

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
 Data File : VN052376.D
 Acq On : 19 Nov 2018 10:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 11:39:07 AM

Quant Time: Nov 20 07:17:14 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	7.66	168	241785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	391886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	359155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172744	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	168832	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	132805	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.09	98	505687	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	177259	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	129773	50.65	ug/l	98
3) Chloromethane	2.06	50	168353	47.28	ug/l	97
4) Vinyl Chloride	2.19	62	149694	48.64	ug/l	98
5) Bromomethane	2.55	94	81716	42.59	ug/l	97
6) Chloroethane	2.70	64	89773	51.59	ug/l	99
7) Trichlorofluoromethane	3.02	101	217021	50.96	ug/l	97
8) Diethyl Ether	3.42	74	76995	47.43	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	133988	49.82	ug/l	99
10) Methyl Iodide	3.96	142	135079	37.40	ug/l	96
11) Tert butyl alcohol	4.78	59	35699	197.95	ug/l	98
12) 1,1-Dichloroethene	3.74	96	116684	46.88	ug/l	97
13) Acrolein	3.61	56	44734	171.90	ug/l	98
14) Allyl chloride	4.33	41	254609	49.82	ug/l	96
15) Acrylonitrile	4.99	53	235572	228.76	ug/l	99
16) Acetone	3.82	43	231354	246.06	ug/l	95
17) Carbon Disulfide	4.06	76	367080	51.43	ug/l	98
18) Methyl Acetate	4.33	43	115518	43.90	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	346963	48.51	ug/l	98
20) Methylene Chloride	4.56	84	139624	48.79	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	125839	46.96	ug/l	97
22) Diisopropyl ether	5.95	45	518826	49.75	ug/l	99
23) Vinyl Acetate	5.90	43	1555161	219.85	ug/l	99
24) 1,1-Dichloroethane	5.85	63	267714	47.88	ug/l	98
25) 2-Butanone	6.83	43	313868	237.16	ug/l	97
26) 2,2-Dichloropropane	6.83	77	198208	48.21	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	148335	47.55	ug/l	96
28) Bromochloromethane	7.19	49	139476	48.51	ug/l	97
29) Tetrahydrofuran	7.21	42	196130	225.59	ug/l	99
30) Chloroform	7.37	83	262238	49.21	ug/l	96
31) Cyclohexane	7.65	56	251833	48.48	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	222380	48.99	ug/l	97
36) 1,1-Dichloropropene	7.79	75	203060	51.70	ug/l	99
37) Ethyl Acetate	6.93	43	124957	43.83	ug/l #	96
38) Carbon Tetrachloride	7.77	117	199771	55.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	235457	52.51	ug/l	99
40) Benzene	8.04	78	566418	50.48	ug/l	98
41) Methacrylonitrile	7.17	41	69500	44.35	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	208133	52.02	ug/l	99
43) Isopropyl Acetate	8.16	43	227626	41.38	ug/l	99
44) Trichloroethene	8.83	130	140201	50.72	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159597	50.12	ug/l	100
46) Dibromomethane	9.21	93	90729	49.22	ug/l	97
47) Bromodichloromethane	9.40	83	207300	54.80	ug/l	97
48) Methyl methacrylate	9.20	41	117439	42.08	ug/l	97
49) 1,4-Dioxane	9.20	88	20495	956.53	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	660484	238.54	ug/l	100
52) Toluene	10.15	92	348847	51.97	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	195989	51.37	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	230461	52.99	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	118445	48.67	ug/l	97
56) Ethyl methacrylate	10.43	69	138191	43.18	ug/l	96
57) 1,3-Dichloropropane	10.71	76	215089	49.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	458249	251.51	ug/l	99
59) 2-Hexanone	10.75	43	459619	241.33	ug/l	99
60) Dibromochloromethane	10.90	129	140419	53.33	ug/l	98
61) 1,2-Dibromoethane	11.00	107	115835	47.79	ug/l	96
64) Tetrachloroethene	10.63	164	125529	49.16	ug/l	99
65) Chlorobenzene	11.43	112	381220	50.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	134929	52.12	ug/l	100
67) Ethyl Benzene	11.51	91	695208	52.76	ug/l	100
68) m/p-Xylenes	11.62	106	521455	108.31	ug/l	100
69) o-Xylene	11.94	106	250068	54.19	ug/l	98
70) Styrene	11.96	104	409561	55.43	ug/l	99
71) Bromoform	12.12	173	86164	56.37	ug/l #	97
73) Isopropylbenzene	12.25	105	685680	49.37	ug/l	99
74) N-amyl acetate	12.07	43	192974	39.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	147349	43.89	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127297m	43.43	ug/l	
77) Bromobenzene	12.52	156	153726	47.57	ug/l	99
78) n-propylbenzene	12.59	91	829287	51.06	ug/l	100
79) 2-Chlorotoluene	12.67	91	470782	49.61	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	577523	52.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40532	44.85	ug/l	94
82) 4-Chlorotoluene	12.77	91	492958	50.71	ug/l	98
83) tert-Butylbenzene	12.99	119	504106	51.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	586082	52.86	ug/l	100
85) sec-Butylbenzene	13.17	105	703667	52.98	ug/l	99
86) p-Isopropyltoluene	13.28	119	606167	53.87	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	291903	50.86	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286339	50.18	ug/l	99
89) n-Butylbenzene	13.61	91	553864	57.31	ug/l	99
90) Hexachloroethane	13.87	117	106936	53.66	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	277177	49.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	23513	47.49	ug/l	93

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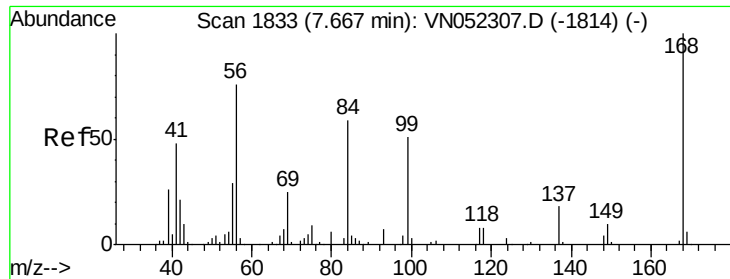
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	124046	48.04	ug/l	100
94) Hexachlorobutadiene	15.01	225	75440	59.28	ug/l	100
95) Naphthalene	15.13	128	260889	43.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	107746	51.00	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 241785

Ion Ratio Lower Upper

168 100

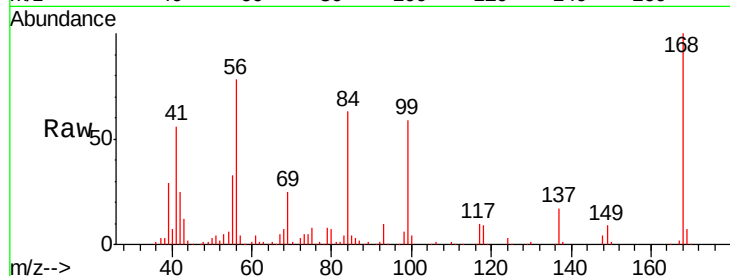
99 58.8 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

100000

80000

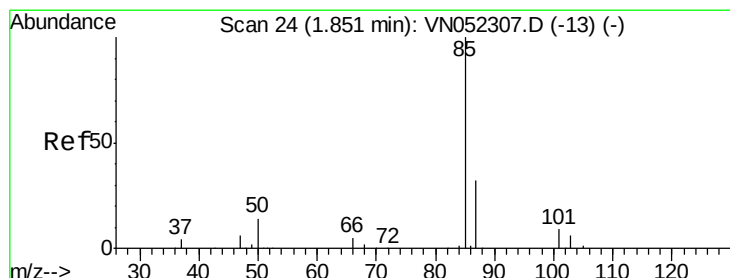
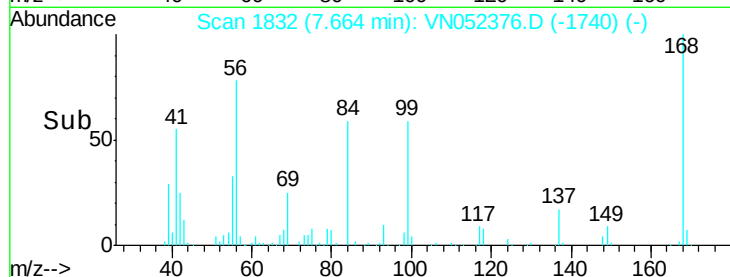
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.65 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052376.D

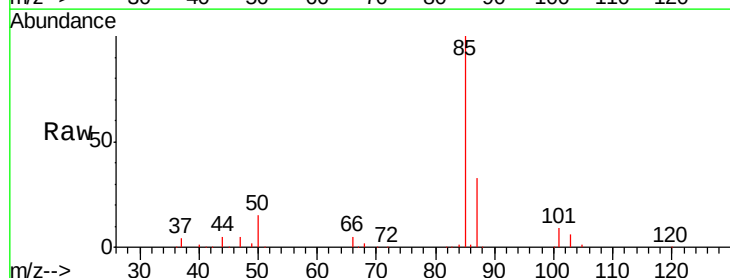
Acq: 19 Nov 2018 10:18

Tgt Ion: 85 Resp: 129773

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

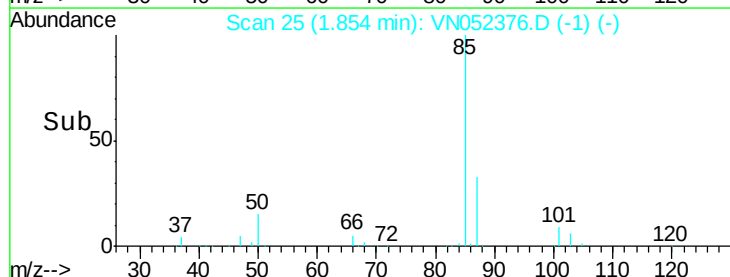
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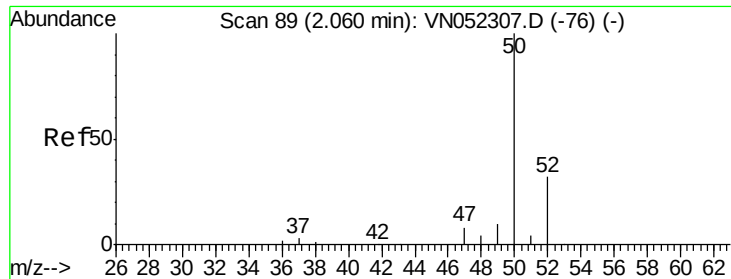
40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.28 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 168353

Ion Ratio Lower Upper

50 100

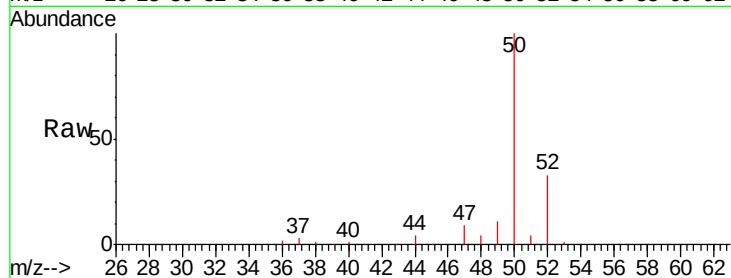
52 33.4 25.5 38.3

Manual Integrations

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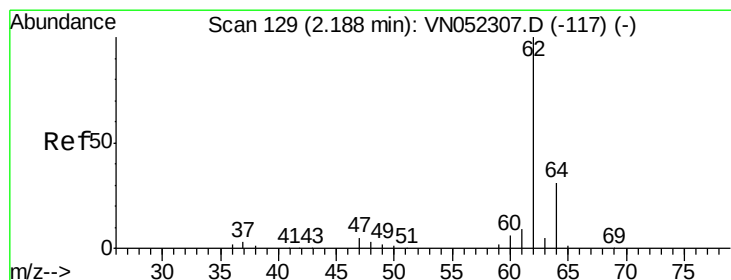
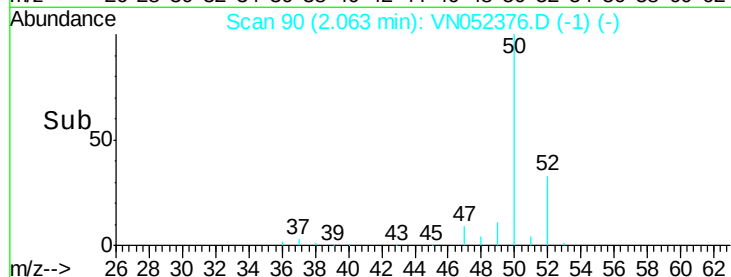
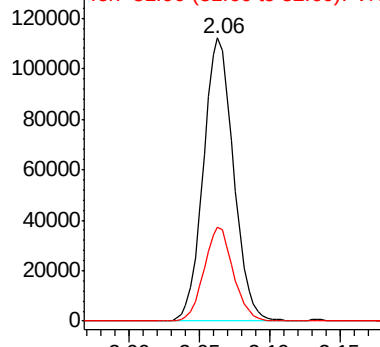
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.64 ug/l

RT: 2.19 min Scan# 131

Delta R.T. 0.01 min

Lab File: VN052376.D

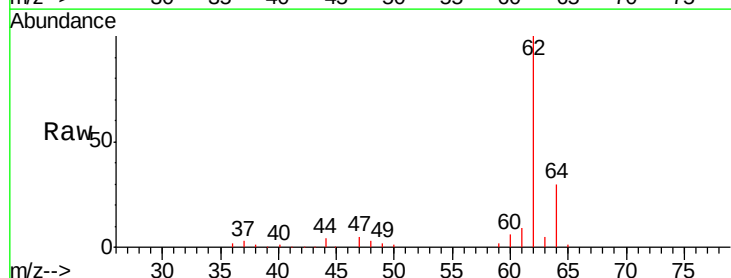
Acq: 19 Nov 2018 10:18

Tgt Ion: 62 Resp: 149694

Ion Ratio Lower Upper

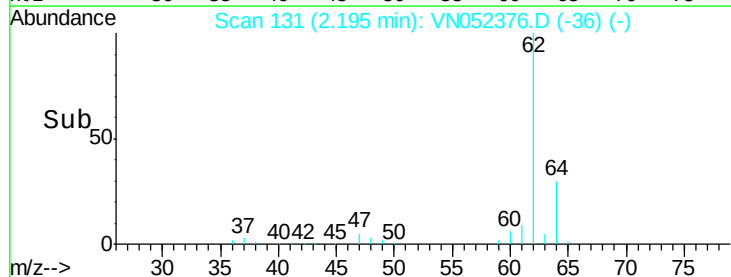
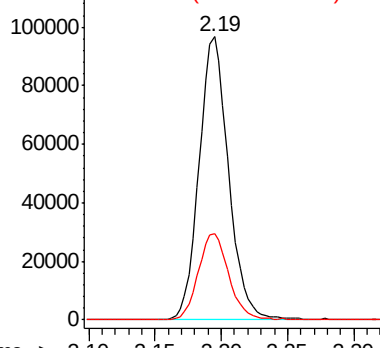
62 100

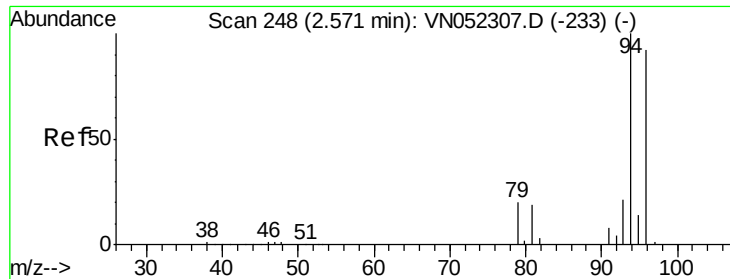
64 30.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.59 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

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Acq: 19 Nov 2018 10:18

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ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 81716

Ion Ratio Lower Upper

94 100

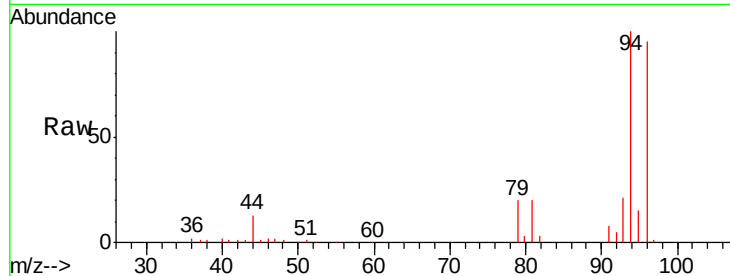
96 94.7 73.6 110.4

Manual Integrations

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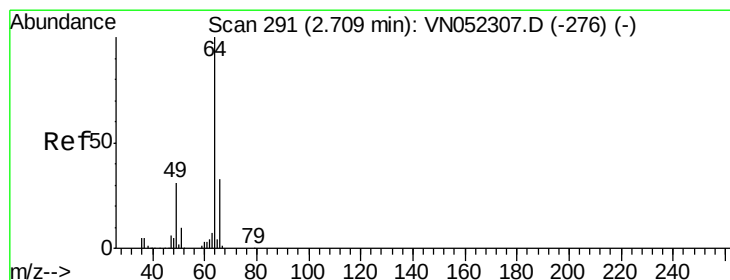
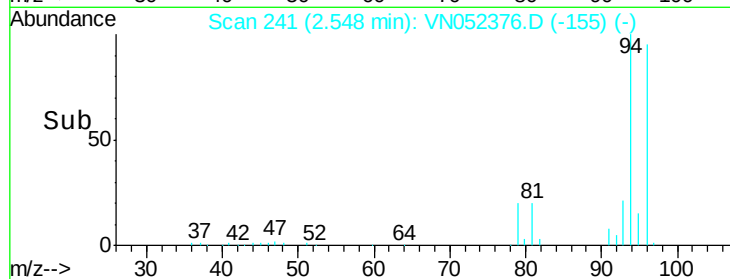
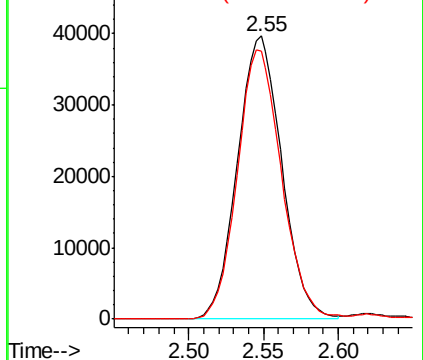
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.59 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN052376.D

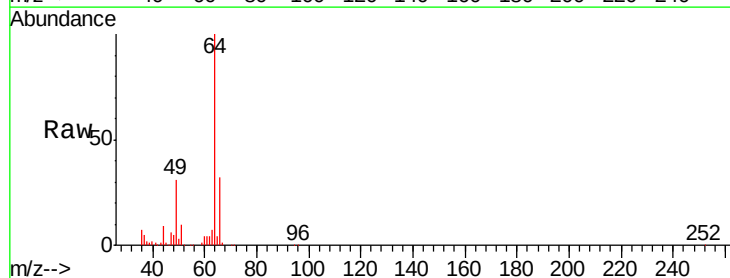
Acq: 19 Nov 2018 10:18

Tgt Ion: 64 Resp: 89773

Ion Ratio Lower Upper

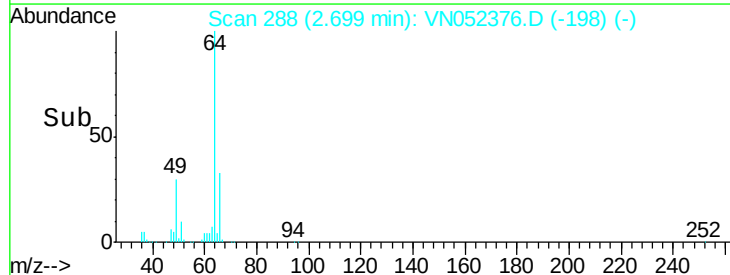
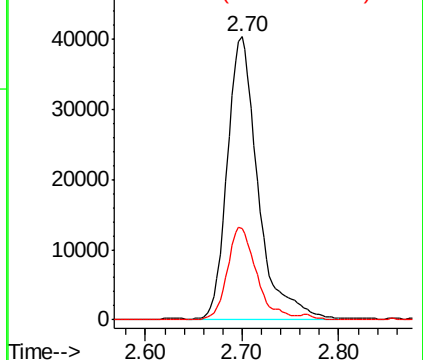
64 100

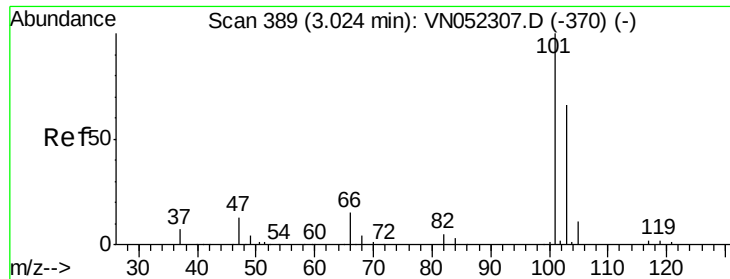
66 32.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

