

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052374.D
 Acq On : 16 Nov 2018 19:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:27 PM

Quant Time: Nov 17 00:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193634	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	151345	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	570034	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	195250	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152976	52.037	ug/l	96
3) Chloromethane	2.06	50	196906	48.198	ug/l	99
4) Vinyl Chloride	2.19	62	178462	50.535	ug/l	98
5) Bromomethane	2.57	94	85230	38.714	ug/l	100
6) Chloroethane	2.71	64	96645	48.403	ug/l	100
7) Trichlorofluoromethane	3.03	101	250374	51.236	ug/l	98
8) Diethyl Ether	3.41	74	89650	48.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	149575	48.468	ug/l	99
10) Methyl Iodide	3.96	142	168849	40.750	ug/l	97
11) Tert butyl alcohol	4.78	59	37682	182.104	ug/l	96
12) 1,1-Dichloroethene	3.74	96	135982	47.616	ug/l	95
13) Acrolein	3.61	56	58860	193.937	ug/l	98
14) Allyl chloride	4.33	41	275100	46.914	ug/l	91
15) Acrylonitrile	4.99	53	276300	233.841	ug/l	98
16) Acetone	3.82	43	217547	201.652	ug/l	94
17) Carbon Disulfide	4.06	76	393059	47.998	ug/l	99
18) Methyl Acetate	4.33	43	146071	48.333	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	415512	50.630	ug/l	99
20) Methylene Chloride	4.56	84	164281	50.055	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148741	48.376	ug/l	99
22) Diisopropyl ether	5.95	45	623333	52.098	ug/l	99
23) Vinyl Acetate	5.90	43	2114875	260.571	ug/l	99
24) 1,1-Dichloroethane	5.85	63	315212	49.132	ug/l	100
25) 2-Butanone	6.84	43	338260	222.757	ug/l	99
26) 2,2-Dichloropropane	6.83	77	232935	49.377	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	170783	47.713	ug/l	94
28) Bromochloromethane	7.20	49	162478	49.254	ug/l	99
29) Tetrahydrofuran	7.21	42	229330	229.892	ug/l	98
30) Chloroform	7.37	83	311572	50.959	ug/l	98
31) Cyclohexane	7.66	56	290235	48.697	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	266499	51.167	ug/l	98
36) 1,1-Dichloropropene	7.79	75	238204	51.095	ug/l	99
37) Ethyl Acetate	6.93	43	161384	47.698	ug/l	96
38) Carbon Tetrachloride	7.78	117	233195	54.445	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263883	49.583	ug/l	100
40) Benzene	8.04	78	669241	50.250	ug/l	98
41) Methacrylonitrile	7.17	41	92256	49.162	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	250880	52.826	ug/l	100
43) Isopropyl Acetate	8.17	43	316642	48.499	ug/l #	86
44) Trichloroethene	8.84	130	168626	51.400	ug/l	98
45) 1,2-Dichloropropane	9.12	63	189278	50.078	ug/l	98
46) Dibromomethane	9.21	93	109687	50.130	ug/l	98
47) Bromodichloromethane	9.40	83	237491	52.892	ug/l	98
48) Methyl methacrylate	9.20	41	159876	48.259	ug/l	97
49) 1,4-Dioxane	9.20	88	18892	742.868	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	823706	250.639	ug/l	99
52) Toluene	10.16	92	406490	51.020	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238338	52.631	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	272378	52.763	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	144830	50.145	ug/l	95
56) Ethyl methacrylate	10.43	69	196372	51.699	ug/l	97
57) 1,3-Dichloropropane	10.71	76	261464	51.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	549424	254.067	ug/l	100
59) 2-Hexanone	10.75	43	539760	238.778	ug/l	99
60) Dibromochloromethane	10.90	129	162074	51.866	ug/l	98
61) 1,2-Dibromoethane	11.01	107	142057	49.377	ug/l	98
64) Tetrachloroethene	10.63	164	145671	48.650	ug/l	98
65) Chlorobenzene	11.43	112	444808	49.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	158441	52.191	ug/l	99
67) Ethyl Benzene	11.51	91	798802	51.698	ug/l	99
68) m/p-Xylenes	11.62	106	580019	102.739	ug/l	96
69) o-Xylene	11.95	106	282757	52.249	ug/l	98
70) Styrene	11.96	104	462051	53.322	ug/l	99
71) Bromoform	12.13	173	94590	52.772	ug/l #	98
73) Isopropylbenzene	12.25	105	776006	50.838	ug/l	99
74) N-amyl acetate	12.07	43	285007	52.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	175403	47.536	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	161958m	50.275	ug/l	
77) Bromobenzene	12.53	156	184752	52.019	ug/l	95
78) n-propylbenzene	12.59	91	913356	51.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	523318	50.180	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	625576	51.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47840	48.166	ug/l	98
82) 4-Chlorotoluene	12.77	91	542863	50.808	ug/l	97
83) tert-Butylbenzene	12.99	119	531374	49.584	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	637151	52.287	ug/l	99
85) sec-Butylbenzene	13.17	105	750131	51.385	ug/l	100
86) p-Isopropyltoluene	13.29	119	638104	51.601	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315522	50.022	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	316728	50.506	ug/l	99
89) n-Butylbenzene	13.61	91	582793	54.873	ug/l	99
90) Hexachloroethane	13.87	117	112527	51.376	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	307235	50.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28567	52.502	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148187	52.020	ug/l	98
94) Hexachlorobutadiene	15.01	225	66483	47.531	ug/l	98
95) Naphthalene	15.13	128	340296	50.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133318	57.413	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

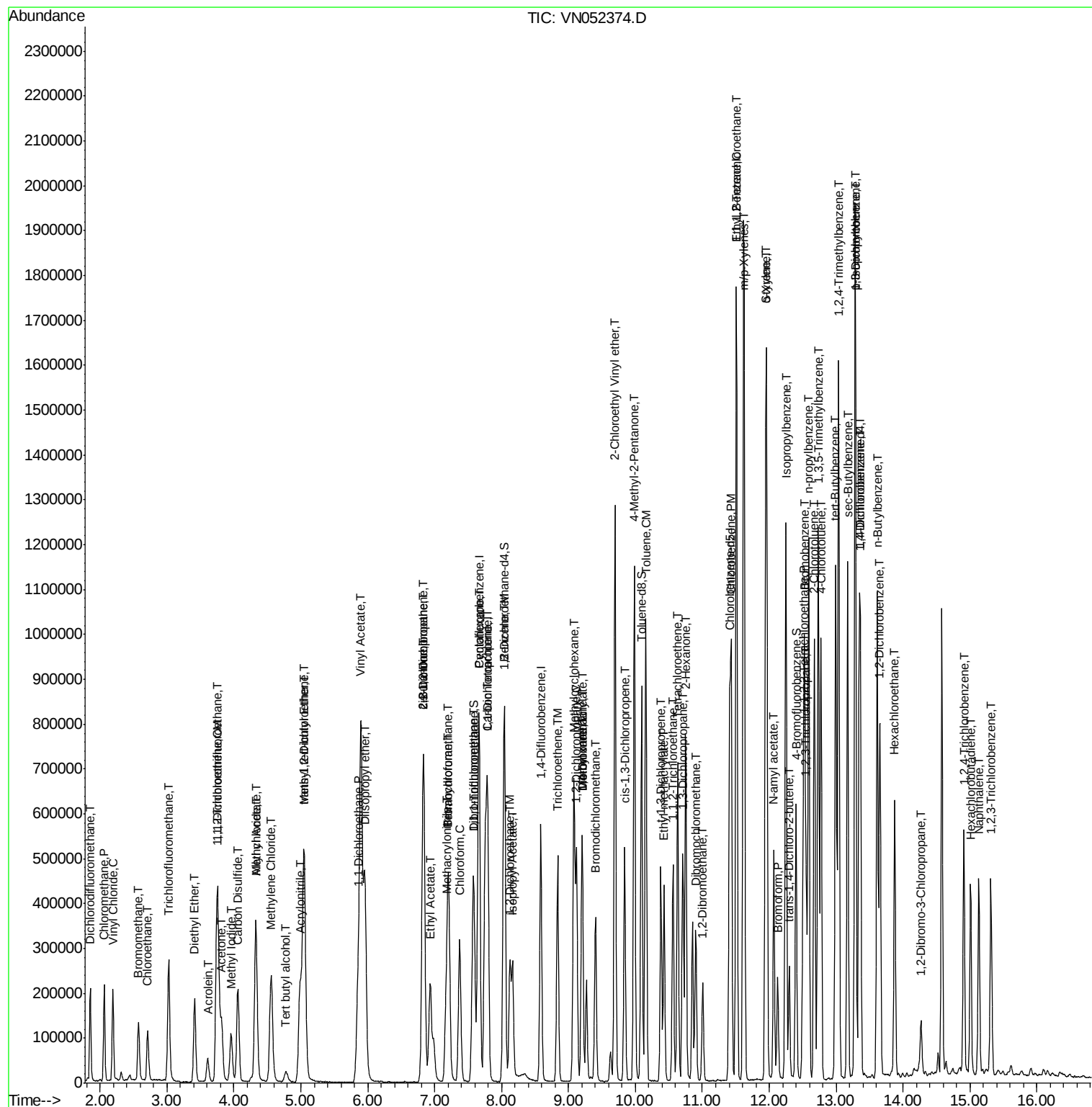
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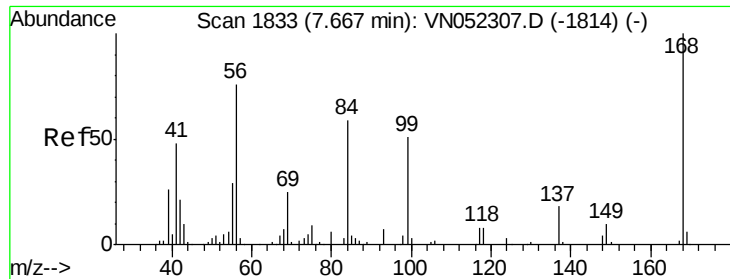
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 277422

Ion Ratio Lower Upper

168 100

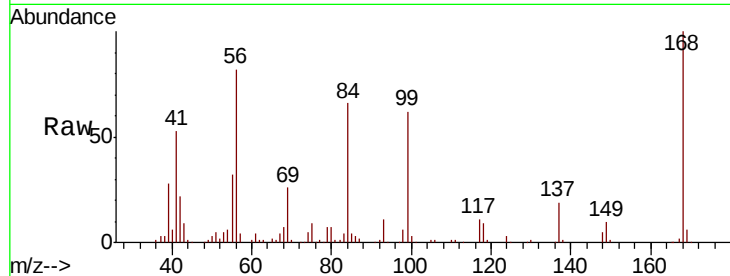
99 61.5 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

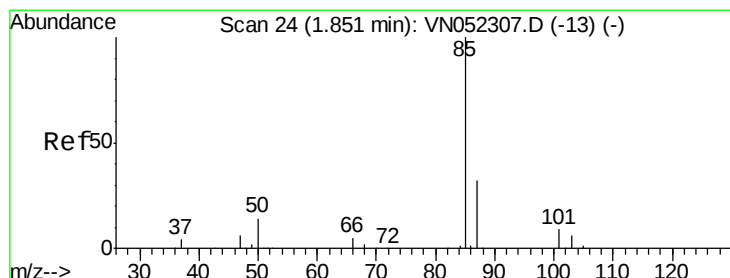
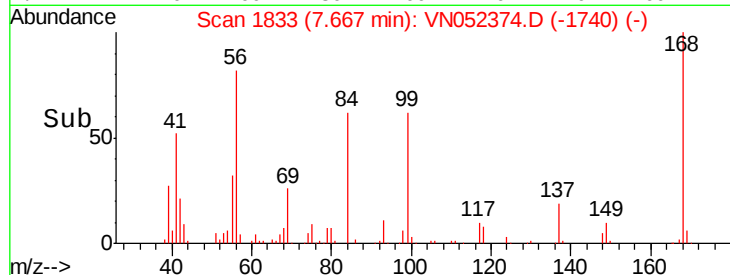
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 52.037 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052374.D

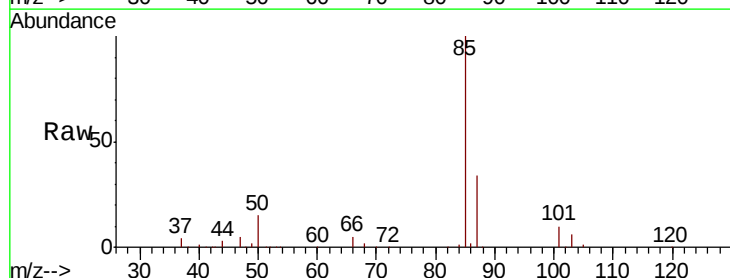
Acq: 16 Nov 2018 19:26

Tgt Ion: 85 Resp: 152976

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

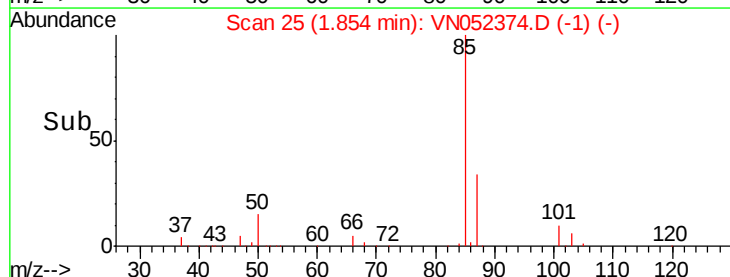
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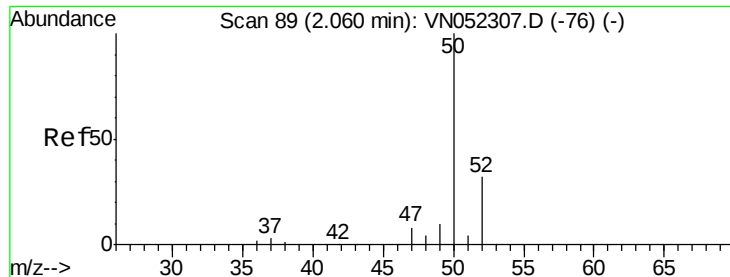
40000

20000

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Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.198 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 196906

Ion Ratio Lower Upper

50 100

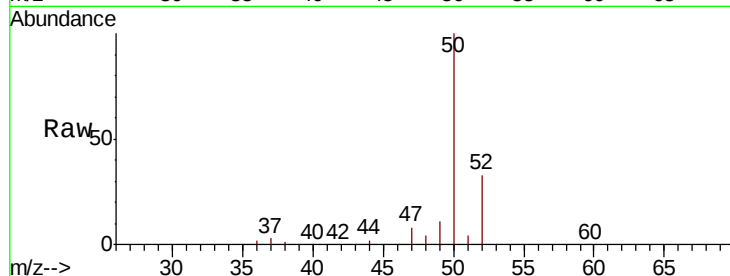
52 32.6 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

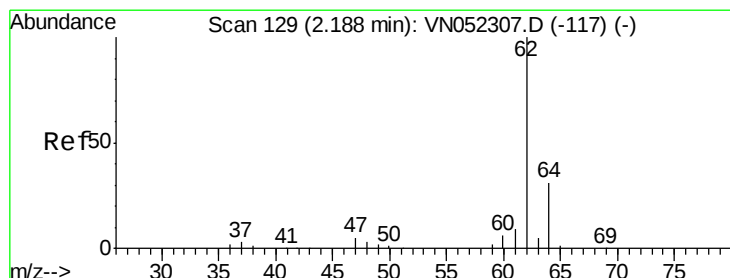
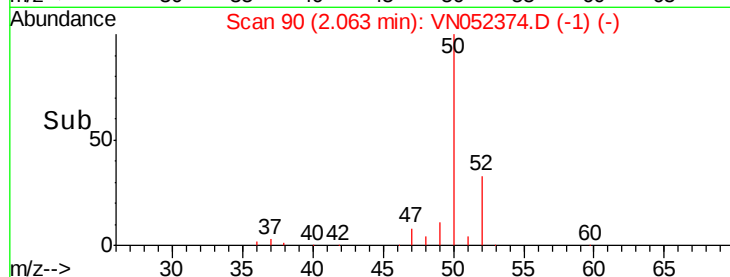
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.535 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052374.D

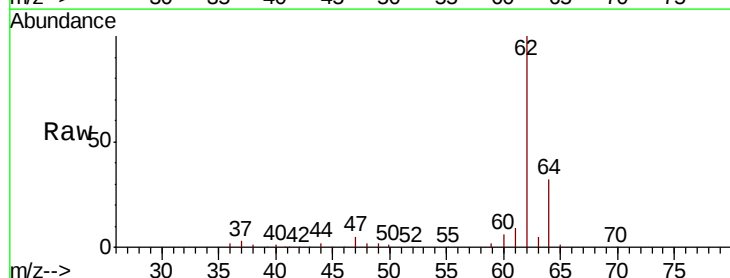
Acq: 16 Nov 2018 19:26

Tgt Ion: 62 Resp: 178462

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

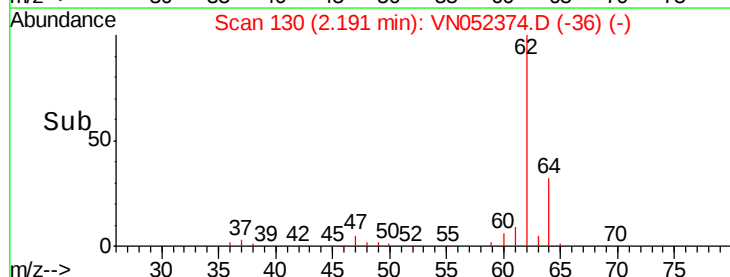
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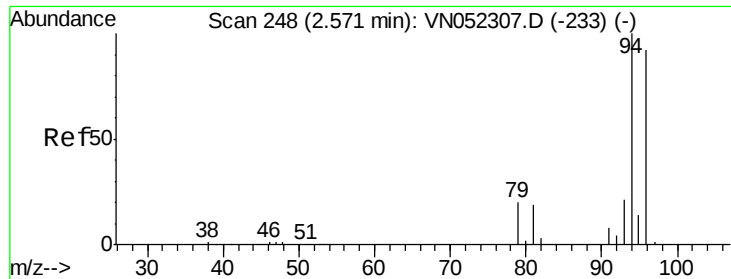
100000

50000

0

Time-->





#5

Bromomethane

Concen: 38.714 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tot Ion: 94 Resp: 85230

Ion Ratio Lower Upper

94 100

96 91.6 73.6 110.4

Instrument :

MSVOA_N

ClientSampleId :

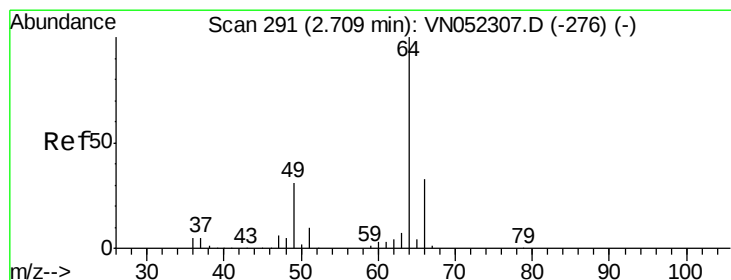
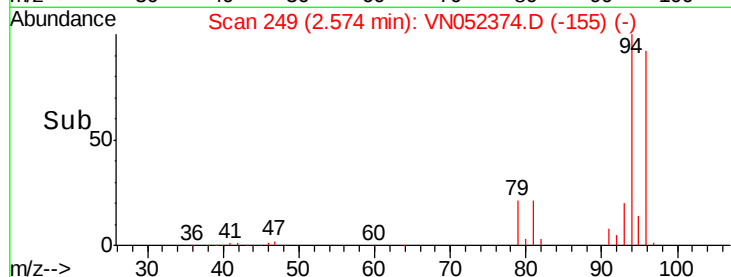
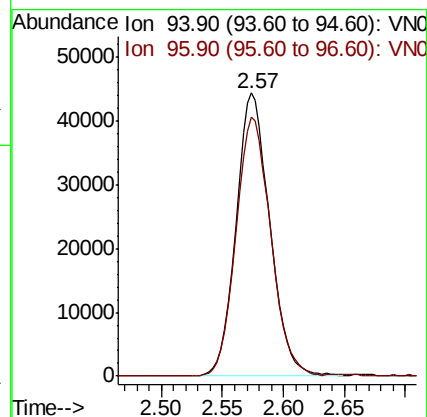
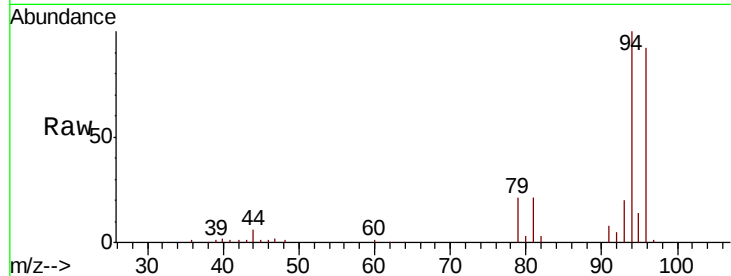
VSTDCCC050EC

Manual Integrations

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#6

Chloroethane

Concen: 48.403 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052374.D

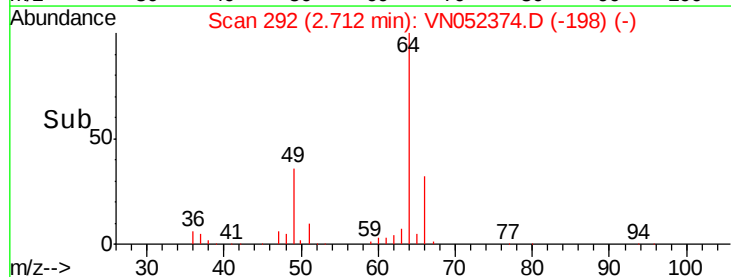
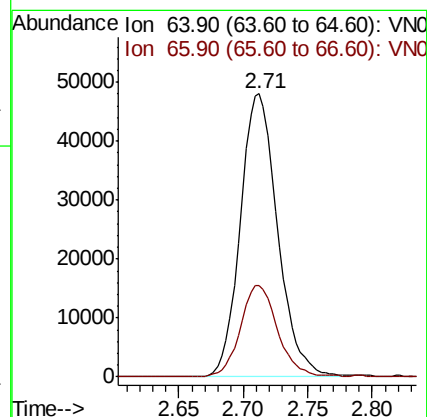
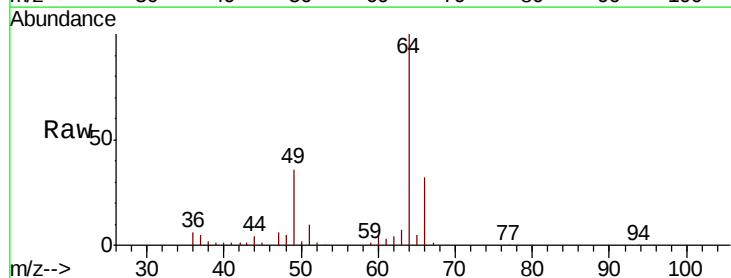
Acq: 16 Nov 2018 19:26

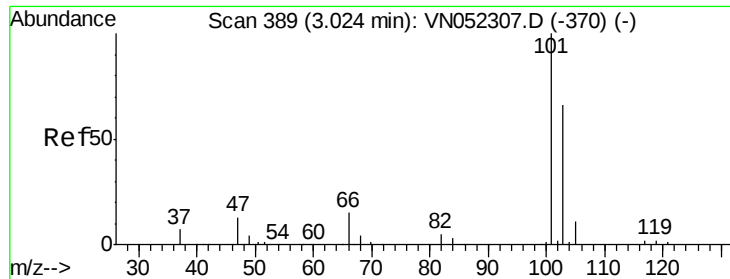
Tgt Ion: 64 Resp: 96645

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2





#7

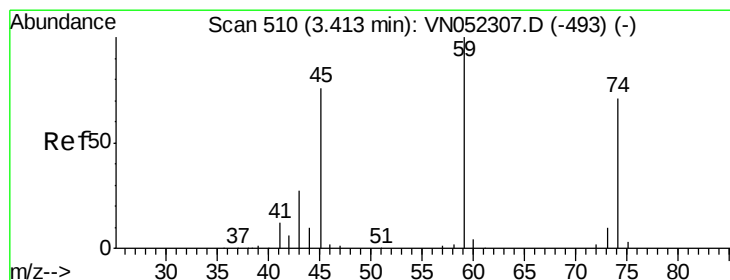
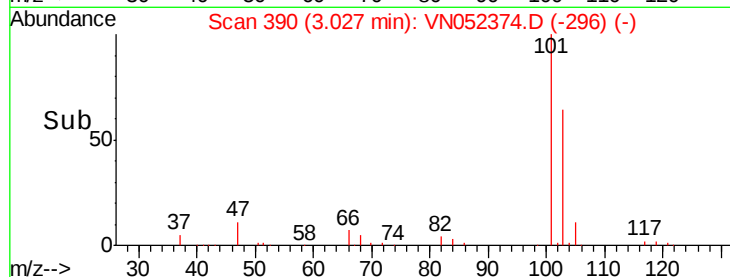
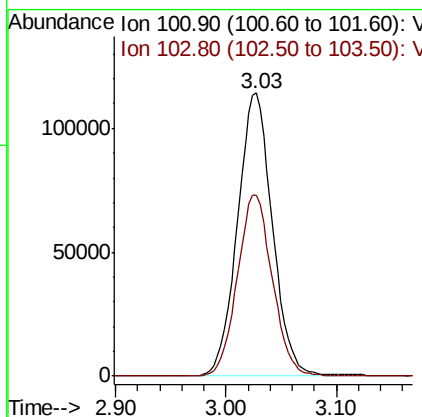
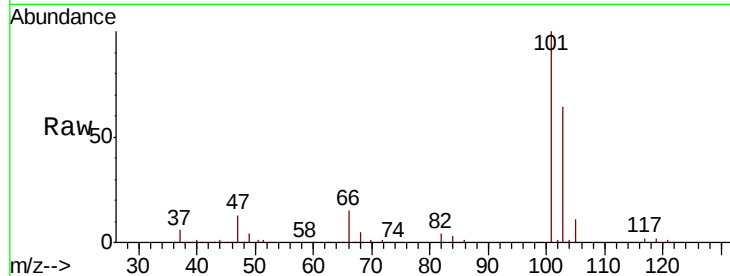
Trichlorofluoromethane
 Concen: 51.236 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

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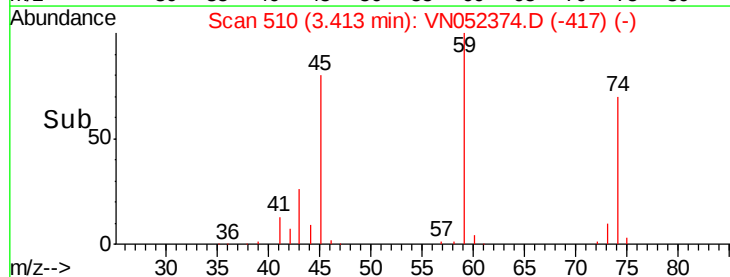
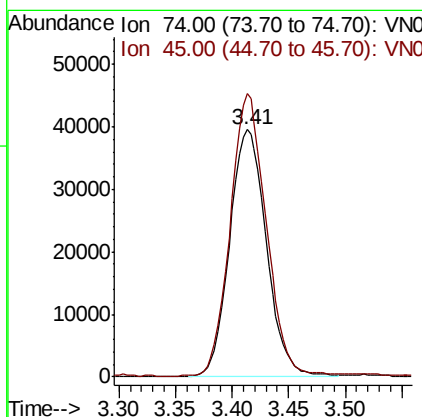
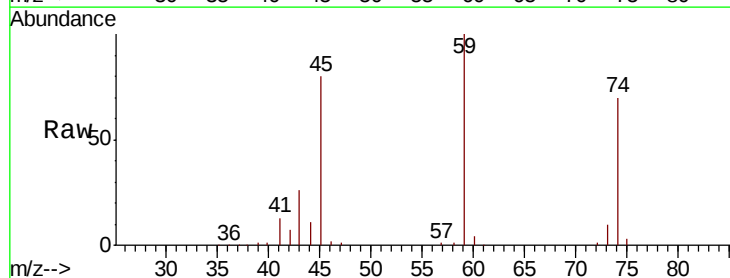
MMDadoda
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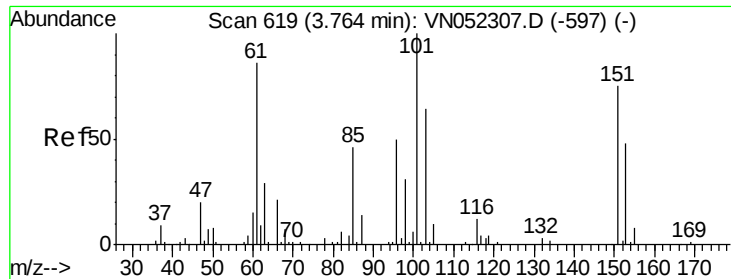


#8

Diethyl Ether
 Concen: 48.135 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	54.3	162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.468 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

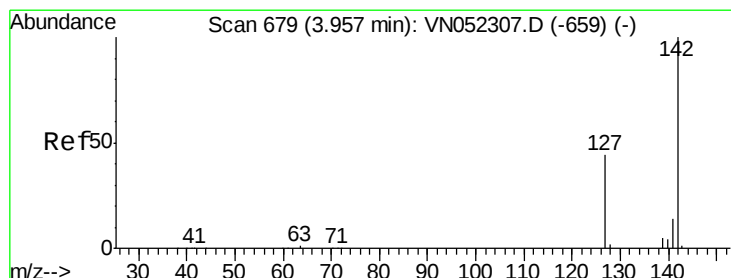
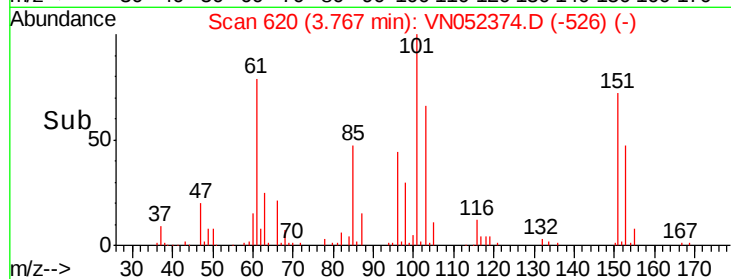
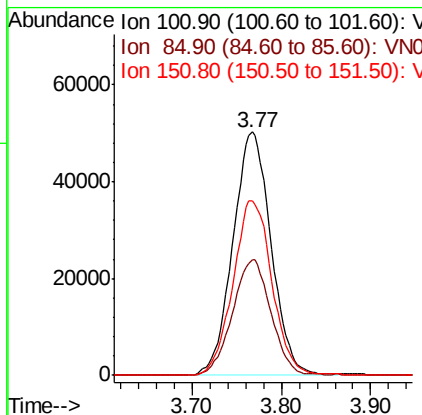
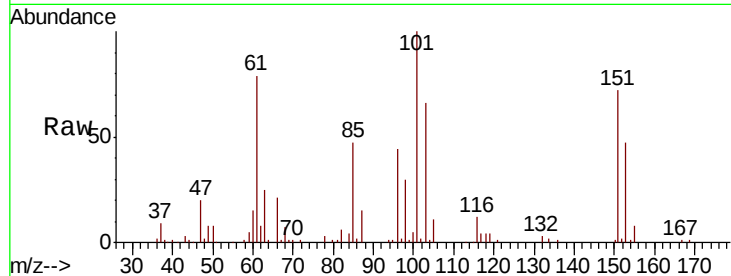
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149575
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.4	56.0
151	73.0	58.6	88.0