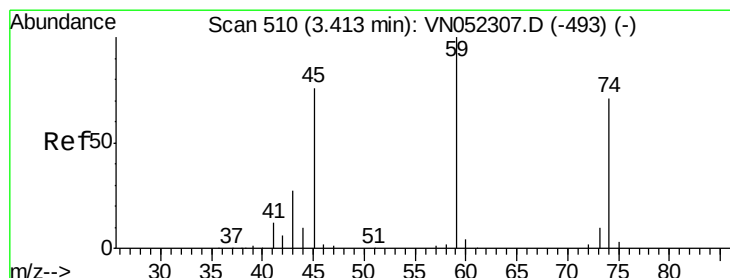
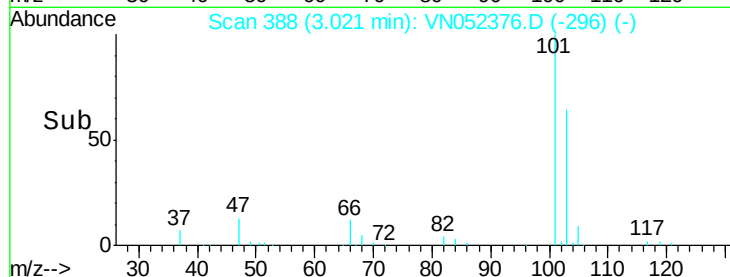
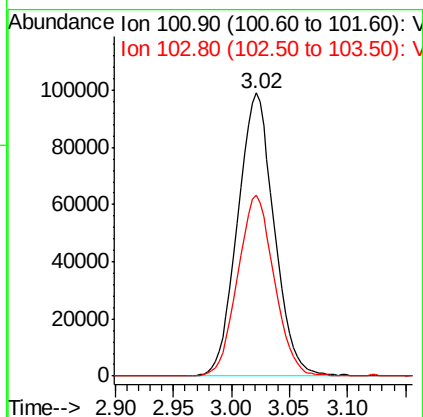
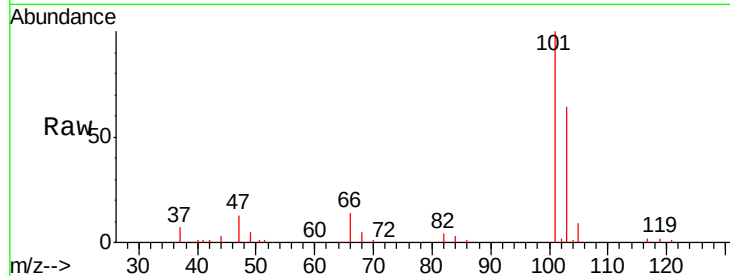
Trichlorofluoromethane
Concen: 50.96 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

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VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.8	79.2

Manual Integrations
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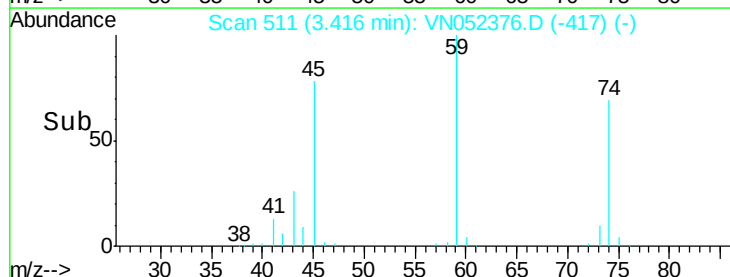
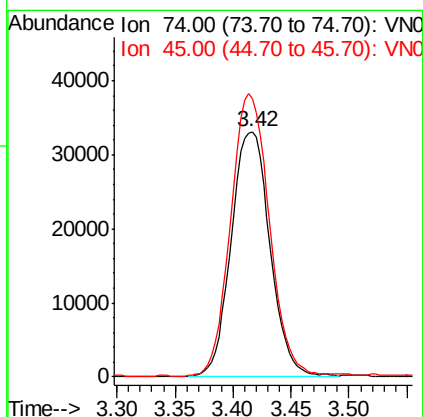
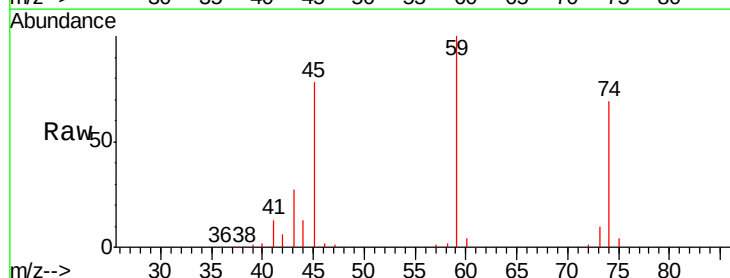
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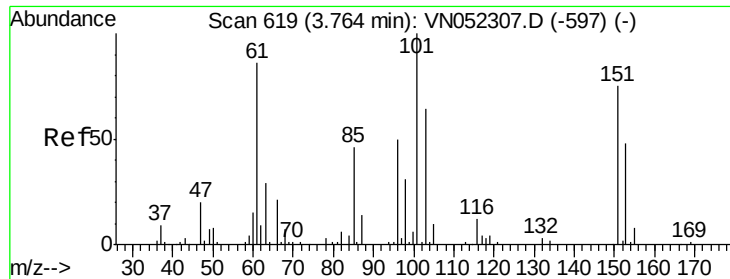


#8

Diethyl Ether
Concen: 47.43 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	54.3	162.9





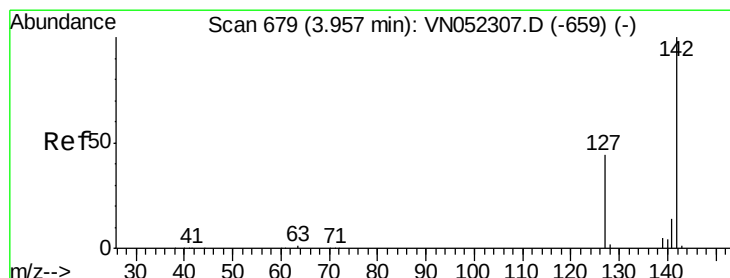
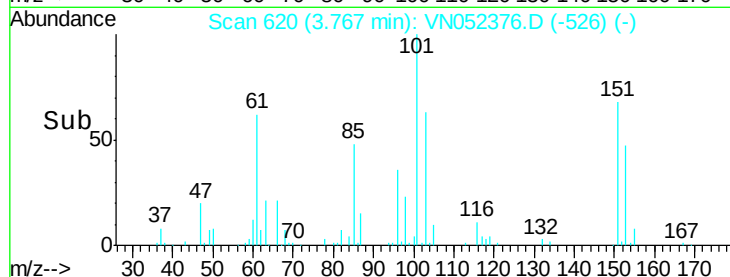
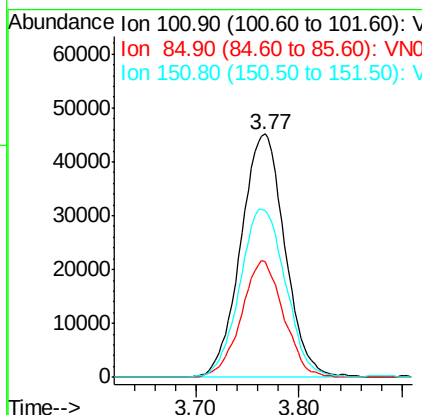
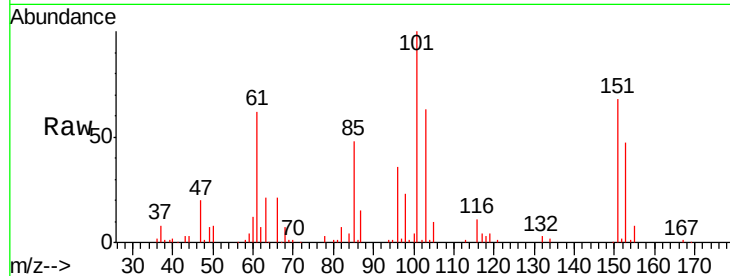
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.82 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	133988		
85	46.1	37.4	56.0	
151	72.0	58.6	88.0	

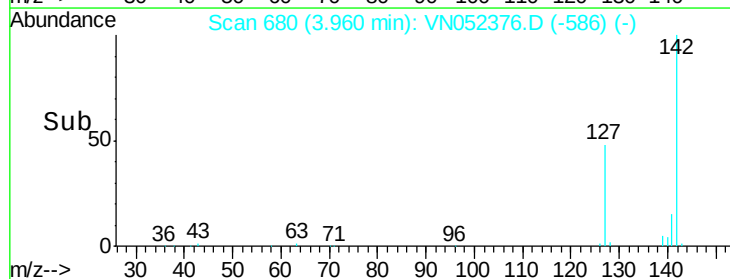
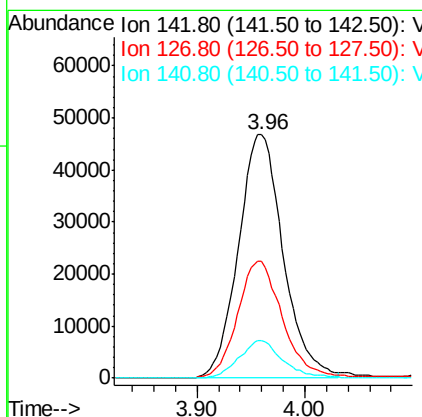
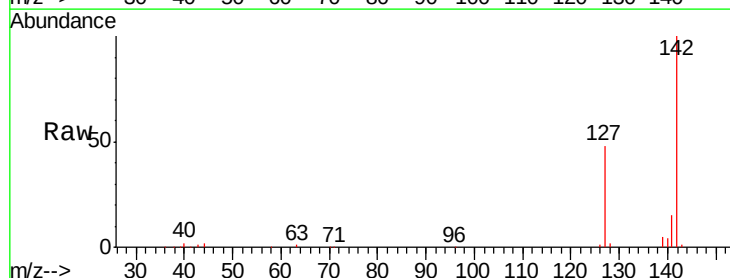
Manual Integrations
 APPROVED

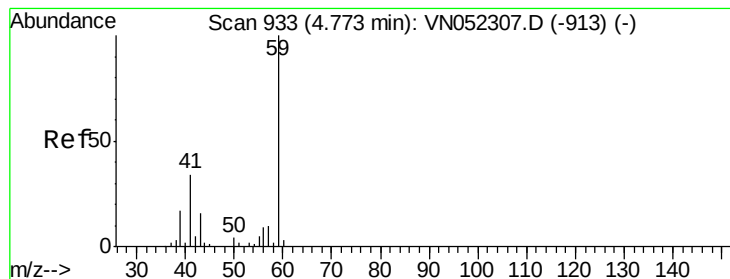
MMDadoda
 11/20/2018 11:39:07 AM



#10
 Methyl Iodide
 Concen: 37.40 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	135079		
127	48.2	36.3	54.5	
141	15.2	11.4	17.2	





#11

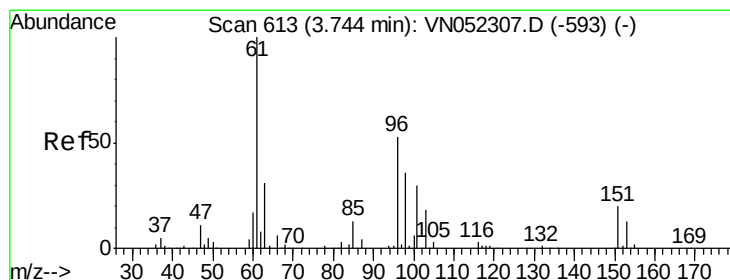
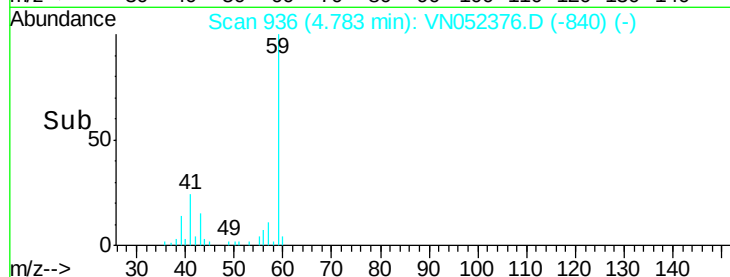
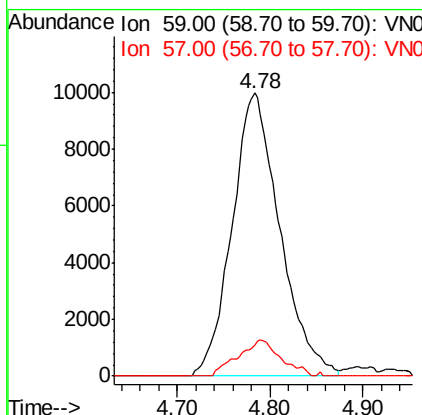
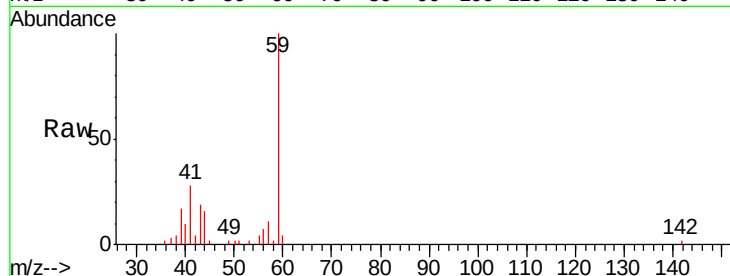
Tert butyl alcohol
Concen: 197.95 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 35699
Ion Ratio Lower Upper
59 100
57 11.5 8.5 12.7

Manual Integrations
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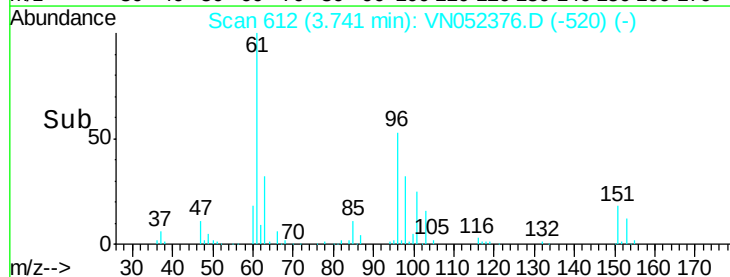
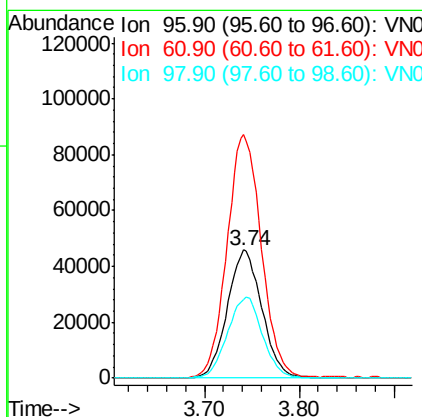
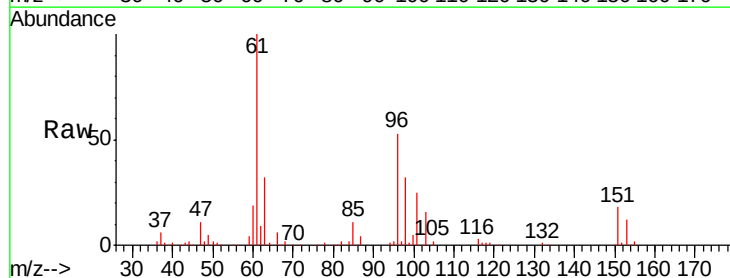
MMDadoda
11/20/2018 11:39:07 AM

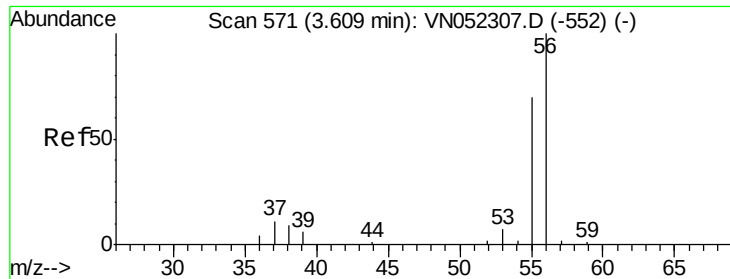


#12

1,1-Dichloroethene
Concen: 46.88 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 96 Resp: 116684
Ion Ratio Lower Upper
96 100
61 189.3 149.6 224.4
98 61.2 54.2 81.2





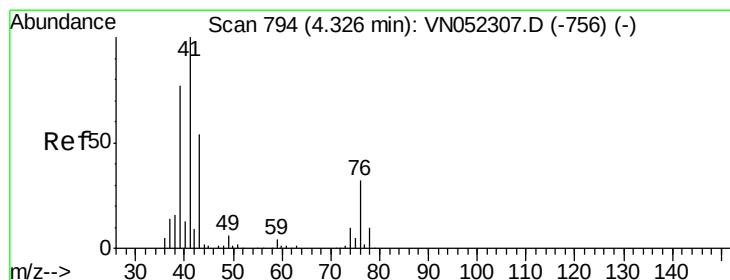
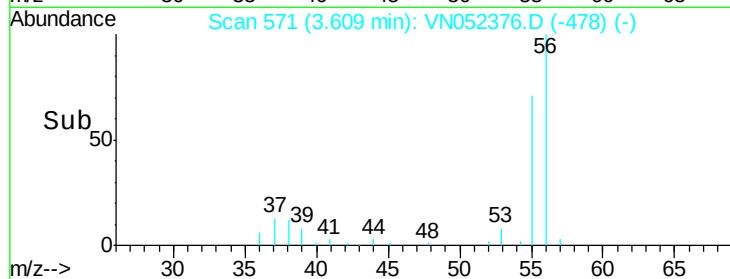
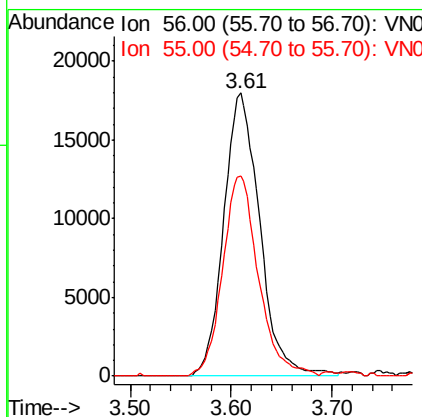
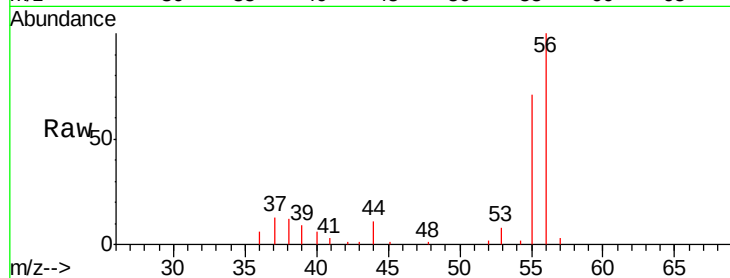
#13
 Acrolein
 Concen: 171.90 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.6	86.4

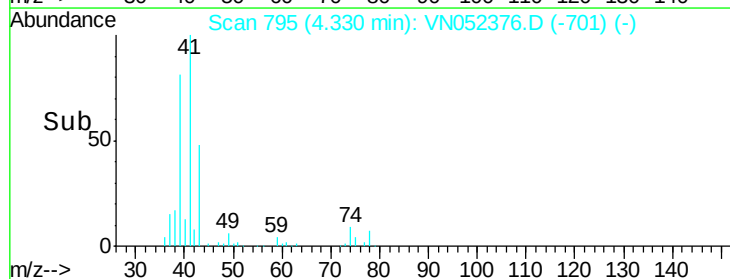
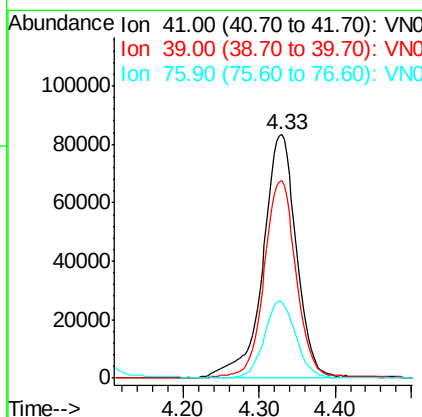
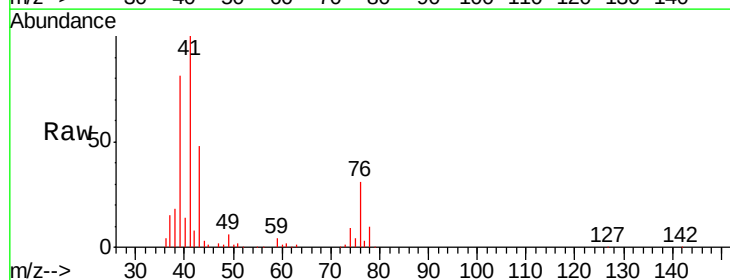
Manual Integrations
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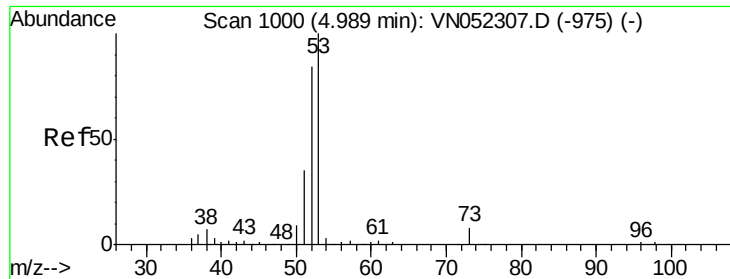
MMDadoda
 11/20/2018 11:39:07 AM



#14
 Allyl chloride
 Concen: 49.82 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.2	59.1	88.7
76	29.1	24.1	36.1