Manual Integrations
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#10

Methyl Iodide

Concen: 40.750 ug/l

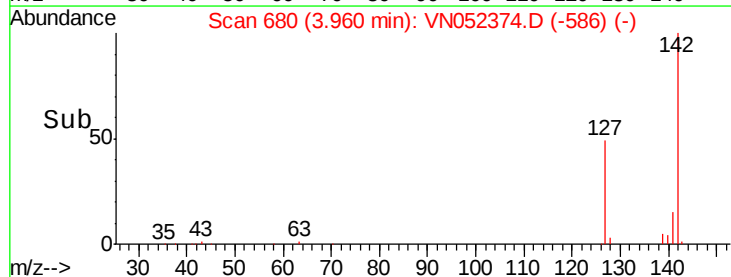
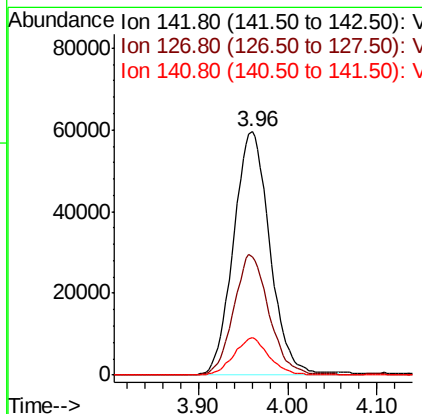
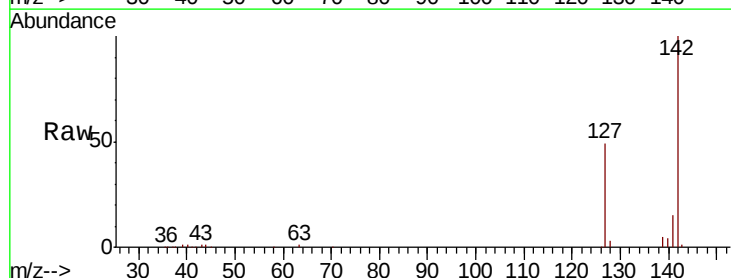
RT: 3.96 min Scan# 680

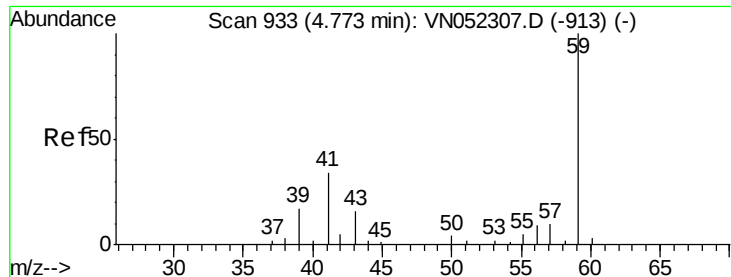
Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion:	142	Resp:	168849
Ion Ratio	Lower	Upper	
142	100		
127	47.9	36.3	54.5
141	14.7	11.4	17.2





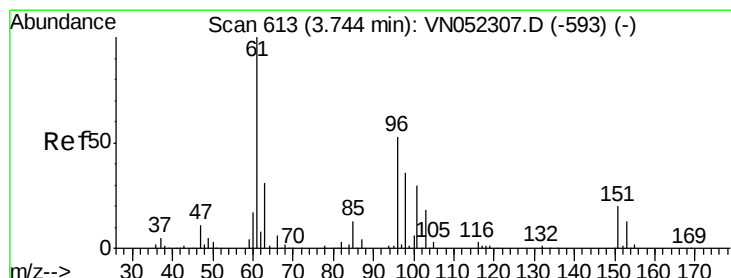
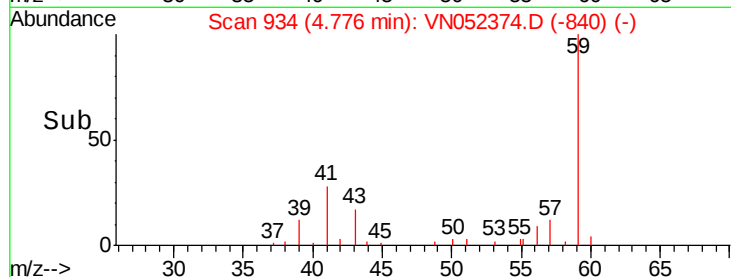
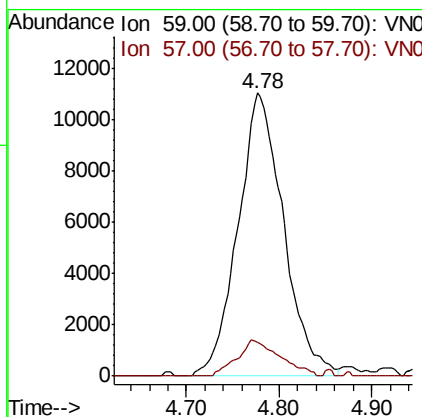
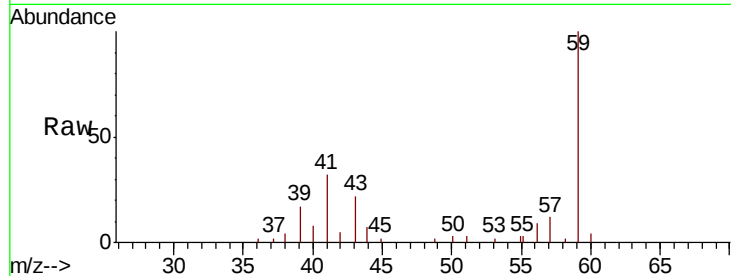
#11
Tert butyl alcohol
Concen: 182.104 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.5	12.7

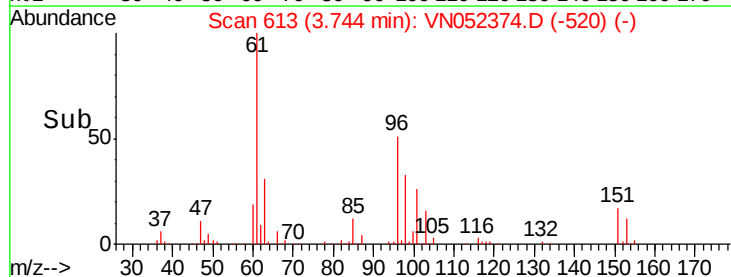
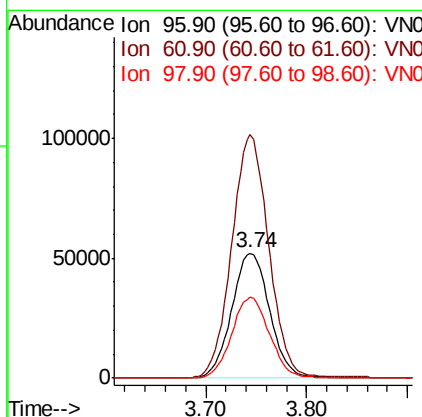
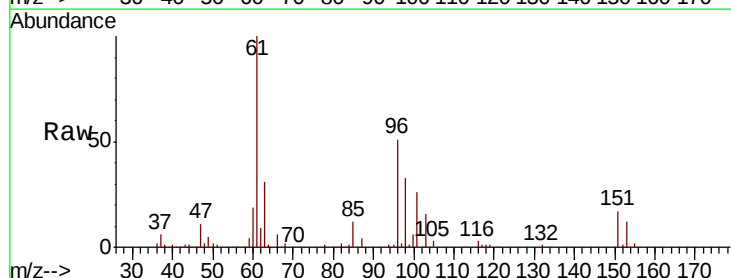
Manual Integrations
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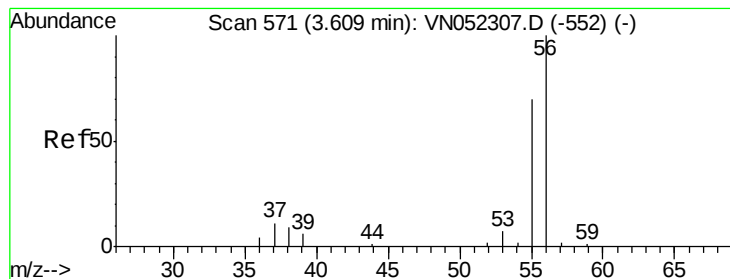
MMDadoda
11/19/2018 12:46:27 PM



#12
1,1-Dichloroethene
Concen: 47.616 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.7	149.6	224.4
98	64.8	54.2	81.2





#13

Acrolein

Concen: 193.937 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58860

Ion Ratio Lower Upper

56 100

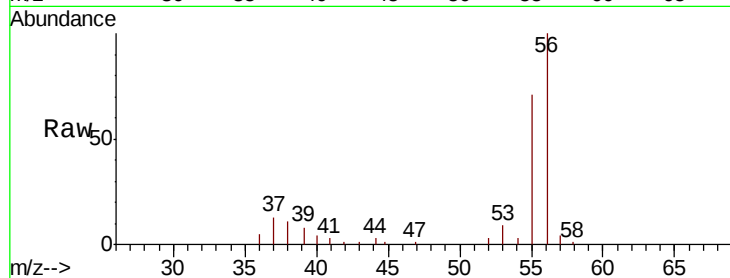
55 70.3 57.6 86.4

Manual Integrations

APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

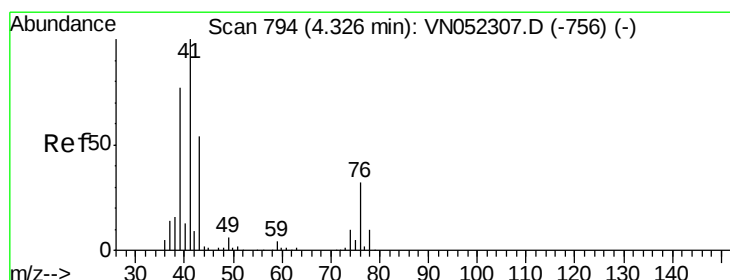
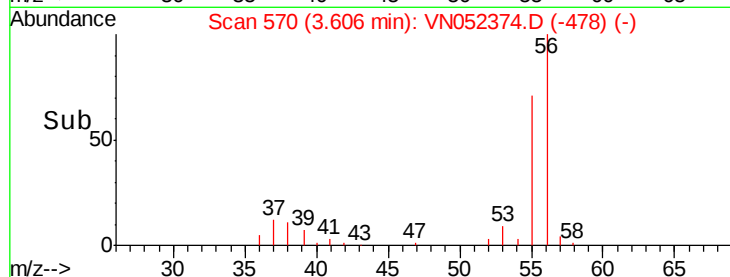
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 46.914 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

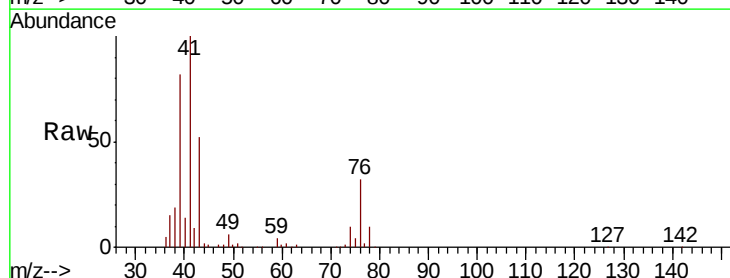
Tgt Ion: 41 Resp: 275100

Ion Ratio Lower Upper

41 100

39 83.9 59.1 88.7

76 31.3 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

120000

100000

80000

60000

40000

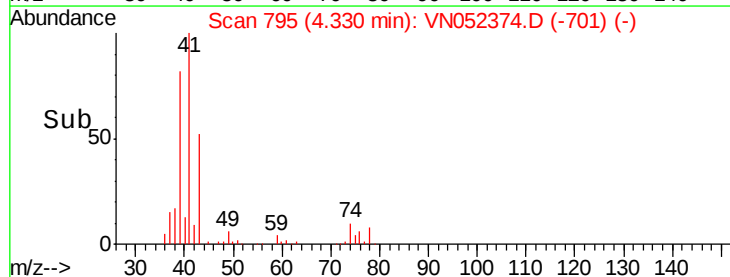
20000

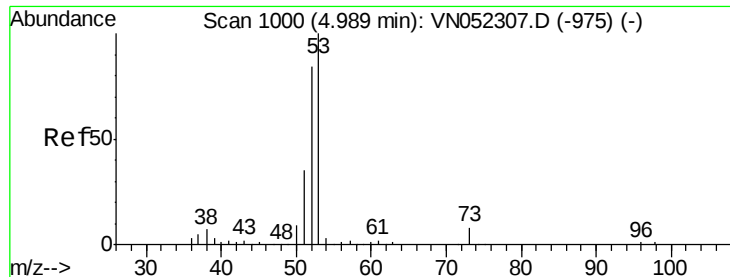
0

4.30

4.40

Time-->





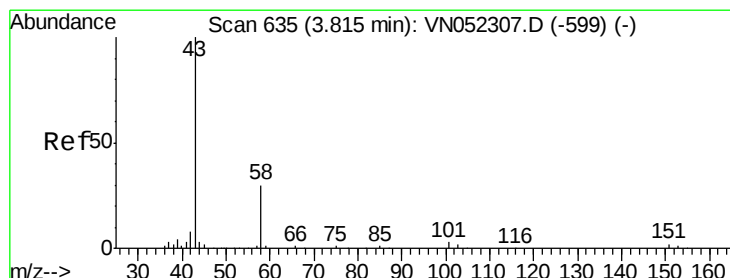
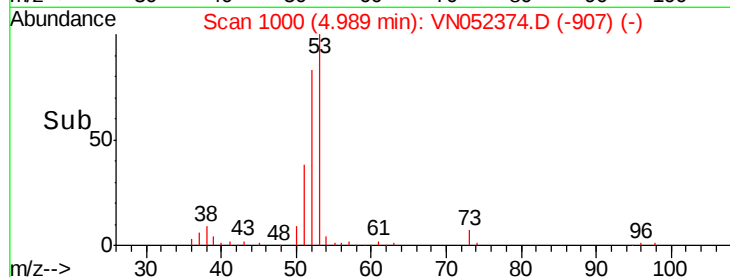
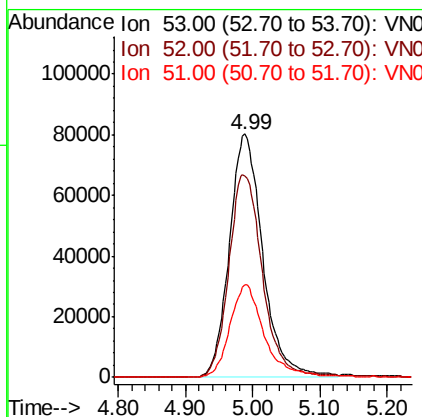
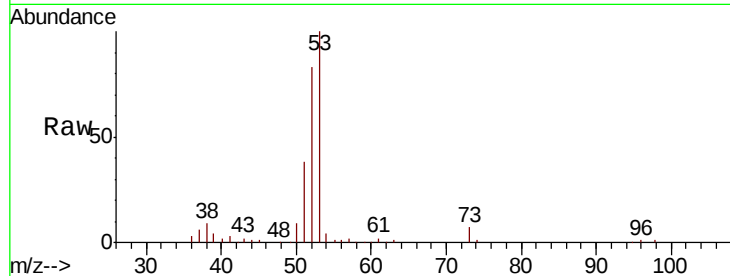
#15
 Acrylonitrile
 Concen: 233.841 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.5	101.3
51	38.9	29.9	44.9

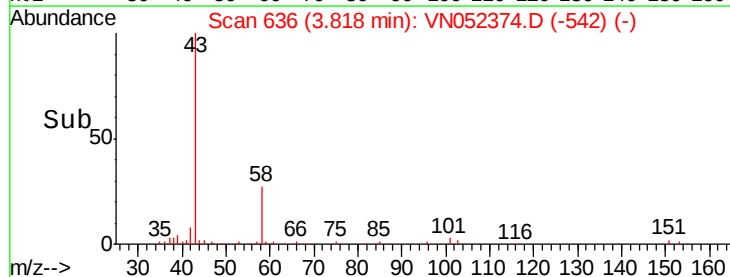
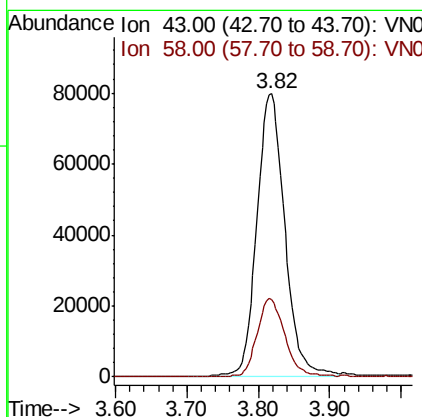
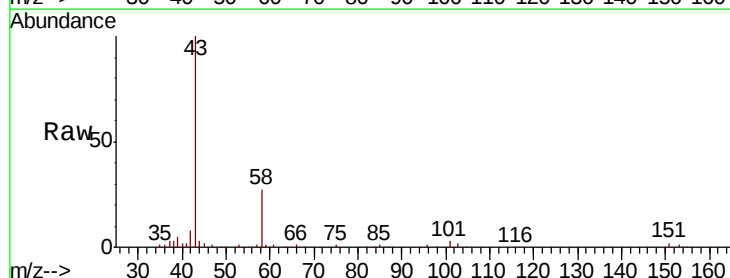
Manual Integrations
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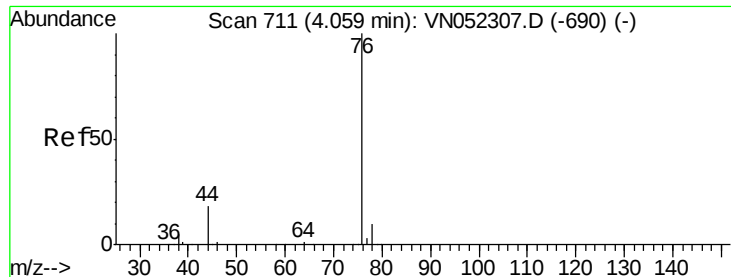
MMDadoda
 11/19/2018 12:46:27 PM



#16
 Acetone
 Concen: 201.652 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.2	24.2	36.4





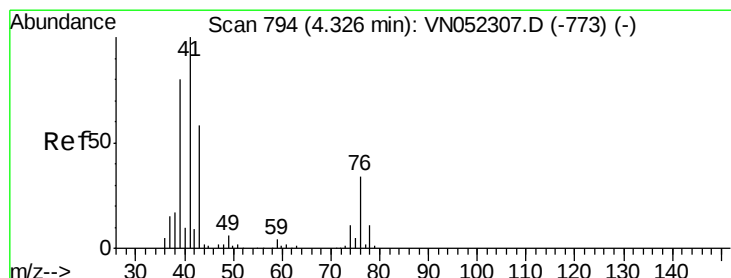
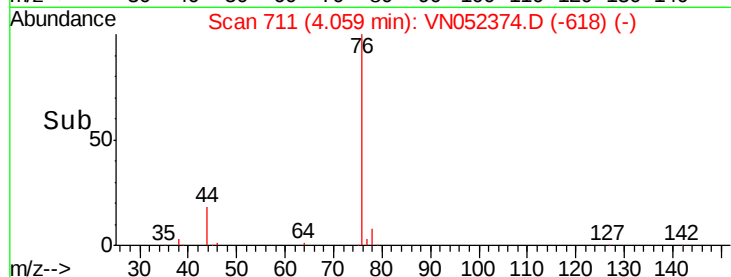
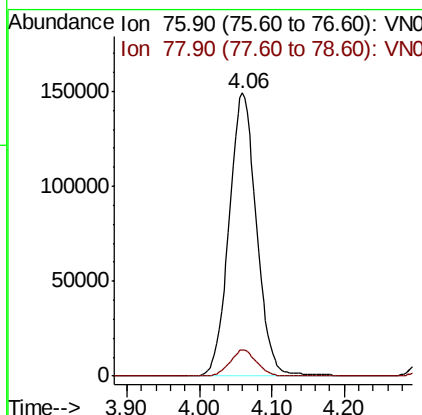
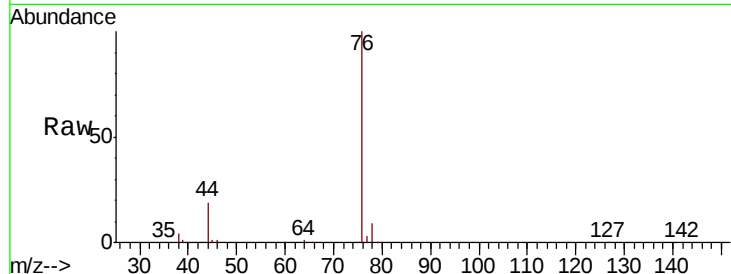
#17
Carbon Disulfide
Concen: 47.998 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

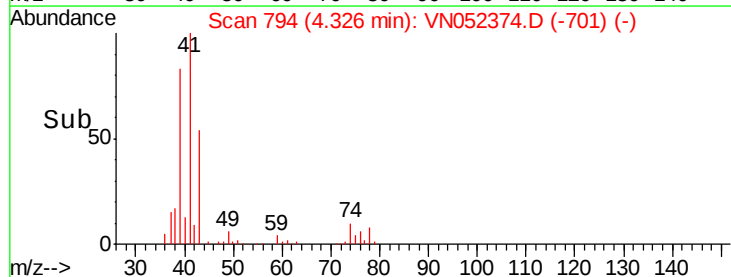
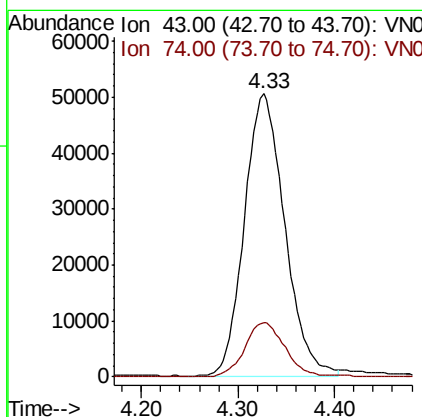
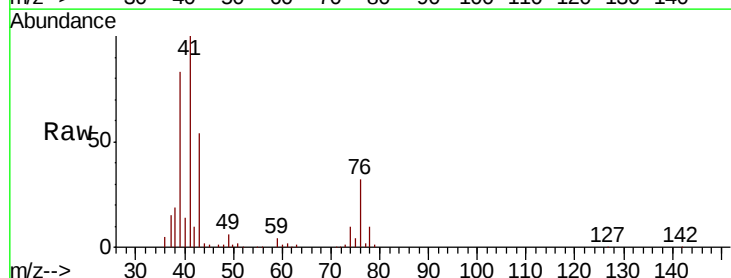
Manual Integrations
APPROVED

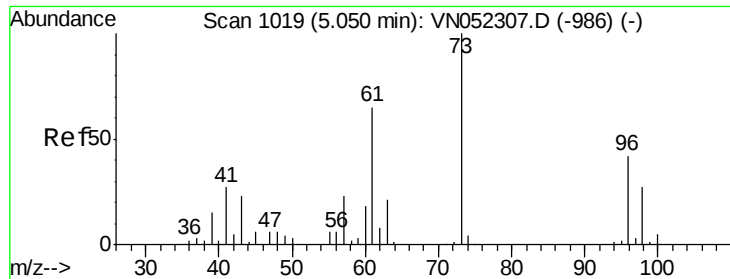
MMDadoda
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#18
Methyl Acetate
Concen: 48.333 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.9	23.9





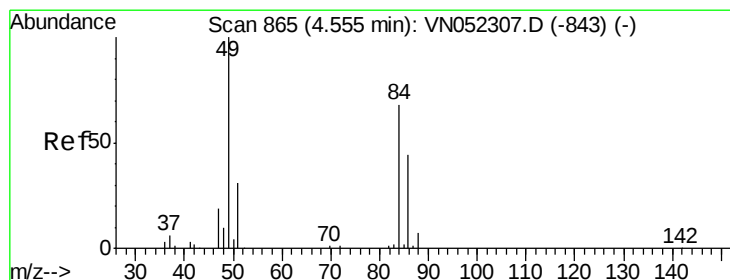
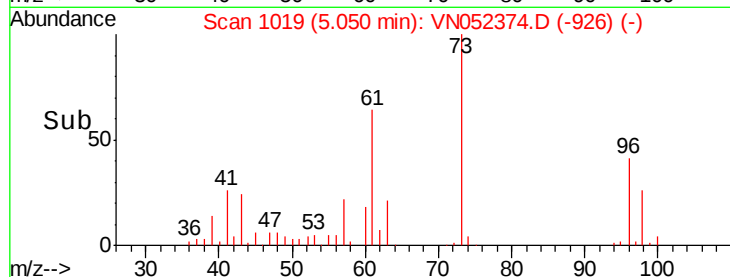
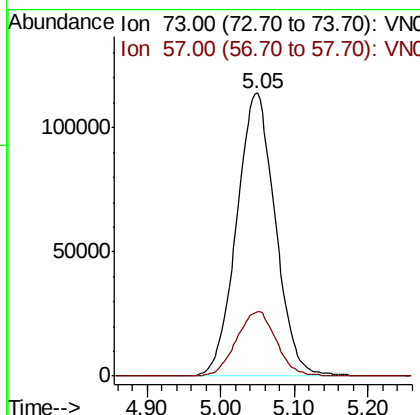
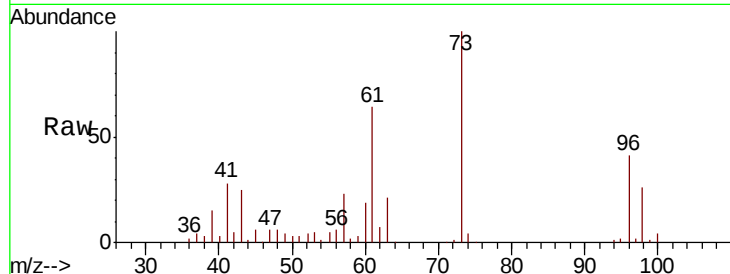
#19
Methvl tert-butvl Ether
Concen: 50.630 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 415512
Ion Ratio Lower Upper
73 100
57 22.7 18.7 28.1

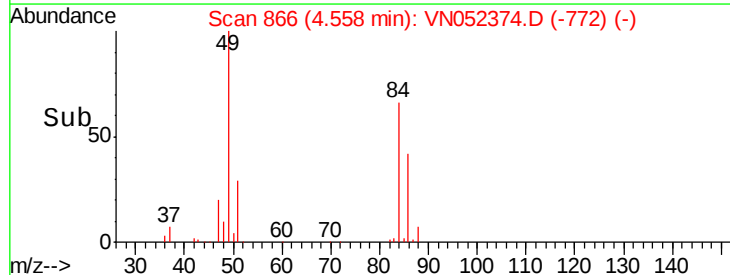
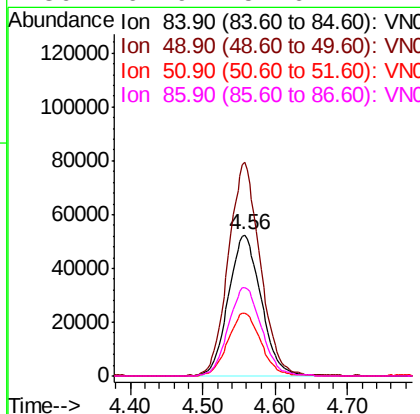
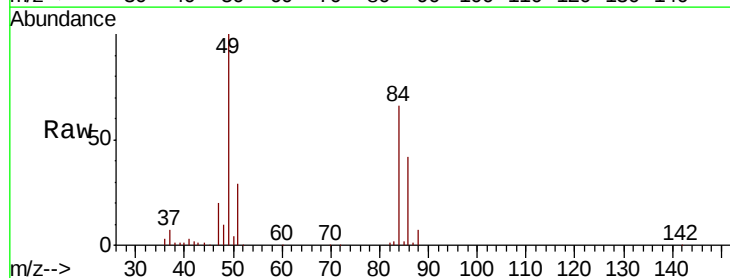
Manual Integrations
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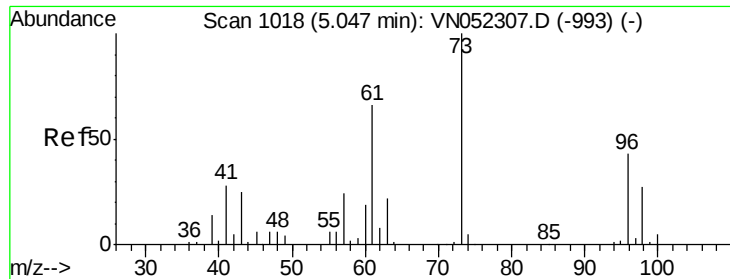
MMDadoda
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#20
Methylene Chloride
Concen: 50.055 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 84 Resp: 164281
Ion Ratio Lower Upper
84 100
49 150.8 118.2 177.2
51 44.3 36.1 54.1
86 62.9 51.6 77.4





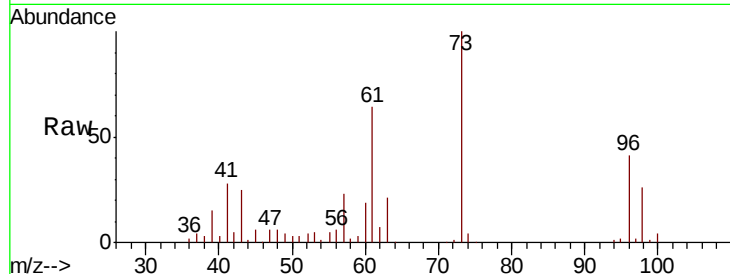
#21
trans-1,2-Dichloroethene
Concen: 48.376 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	123.6	185.4
98	64.3	50.7	76.1

Manual Integrations
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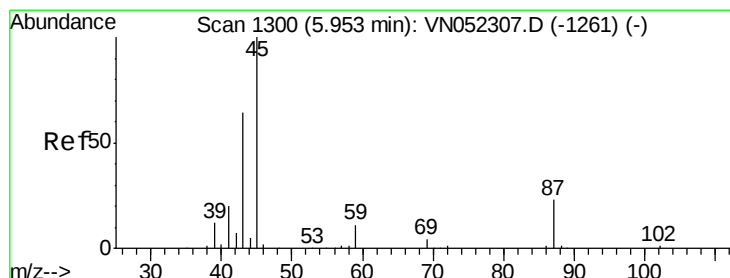
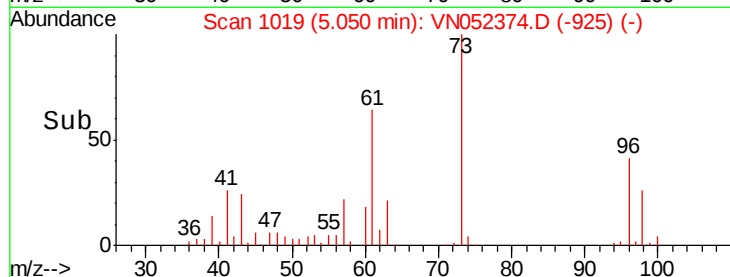
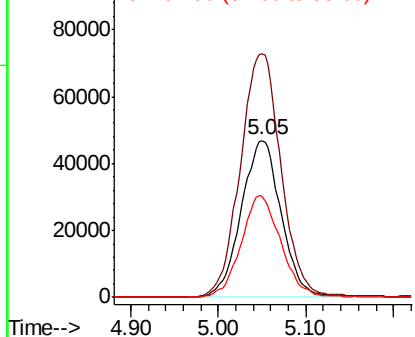


Abundance

Ion 95.90 (95.60 to 96.60): VN052374.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN052374.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN052374.D (-925) (-)



#22
Diisopropyl ether
Concen: 52.098 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	51.4	77.2
87	22.2	18.8	28.2
59	10.2	8.6	12.8

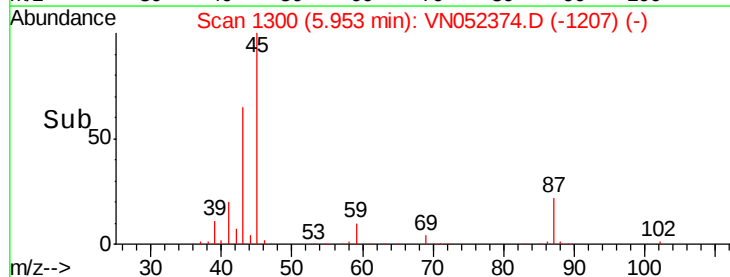
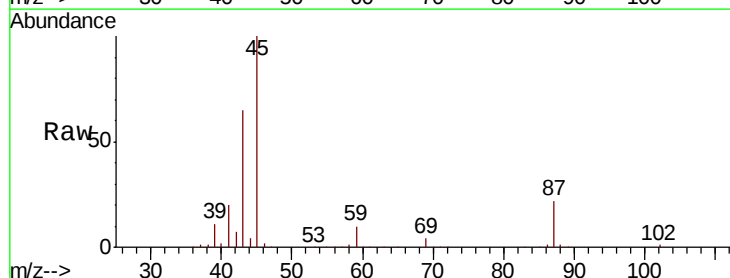
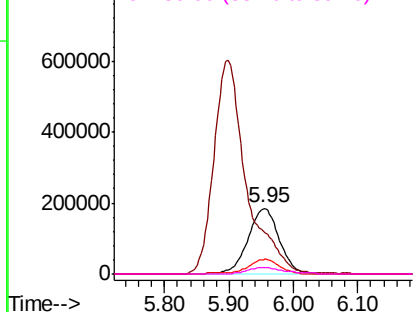
Abundance

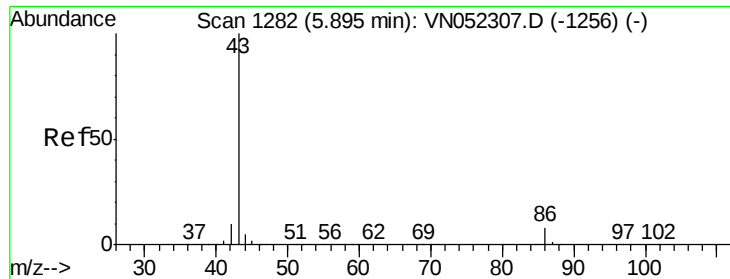
Ion 45.00 (44.70 to 45.70): VN052374.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN052374.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN052374.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN052374.D (-1207) (-)





#23

Vinyl Acetate

Concen: 260.571 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2114875

Ion Ratio Lower Upper

43 100

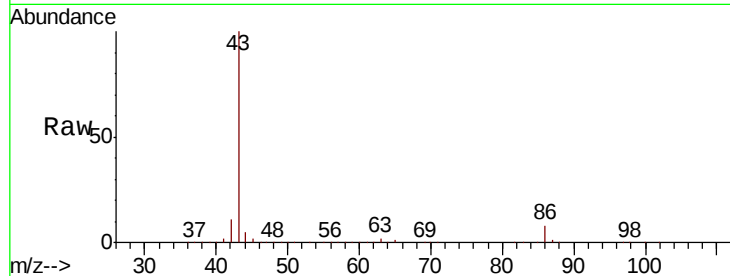
86 7.7 6.5 9.7

Manual Integrations

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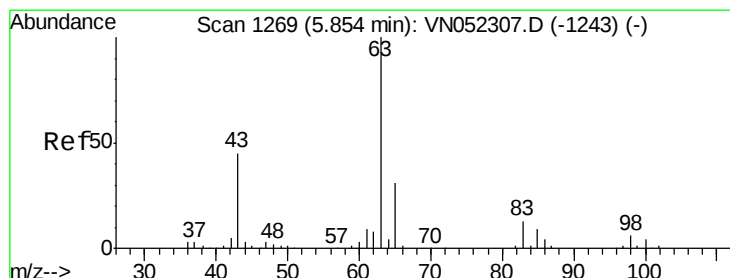
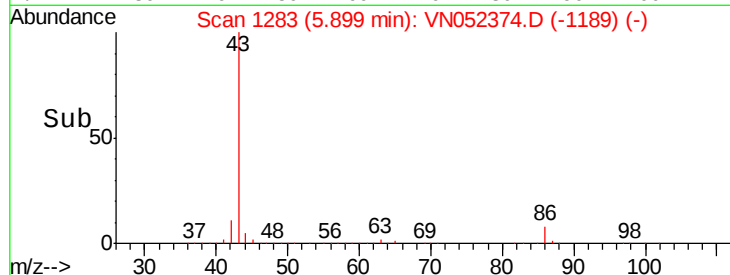
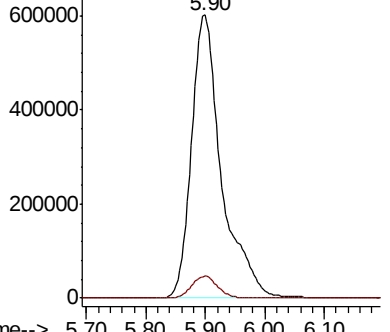
MMDadoda

11/19/2018 12:46:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.132 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

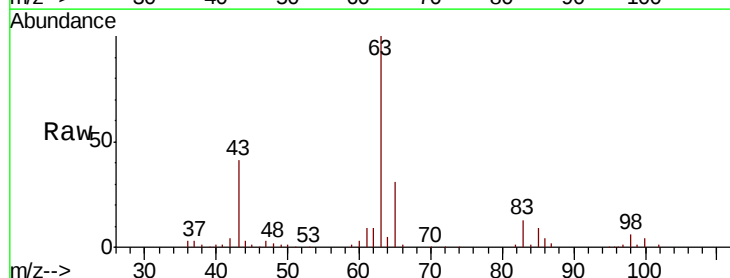
Tgt Ion: 63 Resp: 315212

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

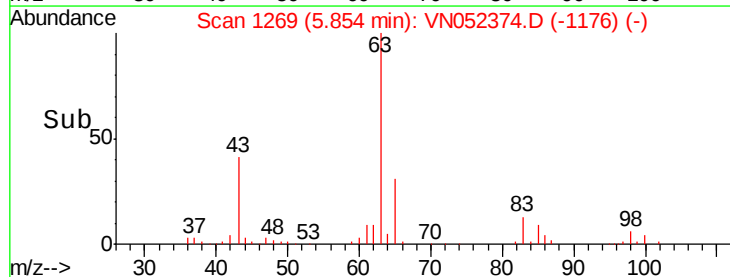
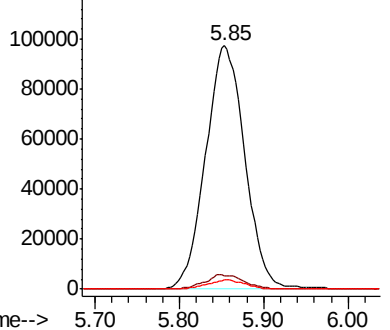
100 3.8 1.9 5.7

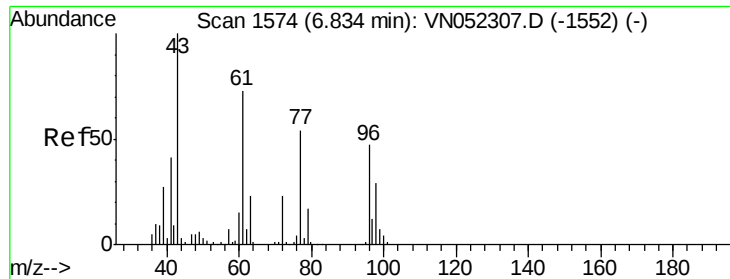


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 222.757 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 338260

Ion Ratio Lower Upper

43 100

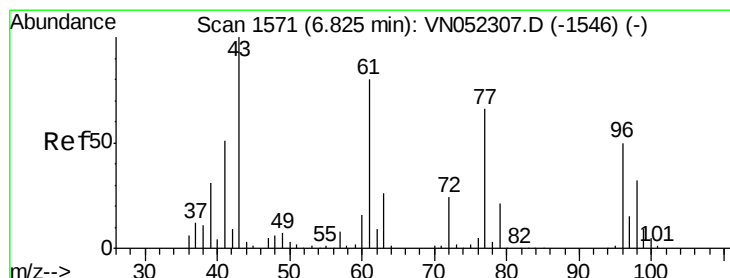
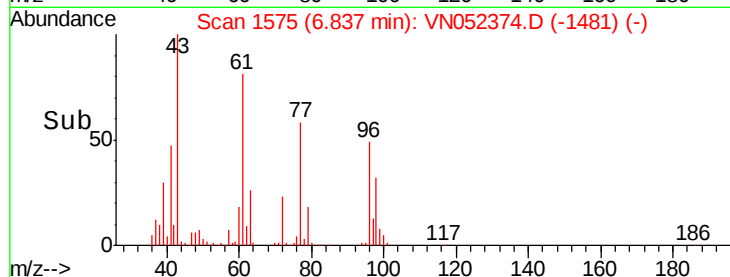
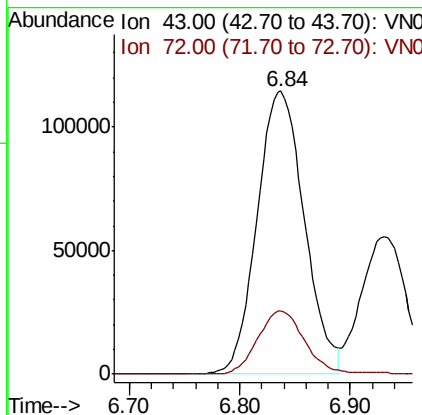
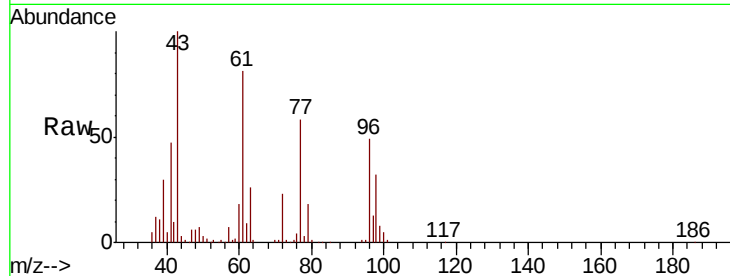
72 22.6 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.377 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052374.D

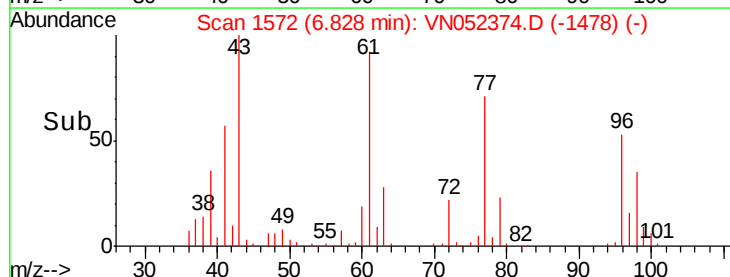
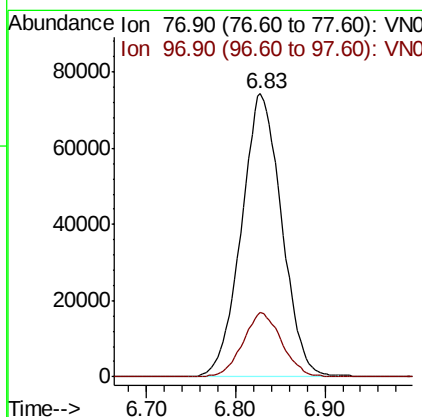
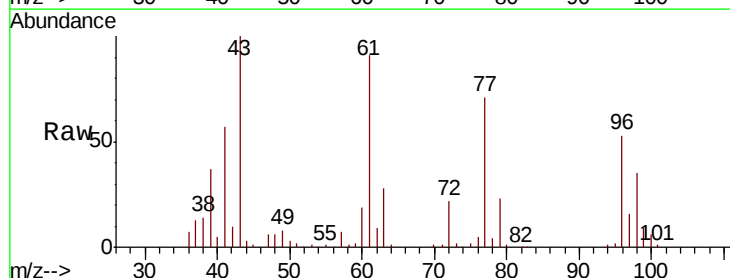
Acq: 16 Nov 2018 19:26

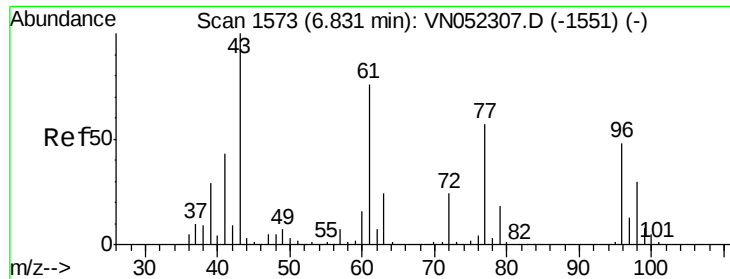
Tgt Ion: 77 Resp: 232935

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1





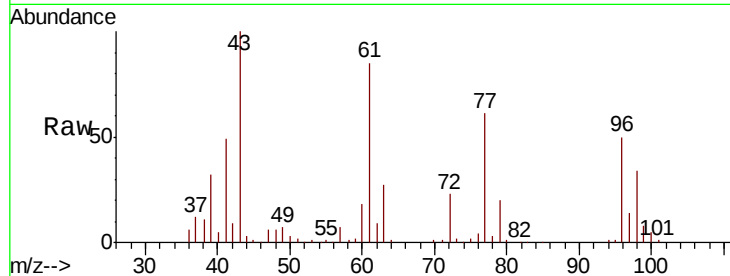
#27
 cis-1,2-Dichloroethene
 Concen: 47.713 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

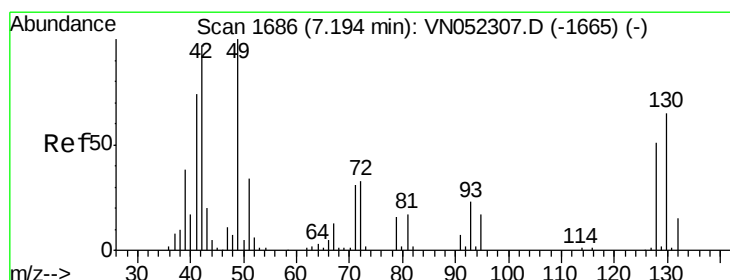
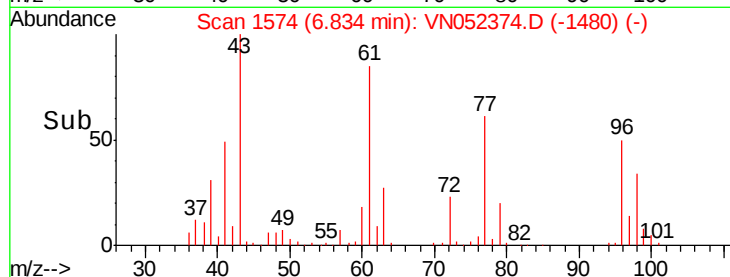
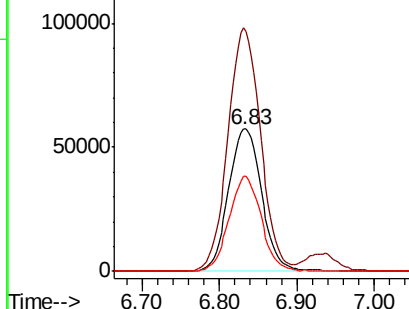
Tot Ion	Ratio	Resp	Lower	Upper
96	100	170783		
61	167.9	0.0	316.8	
98	64.6	0.0	126.6	

Manual Integrations
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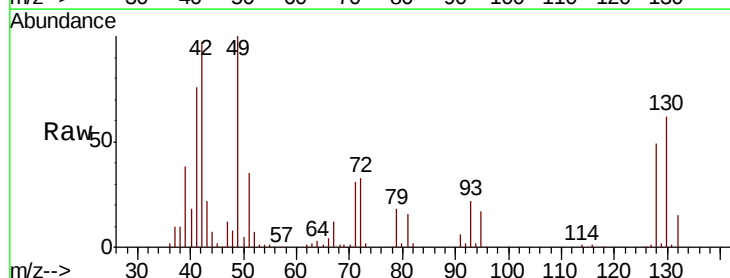


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

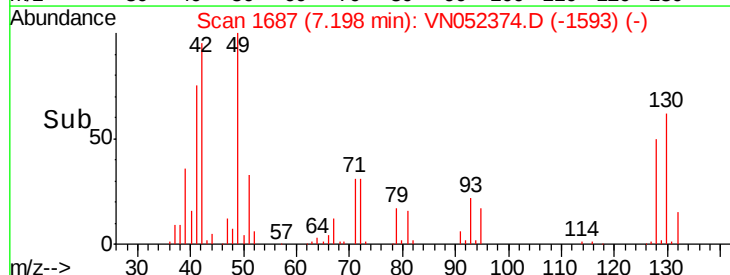
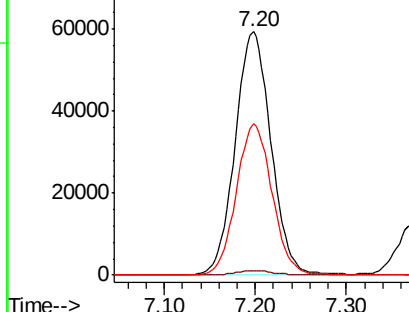


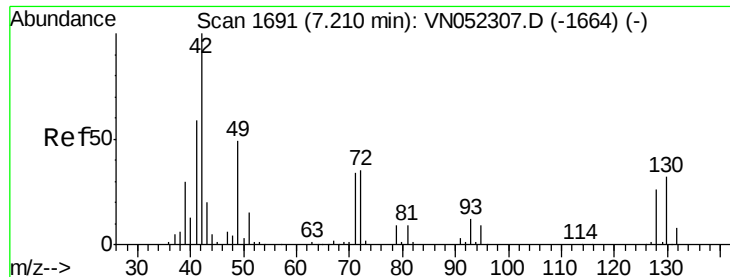
#28
 Bromochloromethane
 Concen: 49.254 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162478		
129	1.0	0.0	3.0	
130	62.0	50.4	75.6	



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





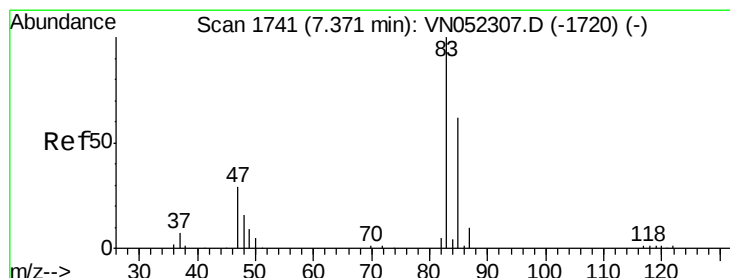
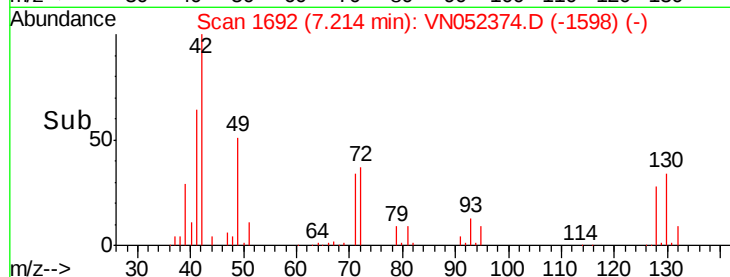
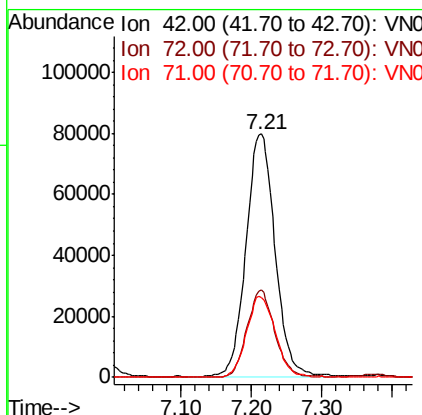
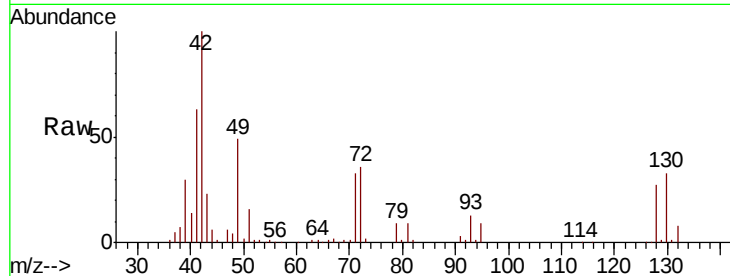
#29
Tetrahydrofuran
Concen: 229.892 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.6	42.8
71	32.9	26.7	40.1

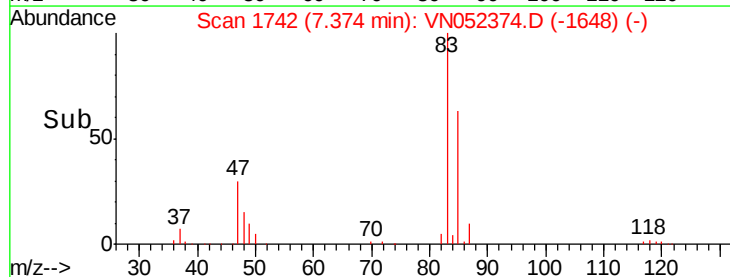
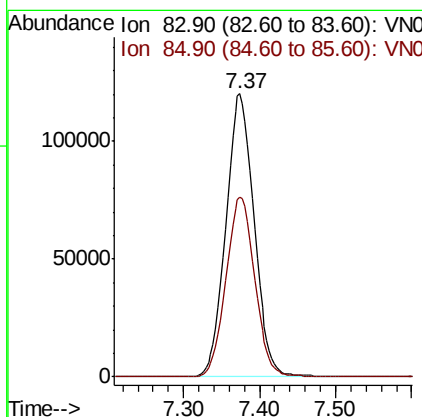
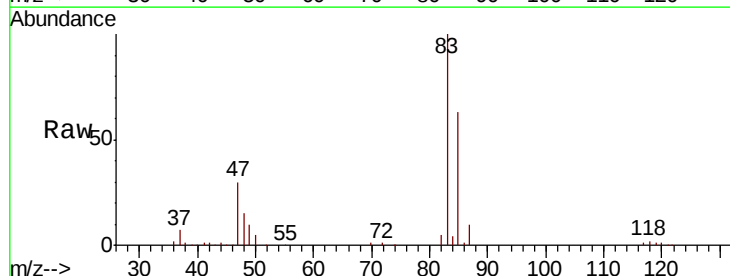
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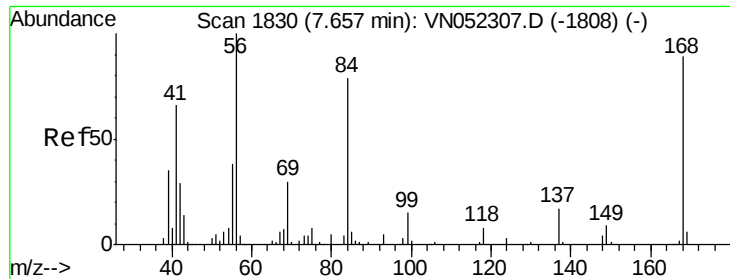
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#30
Chloroform
Concen: 50.959 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.4	74.2





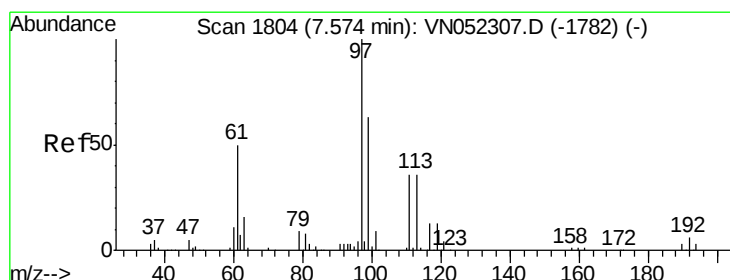
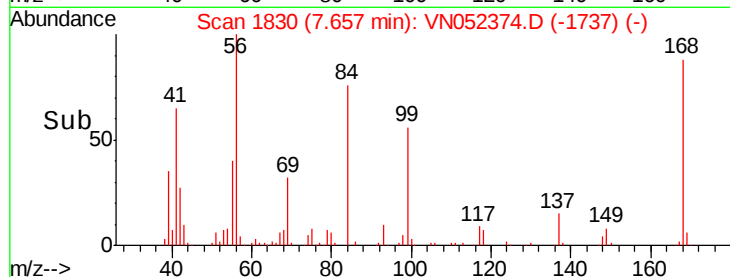
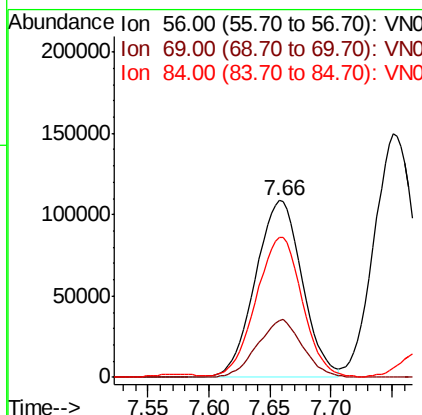
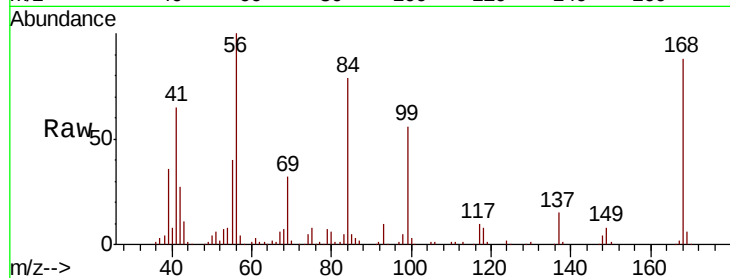
#31
Cyclohexane
Concen: 48.697 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.8	35.8
84	78.0	63.0	94.6

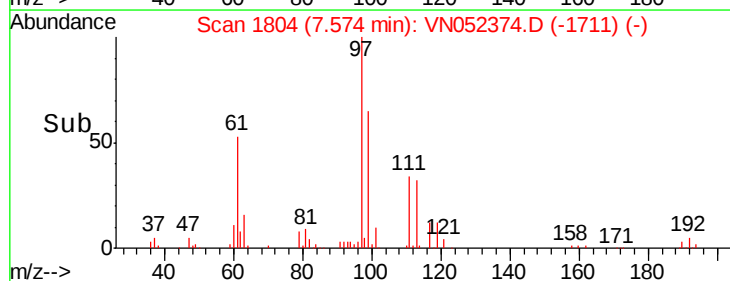
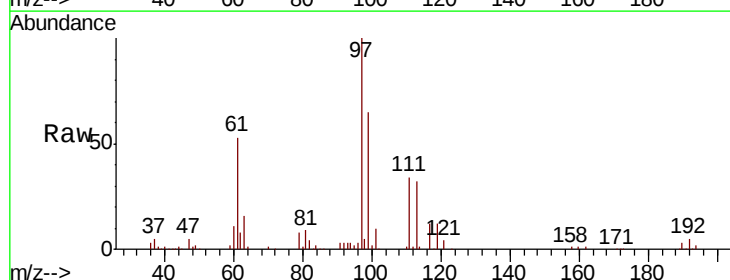
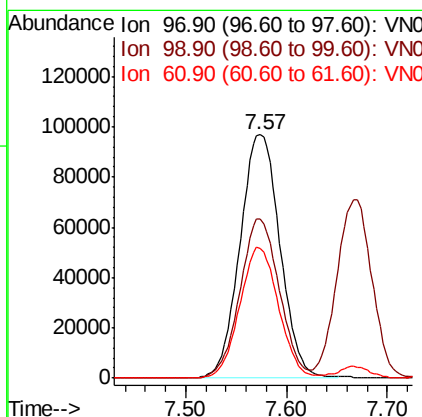
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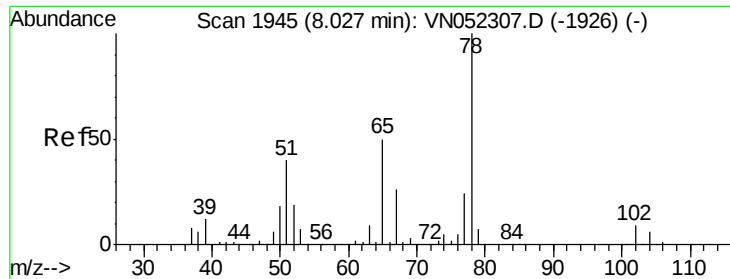
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.167 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.2	75.2
61	52.2	40.2	60.4





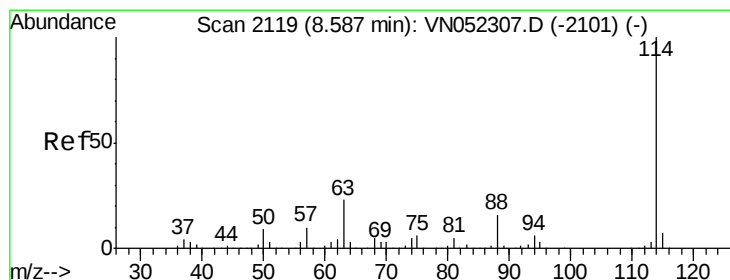
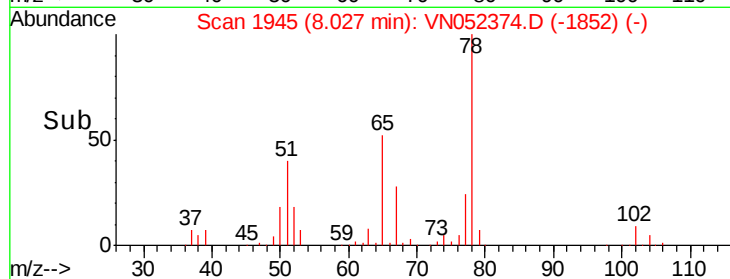
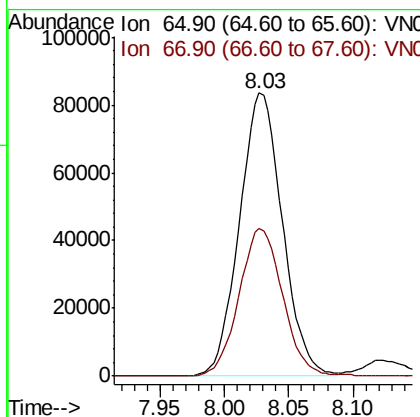
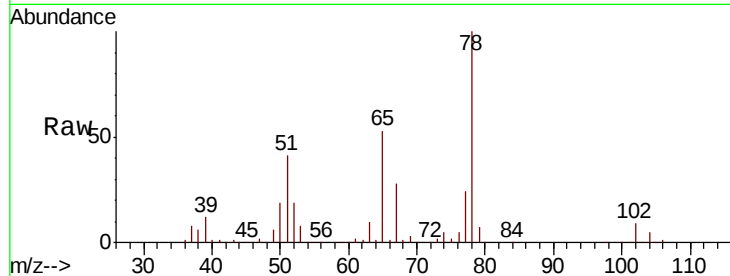
#33
 1,2-Dichloroethane-d4
 Concen: 51.167 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193634		
67	53.2	0.0	105.2	

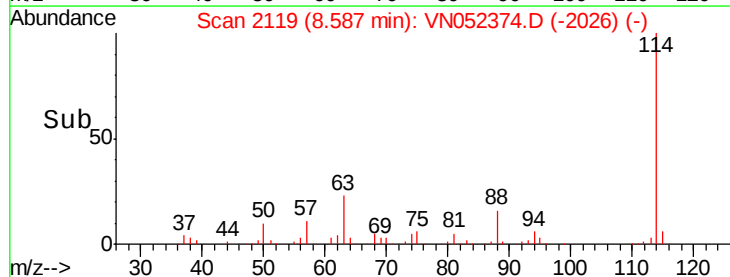
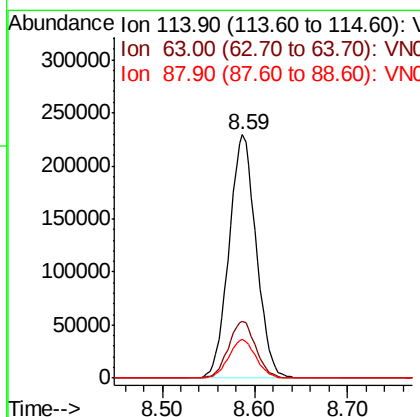
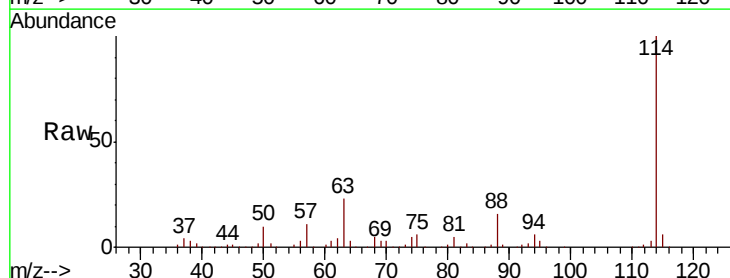
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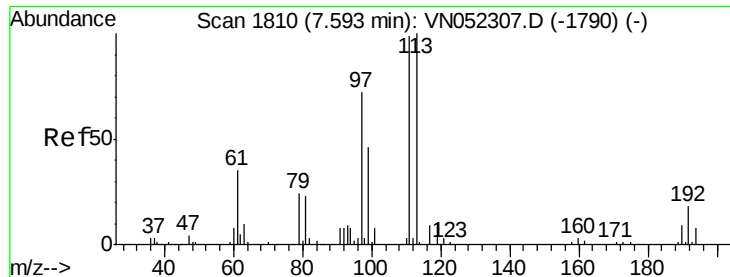
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465130		
63	23.3	0.0	45.4	
88	15.8	0.0	31.2	