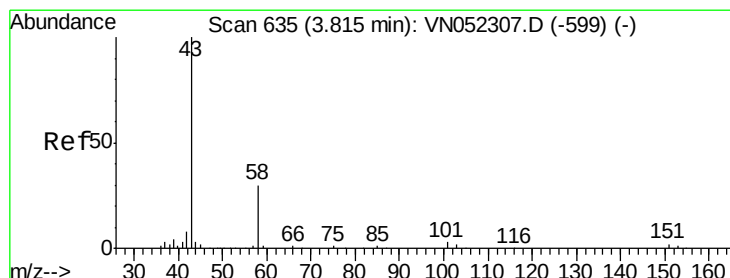
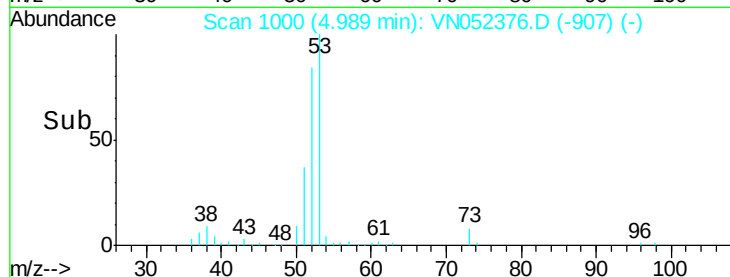
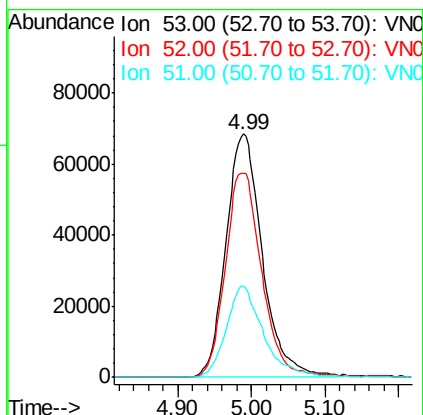
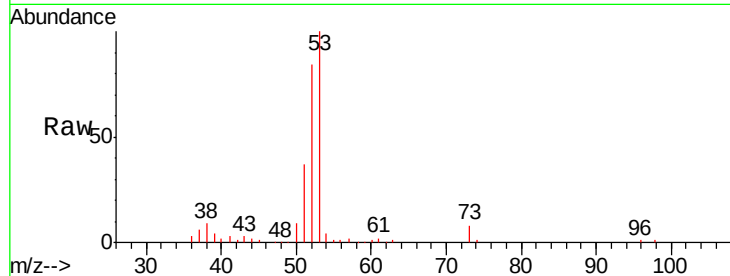
#15
 Acrylonitrile
 Concen: 228.76 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.5	101.3
51	38.3	29.9	44.9

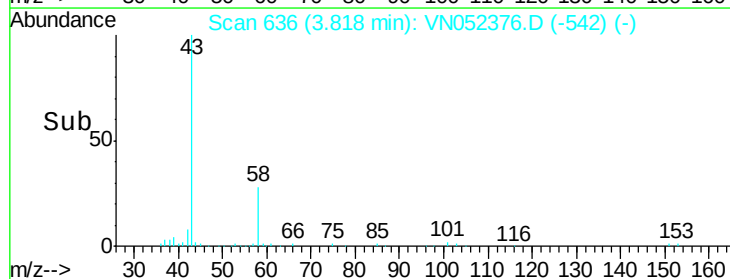
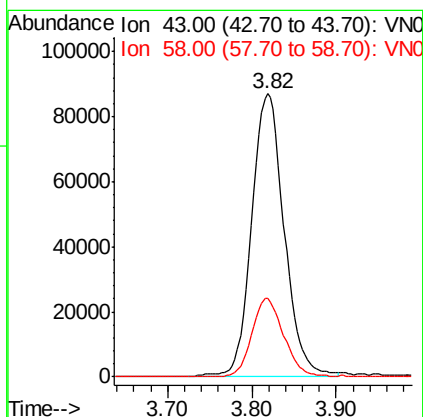
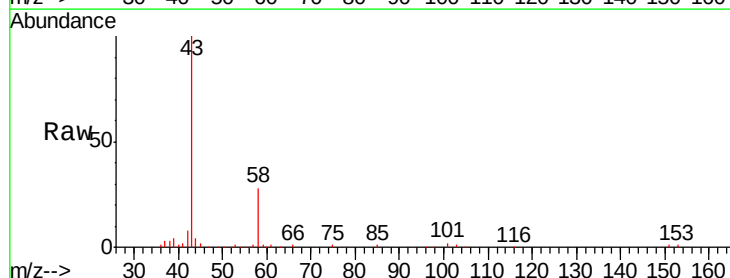
Manual Integrations
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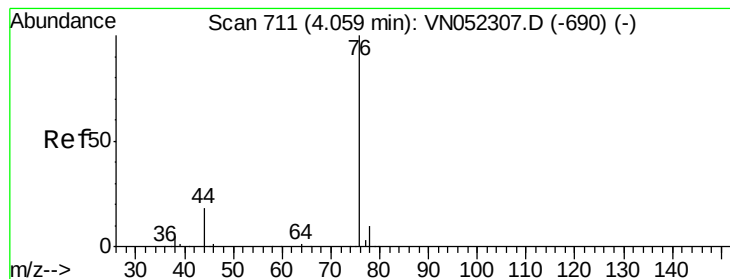
MMDadoda
 11/20/2018 11:39:07 AM



#16
 Acetone
 Concen: 246.06 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4





#17

Carbon Disulfide

Concen: 51.43 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 367080

Ion Ratio Lower Upper

76 100

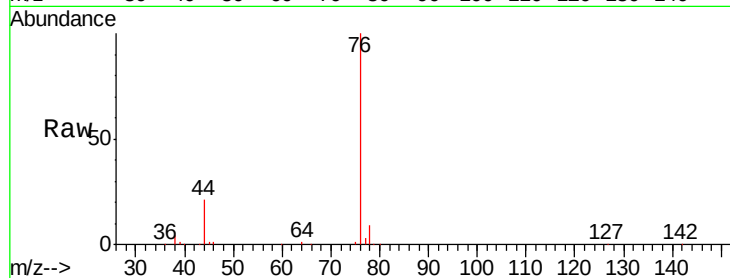
78 8.9 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

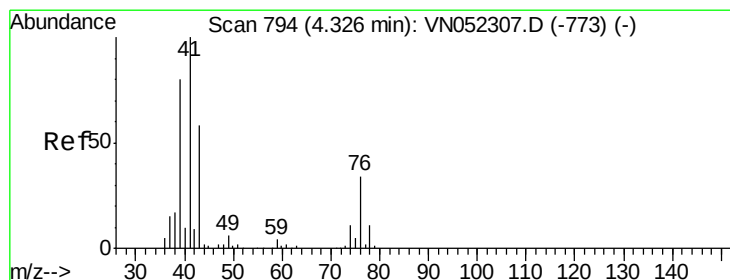
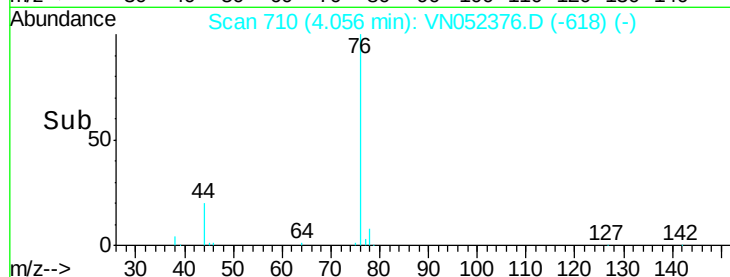
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 43.90 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052376.D

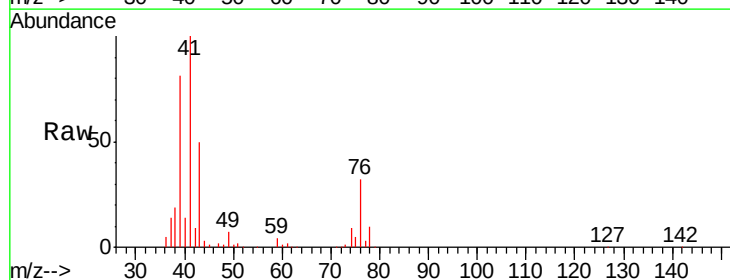
Acq: 19 Nov 2018 10:18

Tgt Ion: 43 Resp: 115518

Ion Ratio Lower Upper

43 100

74 19.8 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

20000

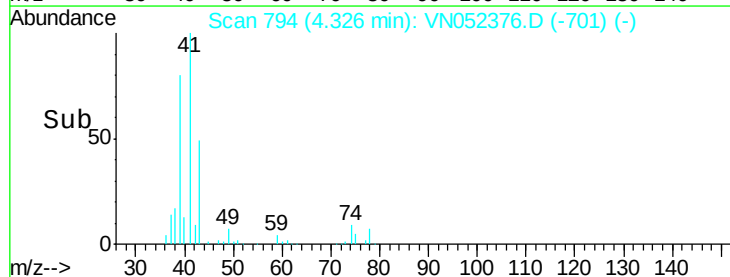
10000

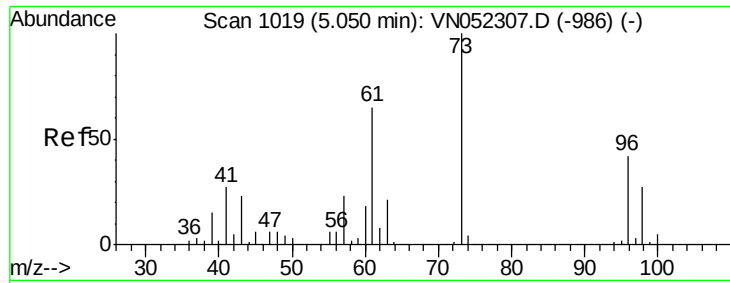
0

4.33

4.20 4.30 4.40

Time-->





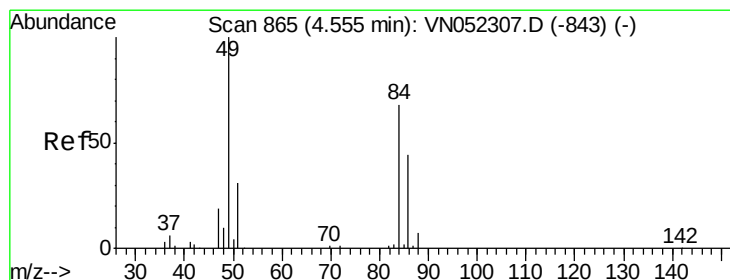
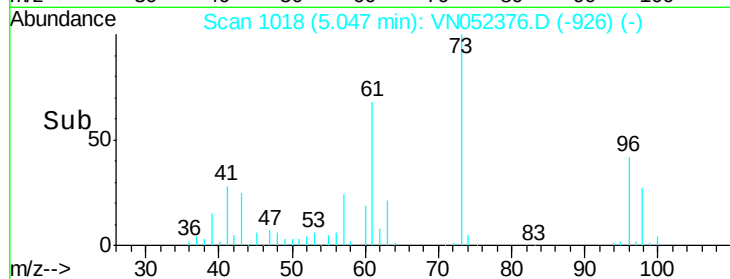
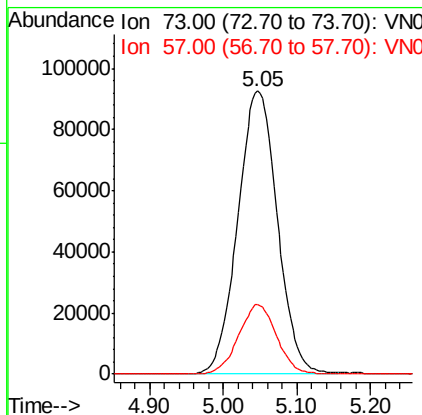
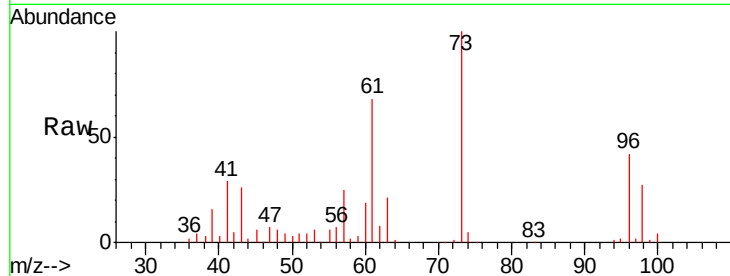
#19
Methyl tert-butyl Ether
Concen: 48.51 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 346963
Ion Ratio Lower Upper
73 100
57 24.6 18.7 28.1

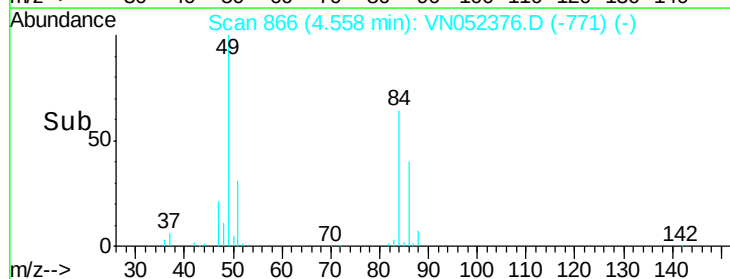
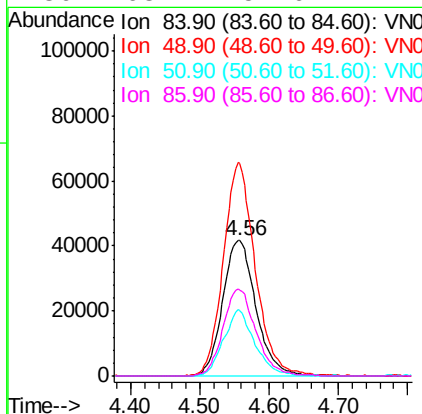
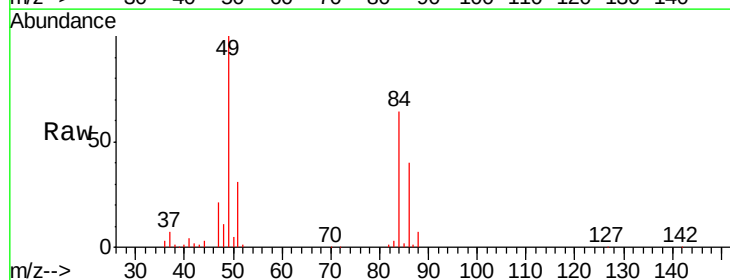
Manual Integrations
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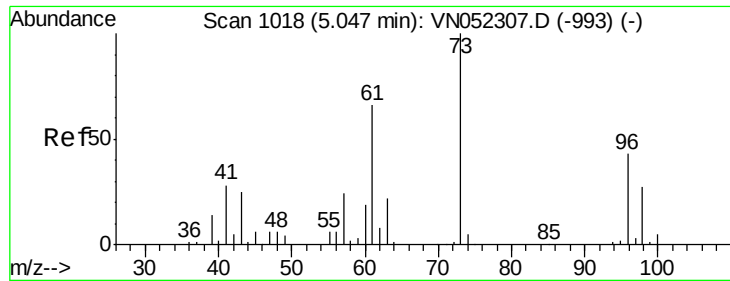
MMDadoda
11/20/2018 11:39:07 AM



#20
Methylene Chloride
Concen: 48.79 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 84 Resp: 139624
Ion Ratio Lower Upper
84 100
49 156.9 118.2 177.2
51 48.7 36.1 54.1
86 63.7 51.6 77.4





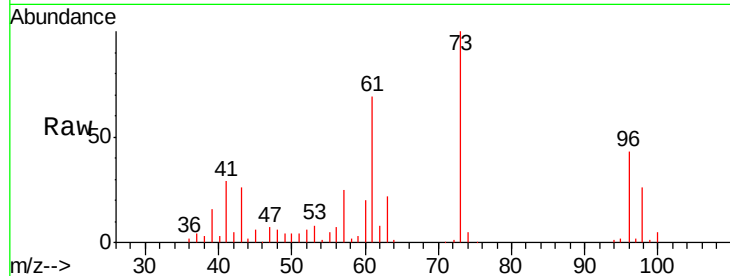
#21
trans-1,2-Dichloroethene
Concen: 46.96 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	123.6	185.4
98	61.3	50.7	76.1

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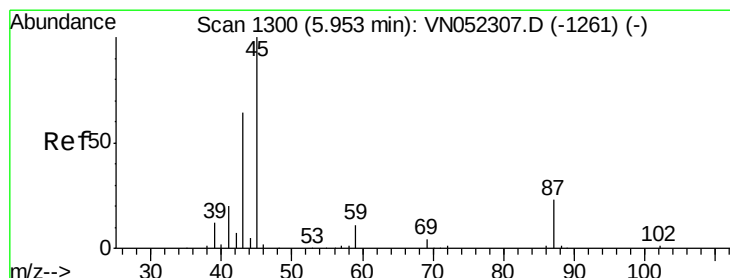
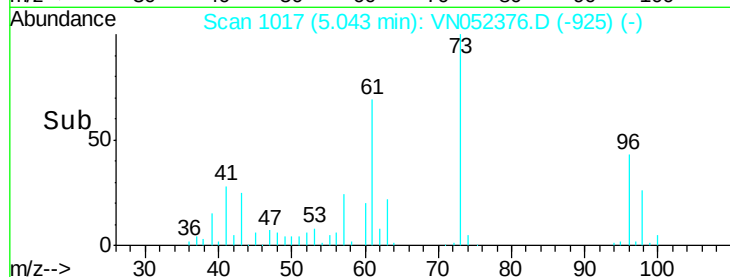
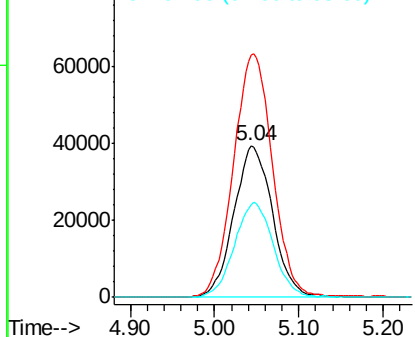


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 49.75 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	51.4	77.2
87	22.7	18.8	28.2
59	10.2	8.6	12.8

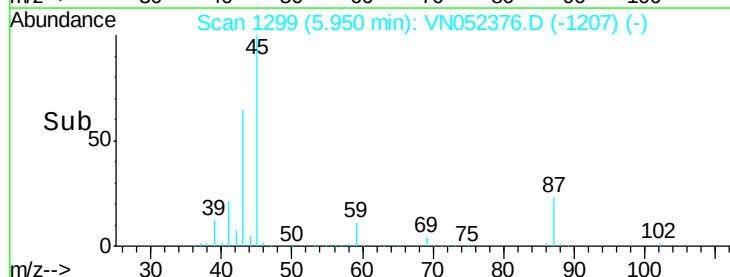
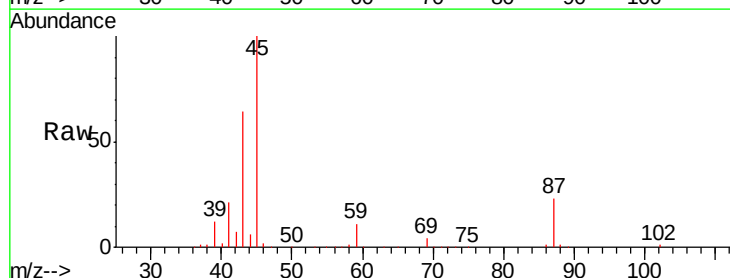
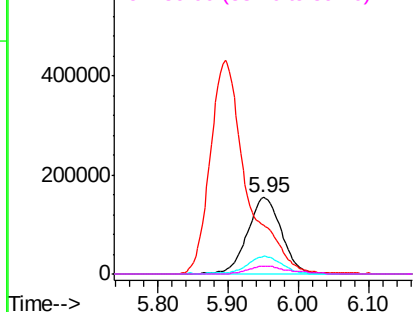
Abundance

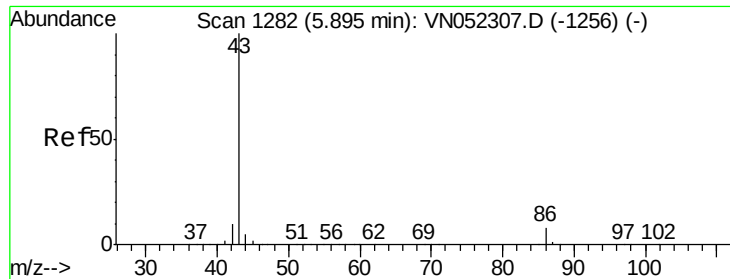
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 219.85 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1555161

Ion Ratio Lower Upper

43 100

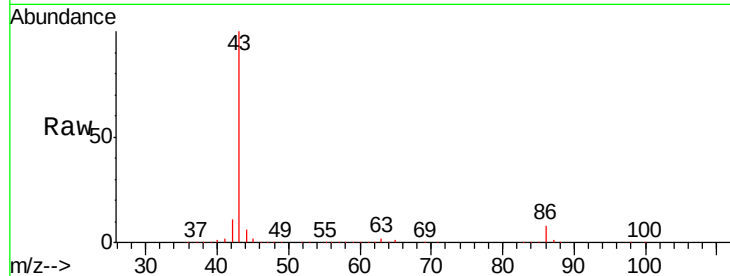
86 7.8 6.5 9.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

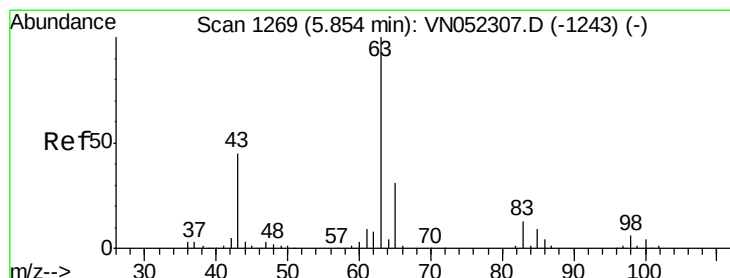
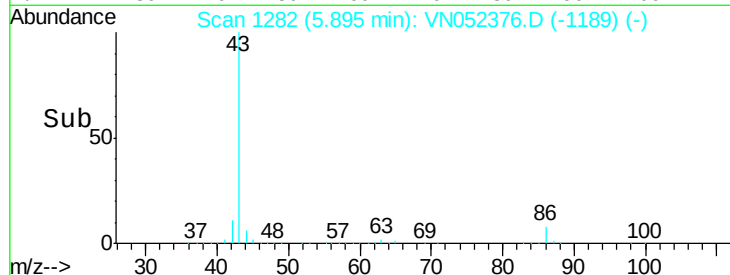
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.88 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

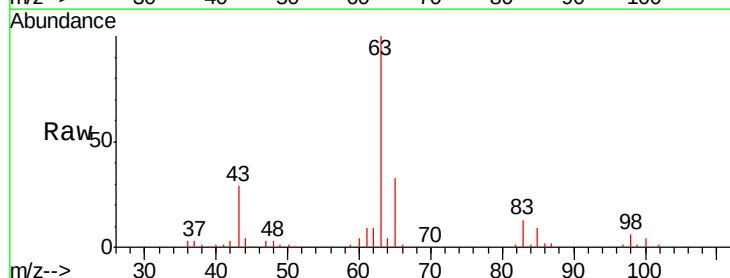
Tgt Ion: 63 Resp: 267714

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

100 4.2 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

100000

80000

60000

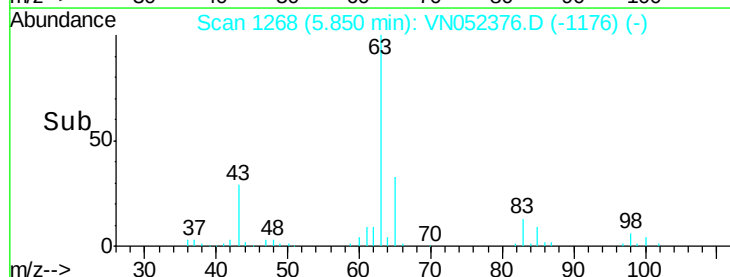
40000

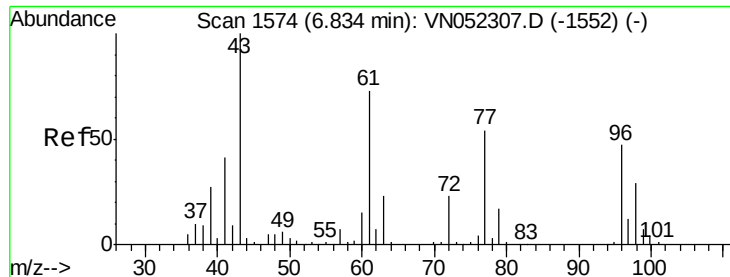
20000

0

5.70 5.80 5.90

Time-->





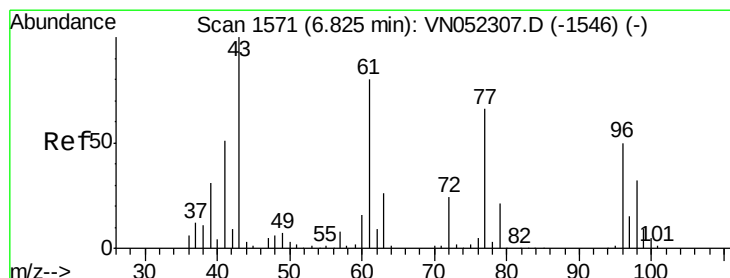
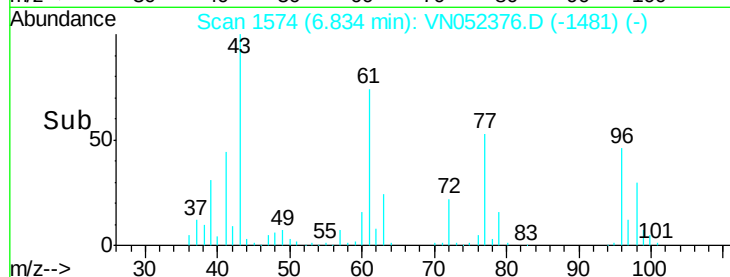
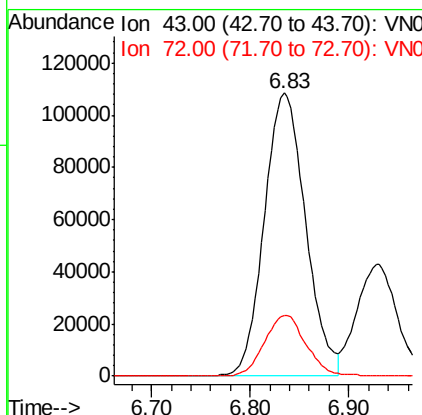
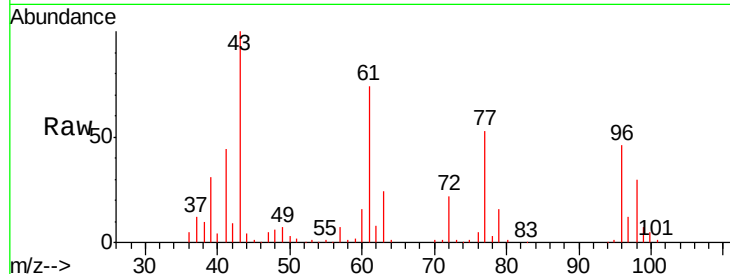
#25
2-Butanone
Concen: 237.16 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 313868
Ion Ratio Lower Upper
43 100
72 21.7 18.6 27.8

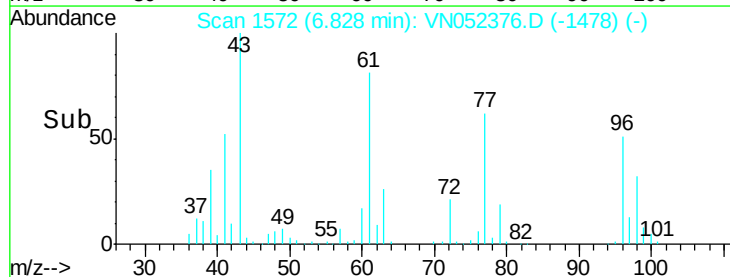
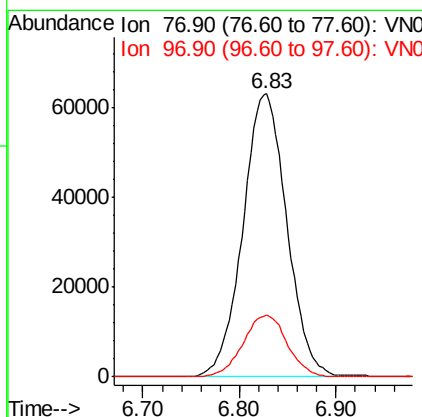
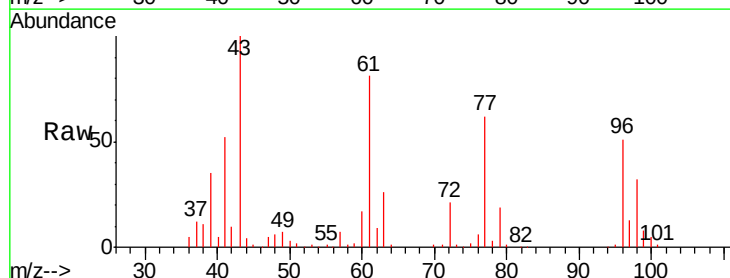
Manual Integrations
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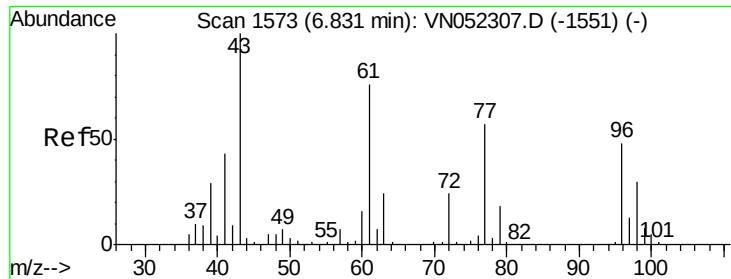
MMDadoda
11/20/2018 11:39:07 AM



#26
2,2-Dichloropropane
Concen: 48.21 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 77 Resp: 198208
Ion Ratio Lower Upper
77 100
97 22.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.55 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

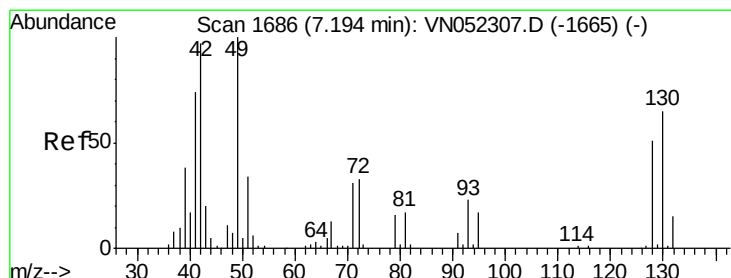
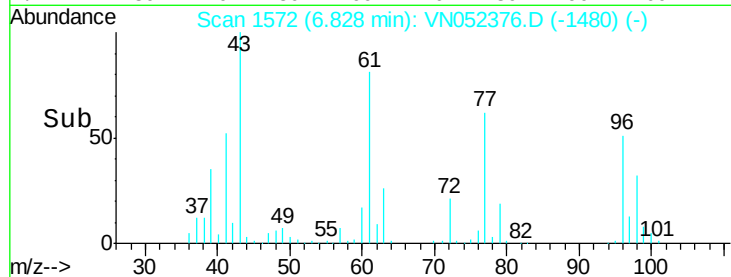
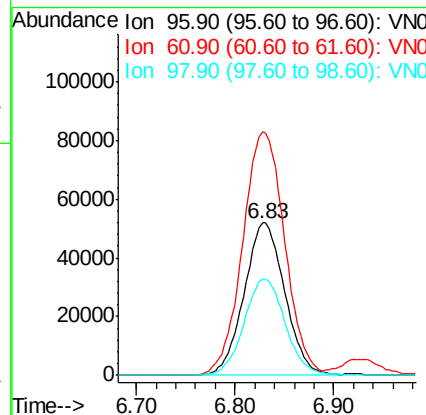
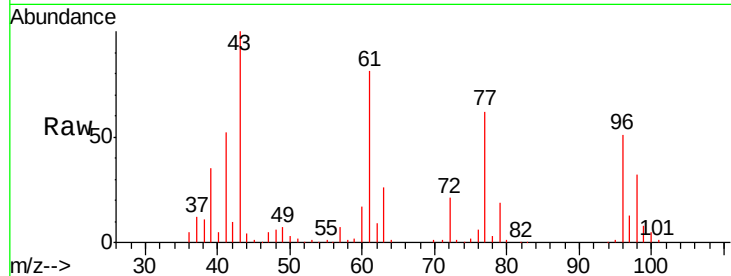
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	148335
Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	316.8
98	64.0	0.0	126.6

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#28

Bromochloromethane

Concen: 48.51 ug/l

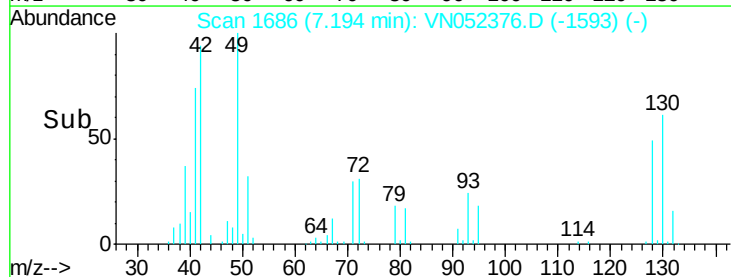
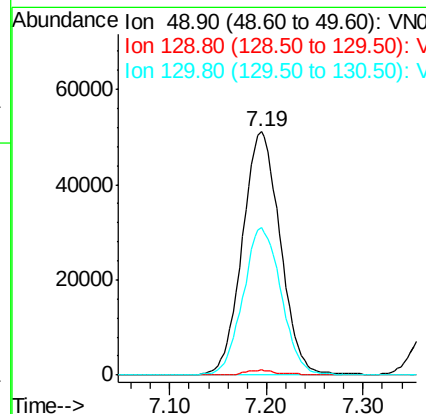
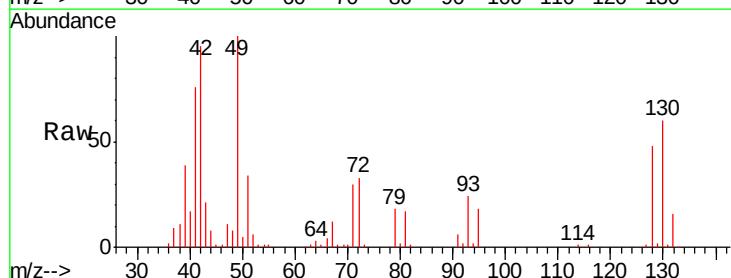
RT: 7.19 min Scan# 1686

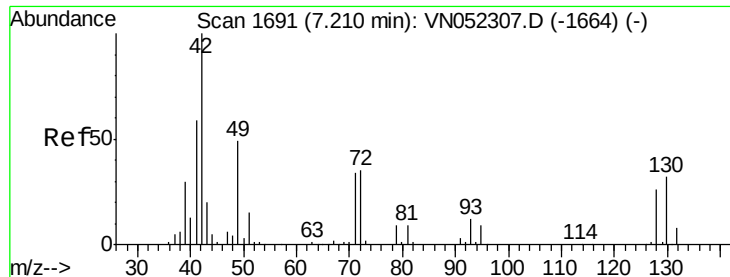
Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion:	49	Resp:	139476
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	60.9	50.4	75.6





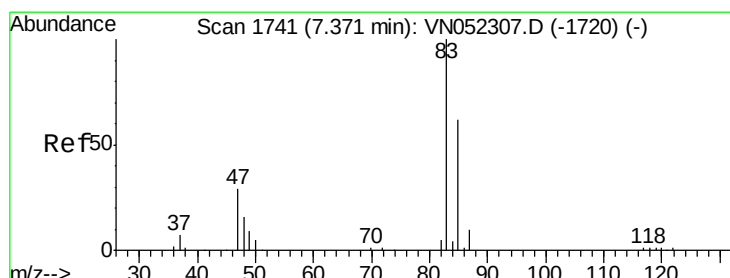
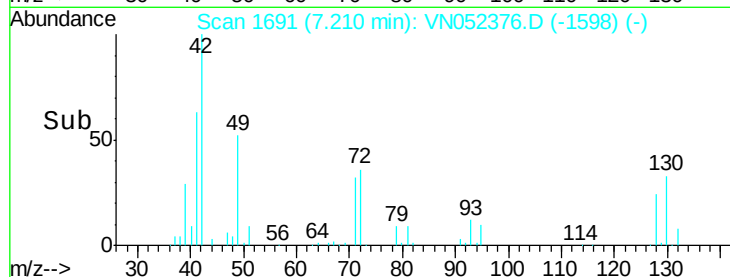
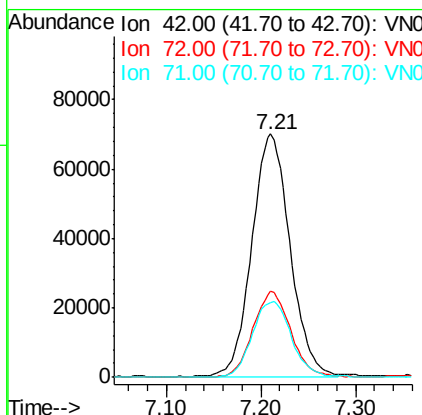
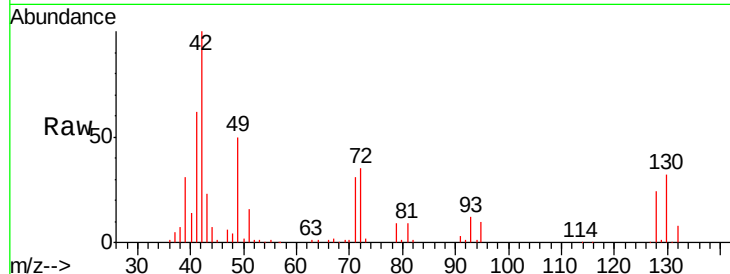
#29
Tetrahydrofuran
Concen: 225.59 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.6	42.8
71	32.4	26.7	40.1

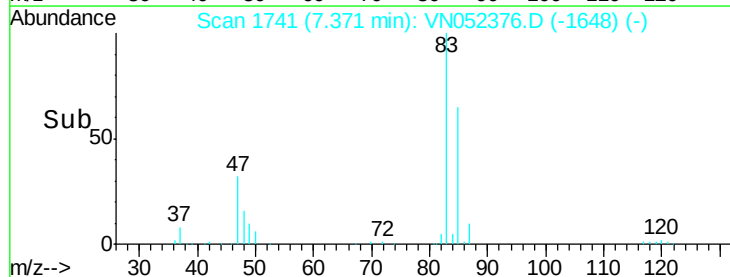
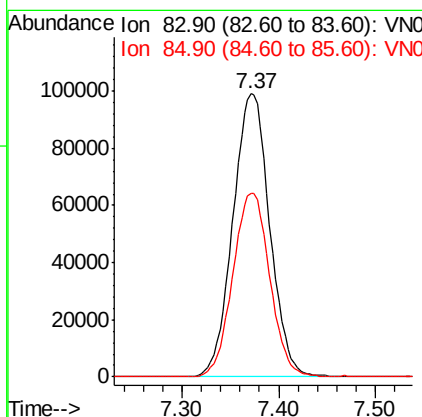
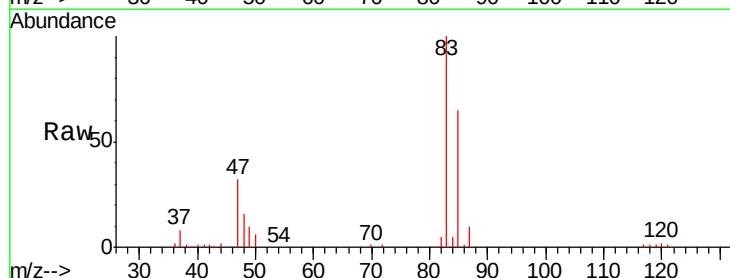
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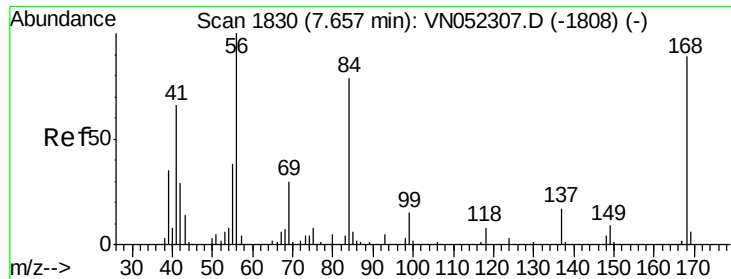
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#30
Chloroform
Concen: 49.21 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.4	74.2





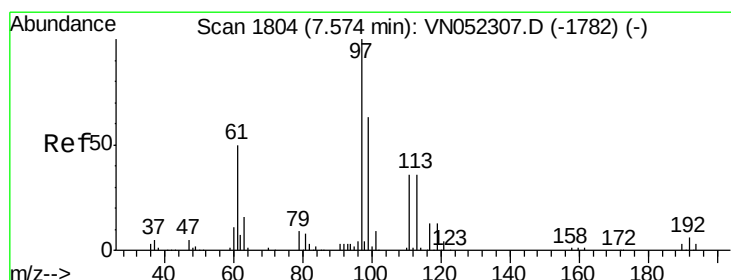
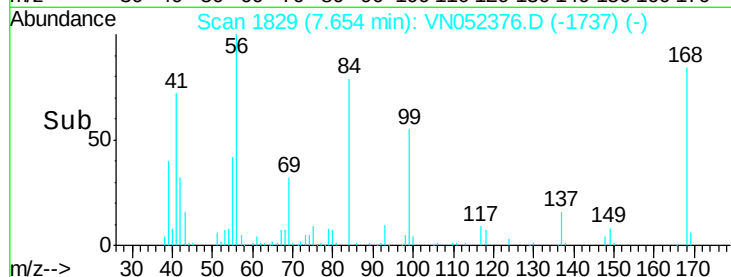
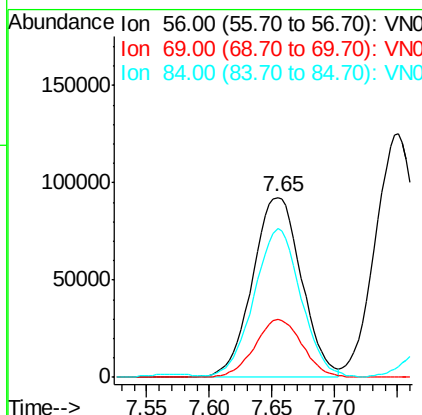
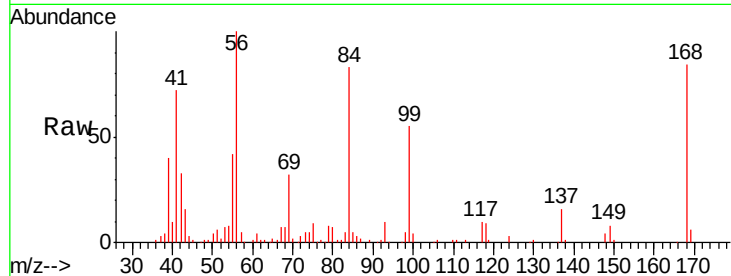
#31
Cyclohexane
Concen: 48.48 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.8
84	81.4	63.0	94.6