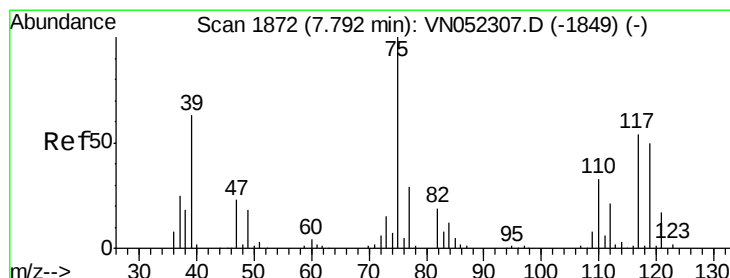
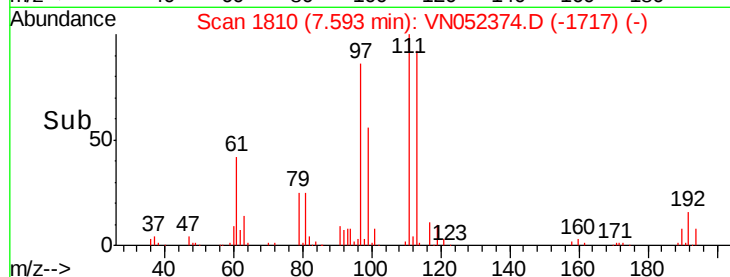
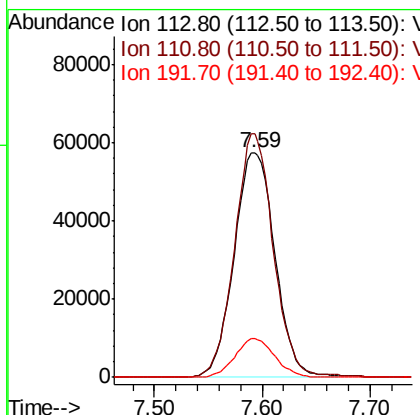
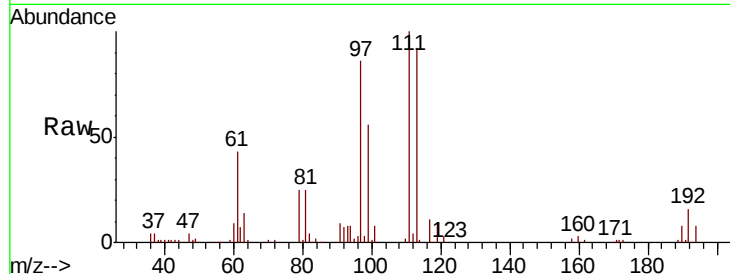
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151345		
111	103.2	81.0	121.6	
192	16.9	13.8	20.6	

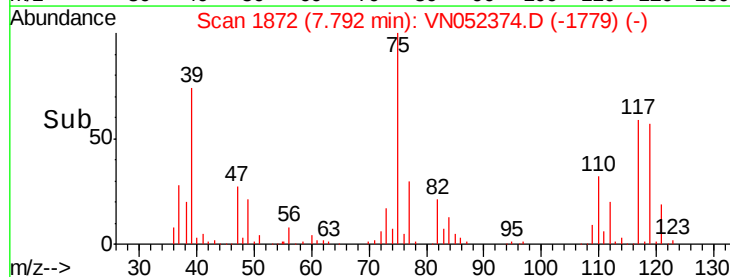
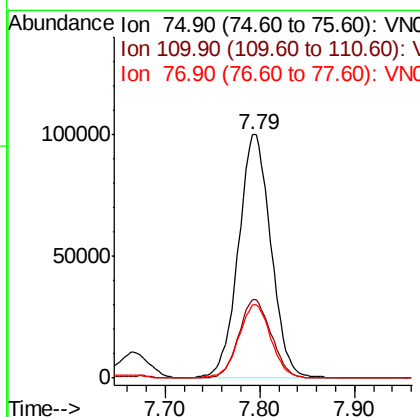
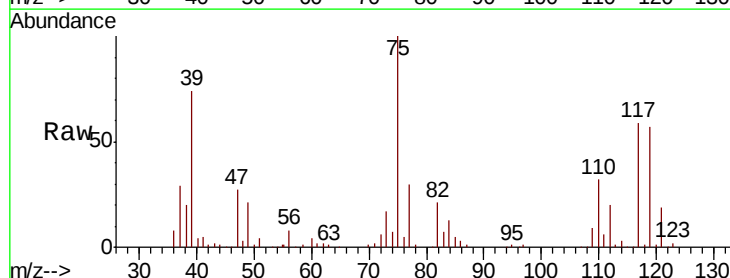
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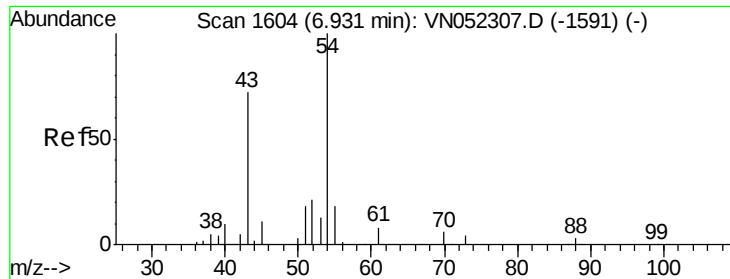
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#36
 1,1-Dichloropropene
 Concen: 51.095 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238204		
110	32.5	16.5	49.5	
77	30.4	24.2	36.2	





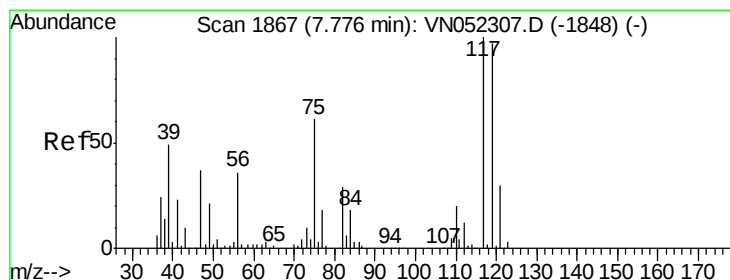
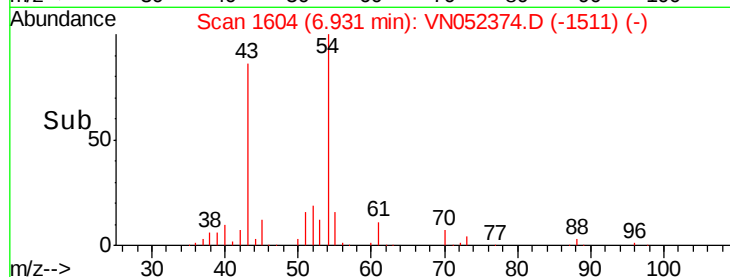
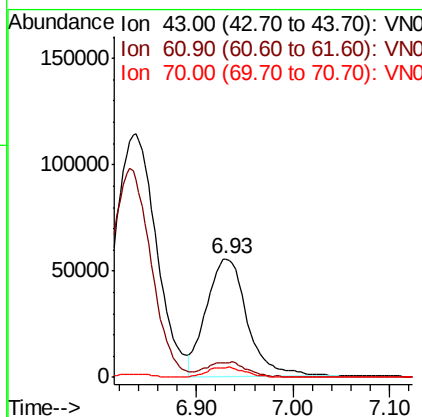
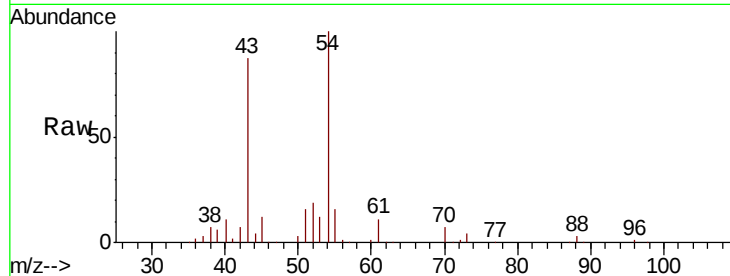
#37
Ethyl Acetate
Concen: 47.698 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.4	10.3	15.5	
70	8.2	5.6	8.4	

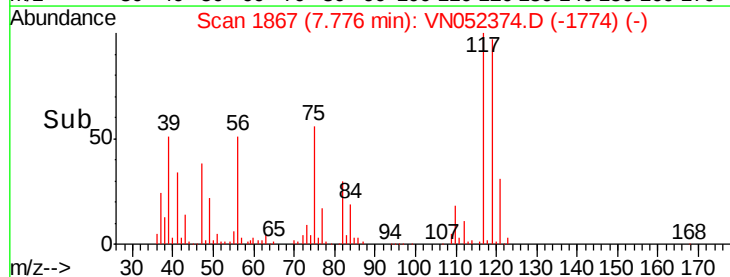
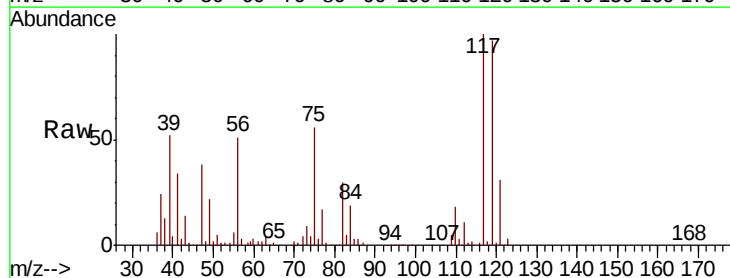
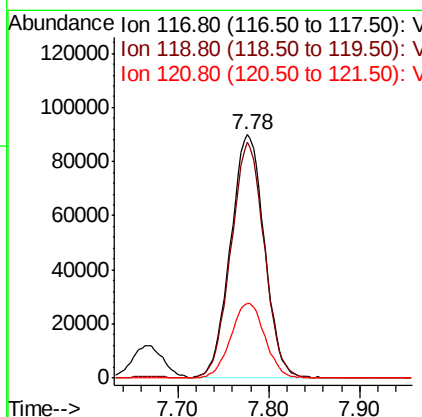
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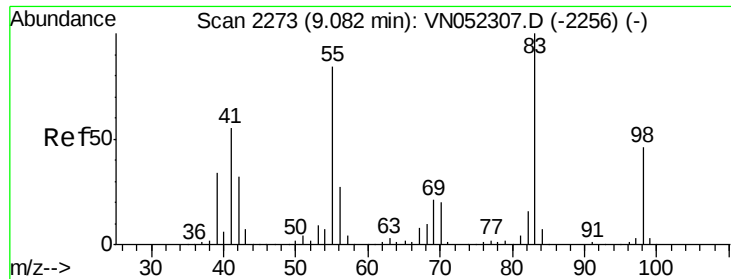
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#38
Carbon Tetrachloride
Concen: 54.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.7	77.4	116.0	
121	30.9	24.0	36.0	





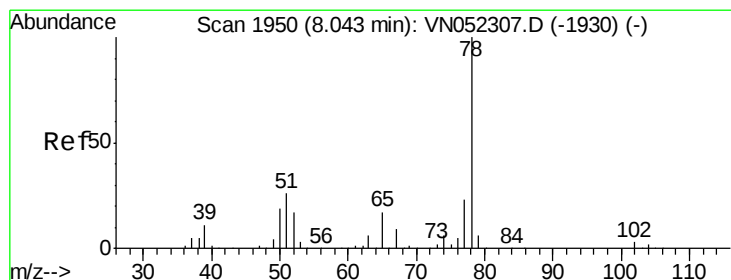
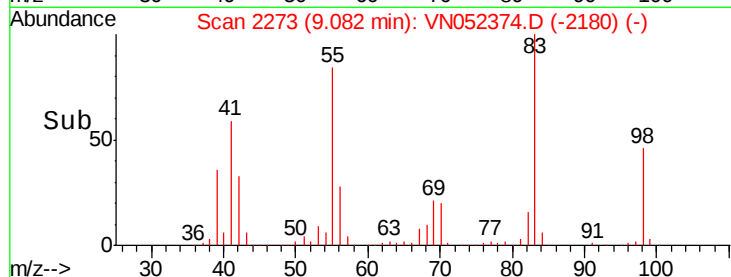
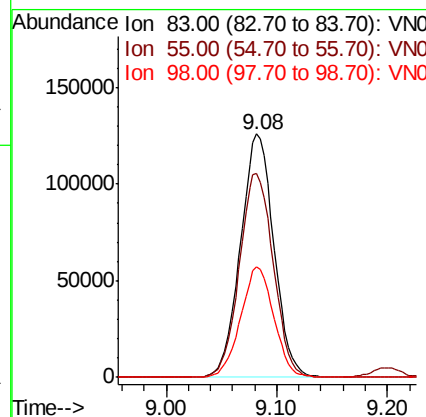
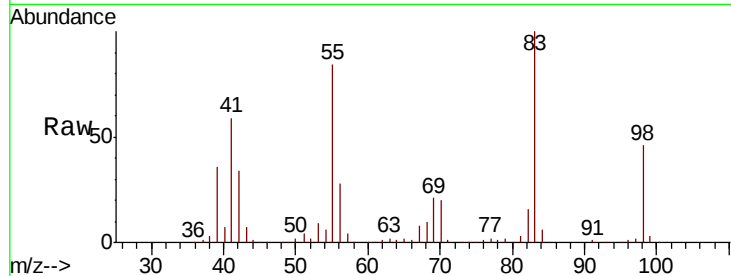
#39
Methvlcvclohexane
Concen: 49.583 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	66.8	100.2
98	45.6	36.4	54.6

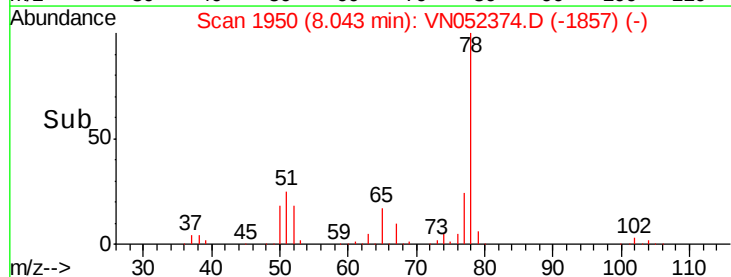
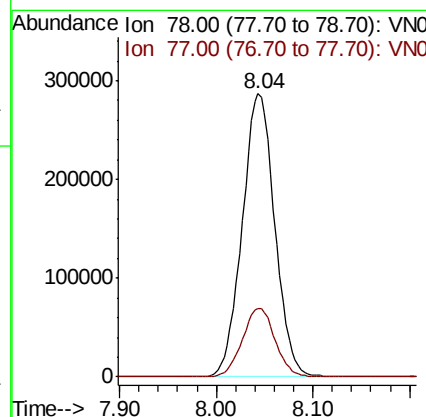
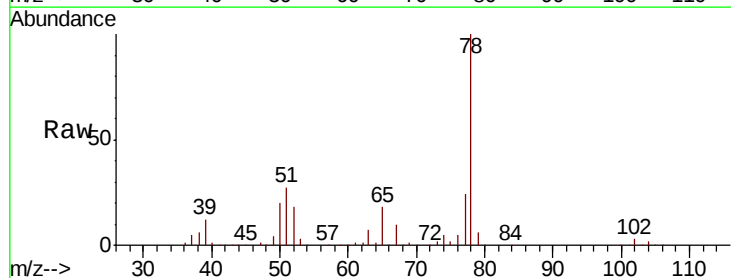
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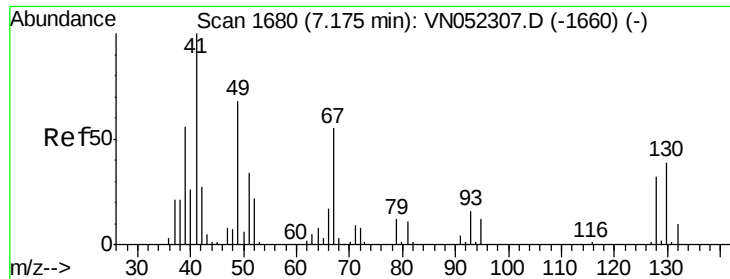
MMDadoda
11/19/2018 12:46:27 PM



#40
Benzene
Concen: 50.250 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





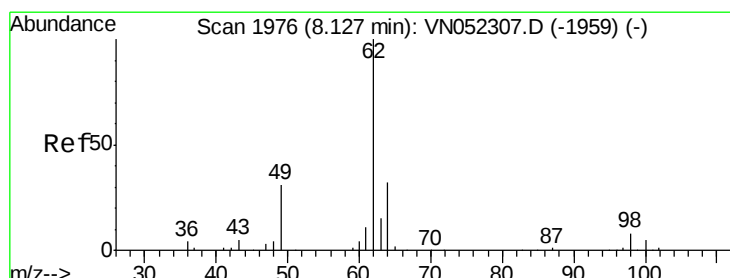
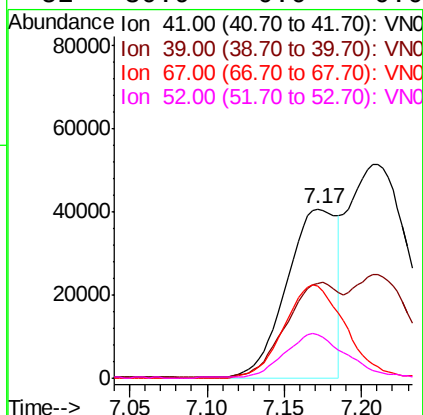
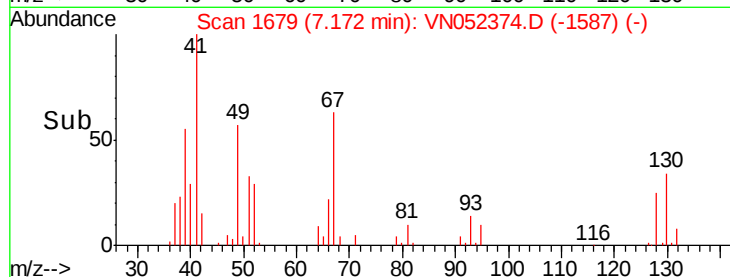
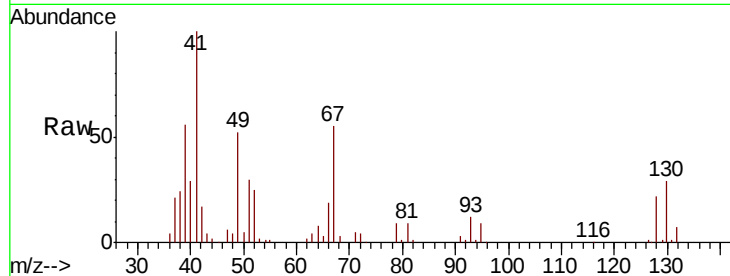
#41
Methacrylonitrile
Concen: 49.162 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	0.0	0.0#
67	68.3	0.0	0.0#
52	30.9	0.0	0.0#

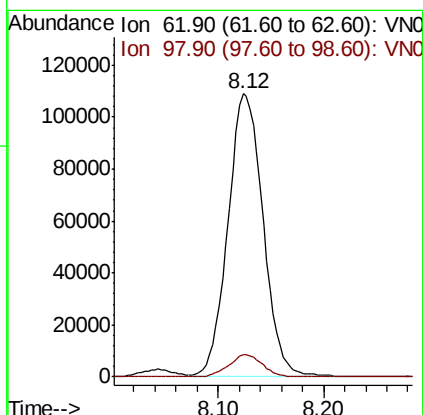
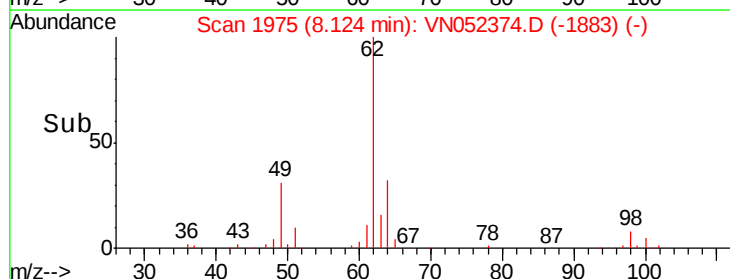
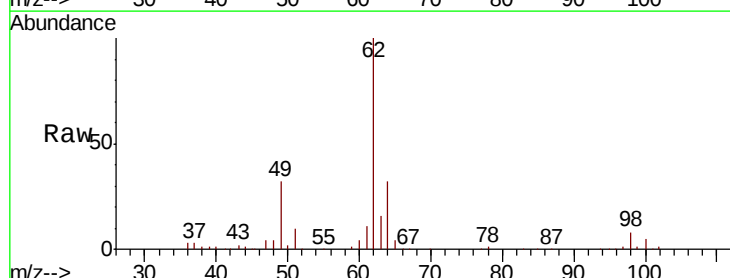
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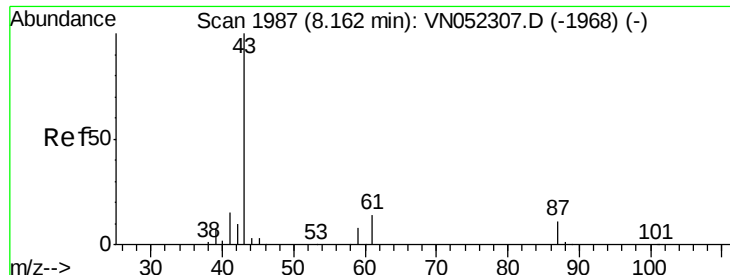
MMDadoda
11/19/2018 12:46:27 PM



#42
1,2-Dichloroethane
Concen: 52.826 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 48.499 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

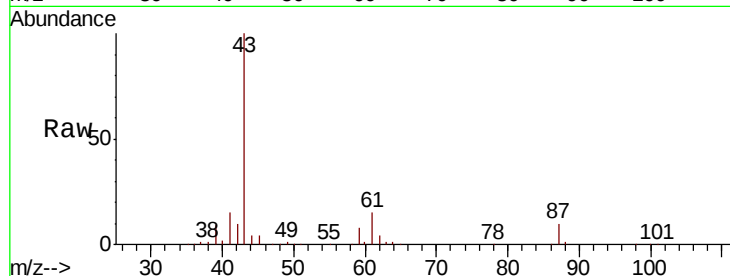
ClientSampleId :

VSTDCCC050EC

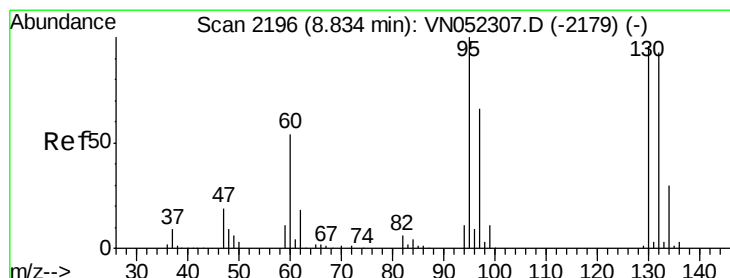
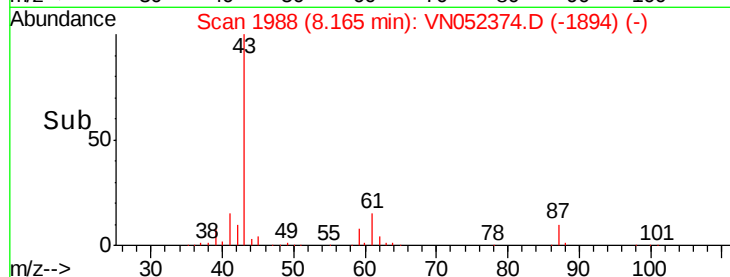
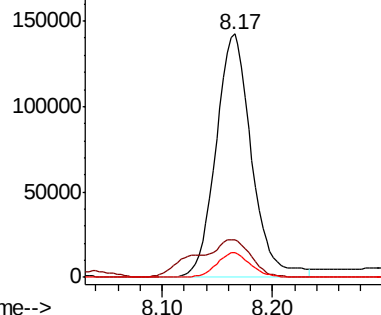
Tot Ion:	43	Resp:	316642
Ion	Ratio	Lower	Upper
43	100		
61	24.3	12.0	18.0#
87	9.7	8.3	12.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 51.400 ug/l

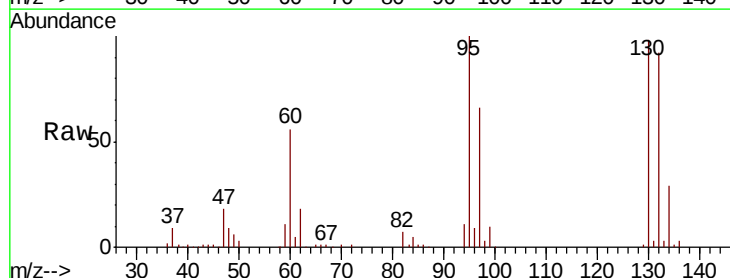
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

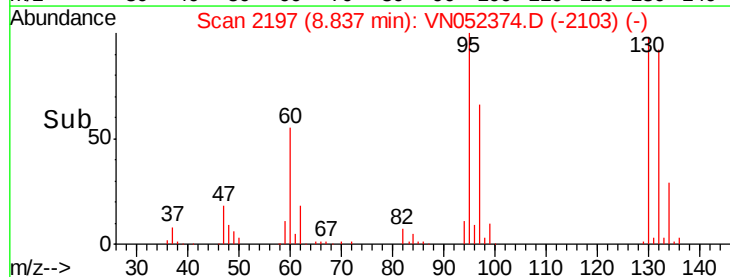
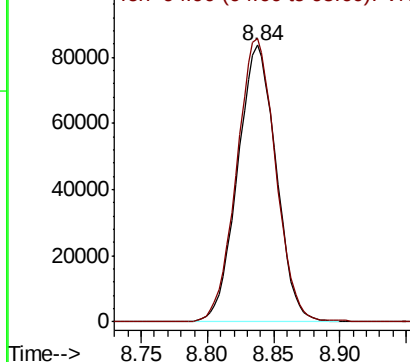
Lab File: VN052374.D

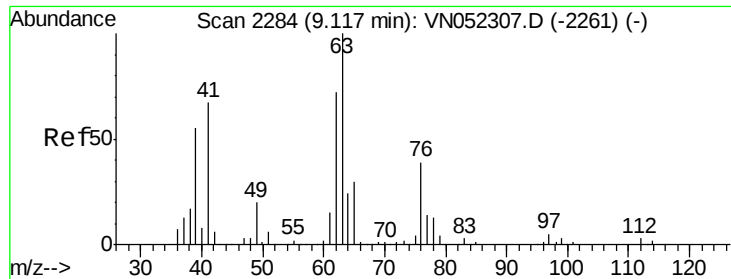
Acq: 16 Nov 2018 19:26

Tgt Ion:	130	Resp:	168626
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)





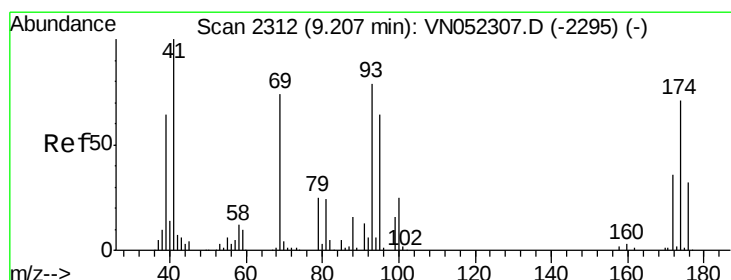
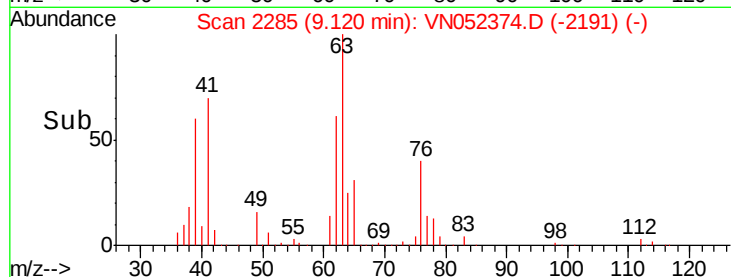
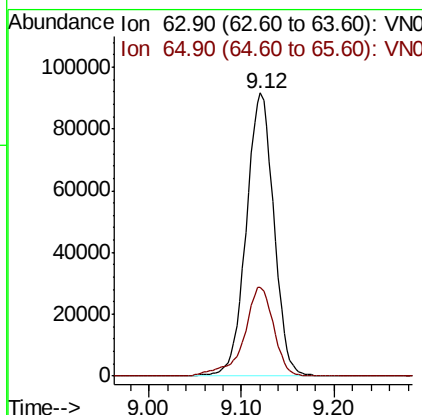
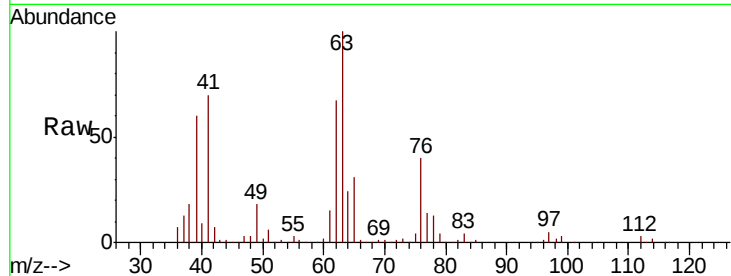
#45
 1,2-Dichloropropane
 Concen: 50.078 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 189278
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4

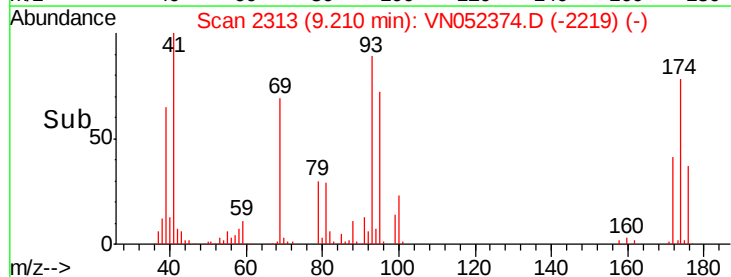
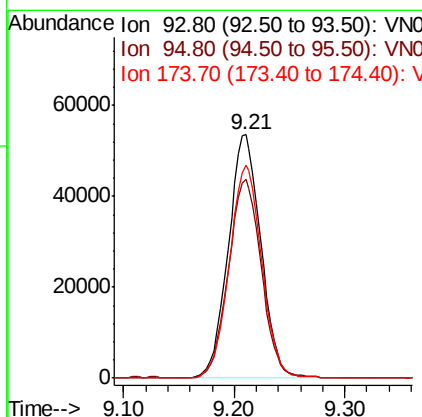
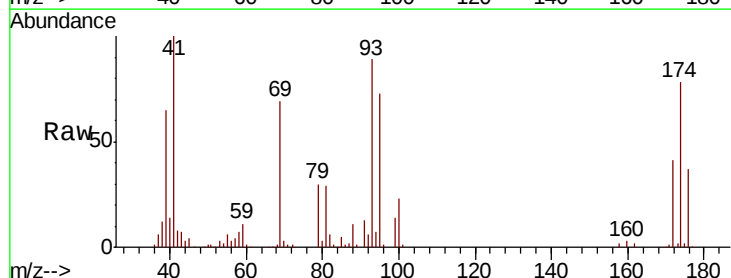
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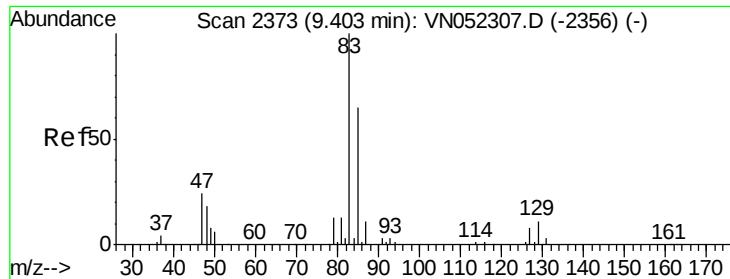
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#46
 Dibromomethane
 Concen: 50.130 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 93 Resp: 109687
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.2 96.2
 174 86.6 70.9 106.3





#47

Bromodichloromethane

Concen: 52.892 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

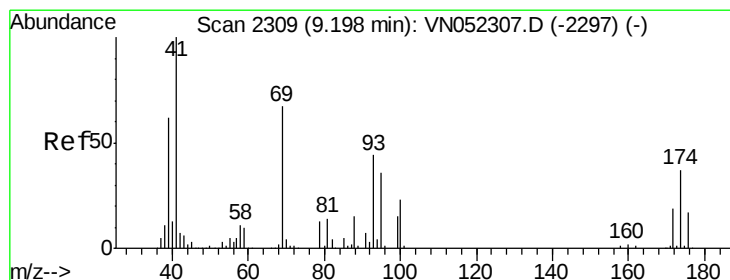
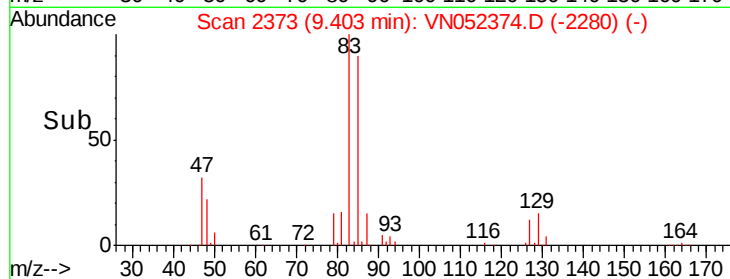
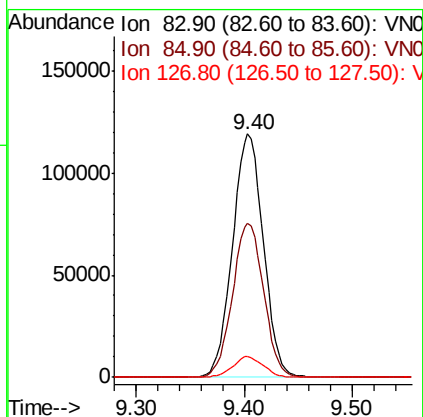
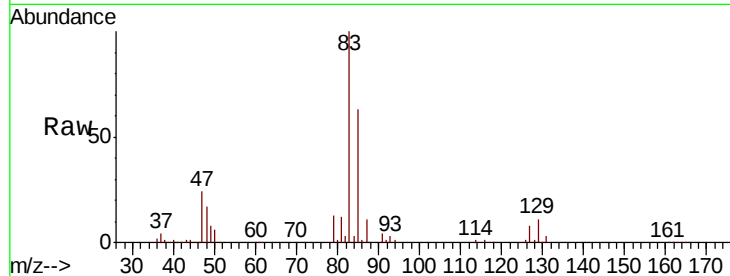
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	237491
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.4
127	8.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.259 ug/l

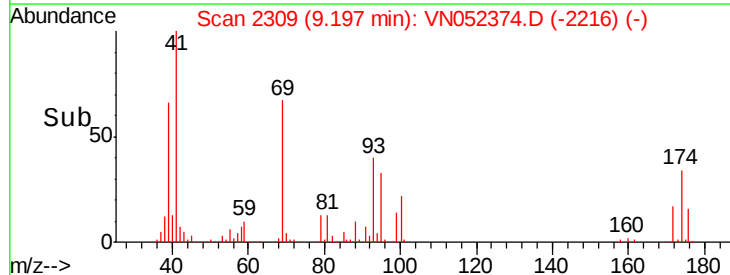
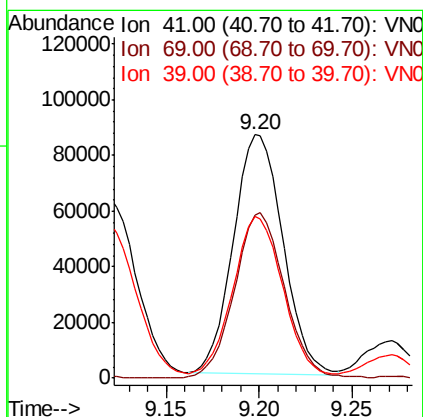
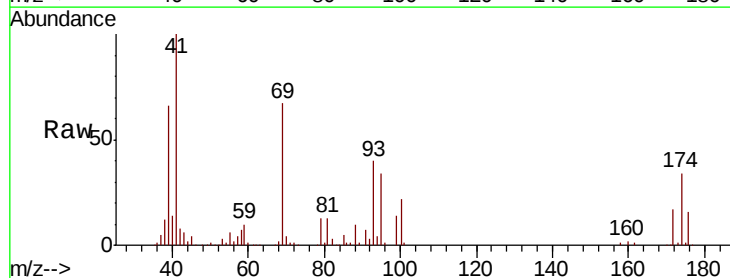
RT: 9.20 min Scan# 2309

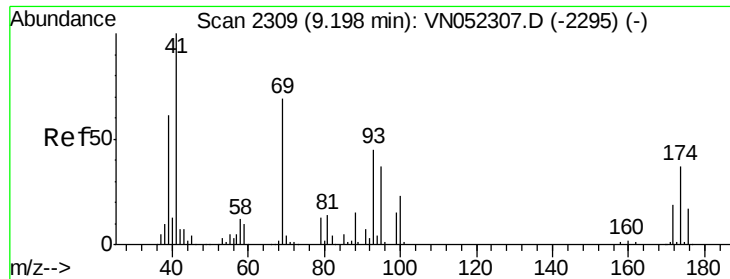
Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion:	41	Resp:	159876
Ion Ratio	Lower	Upper	
41	100		
69	69.3	57.1	85.7
39	68.4	52.5	78.7





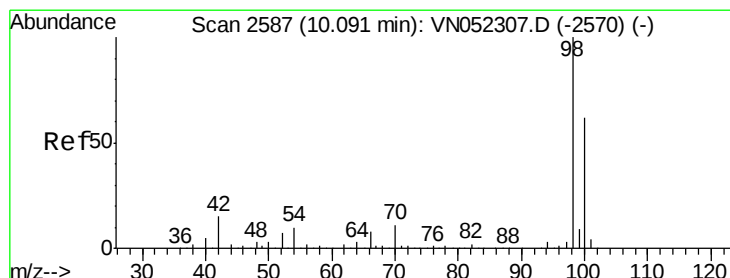
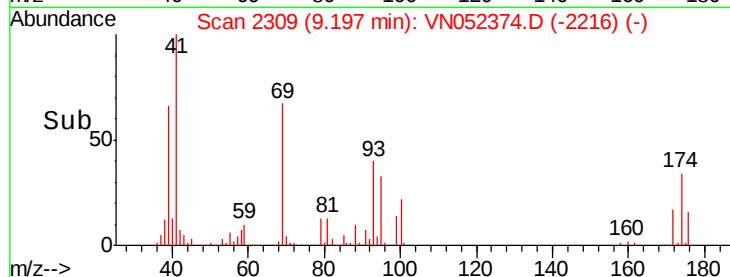
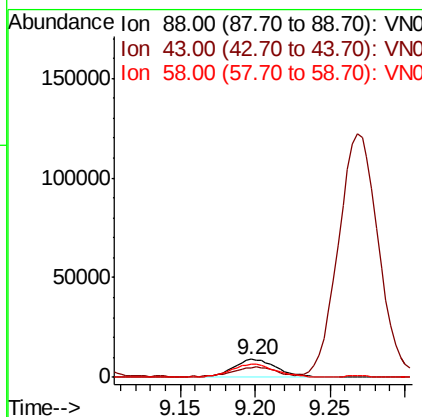
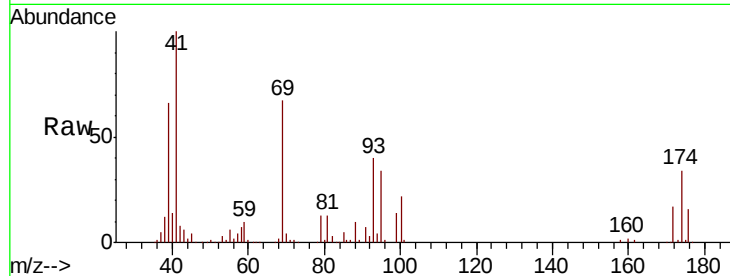
#49
1,4-Dioxane
Concen: 742.868 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.7	33.3	49.9#
58	74.9	59.2	88.8

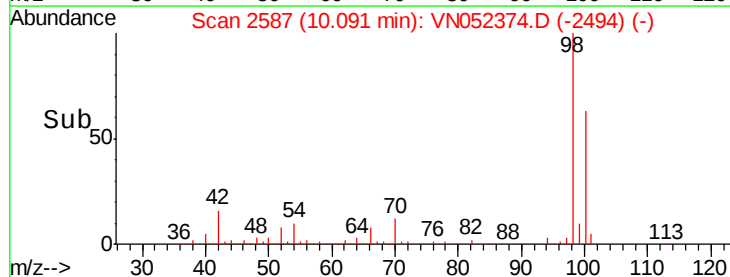
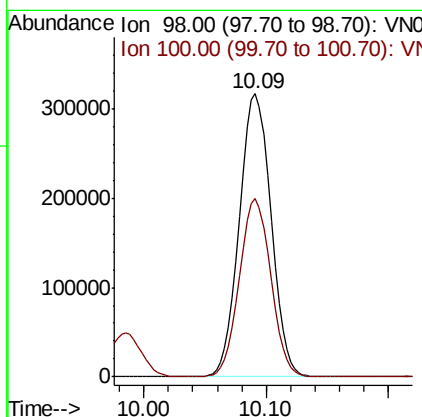
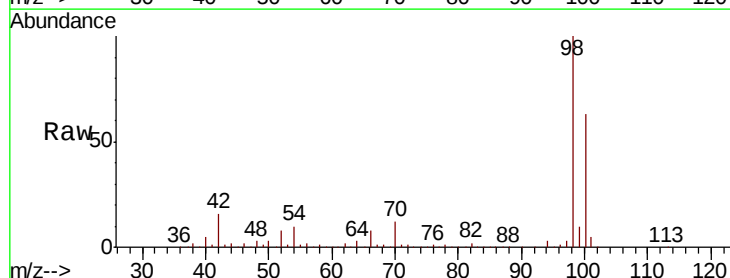
Manual Integrations
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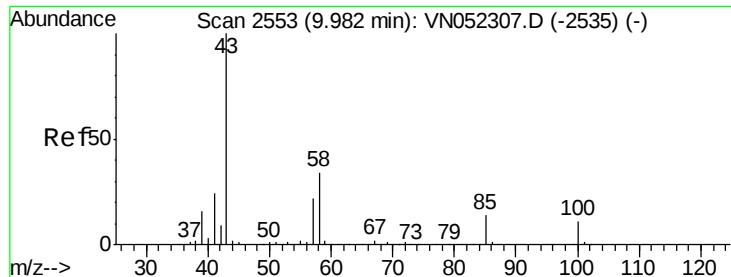
MMDadoda
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#50
Toluene-d8
Concen: 742.868 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 250.639 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 823706

Ion Ratio Lower Upper

43 100

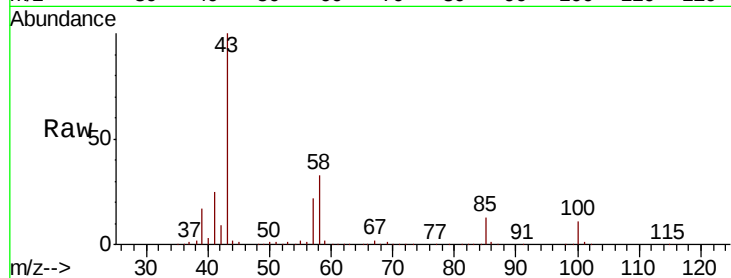
58 33.3 27.0 40.6

Manual Integrations

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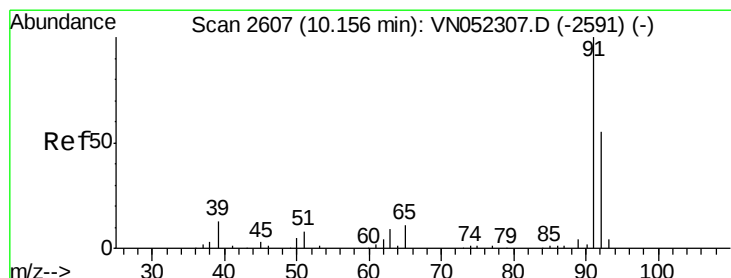
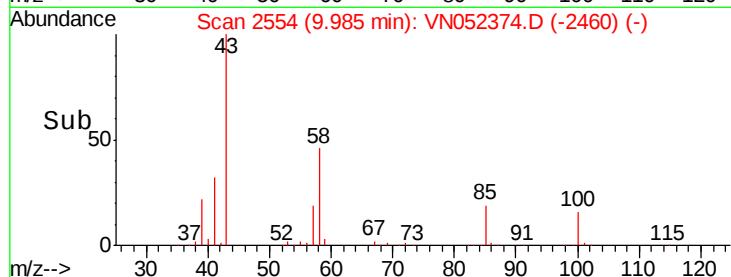
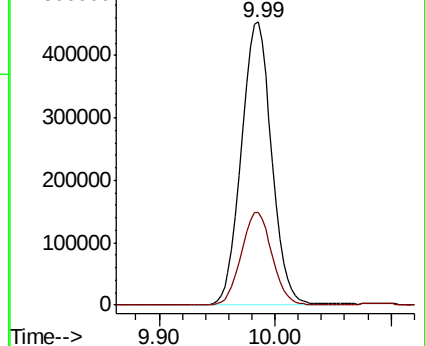
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.020 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052374.D

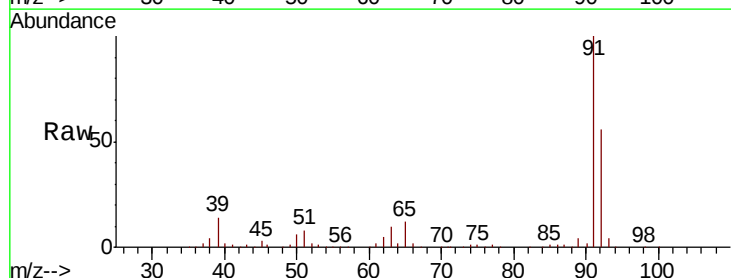
Acq: 16 Nov 2018 19:26

Tgt Ion: 92 Resp: 406490

Ion Ratio Lower Upper

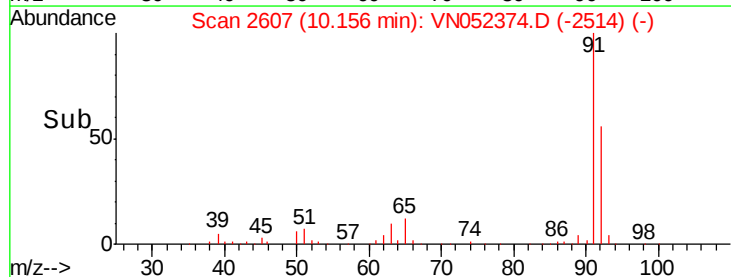
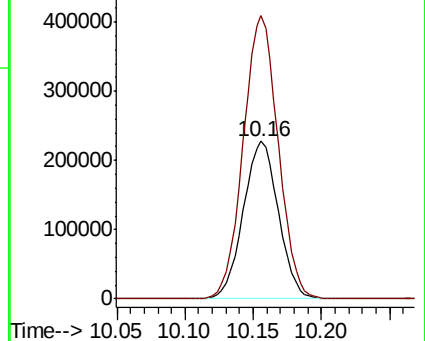
92 100

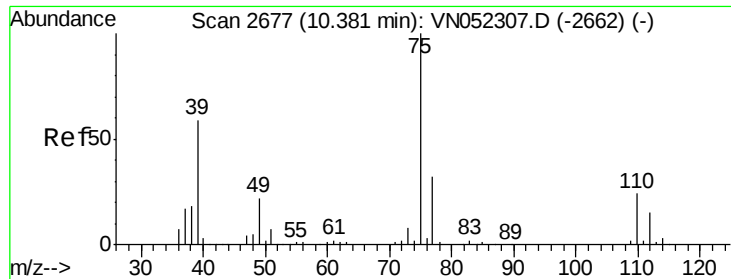
91 179.2 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





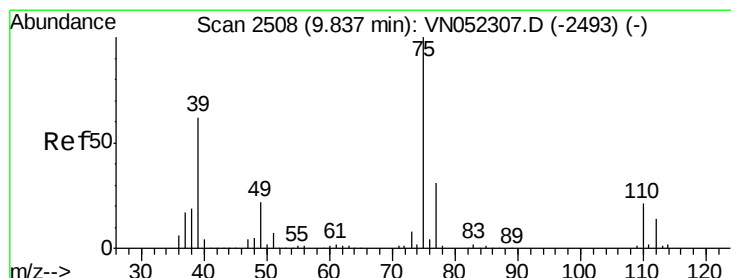
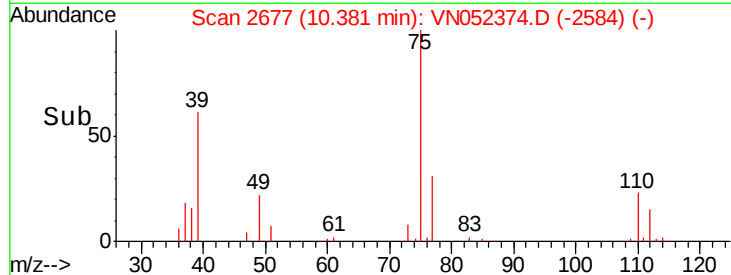
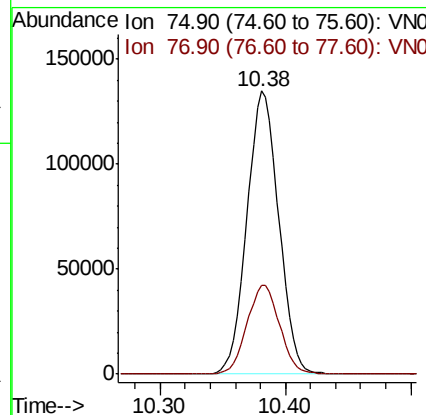
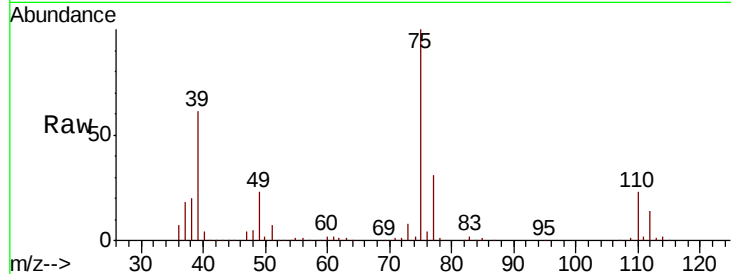
#53
t-1,3-Dichloropropene
Concen: 52.631 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5

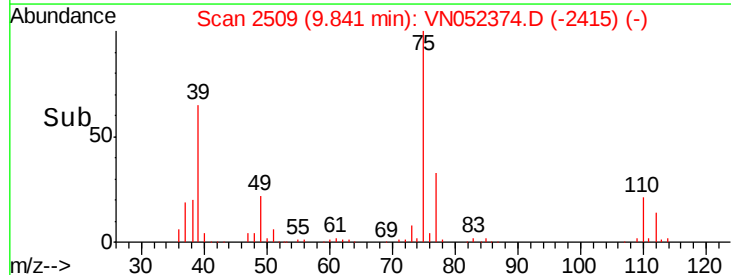
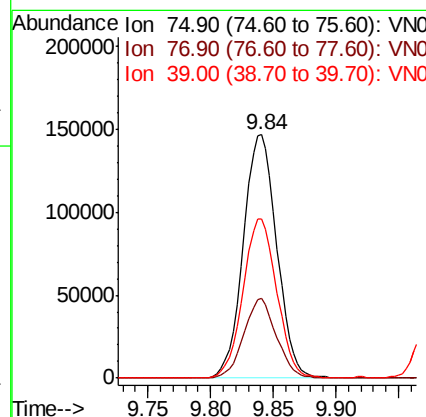
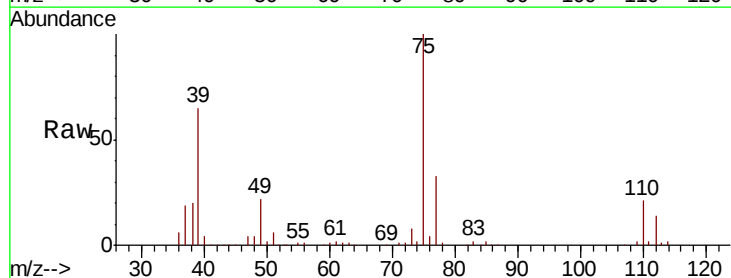
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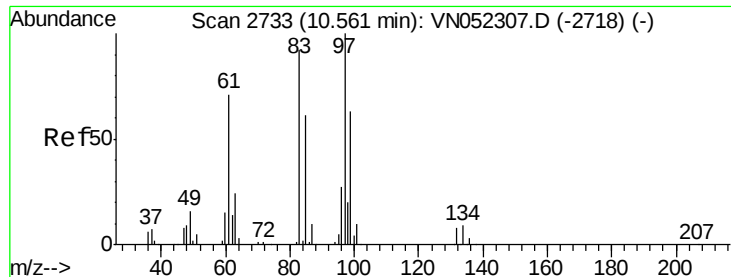
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.763 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.6	36.8
39	65.1	49.9	74.9





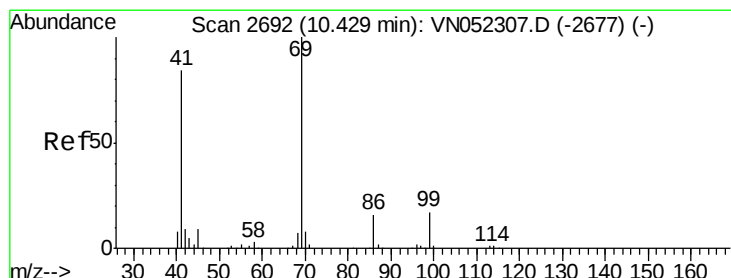
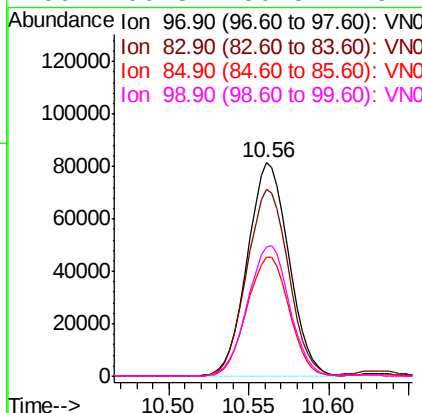
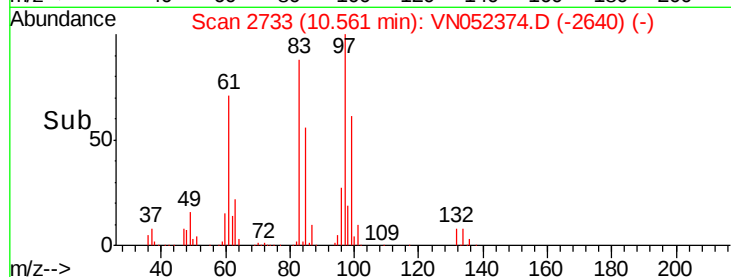
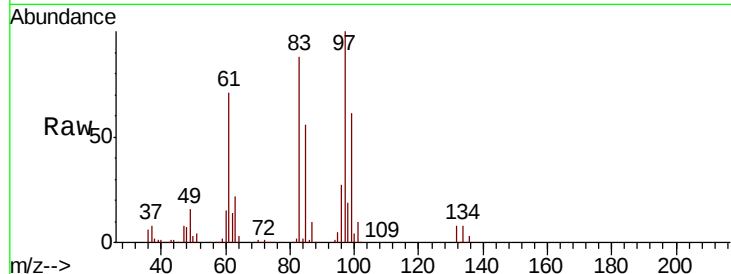
#55
 1,1,2-Trichloroethane
 Concen: 50.145 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144830		
83	87.7	73.8	110.6		
85	55.9	49.0	73.4		
99	60.8	50.5	75.7		

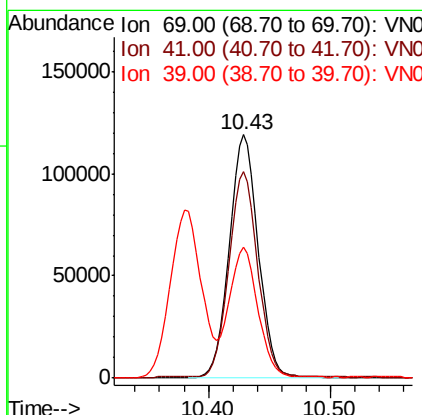
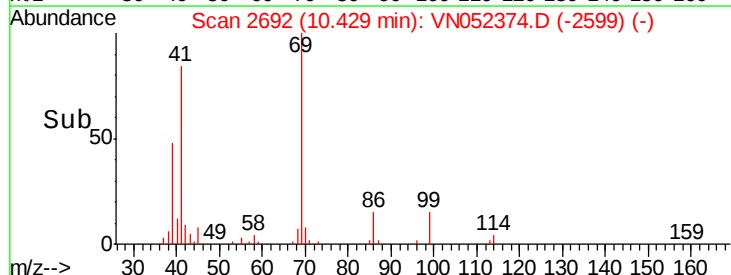
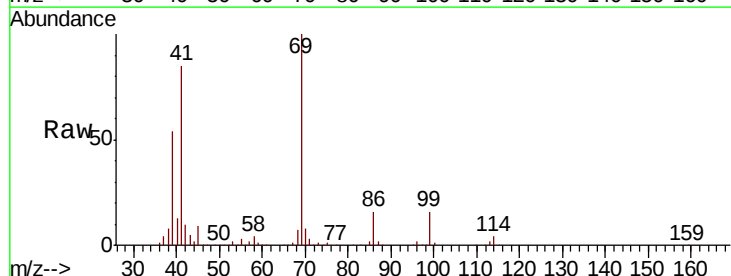
Manual Integrations
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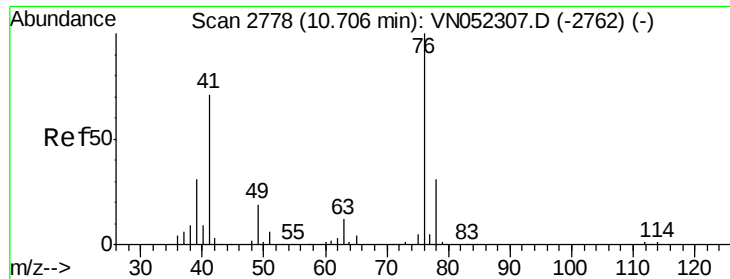
MMDadoda
 11/19/2018 12:46:27 PM



#56
 Ethyl methacrylate
 Concen: 51.699 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		196372		
41	84.4	64.8	97.2		
39	53.3	41.0	61.6		





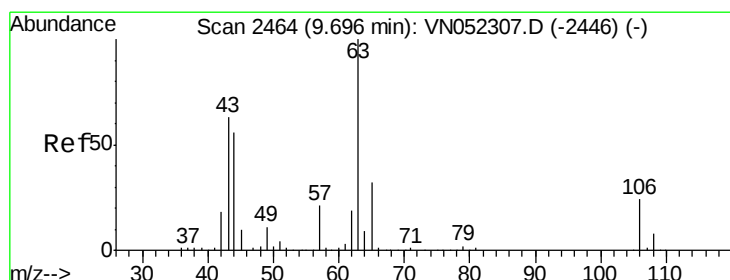
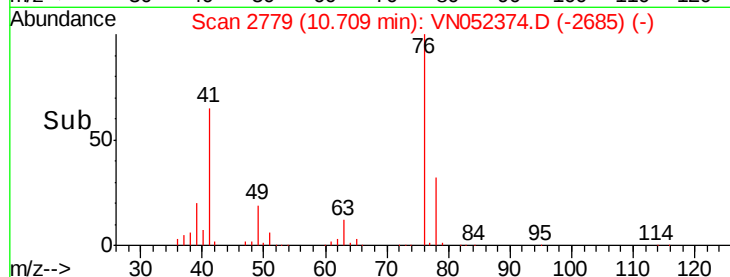
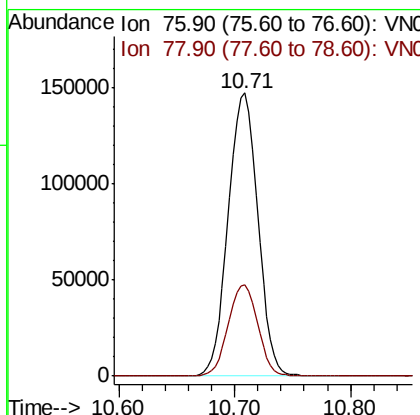
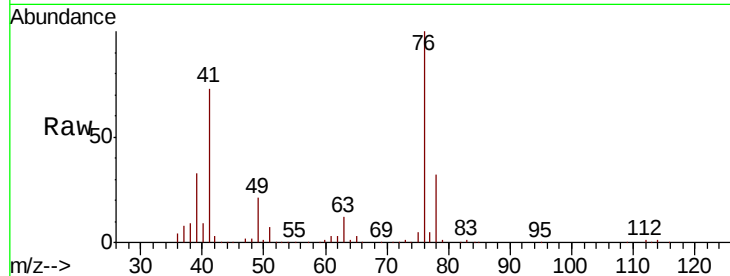
#57
 1,3-Dichloropropane
 Concen: 51.109 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 261464
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

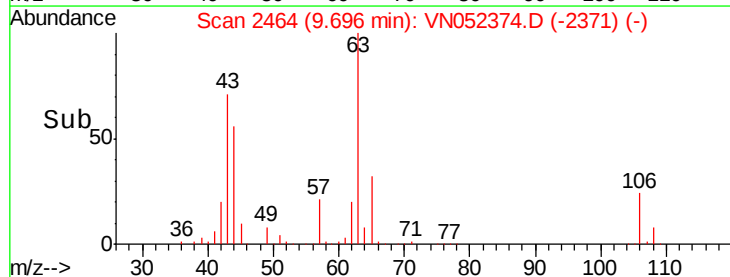
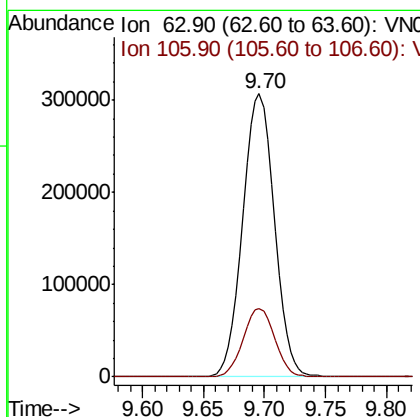
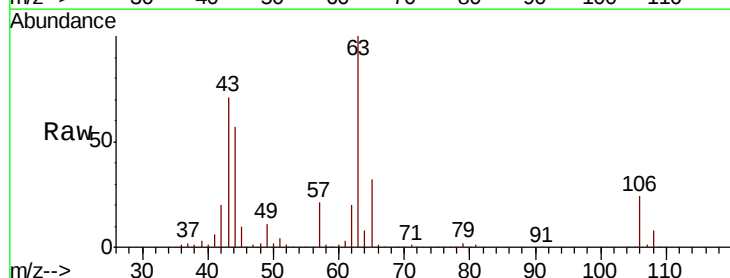
Manual Integrations
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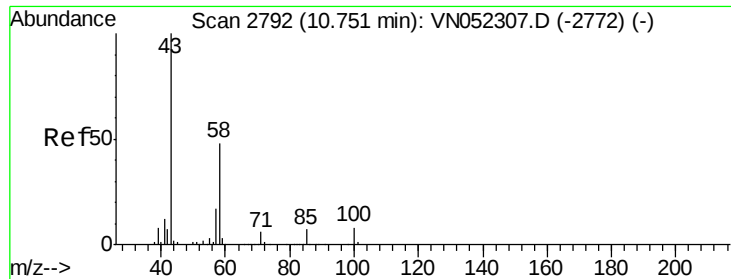
MMDadoda
 11/19/2018 12:46:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.067 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 63 Resp: 549424
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.3 28.9