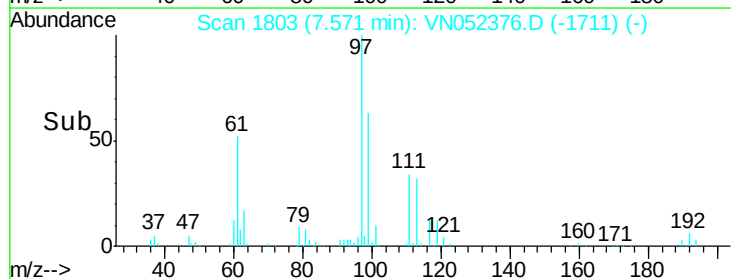
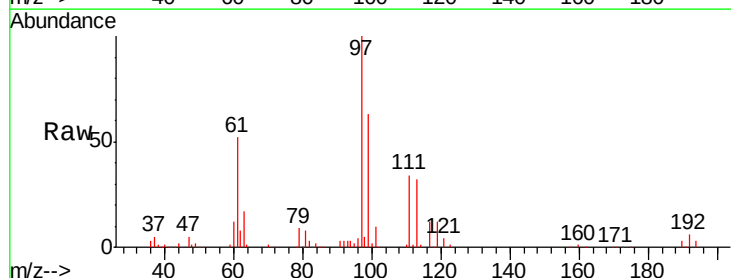
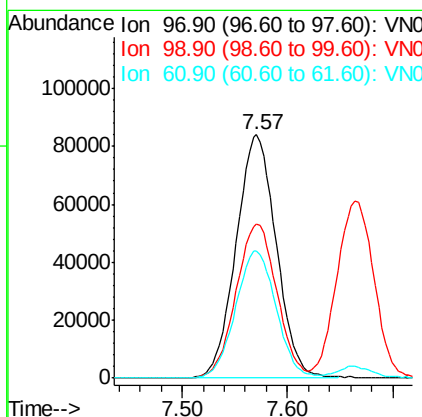
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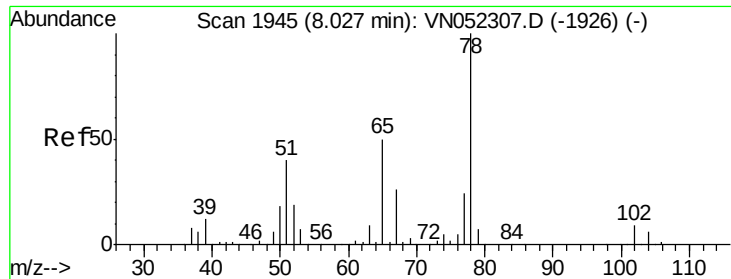
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#32
1,1,1-Trichloroethane
Concen: 48.99 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.2	75.2
61	52.9	40.2	60.4





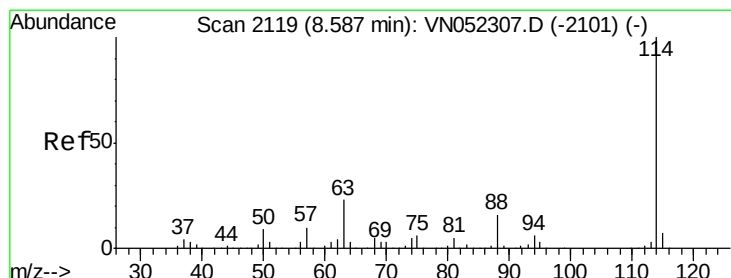
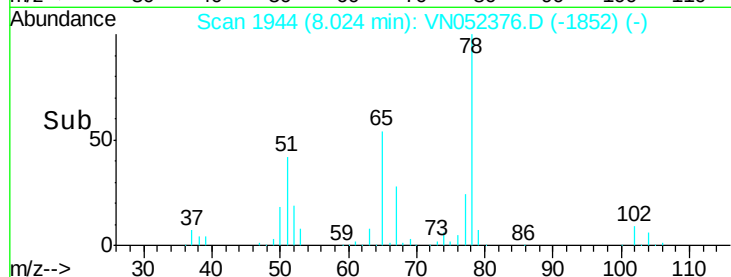
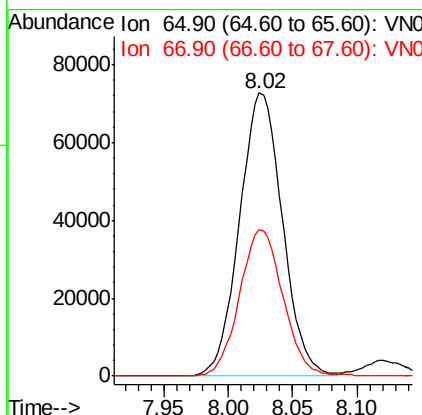
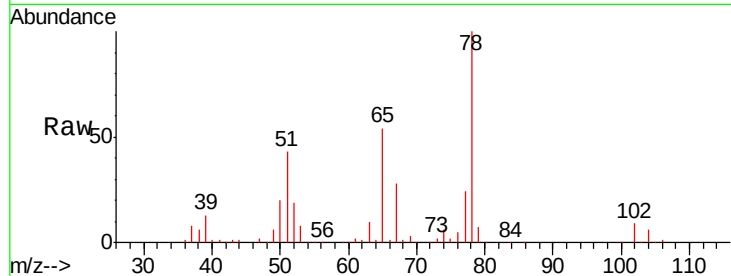
#33
 1,2-Dichloroethane-d4
 Concen: 48.99 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	168832		
67	52.4	0.0	105.2	

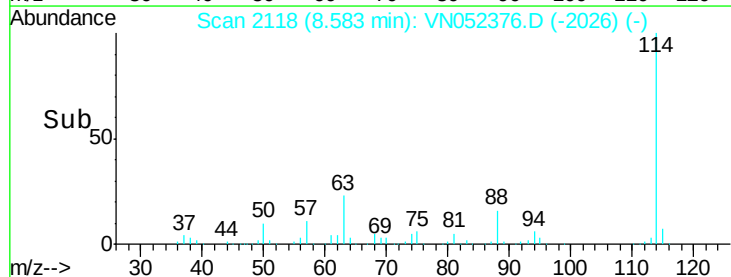
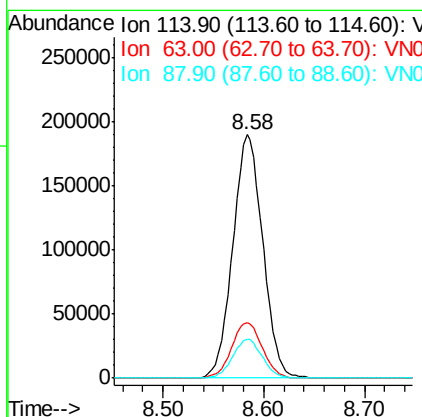
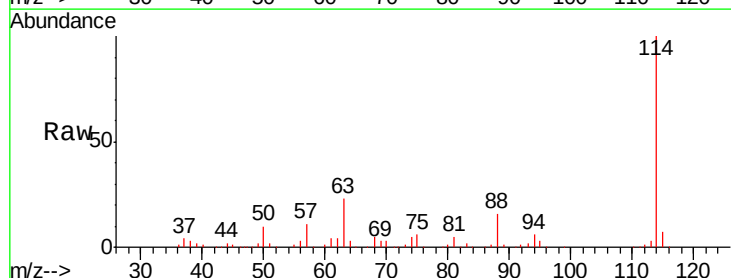
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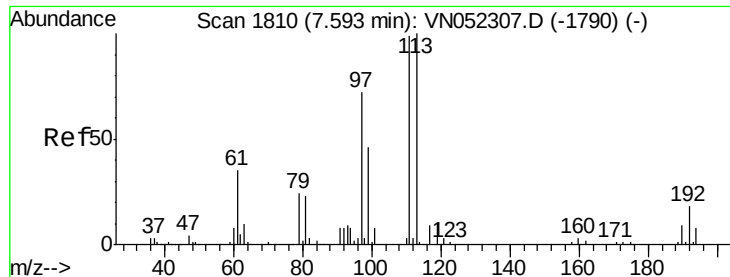
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391886		
63	22.7	0.0	45.4	
88	16.1	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

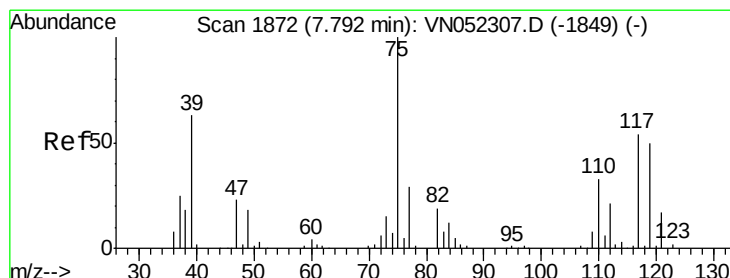
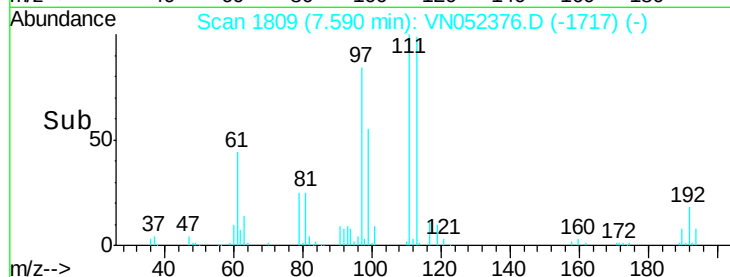
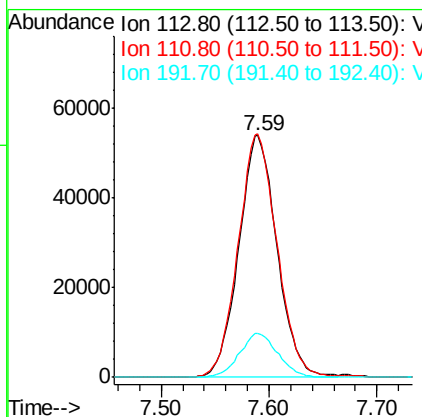
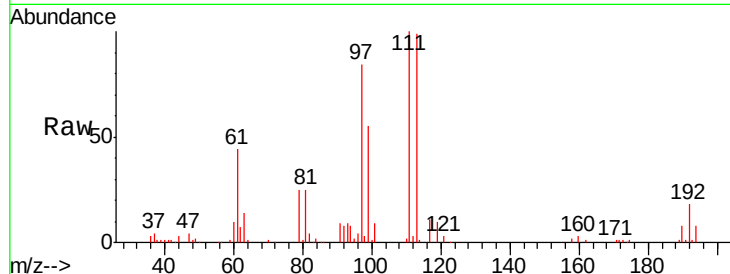
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	132805
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.0	121.6
192	18.1	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.70 ug/l

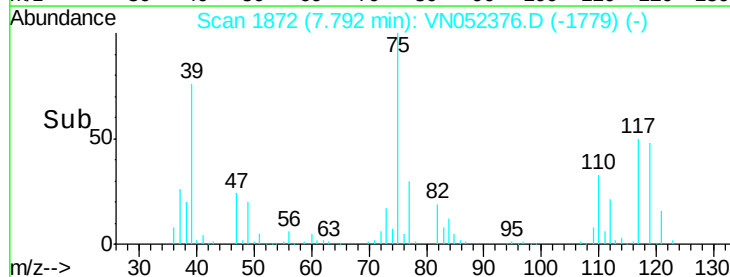
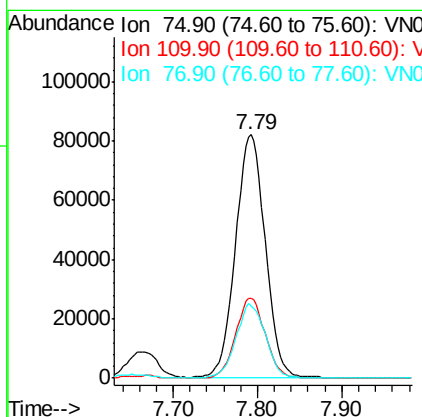
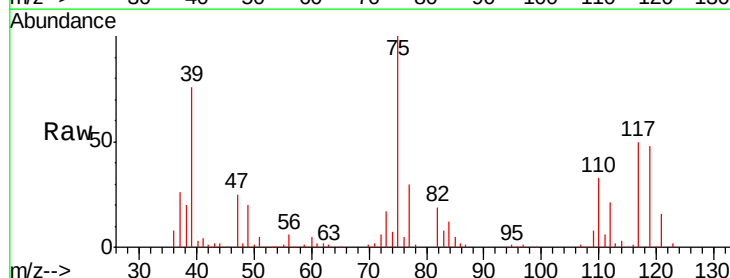
RT: 7.79 min Scan# 1872

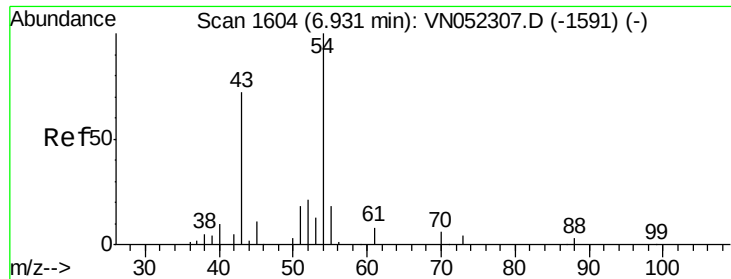
Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion:	75	Resp:	203060
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.5	49.5
77	30.4	24.2	36.2





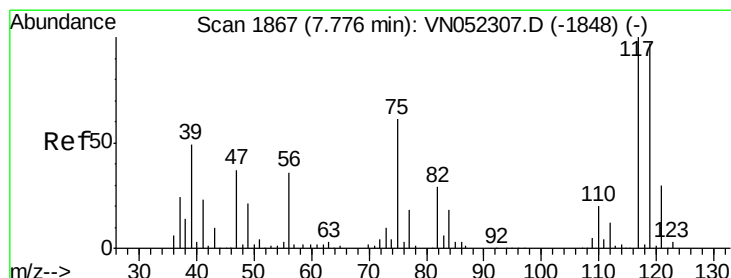
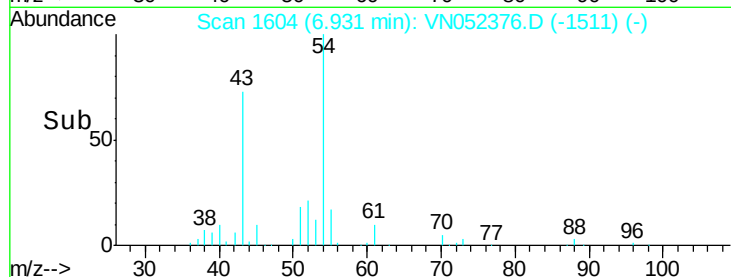
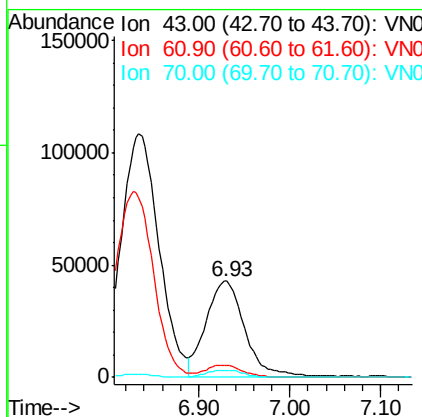
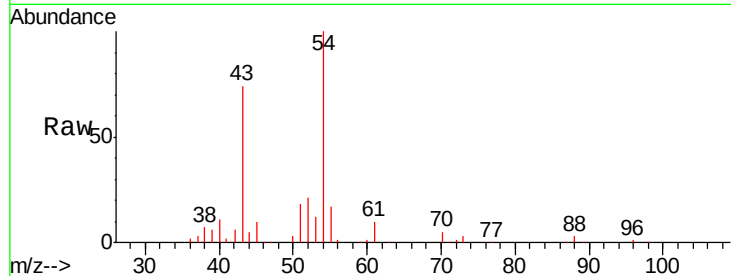
#37
Ethyl Acetate
Concen: 43.83 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	3.3	5.6	8.4#

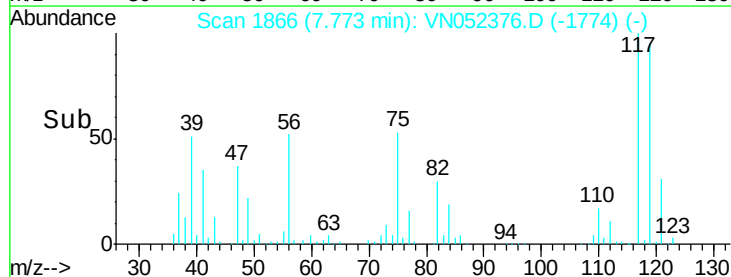
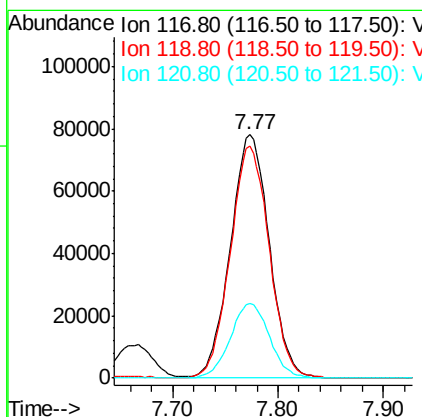
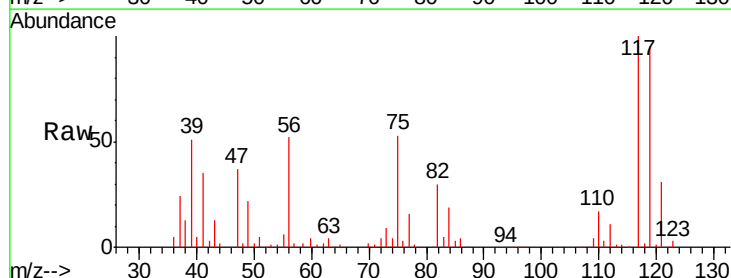
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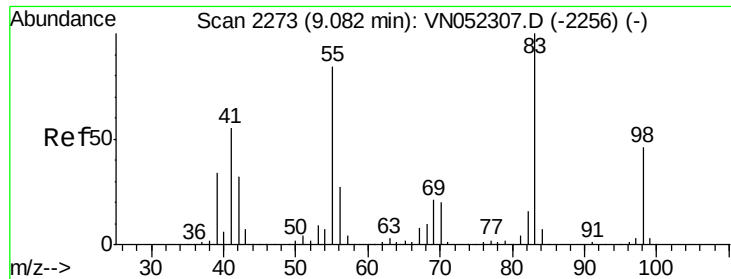
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#38
Carbon Tetrachloride
Concen: 55.36 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	30.8	24.0	36.0





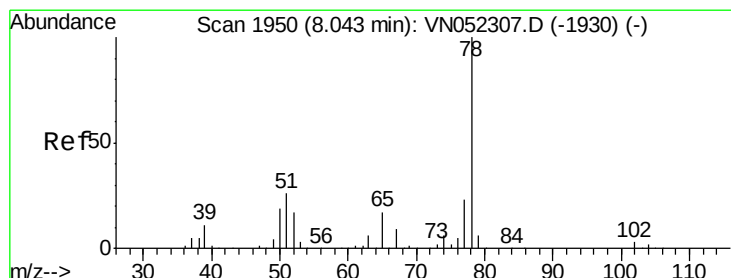
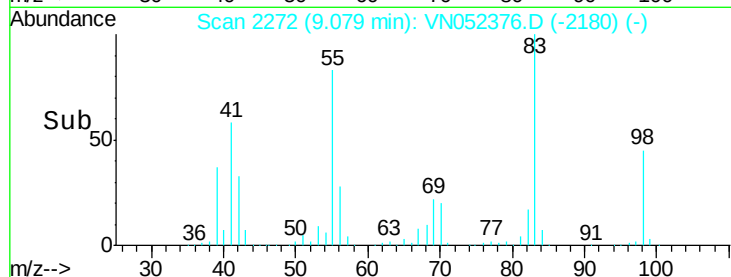
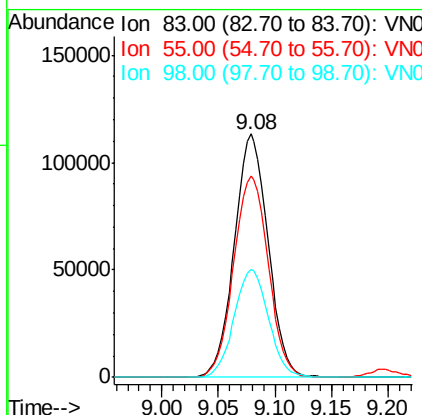
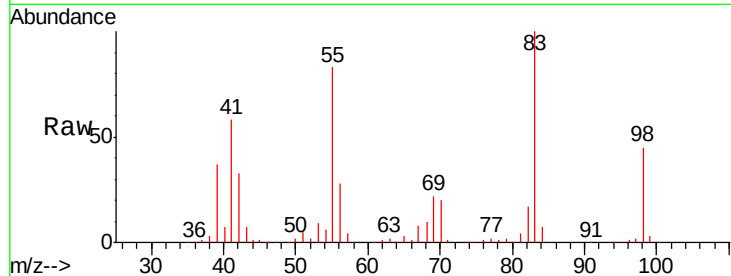
#39
Methylcyclohexane
Concen: 52.51 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.7	66.8	100.2
98	44.6	36.4	54.6

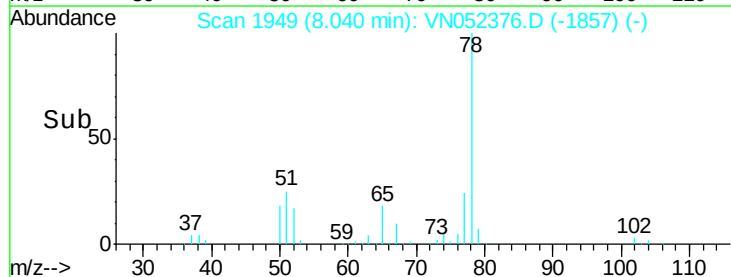
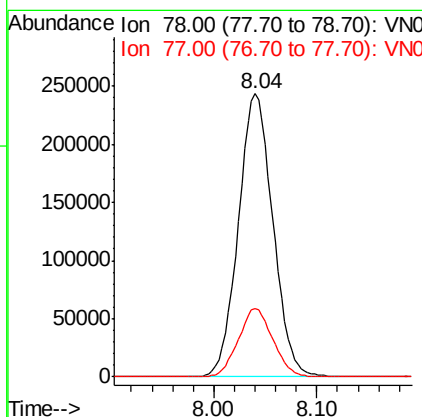
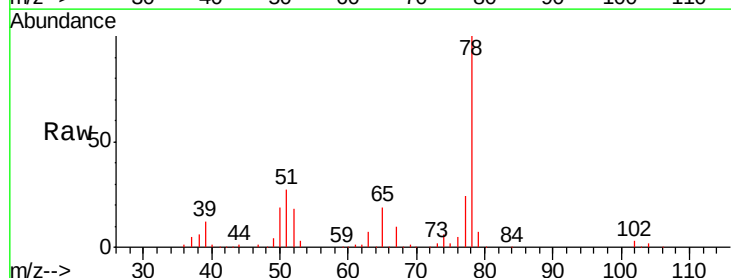
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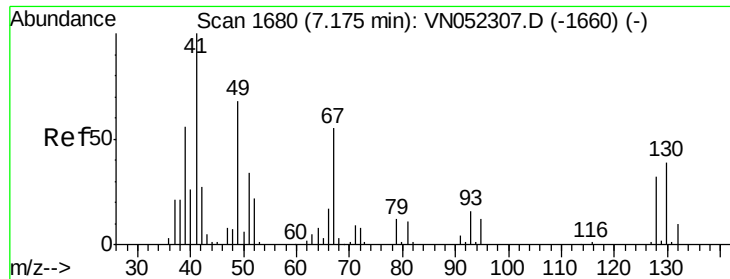
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#40
Benzene
Concen: 50.48 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





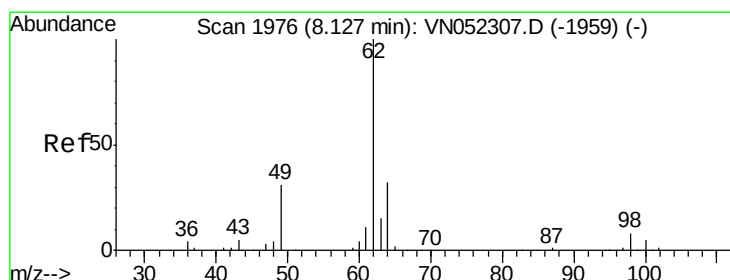
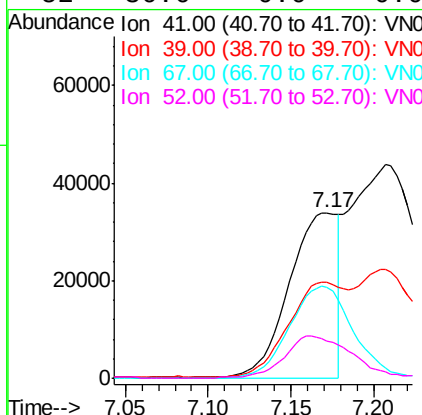
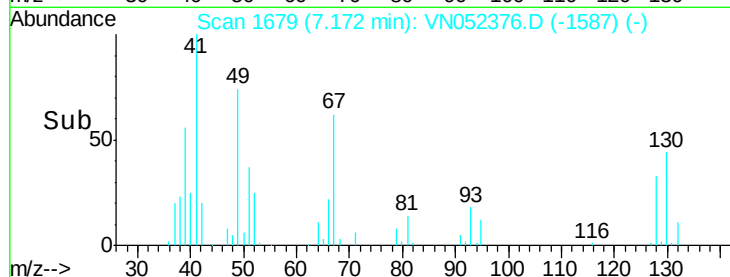
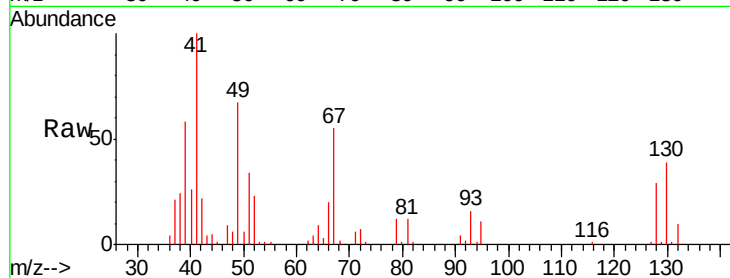
#41
Methacrylonitrile
Concen: 44.35 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.3	0.0	0.0#
67	72.7	0.0	0.0#
52	36.6	0.0	0.0#

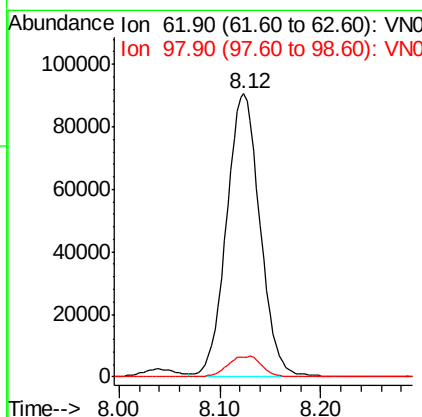
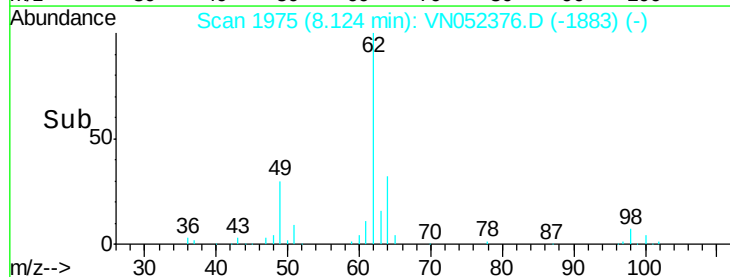
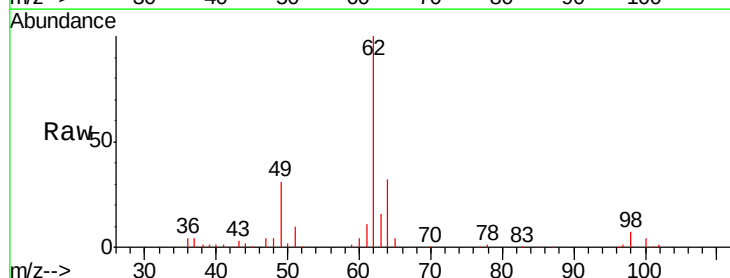
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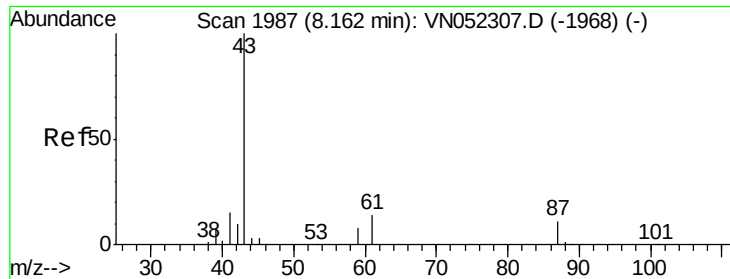
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.02 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6





#43

Isopropyl Acetate

Concen: 41.38 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

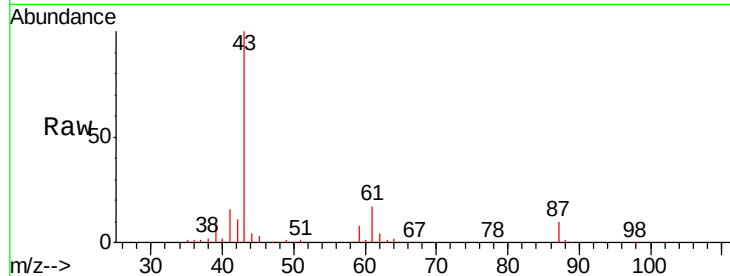
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	227626
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
87	10.0	8.3	12.5

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

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)

8.16

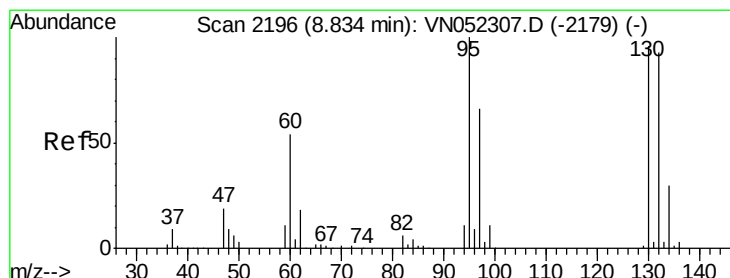
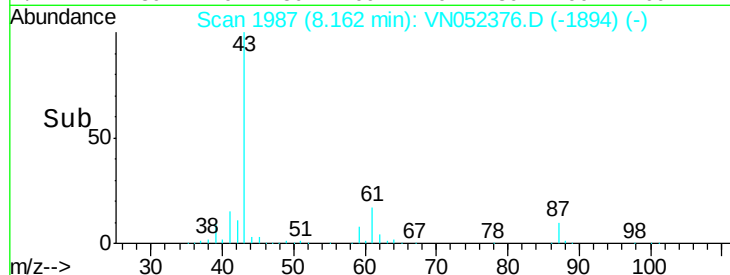
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.72 ug/l

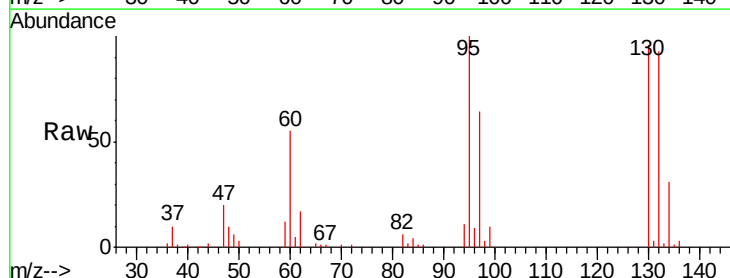
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion:	130	Resp:	140201
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	208.4



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

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

8.83

80000

60000

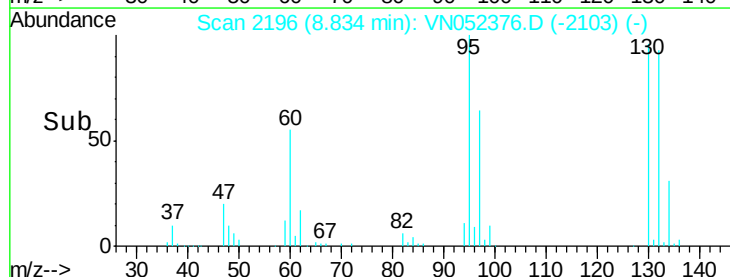
40000

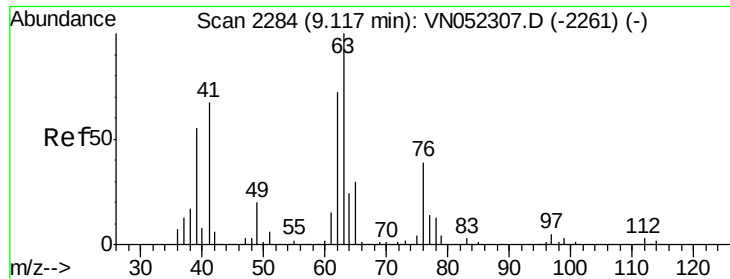
20000

0

8.75 8.80 8.85 8.90

Time-->





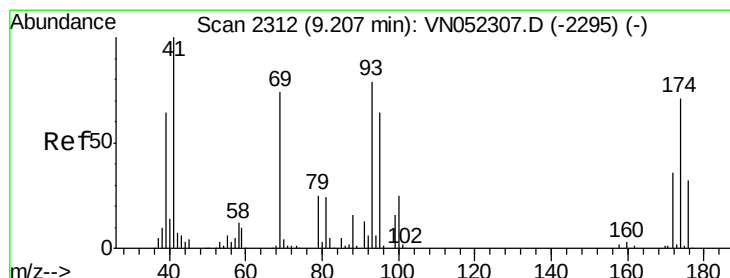
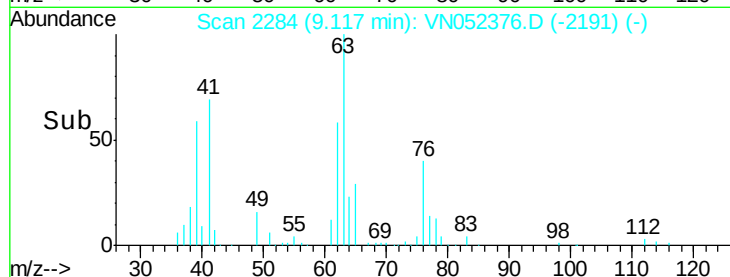
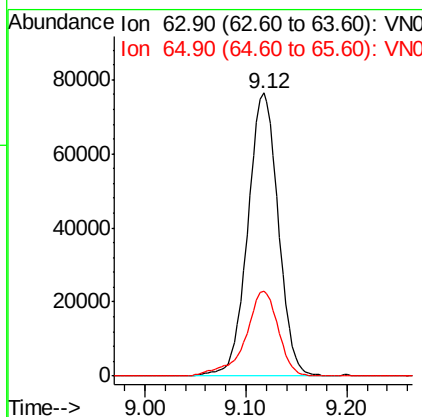
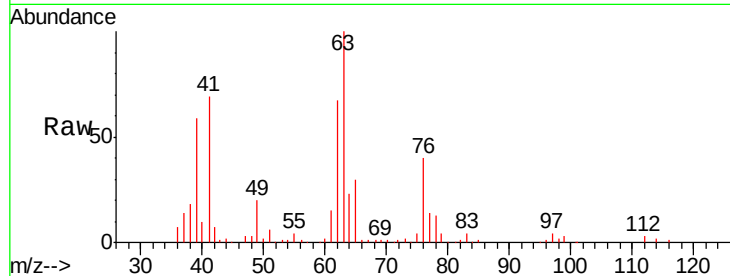
#45
 1,2-Dichloropropane
 Concen: 50.12 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 159597
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.4

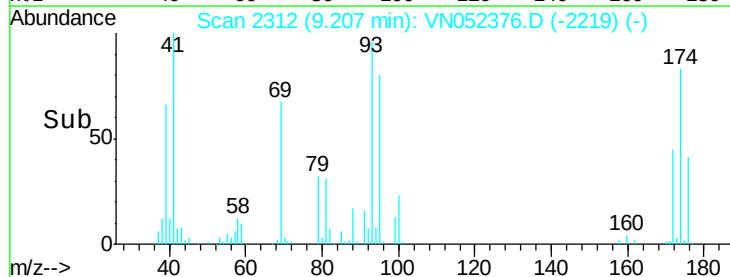
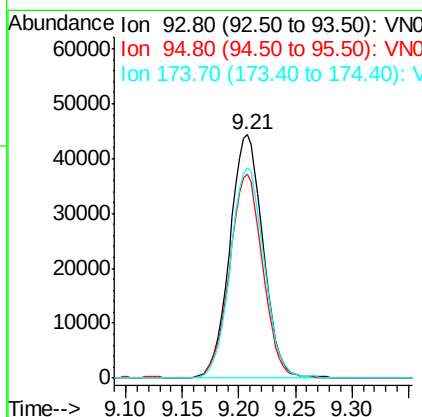
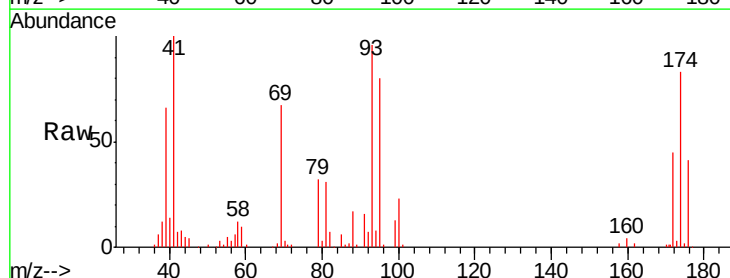
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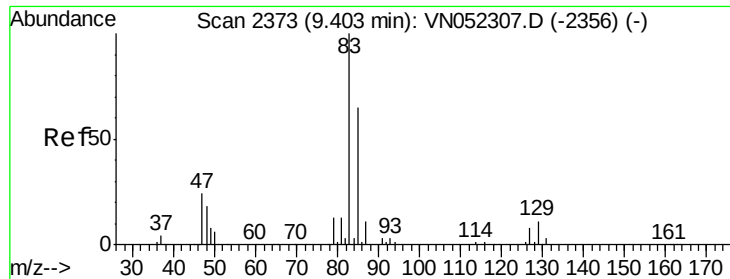
MMDadoda
 11/20/2018 11:39:07 AM



#46
 Dibromomethane
 Concen: 49.22 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 93 Resp: 90729
 Ion Ratio Lower Upper
 93 100
 95 83.7 64.2 96.2
 174 87.3 70.9 106.3





#47

Bromodichloromethane

Concen: 54.80 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

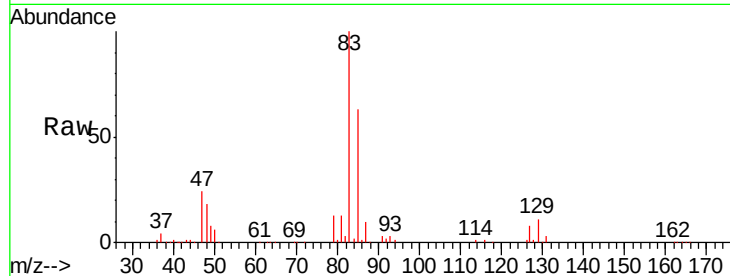
ClientSampleId :

VSTDCCC050

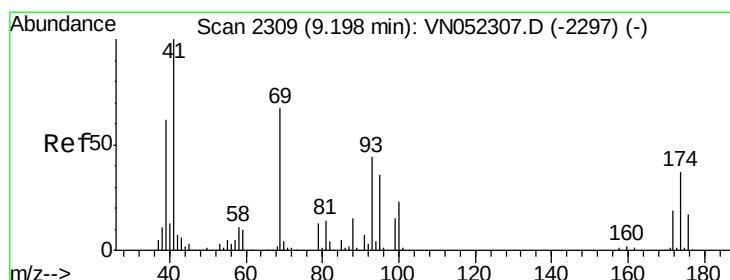
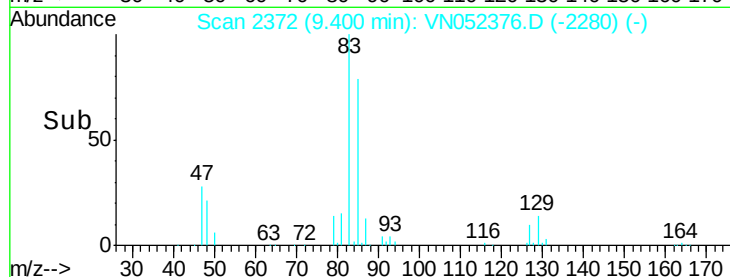
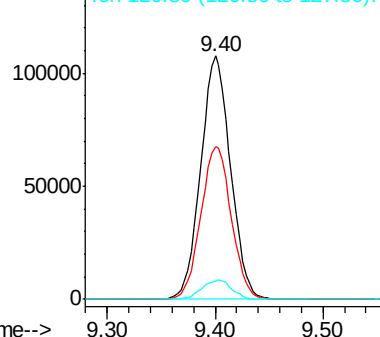
Tgt Ion:	83	Resp:	207300
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.2	78.4
127	7.8	6.7	10.1

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Abundance Ion 82.90 (82.60 to 83.60): VN052376.D (-2280) (-)



#48

Methyl methacrylate

Concen: 42.08 ug/l

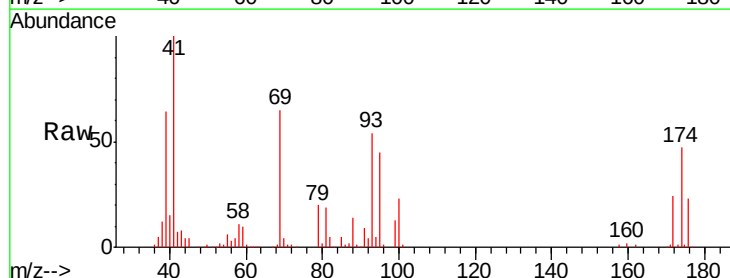
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