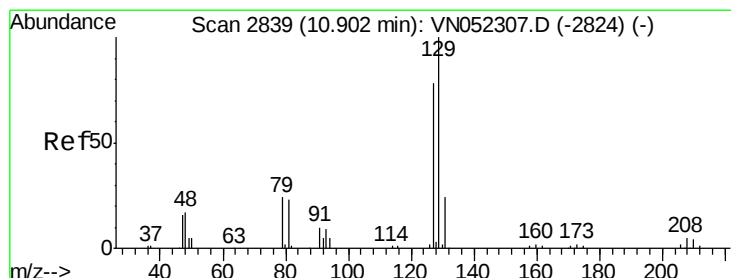
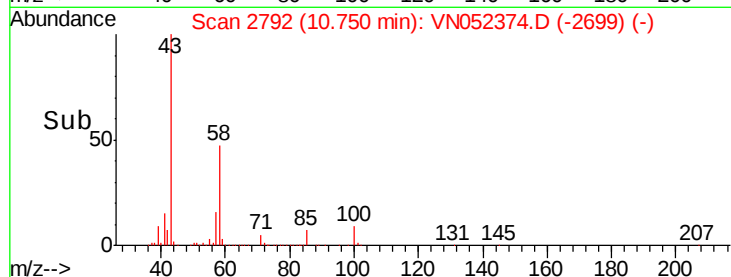
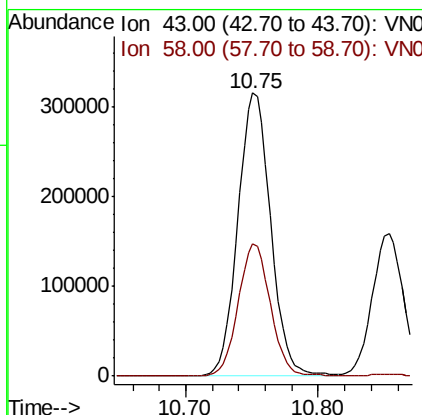
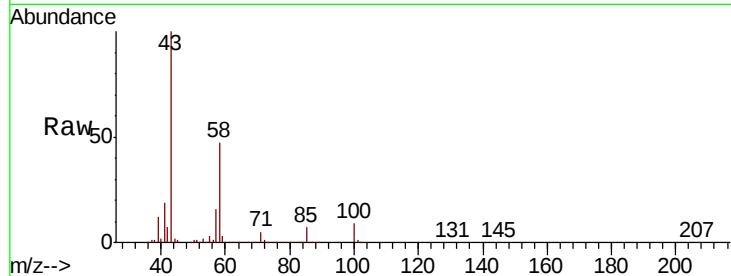
#59
2-Hexanone
Concen: 238.778 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 539760
Ion Ratio Lower Upper
43 100
58 46.1 23.5 70.6

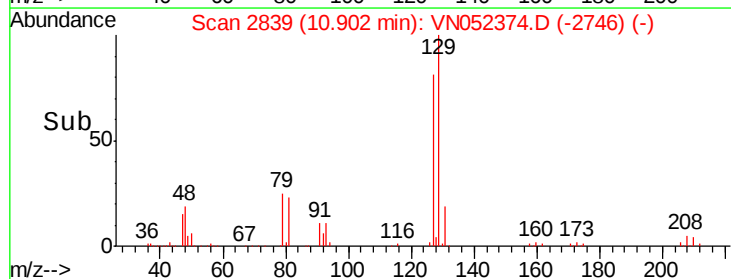
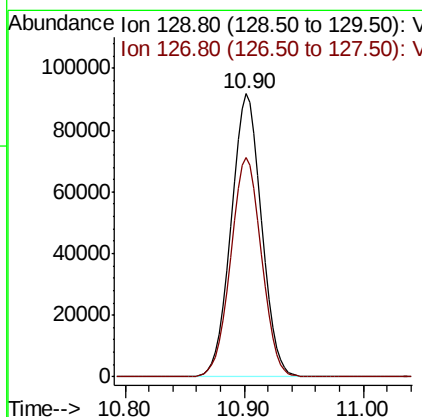
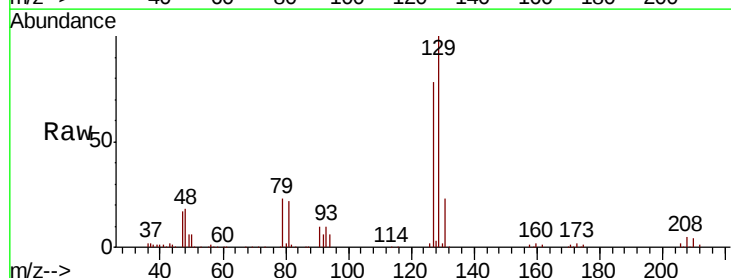
Manual Integrations
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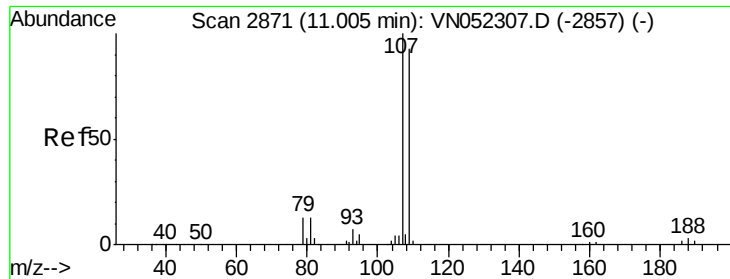
MMDadoda
11/19/2018 12:46:27 PM



#60
Dibromochloromethane
Concen: 51.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 129 Resp: 162074
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





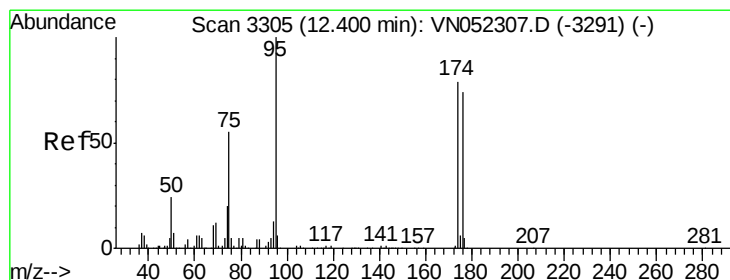
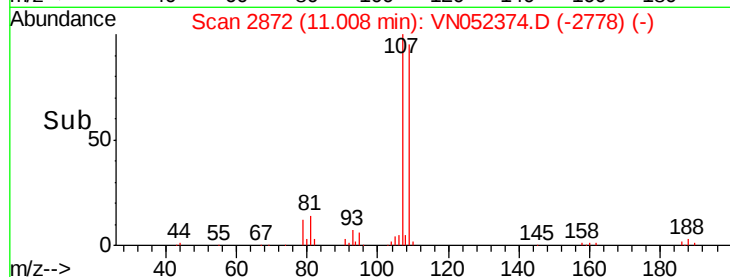
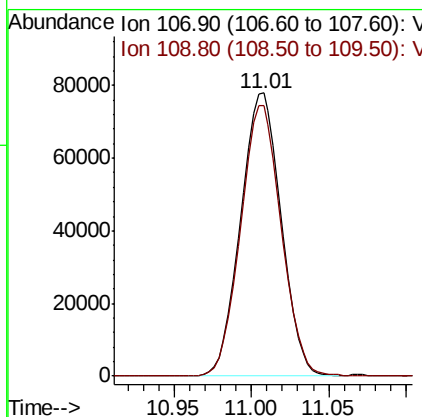
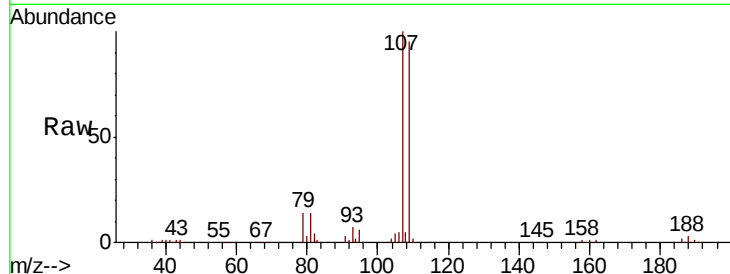
#61
 1,2-Dibromoethane
 Concen: 49.377 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.9	112.3

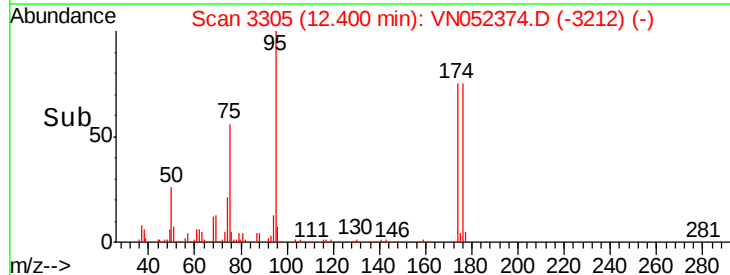
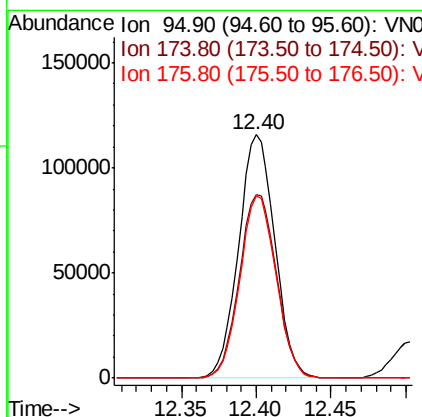
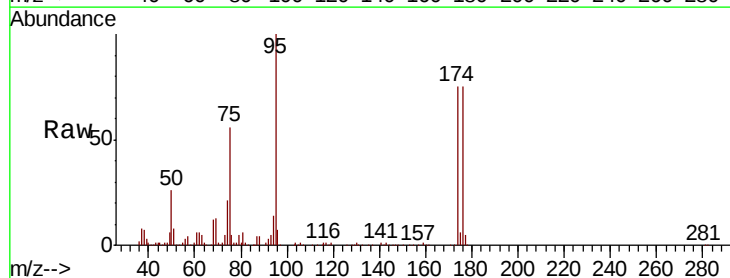
Manual Integrations
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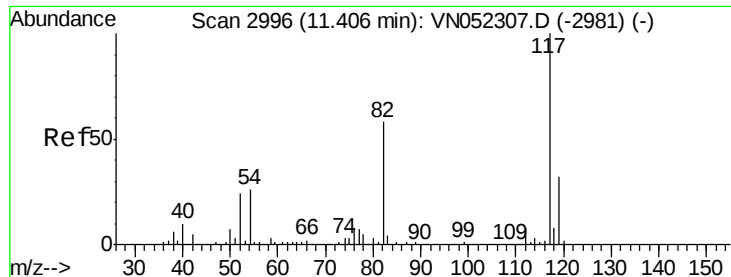
MMDadoda
 11/19/2018 12:46:27 PM



#62
 4-Bromofluorobenzene
 Concen: 49.377 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	156.0
176	74.7	0.0	148.4





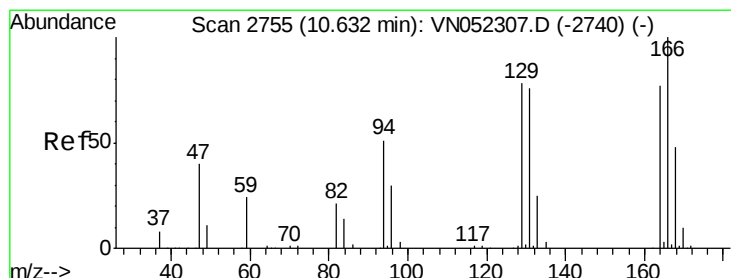
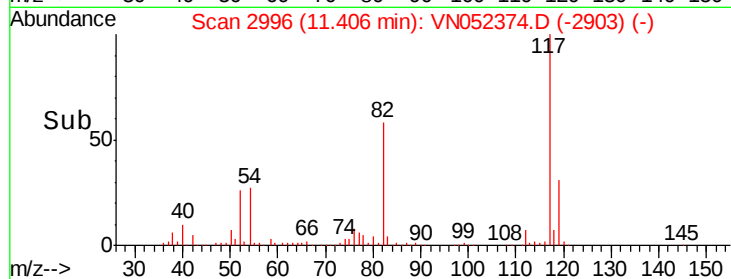
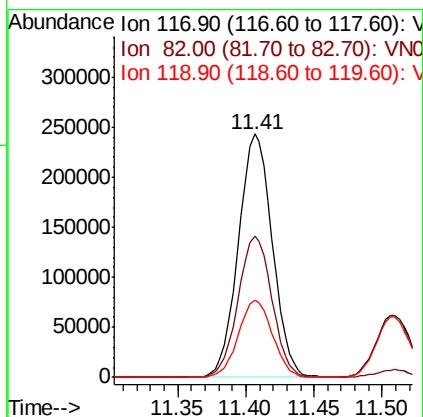
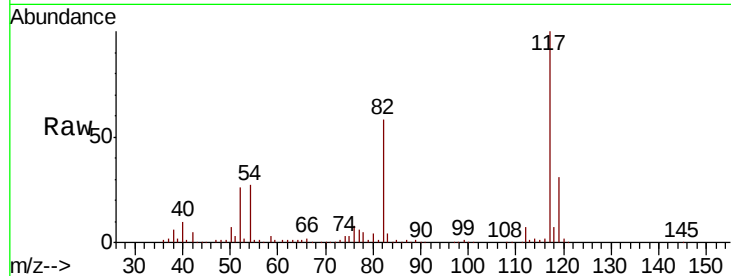
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.5	69.7
119	31.5	25.7	38.5

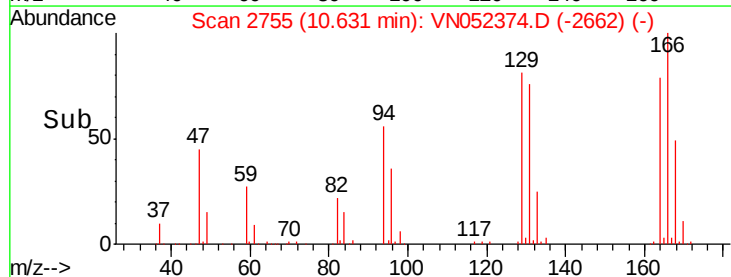
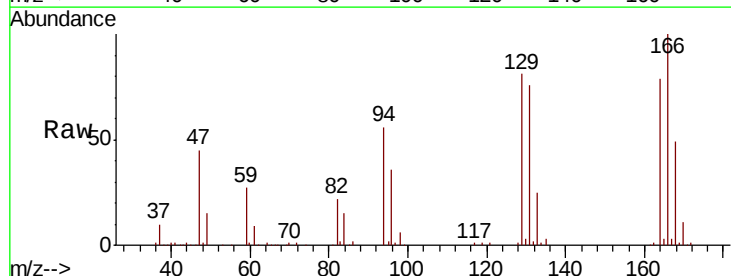
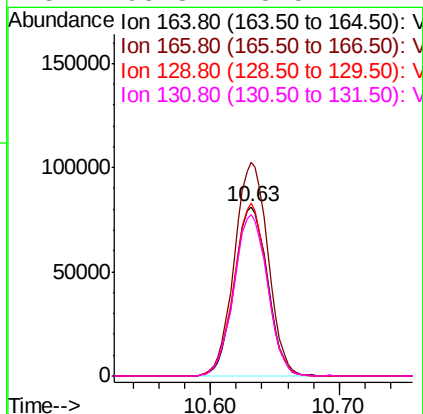
Manual Integrations
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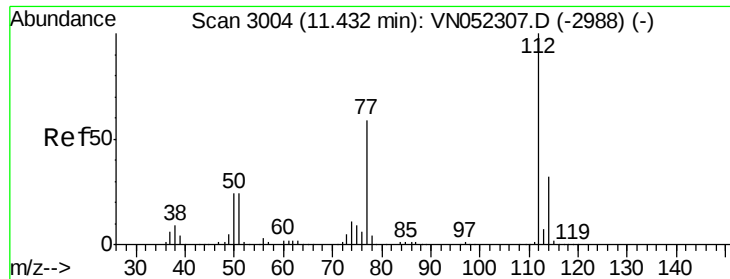
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#64
Tetrachloroethene
Concen: 48.650 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.8	155.6
129	101.9	80.7	121.1
131	95.3	78.5	117.7





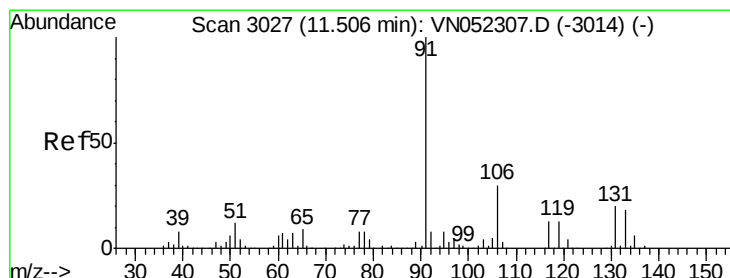
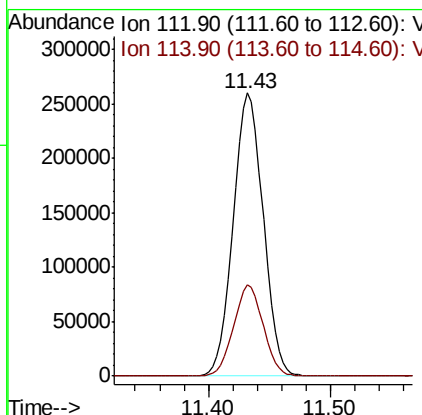
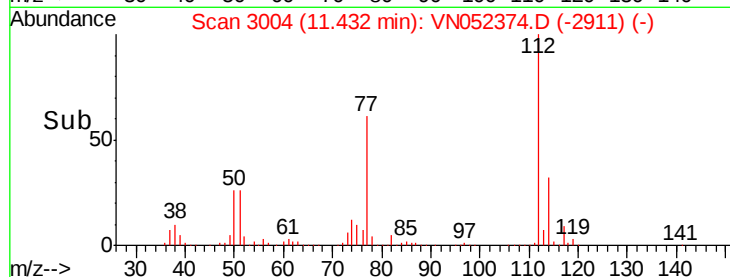
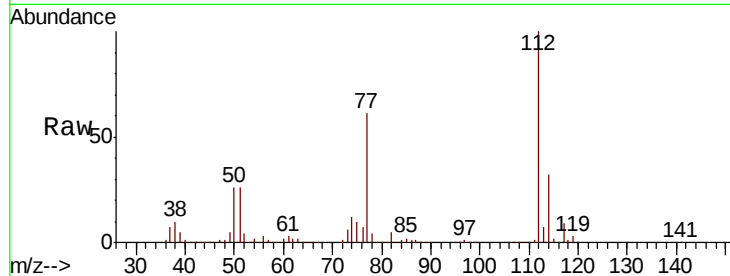
#65
Chlorobenzene
Concen: 49.964 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 444808
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

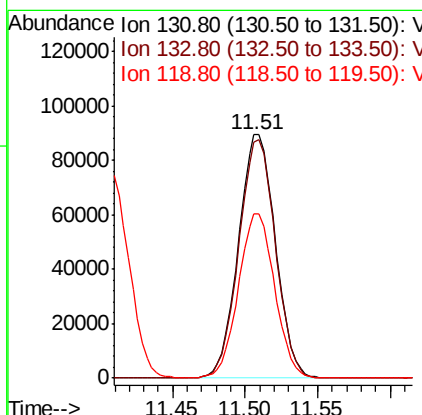
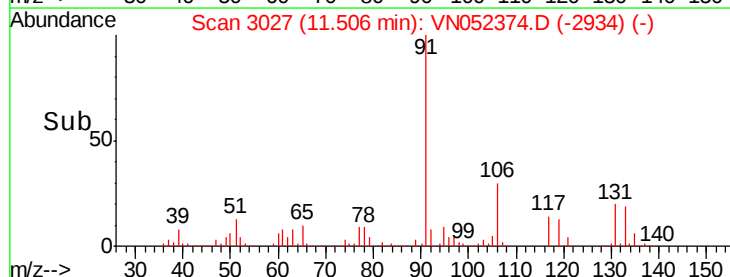
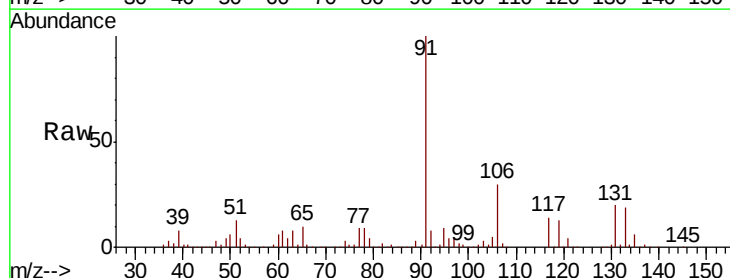
Manual Integrations
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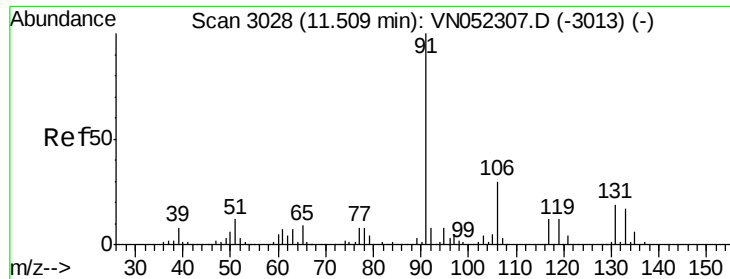
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.191 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion:131 Resp: 158441
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 66.3 33.3 99.9





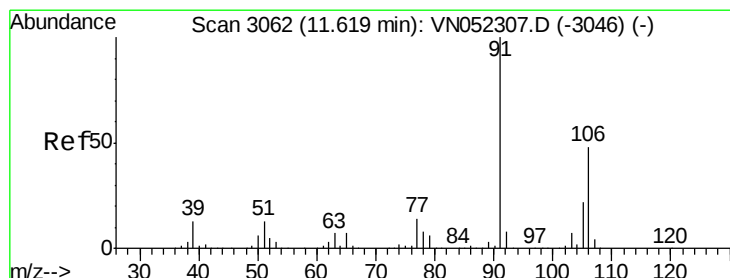
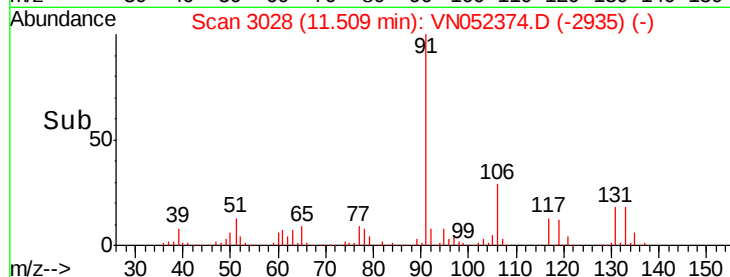
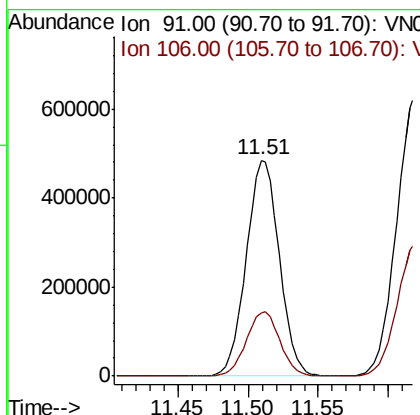
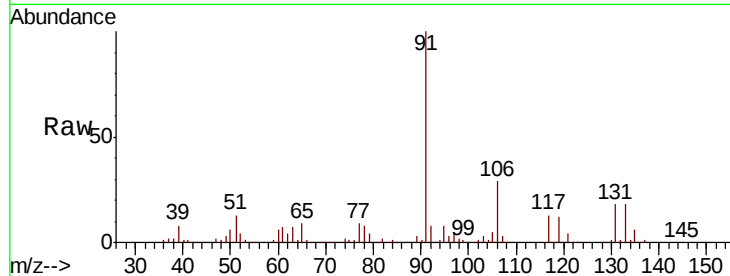
#67
Ethyl Benzene
Concen: 51.698 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 798802
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.2

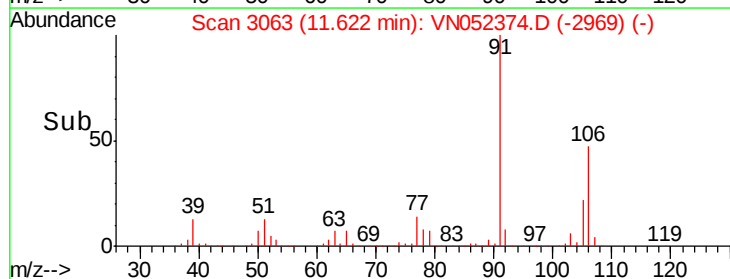
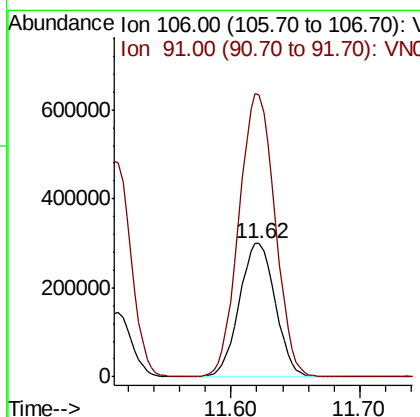
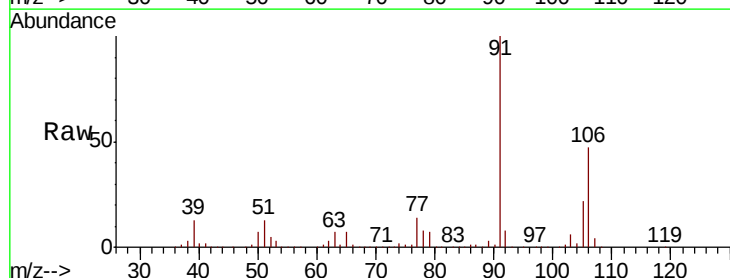
Manual Integrations
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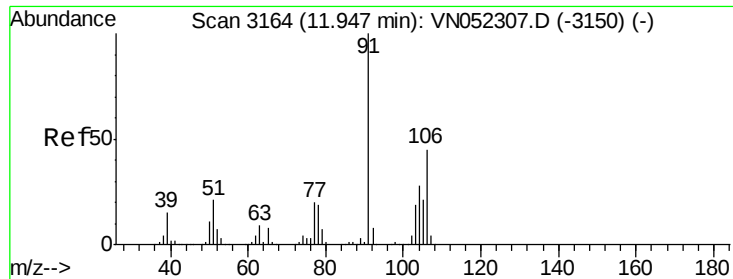
MMDadoda
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#68
m/p-Xylenes
Concen: 102.739 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 106 Resp: 580019
Ion Ratio Lower Upper
106 100
91 213.3 165.5 248.3





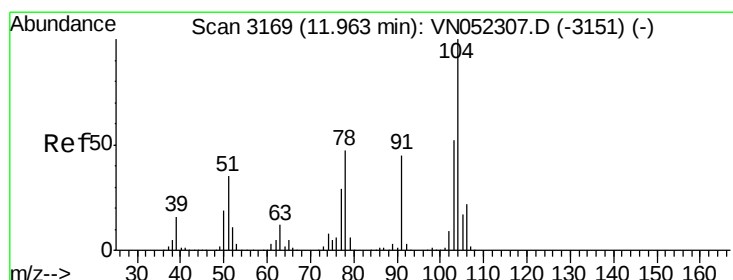
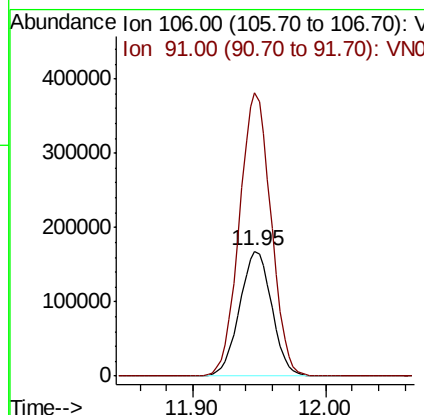
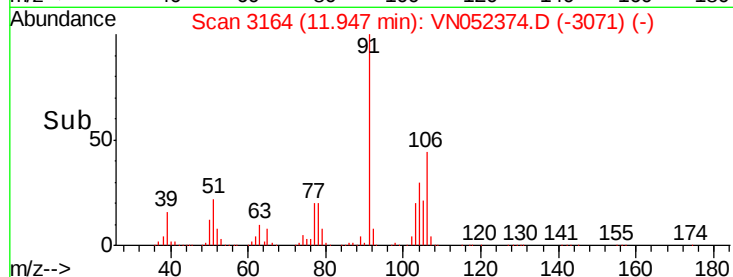
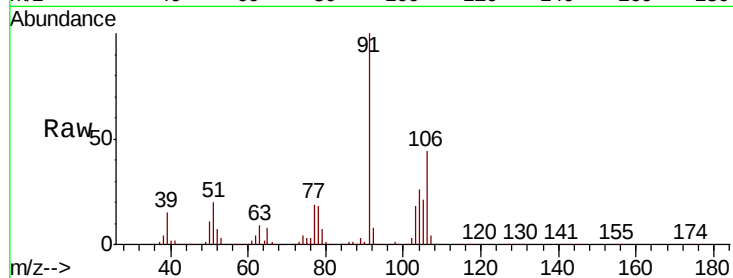
#69
o-Xylene
Concen: 52.249 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.5	110.0	330.0	

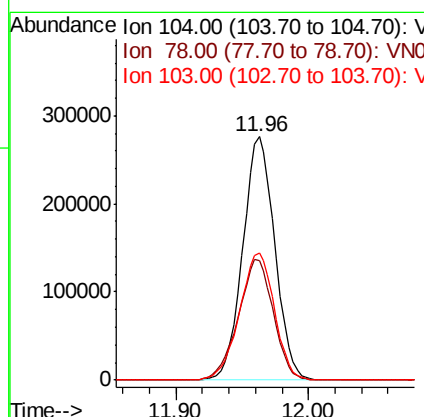
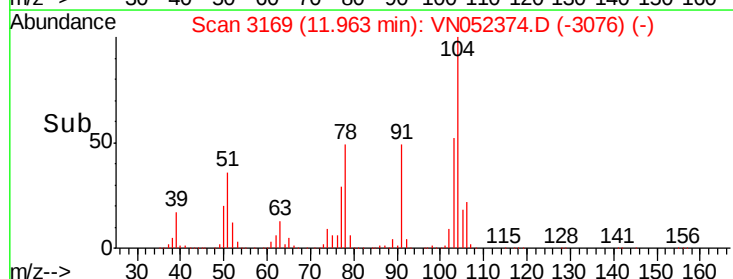
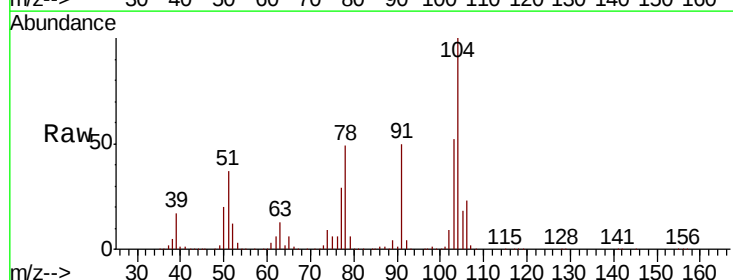
Manual Integrations
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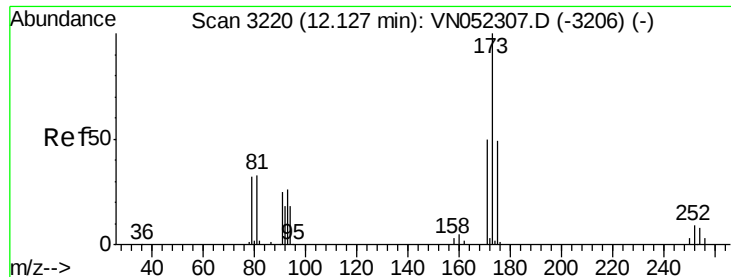
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#70
Styrene
Concen: 53.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.4	42.7	64.1	
103	56.9	45.4	68.0	