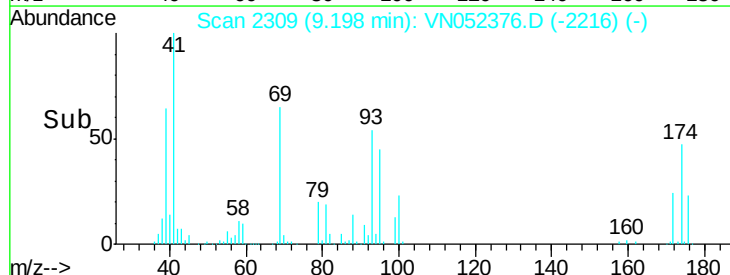
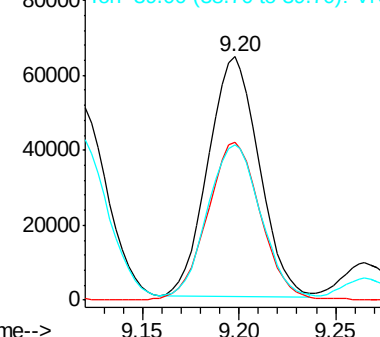
Lab File: VN052376.D

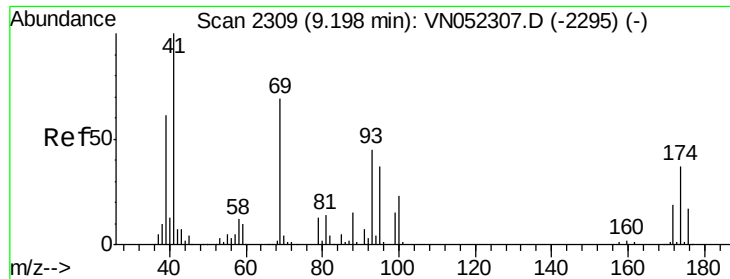
Acq: 19 Nov 2018 10:18

Tgt Ion:	41	Resp:	117439
Ion Ratio	Lower	Upper	
41	100		
69	68.8	57.1	85.7
39	67.6	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VN052376.D (-2216) (-)





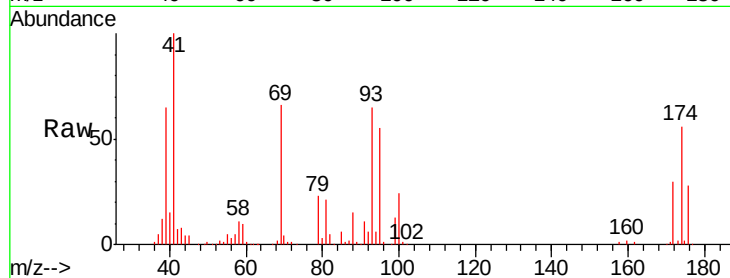
#49
1,4-Dioxane
Concen: 956.53 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

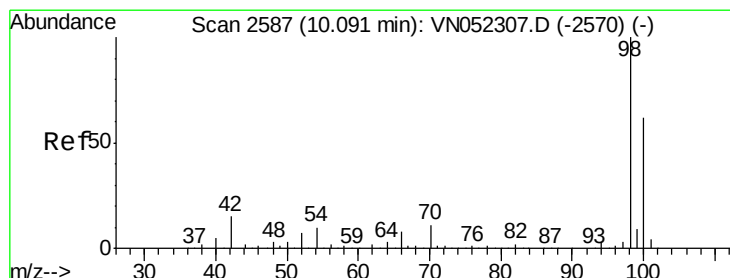
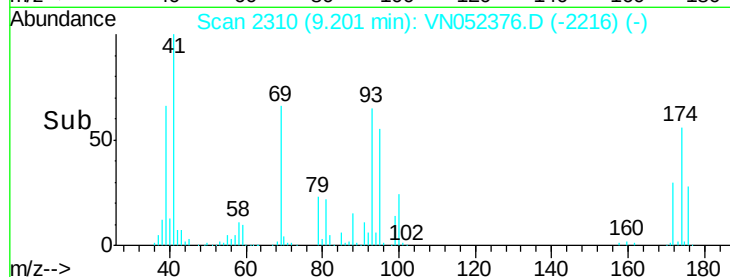
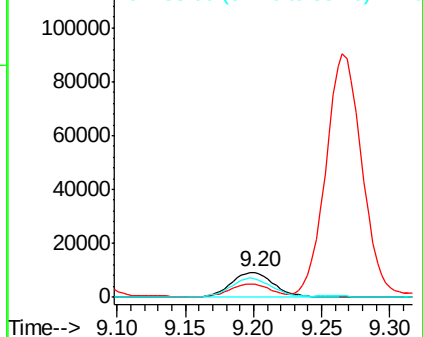
Tgt Ion	Ratio	Lower	Upper
88	100		
43	47.4	33.3	49.9
58	74.8	59.2	88.8

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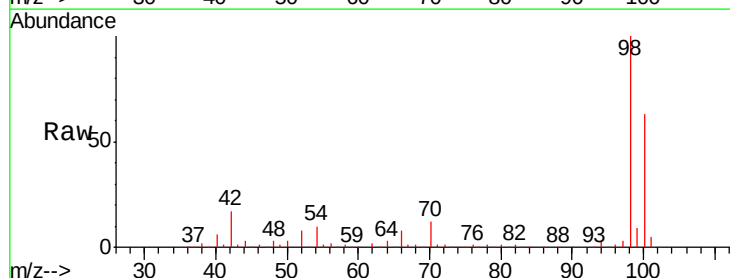


Abundance Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)
Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)

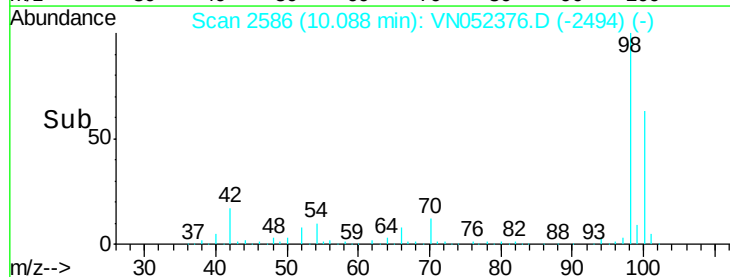
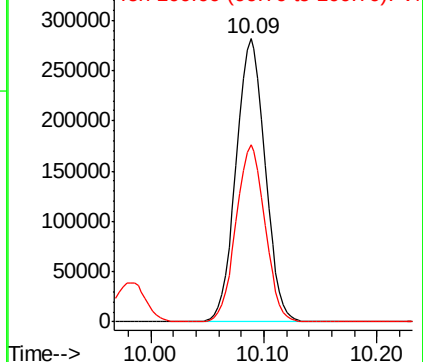


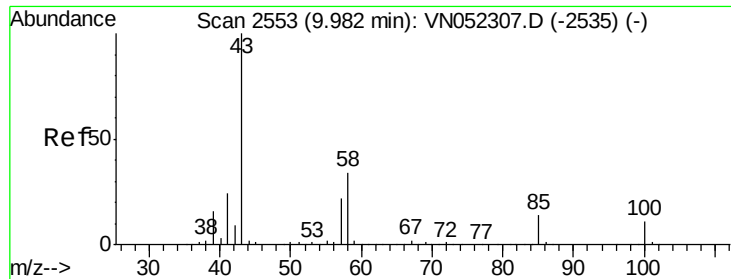
#50
Toluene-d8
Concen: 956.53 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.0	49.5	74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 238.54 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 660484

Ion Ratio Lower Upper

43 100

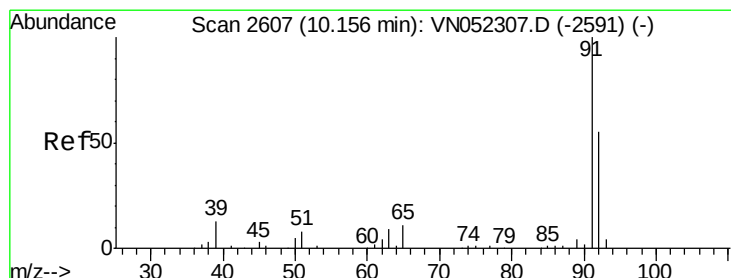
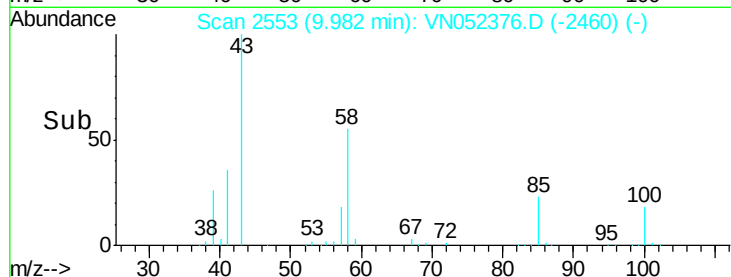
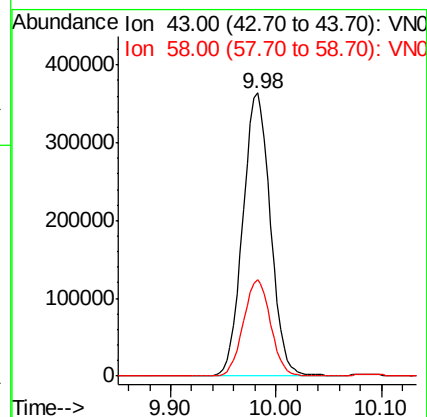
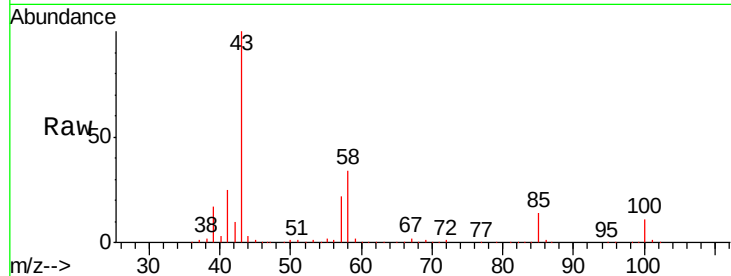
58 33.6 27.0 40.6

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#52

Toluene

Concen: 51.97 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052376.D

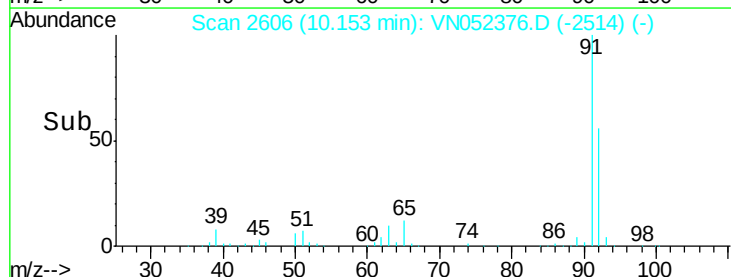
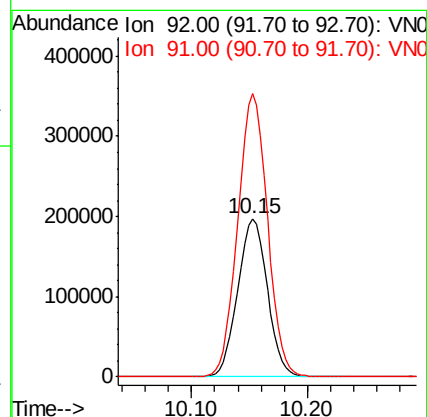
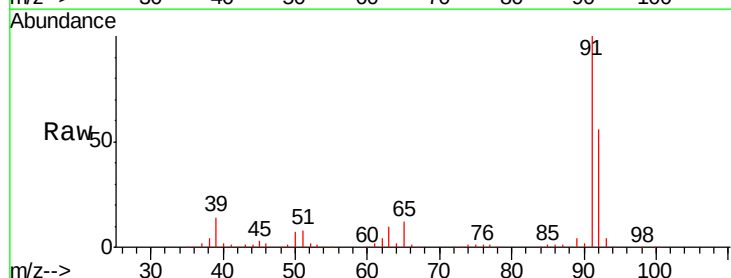
Acq: 19 Nov 2018 10:18

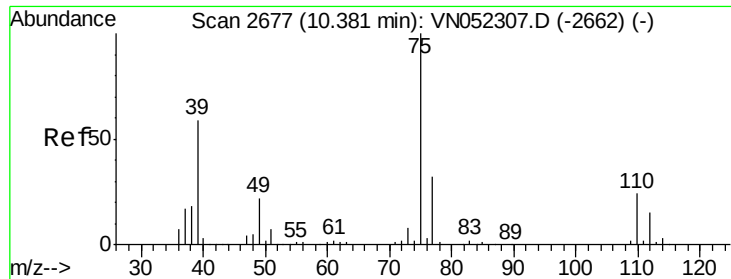
Tgt Ion: 92 Resp: 348847

Ion Ratio Lower Upper

92 100

91 179.1 143.6 215.4





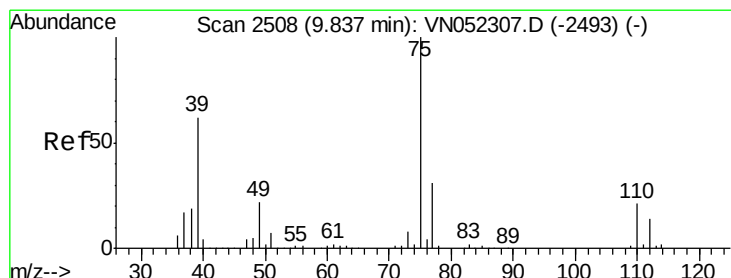
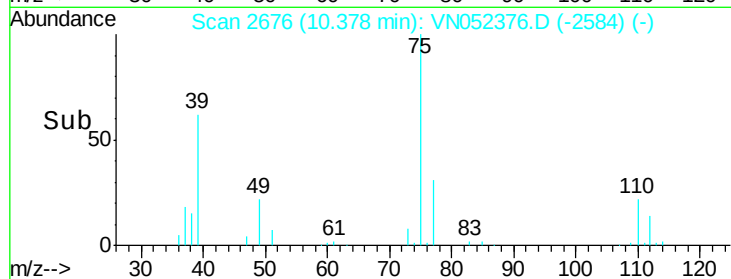
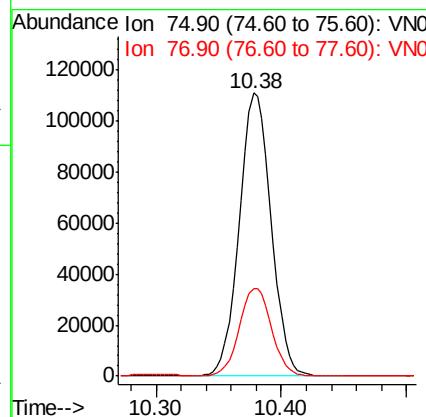
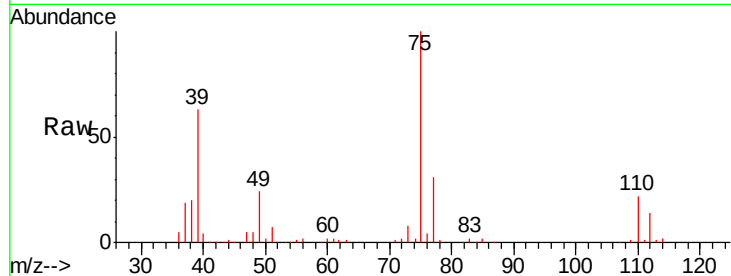
#53
t-1,3-Dichloropropene
Concen: 51.37 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 195989
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5

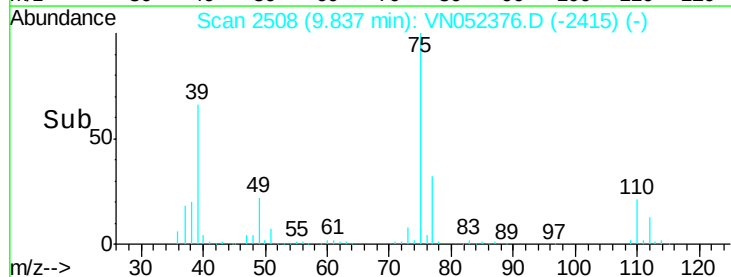
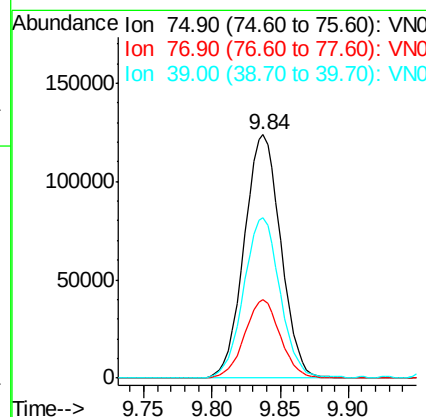
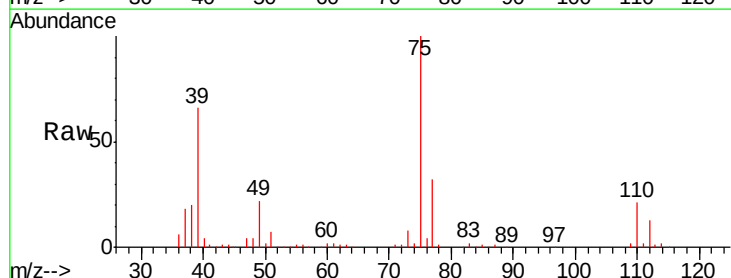
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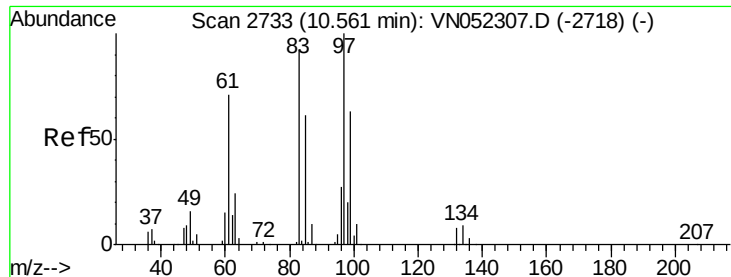
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#54
cis-1,3-Dichloropropene
Concen: 52.99 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 75 Resp: 230461
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 65.9 49.9 74.9





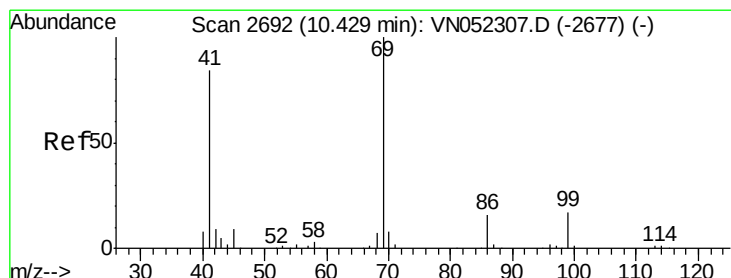
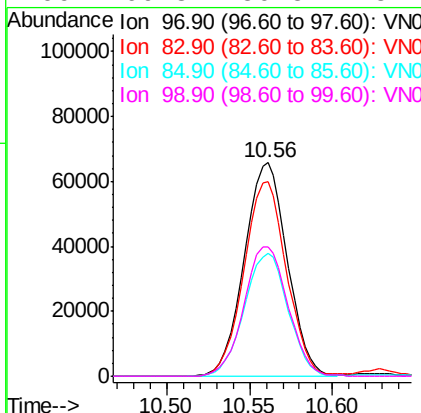
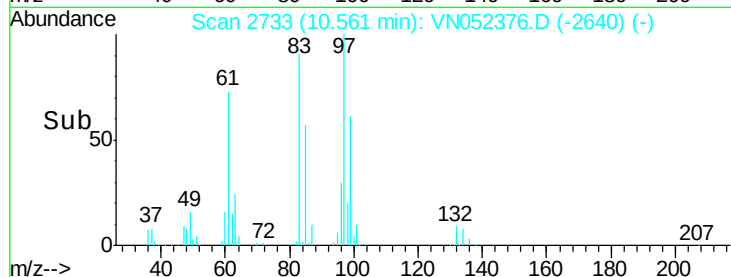
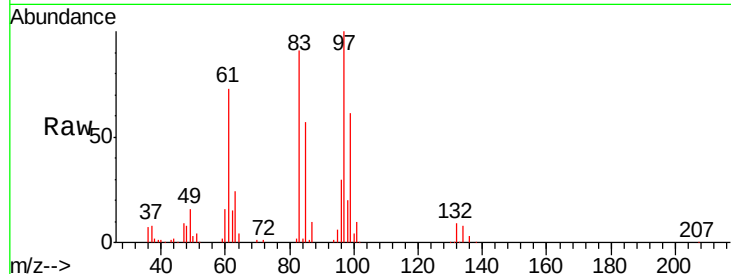
#55
 1,1,2-Trichloroethane
 Concen: 48.67 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	118445
Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.8	110.6
85	57.5	49.0	73.4
99	60.8	50.5	75.7