#71

Bromoform

Concen: 52.772 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 94590

Ion Ratio Lower Upper

173 100

175 48.8 25.0 75.0

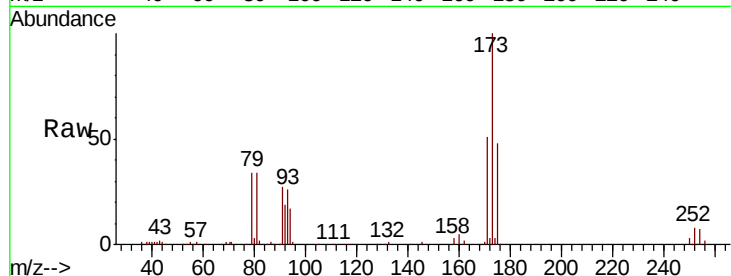
254 0.0 0.0 0.0

Manual Integrations

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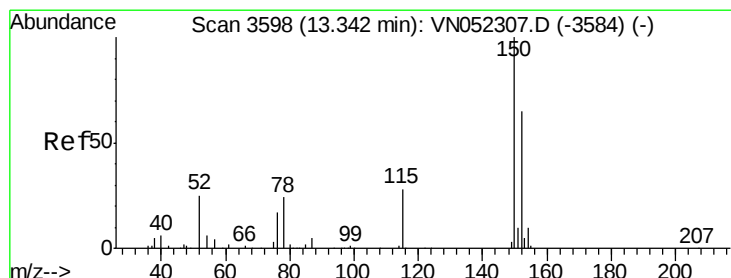
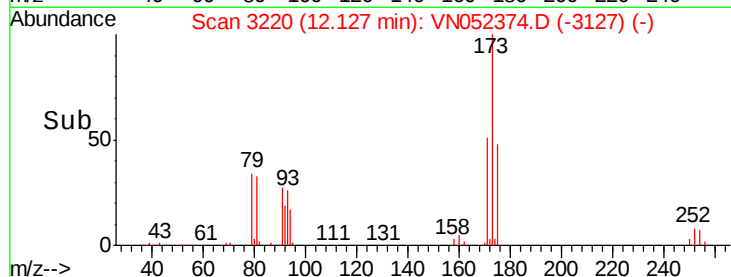
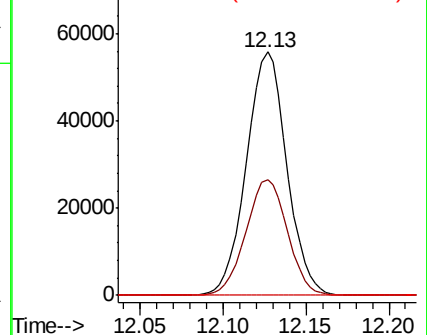
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

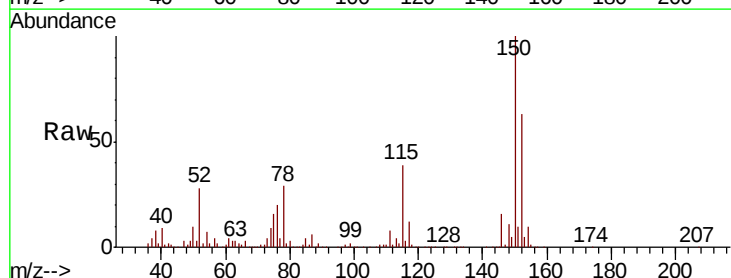
Tgt Ion:152 Resp: 189854

Ion Ratio Lower Upper

152 100

115 61.2 30.3 91.0

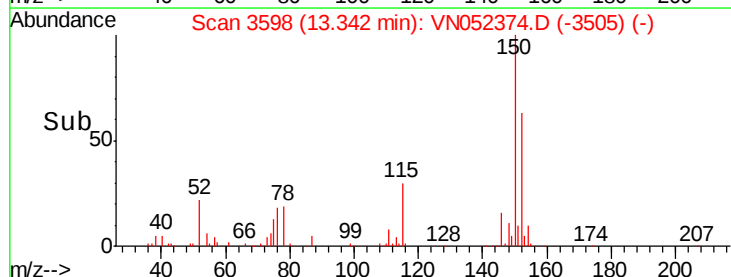
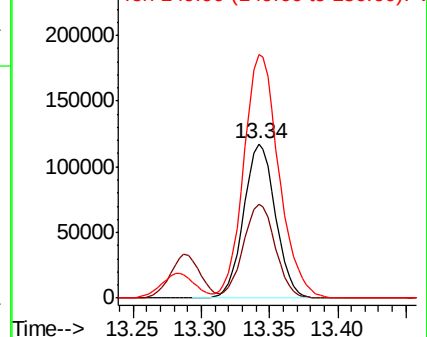
150 174.8 0.0 348.2

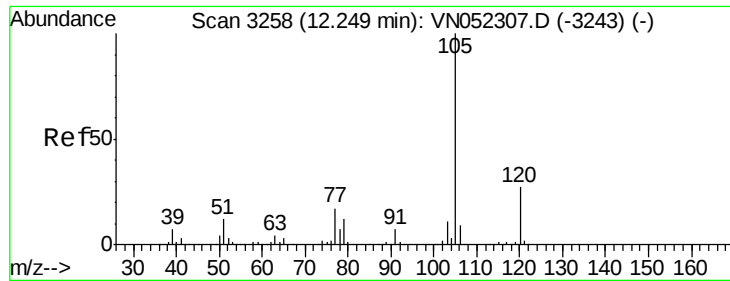


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 776006

Ion Ratio Lower Upper

105 100

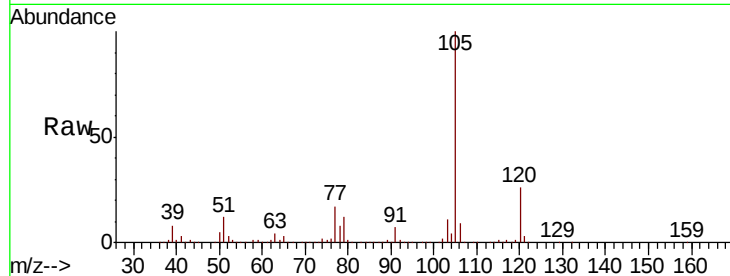
120 26.4 13.4 40.1

Manual Integrations

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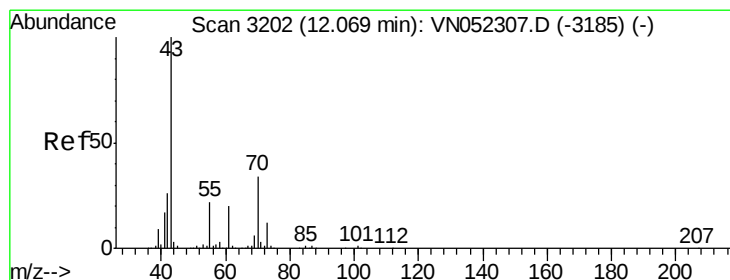
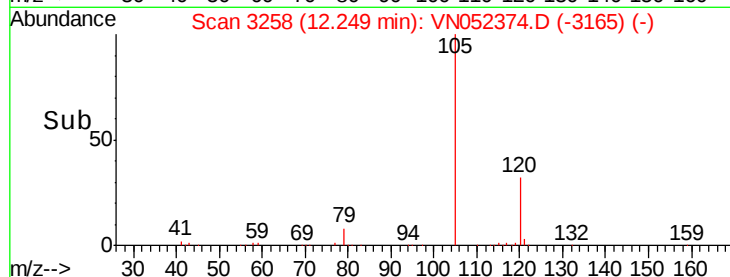
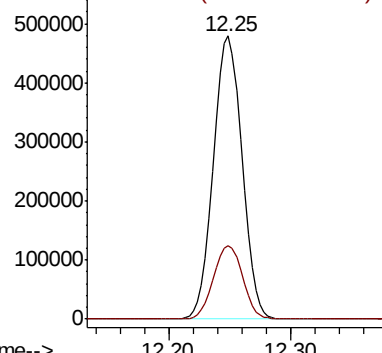
MMDadoda

11/19/2018 12:46:27 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.422 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion: 43 Resp: 285007

Ion Ratio Lower Upper

43 100

70 34.2 27.1 40.7

55 21.8 17.4 26.0

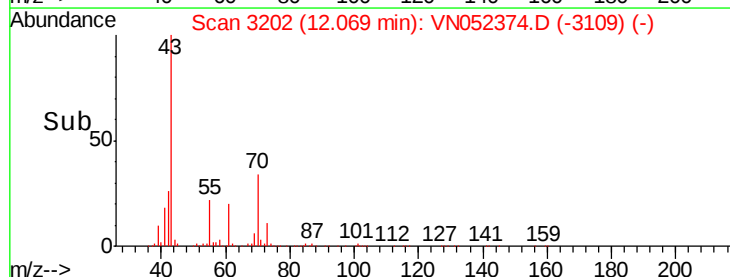
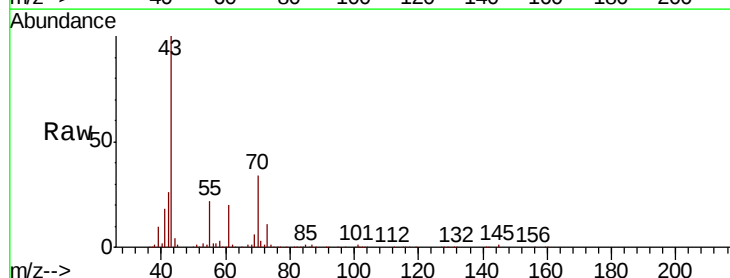
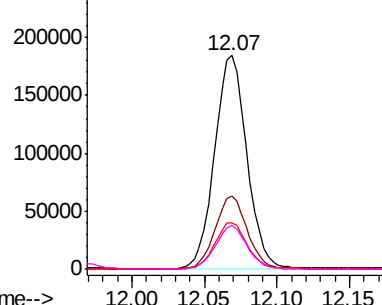
61 19.8 16.1 24.1

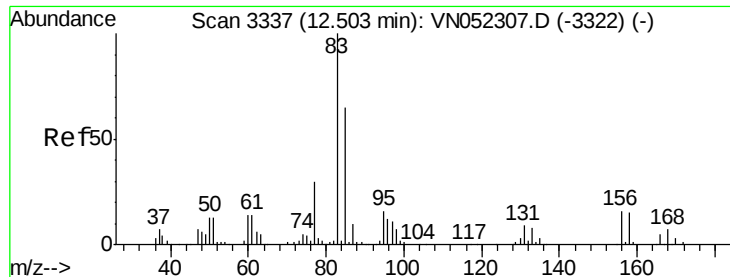
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.536 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

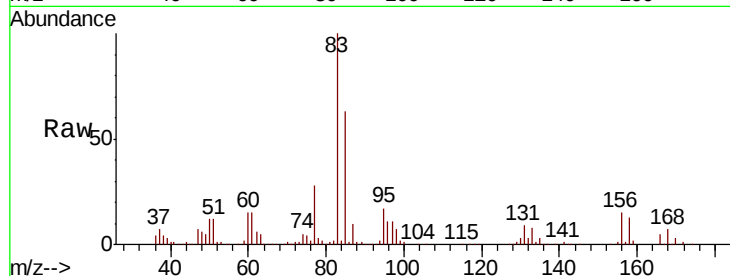
ClientSampleId :

VSTDCCC050EC

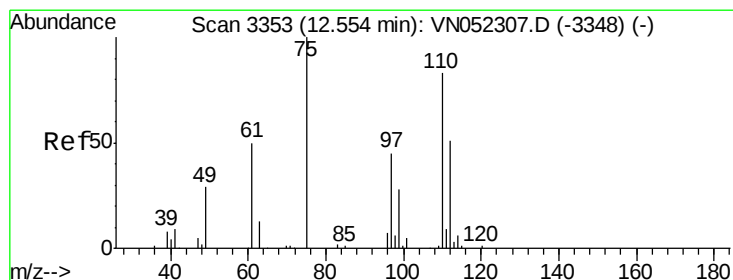
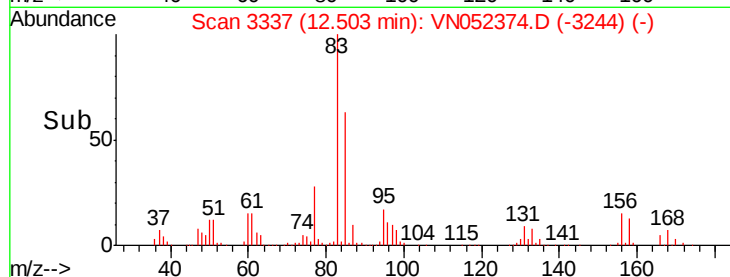
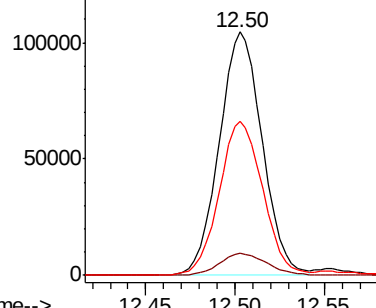
Tot Ion:	83	Resp:	175403
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.7	14.1
85	64.2	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 50.275 ug/l m

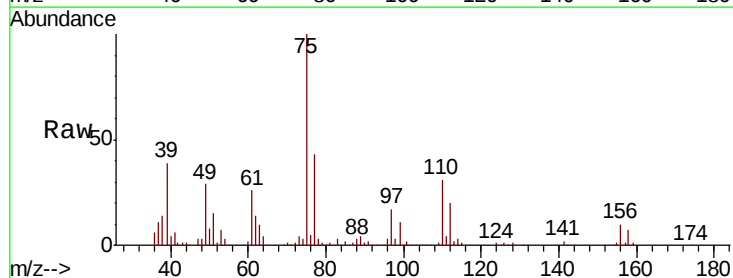
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

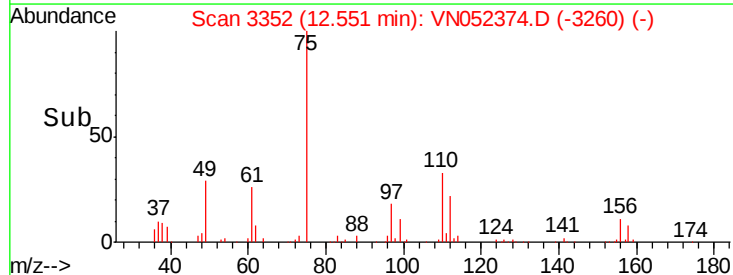
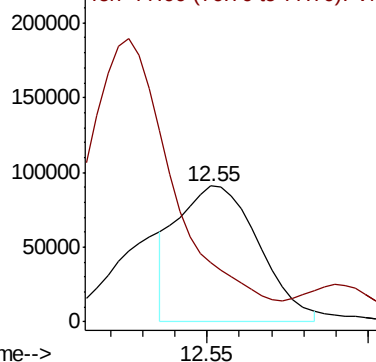
Lab File: VN052374.D

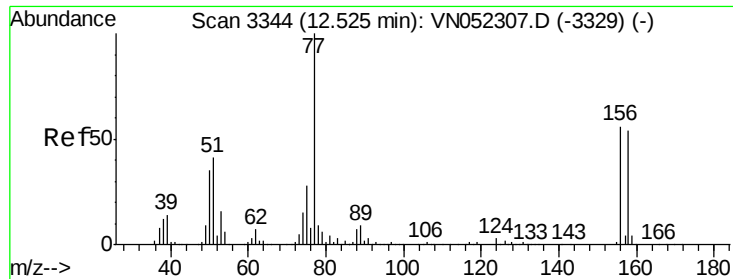
Acq: 16 Nov 2018 19:26

Tgt Ion:	75	Resp:	161958
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 52.019 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

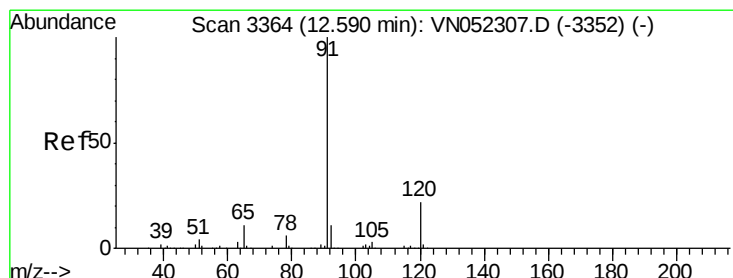
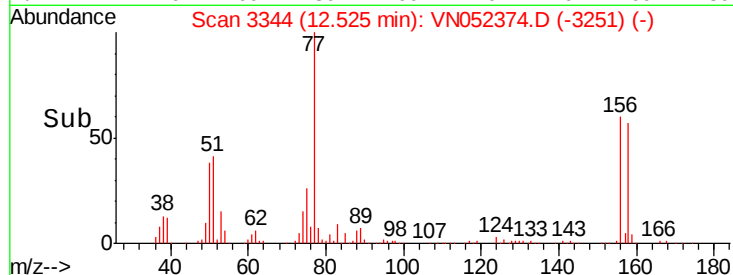
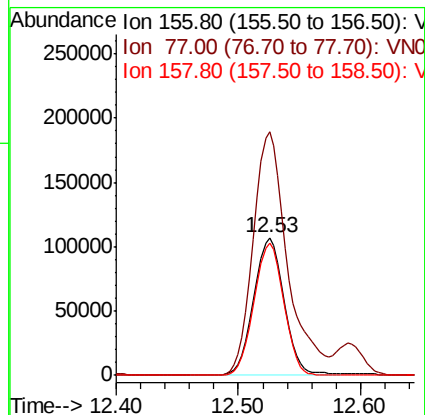
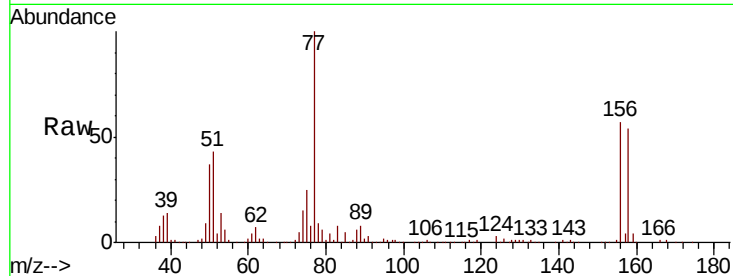
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	184752
Ion Ratio	Lower	Upper	
156	100		
77	198.3	103.6	310.9
158	93.1	48.1	144.4

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#78

n-propylbenzene

Concen: 51.163 ug/l

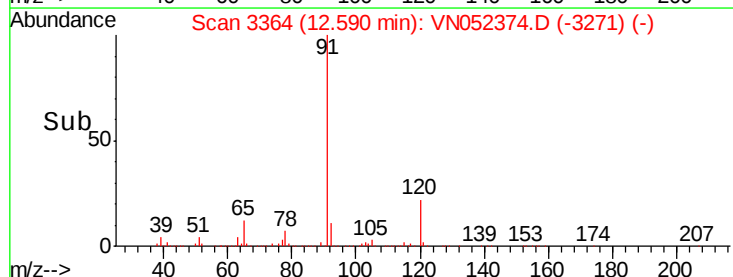
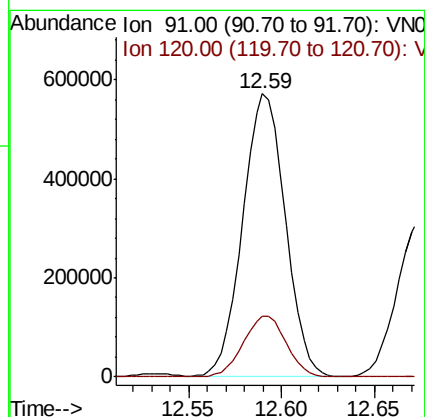
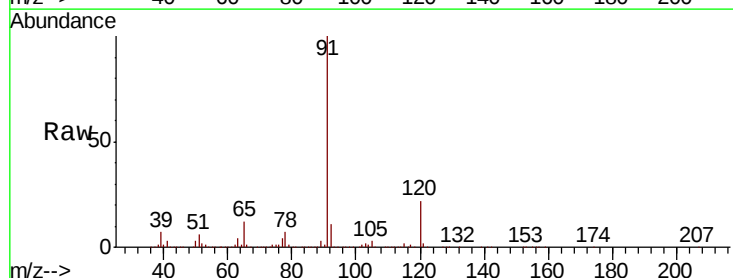
RT: 12.59 min Scan# 3364

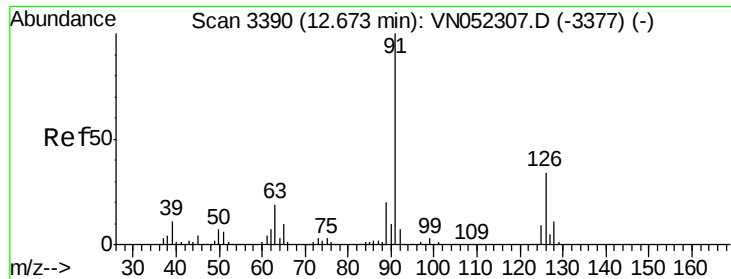
Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion:	91	Resp:	913356
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 523318

Ion Ratio Lower Upper

91 100

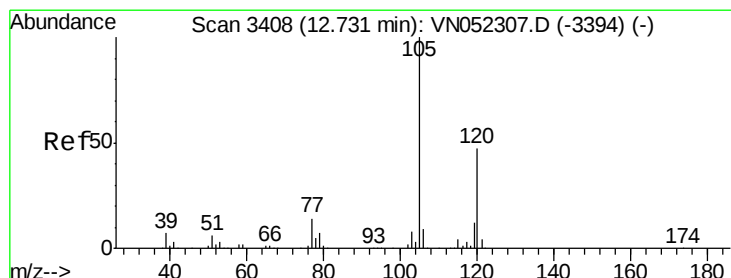
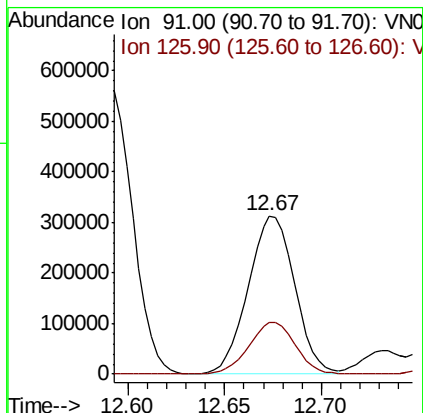
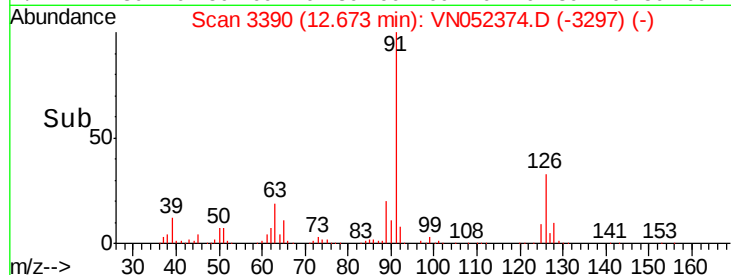
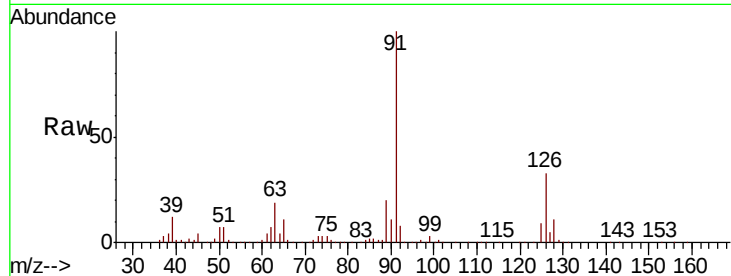
126 32.8 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.536 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052374.D

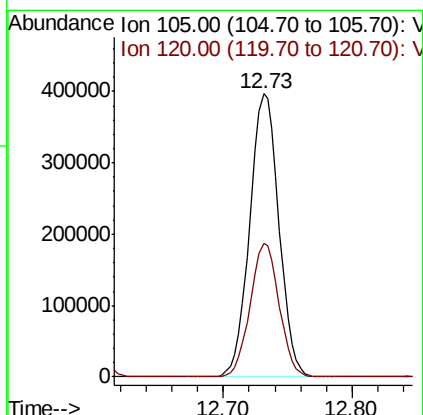
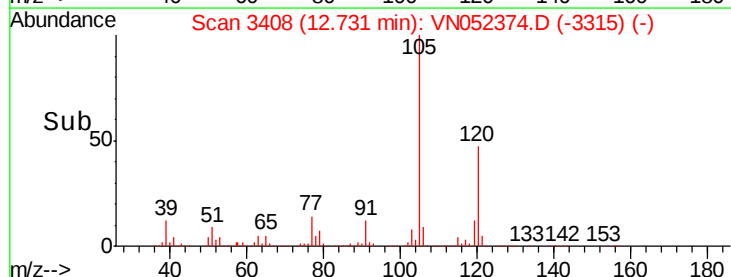
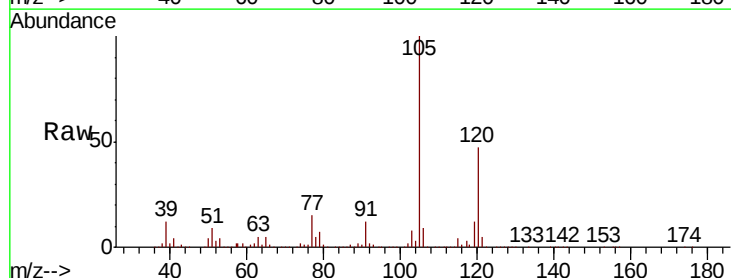
Acq: 16 Nov 2018 19:26

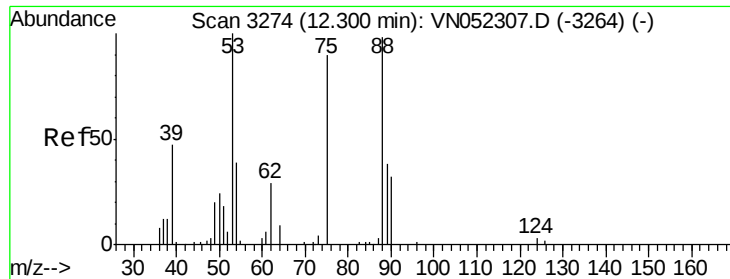
Tgt Ion: 105 Resp: 625576

Ion Ratio Lower Upper

105 100

120 47.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.166 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 47840

Ion Ratio Lower Upper

75 100

53 115.8 90.2 135.2

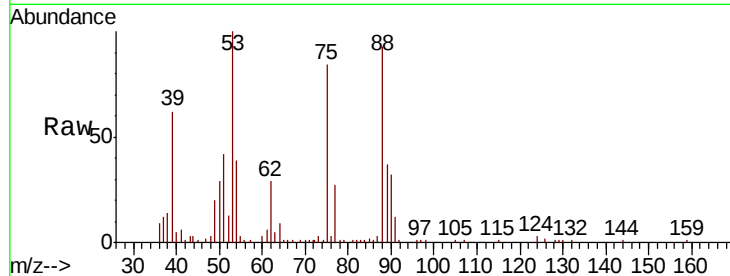
89 45.1 35.4 53.0

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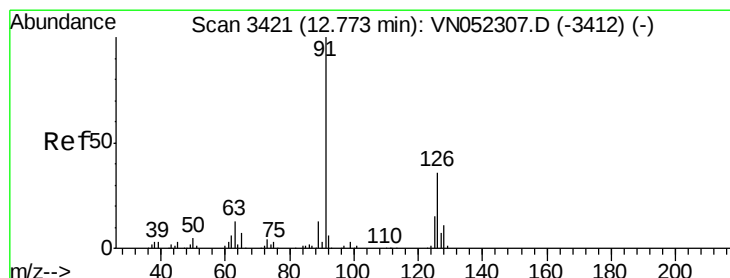
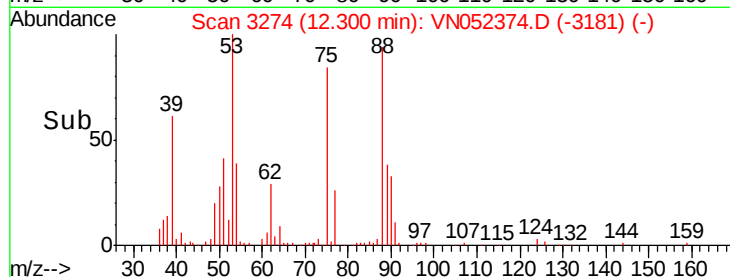
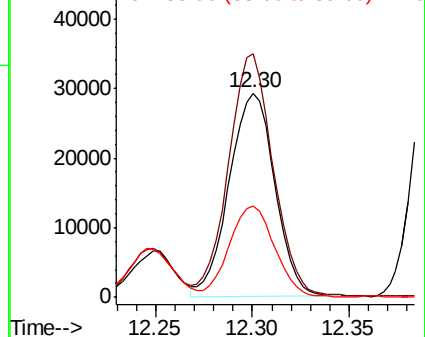
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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 50.808 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052374.D

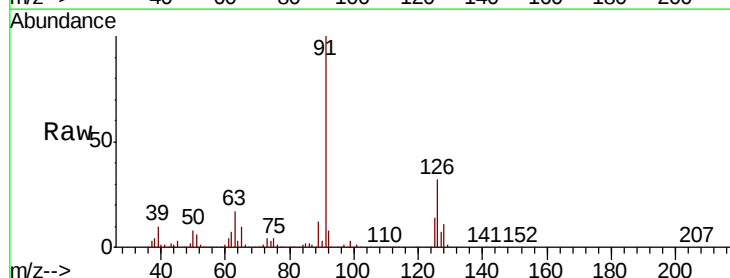
Acq: 16 Nov 2018 19:26

Tgt Ion: 91 Resp: 542863

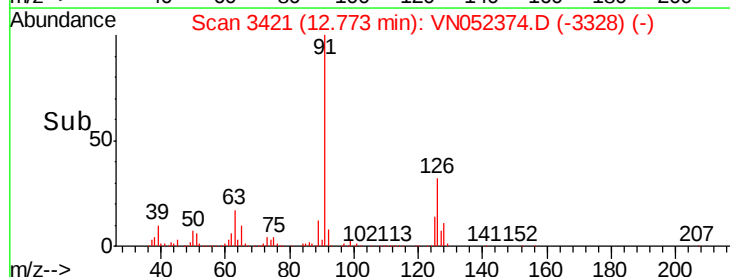
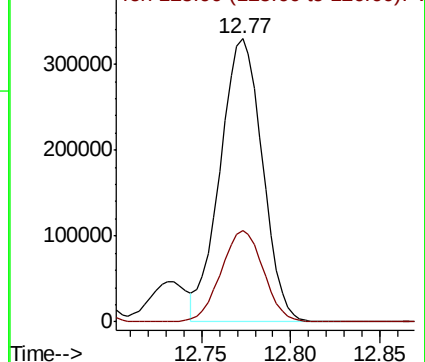
Ion Ratio Lower Upper

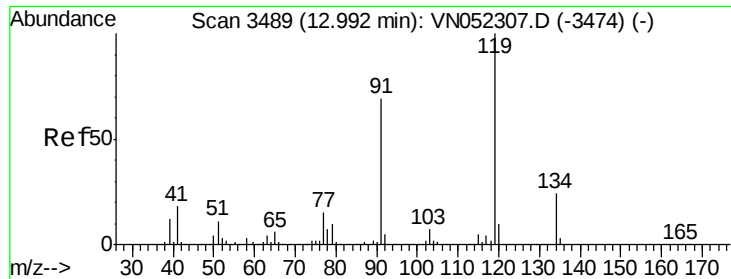
91 100

126 32.4 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





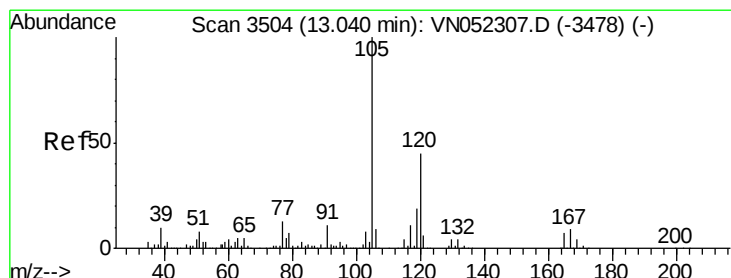
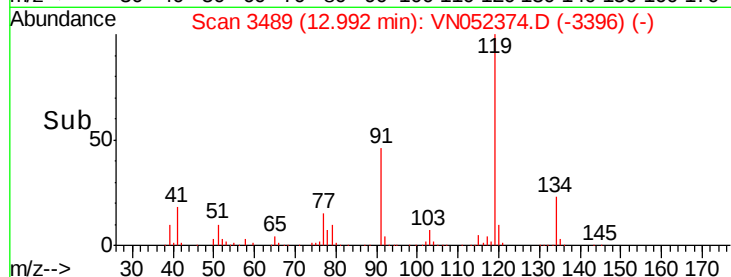
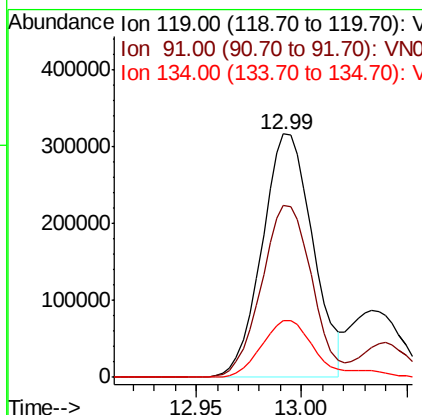
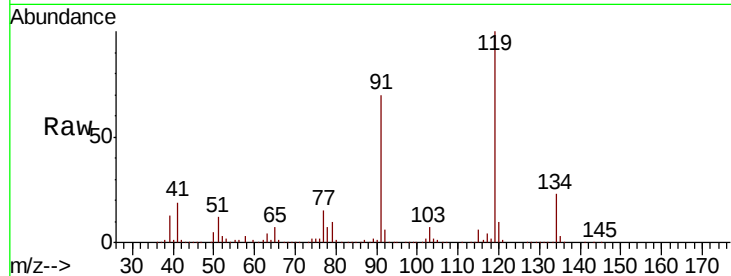
#83
tert-Butylbenzene
Concen: 49.584 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	33.8	101.3
134	25.8	11.9	35.9

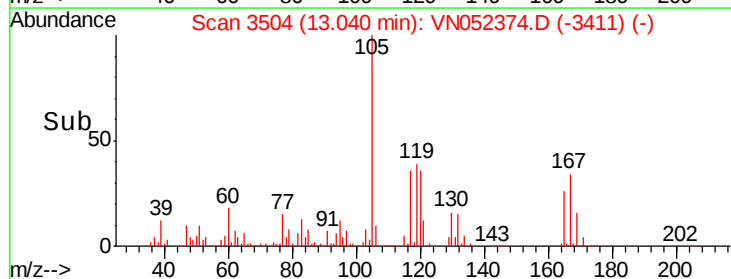
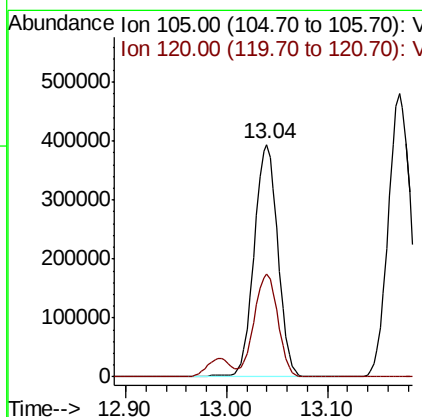
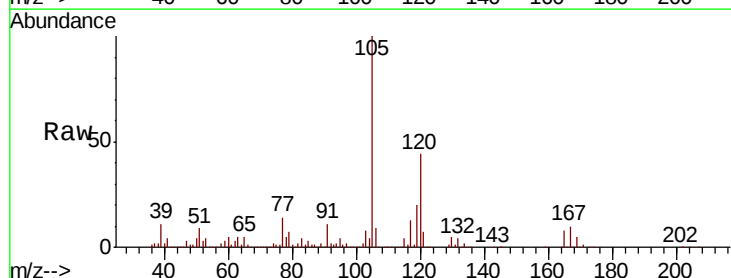
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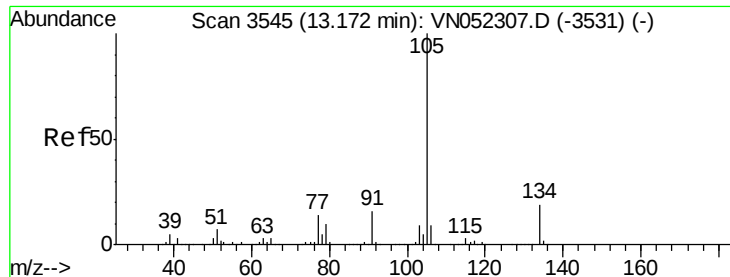
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#84
1,2,4-Trimethylbenzene
Concen: 52.287 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.5	67.5





#85

sec-Butylbenzene

Concen: 51.385 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 750131

Ion Ratio Lower Upper

105 100

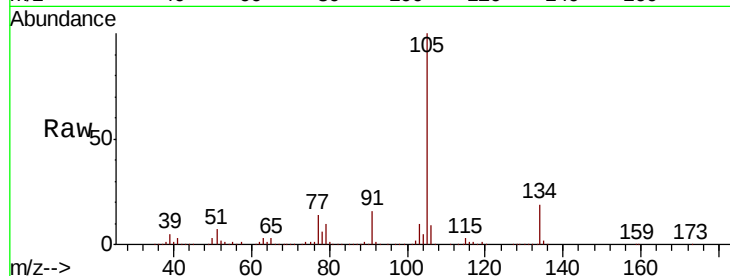
134 19.2 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

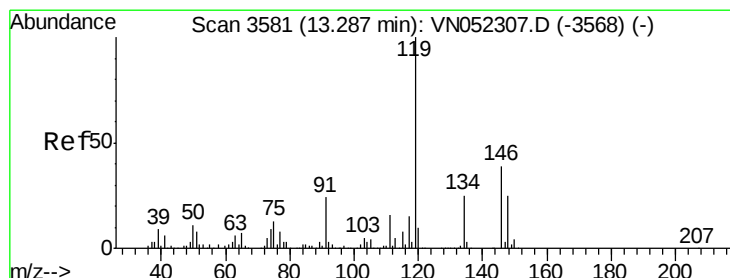
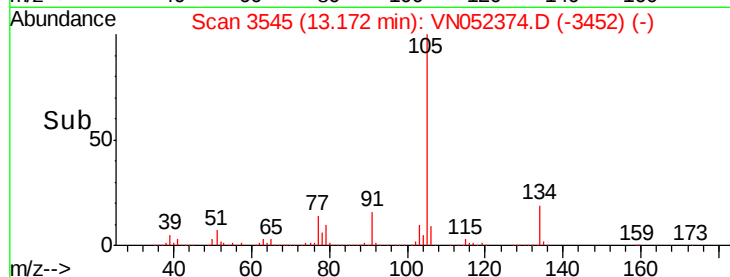
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.601 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

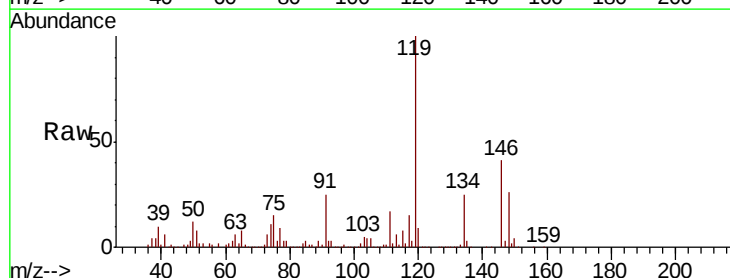
Tgt Ion:119 Resp: 638104

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 25.2 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

500000

400000

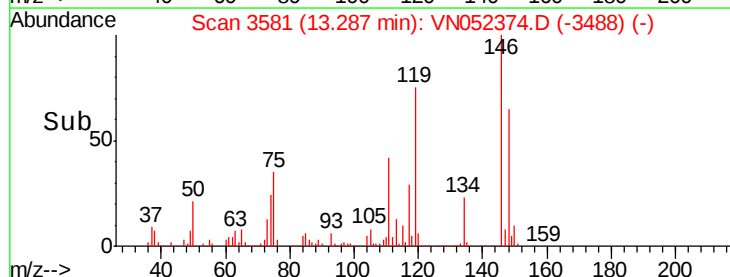
300000

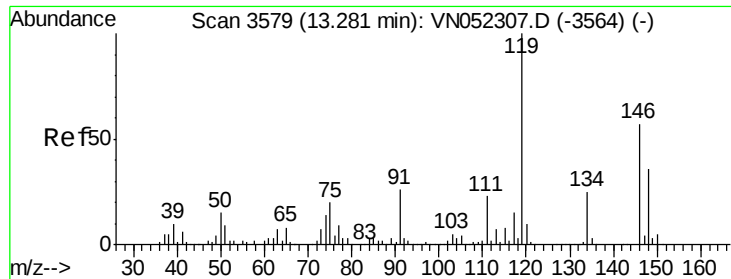
200000

100000

0

Time-->





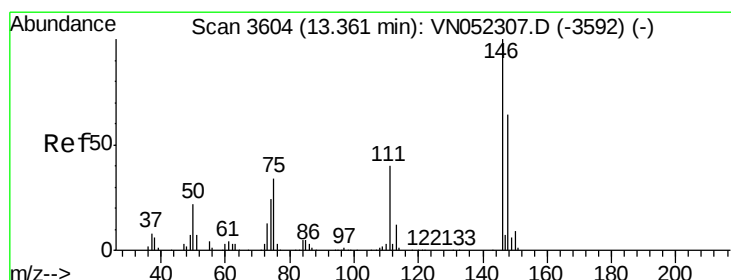
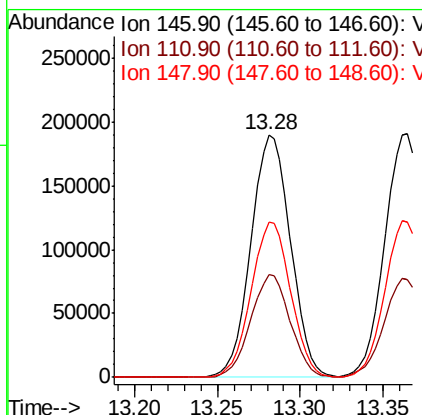
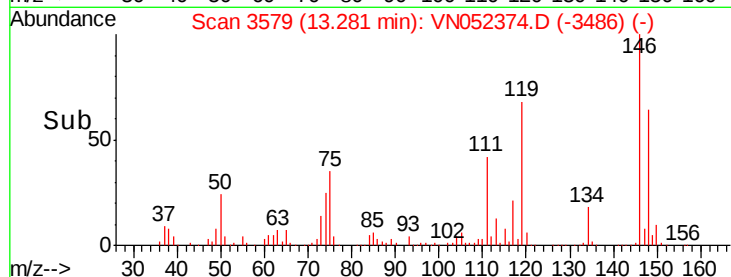
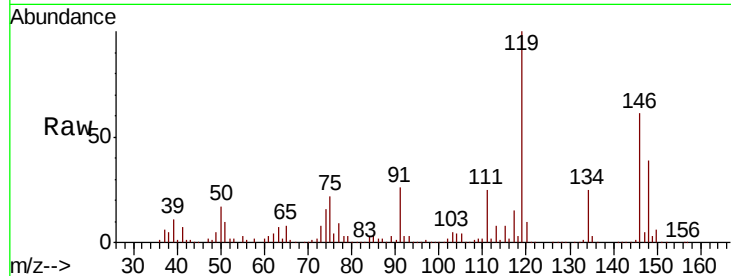
#87
 1,3-Dichlorobenzene
 Concen: 50.022 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	64.1	31.8	95.4

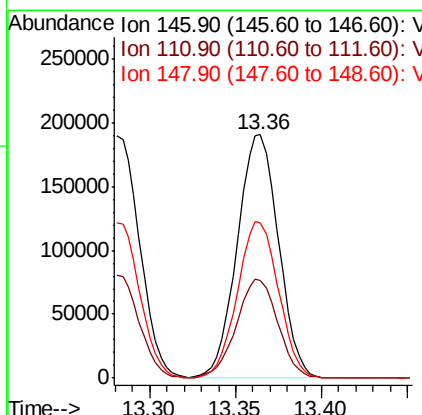
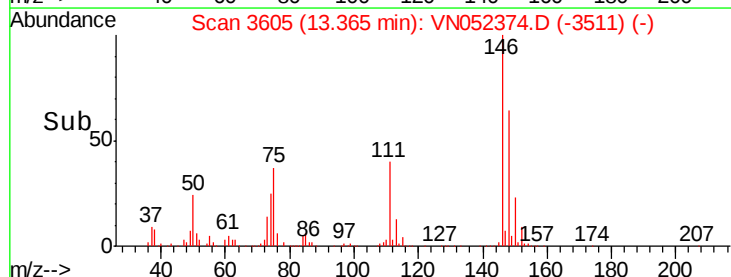
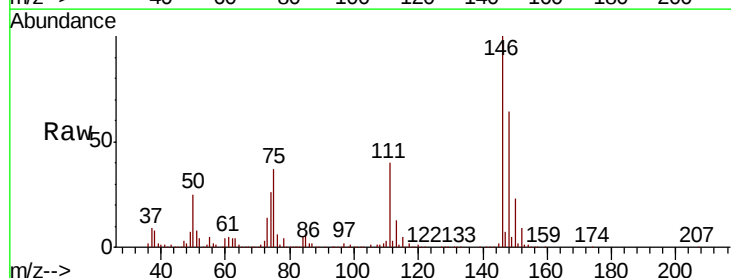
Manual Integrations
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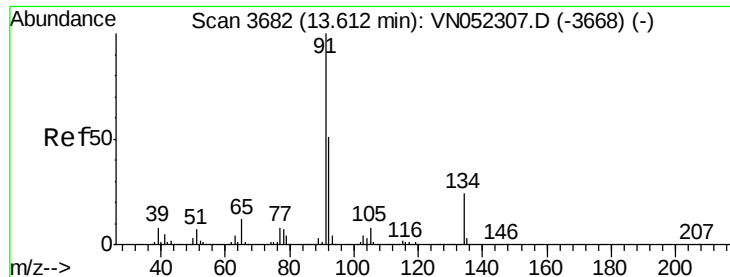
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#88
 1,4-Dichlorobenzene
 Concen: 50.506 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.3	32.4	97.2





#89

n-Butylbenzene

Concen: 54.873 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

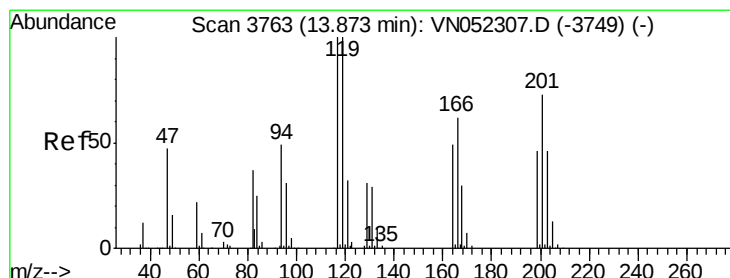
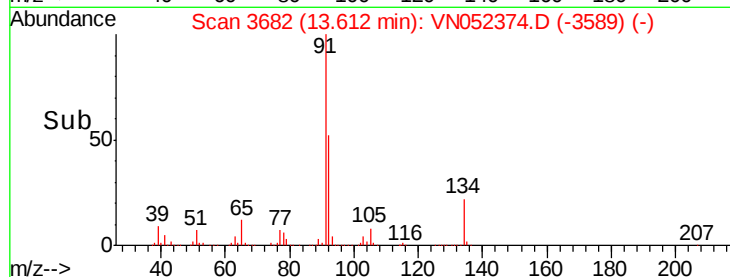
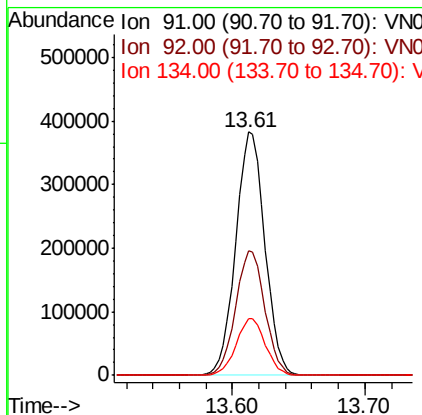
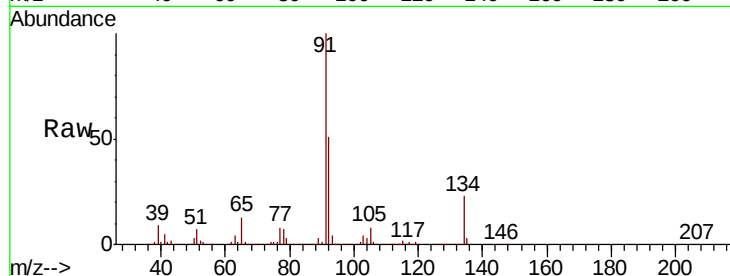
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	582793
Ion Ratio	Lower	Upper	
91	100		
92	51.3	25.4	76.2
134	23.5	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 51.376 ug/l

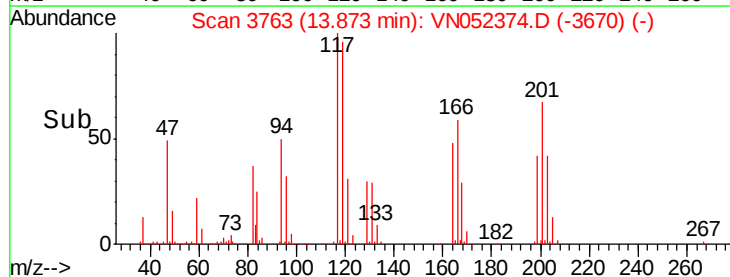
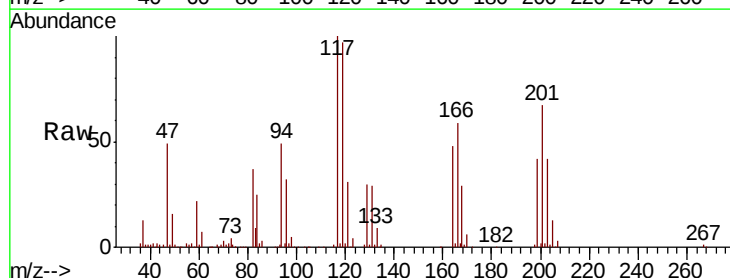
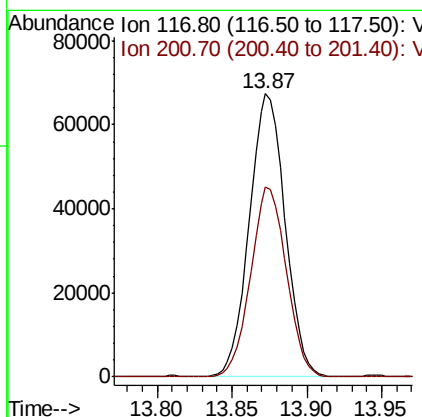
RT: 13.87 min Scan# 3763

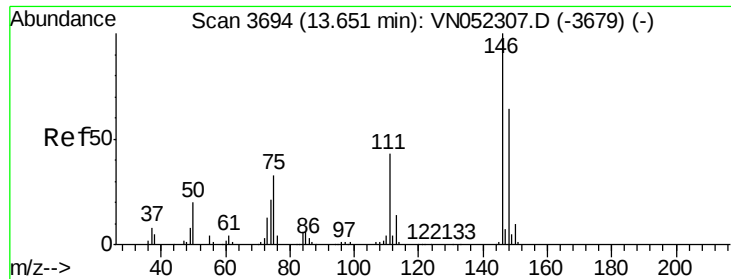
Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion:	117	Resp:	112527
Ion Ratio	Lower	Upper	
117	100		
201	66.6	35.3	105.9





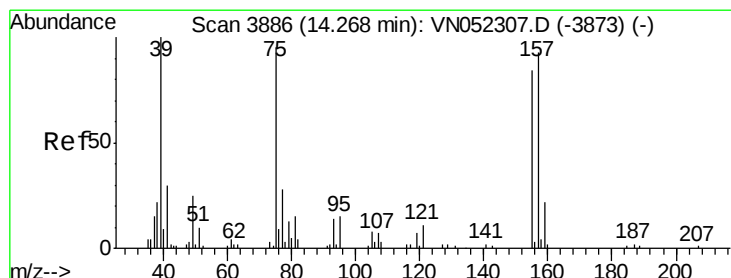
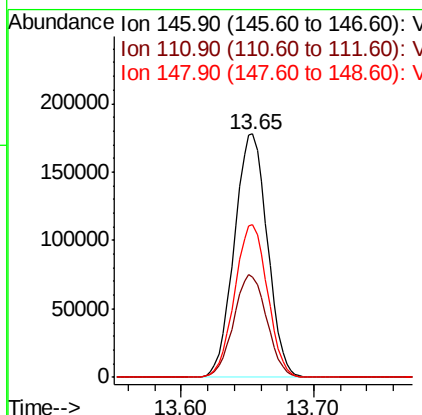
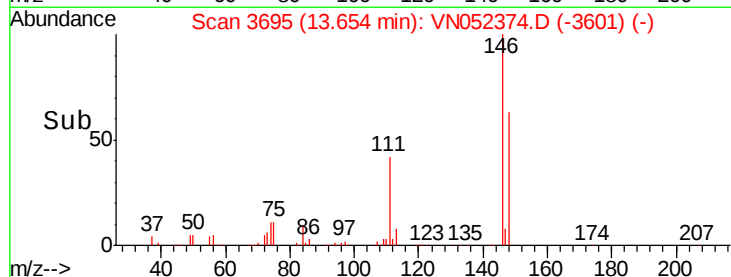
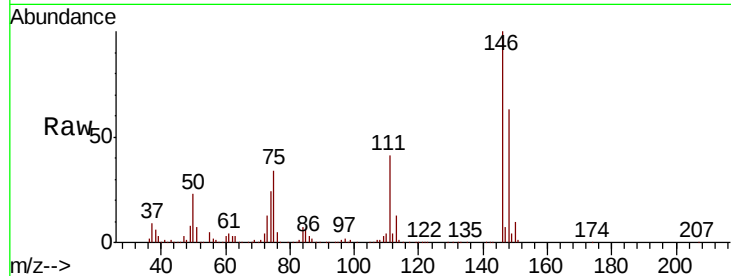
#91
 1,2-Dichlorobenzene
 Concen: 50.275 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	62.5	31.6	94.8

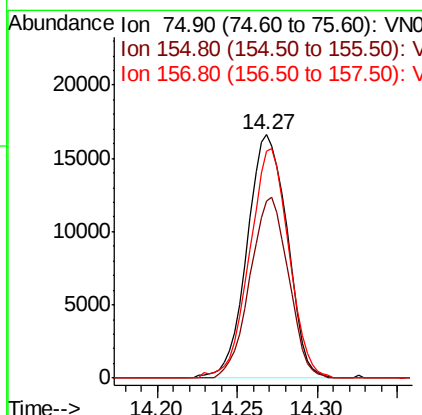
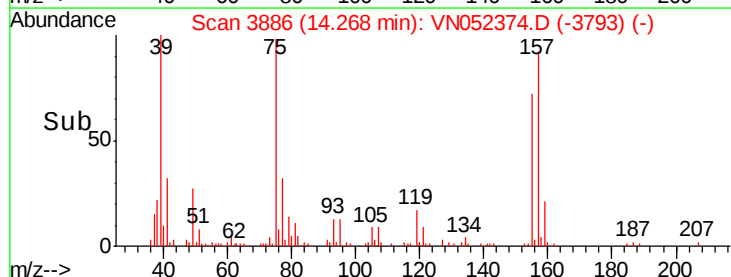
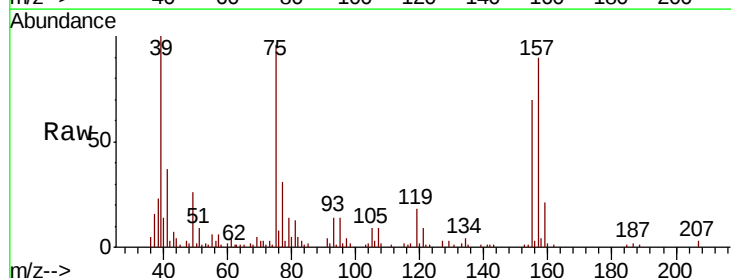
Manual Integrations
 APPROVED

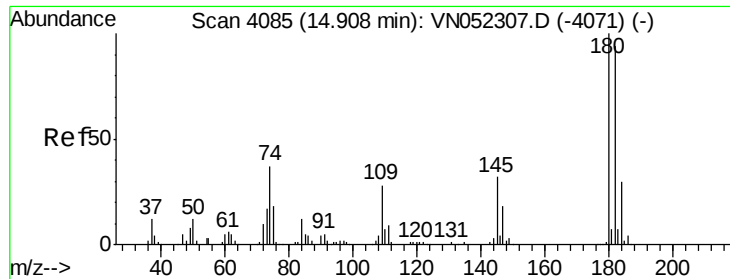
MMDadoda
 11/19/2018 12:46:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.502 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	42.4	127.3
157	92.2	49.6	149.0





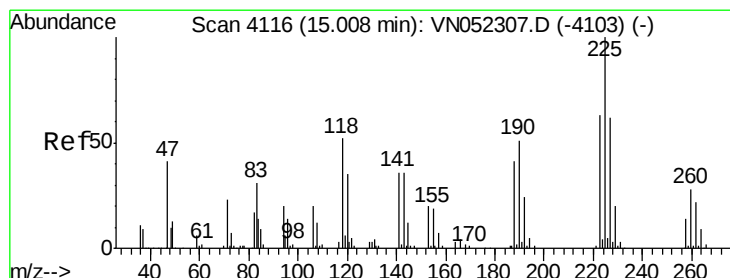
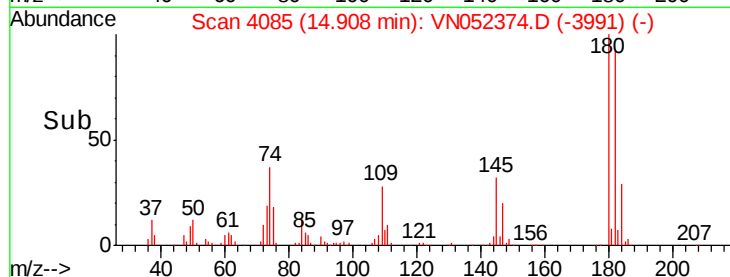
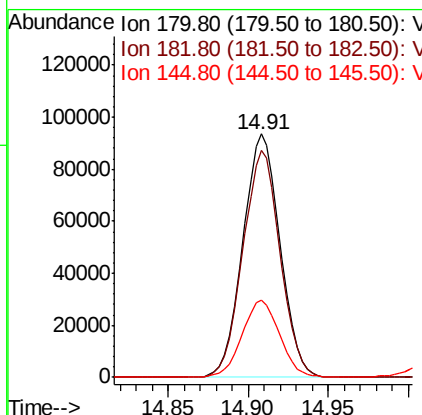
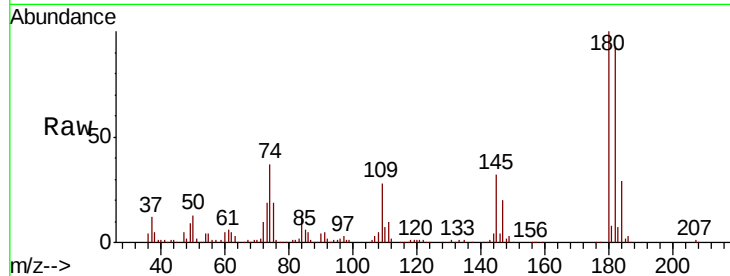
#93
 1,2,4-Trichlorobenzene
 Concen: 52.020 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148187		
182	93.7	47.6	142.9	
145	32.2	15.5	46.5	

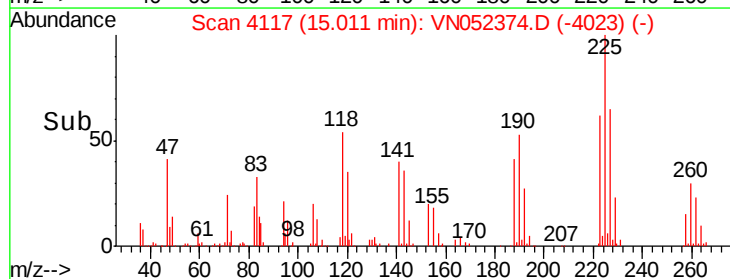
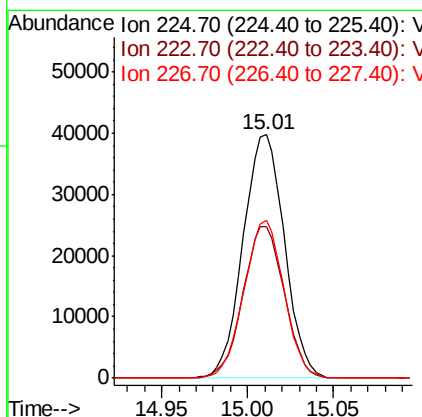
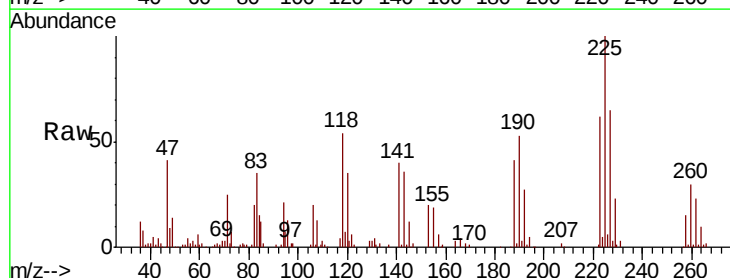
Manual Integrations
 APPROVED

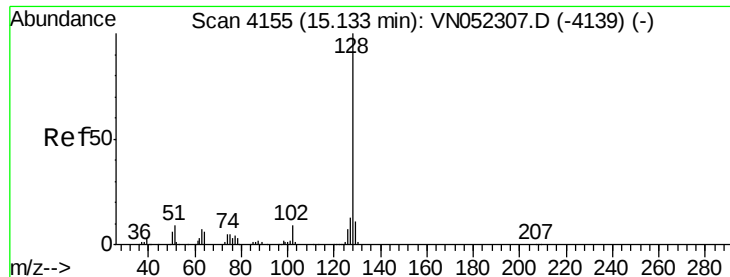
MMDadoda
 11/19/2018 12:46:27 PM



#94
 Hexachlorobutadiene
 Concen: 47.531 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66483		
223	61.8	31.9	95.5	
227	62.7	31.6	95.0	





#95

Naphthalene

Concen: 50.601 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

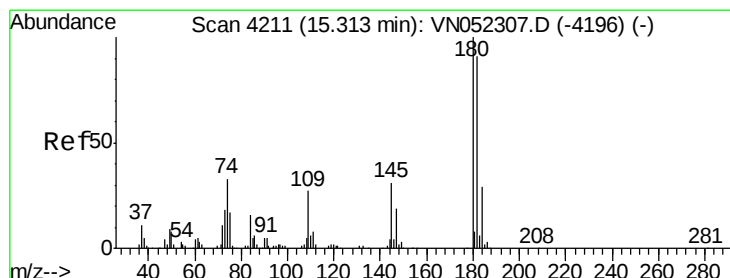
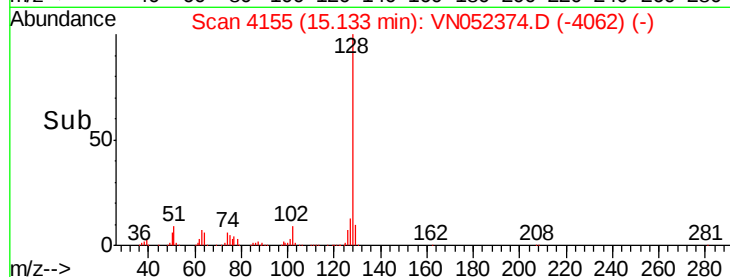
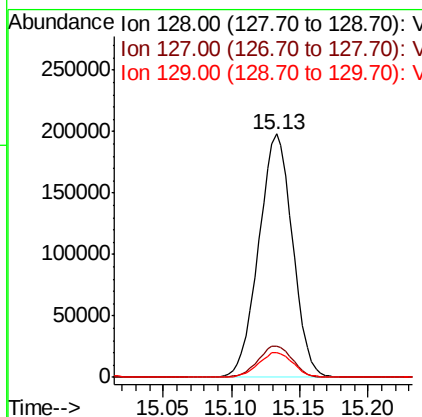
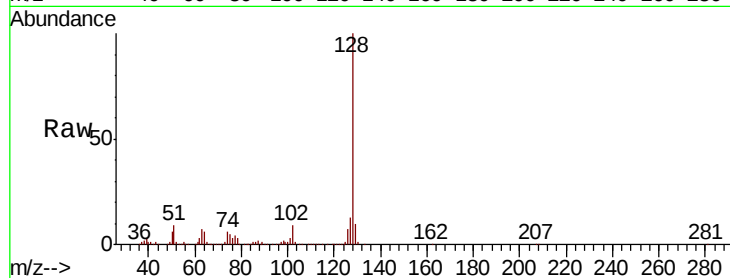
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	340296
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:46:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.413 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion:	180	Resp:	133318
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.5	139.3
145	34.3	16.4	49.2