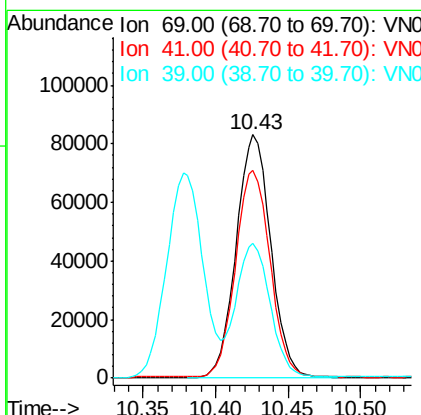
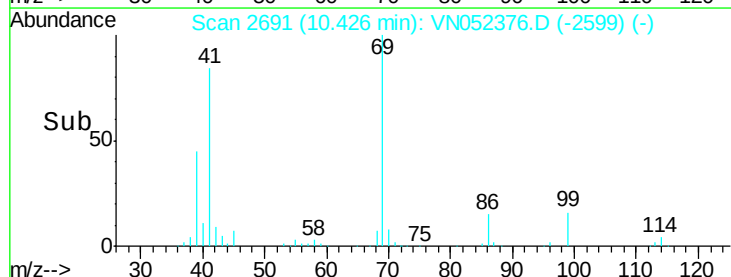
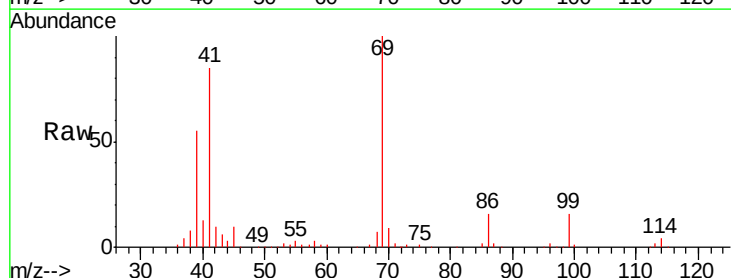
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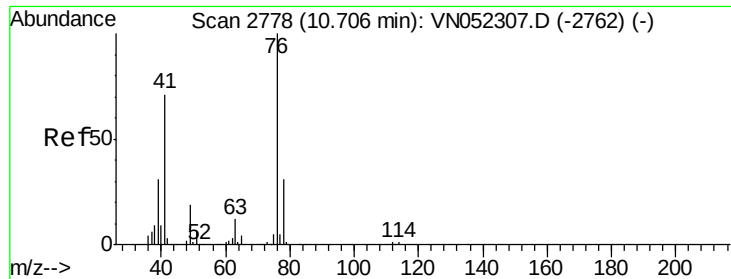
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#56
 Ethyl methacrylate
 Concen: 43.18 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion:	69	Resp:	138191
Ion	Ratio	Lower	Upper
69	100		
41	84.8	64.8	97.2
39	54.6	41.0	61.6





#57

1,3-Dichloropropane

Concen: 49.90 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 215089

Ion Ratio Lower Upper

76 100

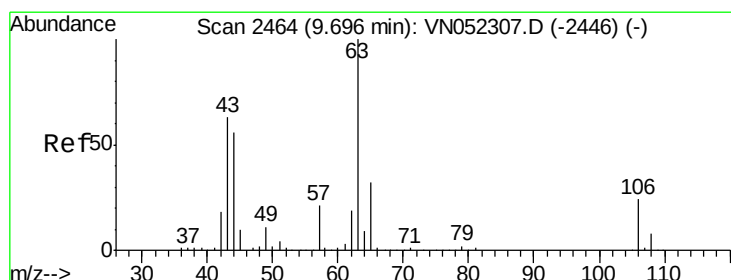
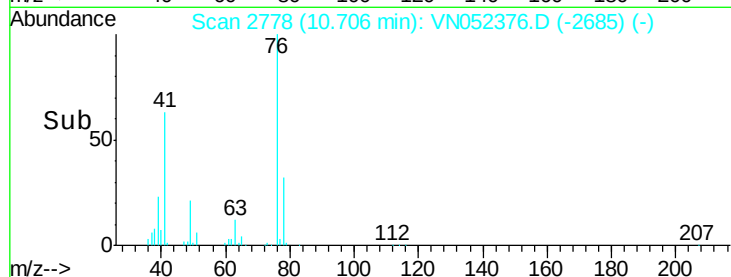
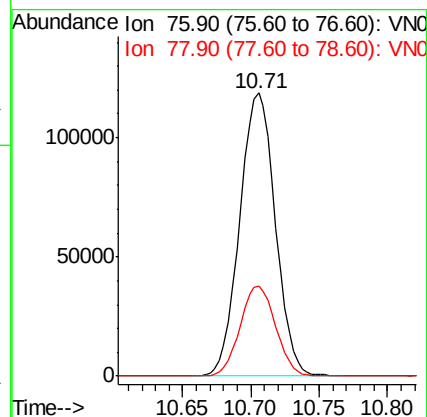
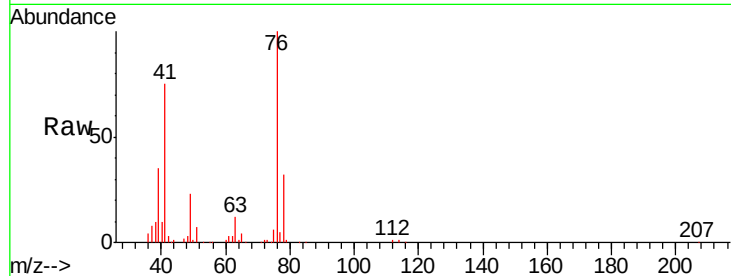
78 31.8 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 251.51 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052376.D

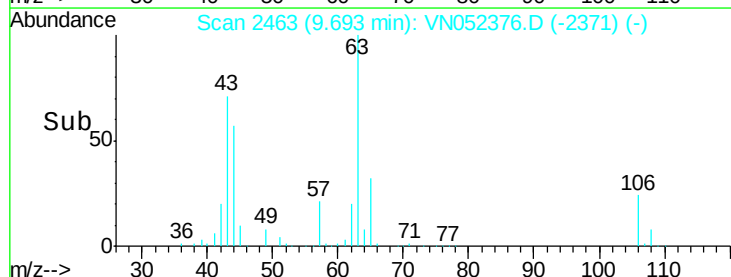
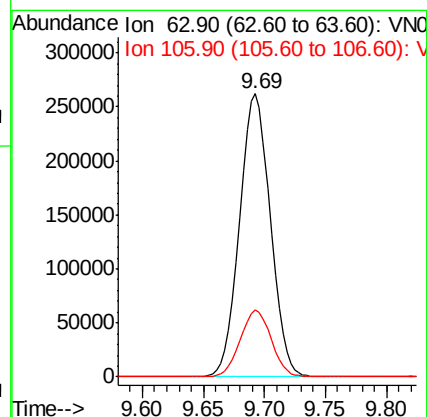
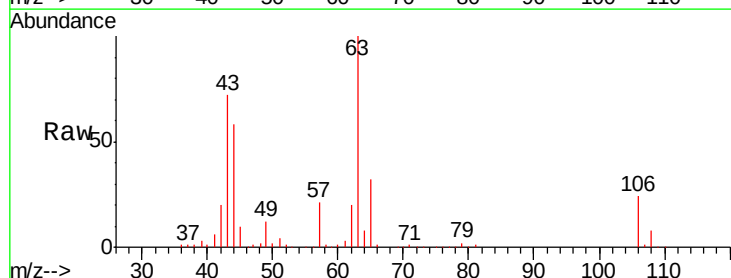
Acq: 19 Nov 2018 10:18

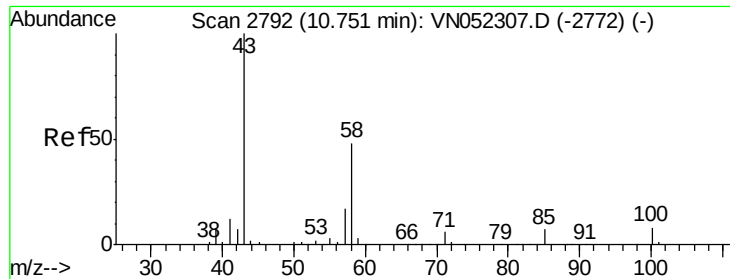
Tgt Ion: 63 Resp: 458249

Ion Ratio Lower Upper

63 100

106 23.7 19.3 28.9





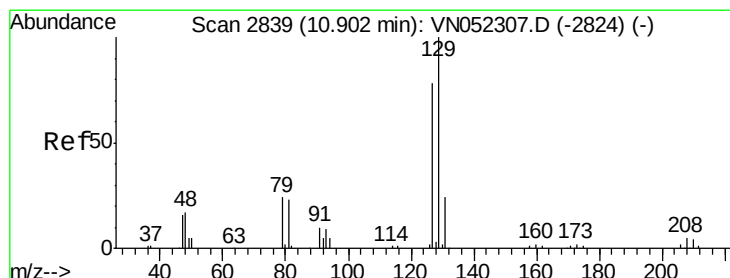
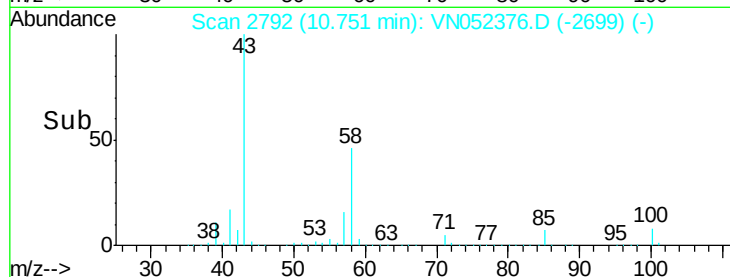
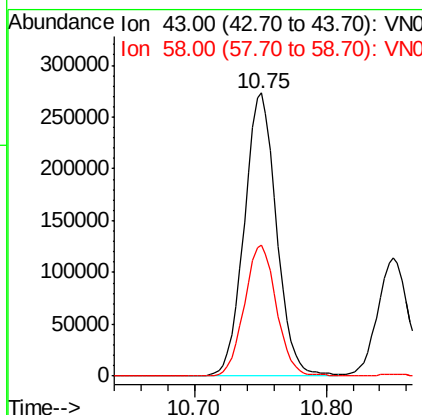
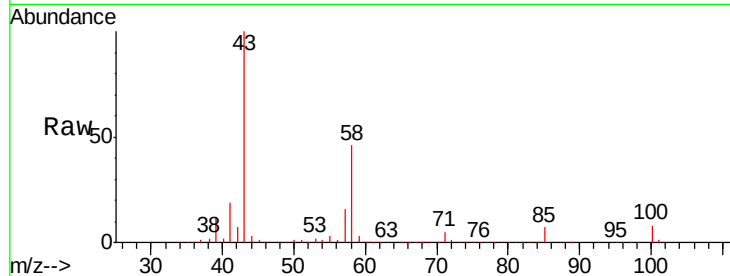
#59
2-Hexanone
Concen: 241.33 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 459619
Ion Ratio Lower Upper
43 100
58 46.4 23.5 70.6

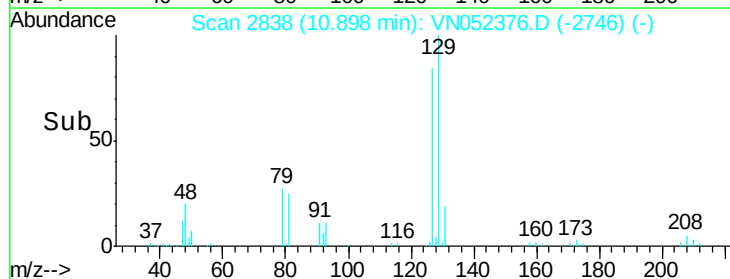
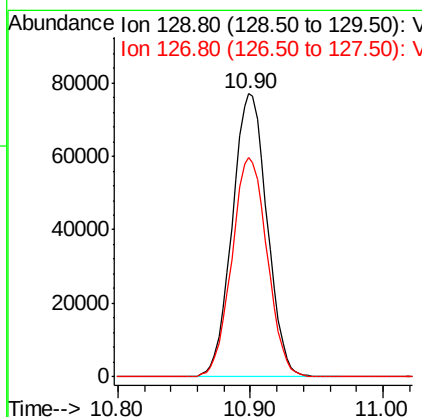
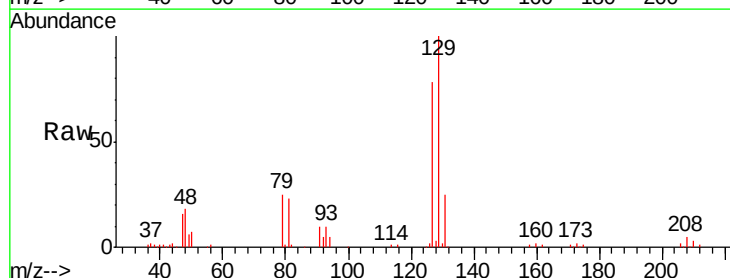
Manual Integrations
APPROVED

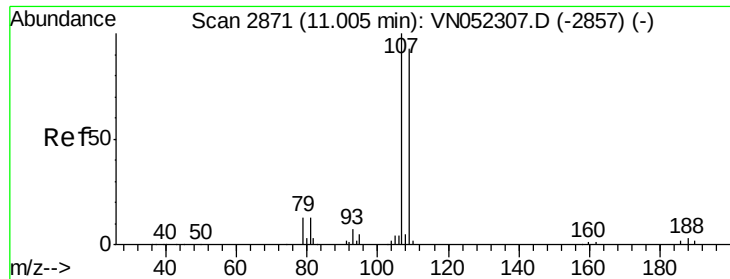
MMDadoda
11/20/2018 11:39:07 AM



#60
Dibromochloromethane
Concen: 53.33 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 129 Resp: 140419
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





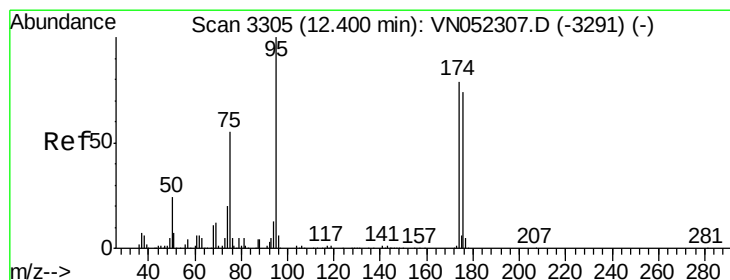
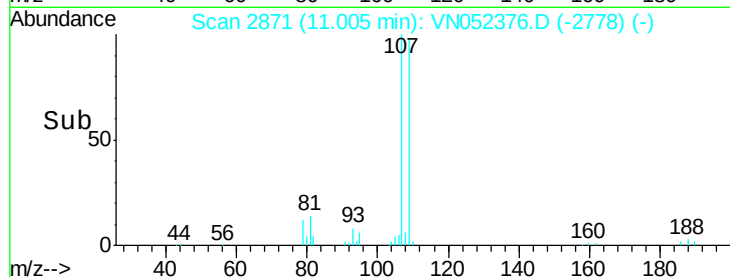
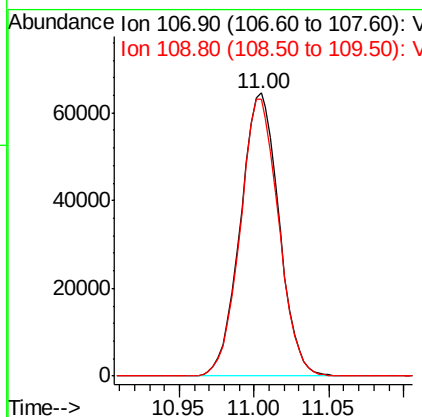
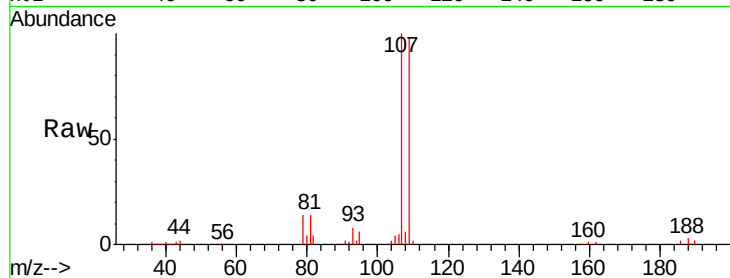
#61
1,2-Dibromoethane
Concen: 47.79 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	115835		
109	97.3	74.9	112.3	

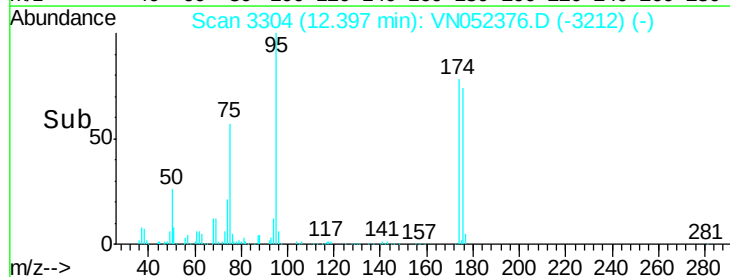
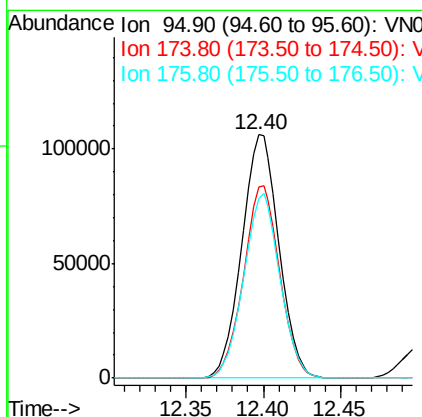
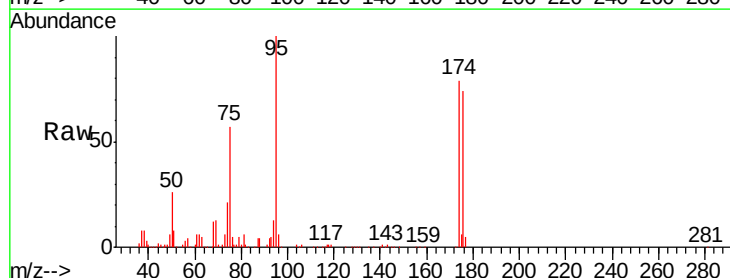
Manual Integrations
APPROVED

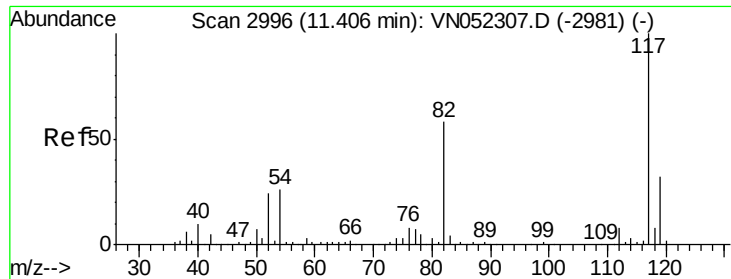
MMDadoda
11/20/2018 11:39:07 AM



#62
4-Bromofluorobenzene
Concen: 47.79 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	177259		
174	77.2	0.0	156.0	
176	74.2	0.0	148.4	





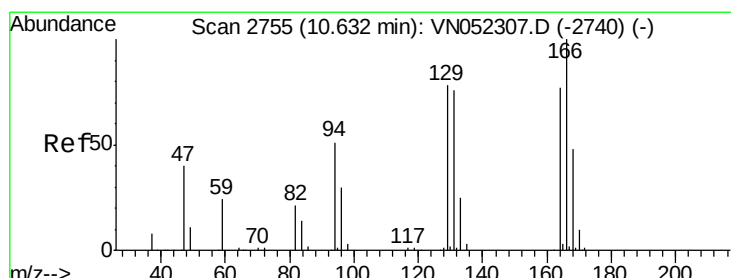
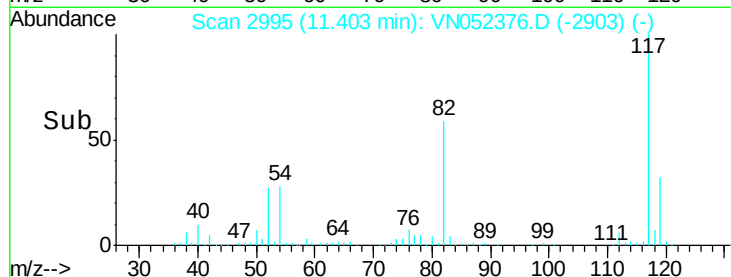
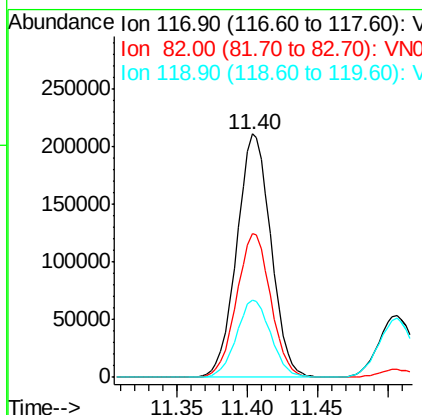
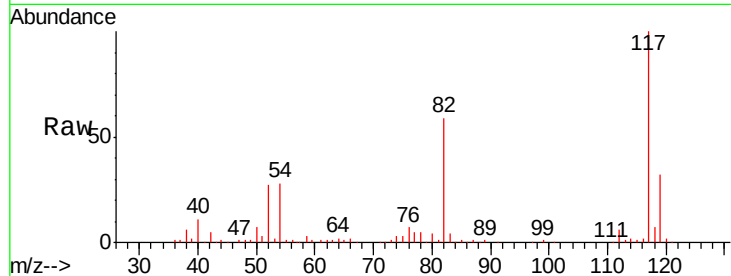
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	359155		
82	58.9	46.5	69.7	
119	31.9	25.7	38.5	

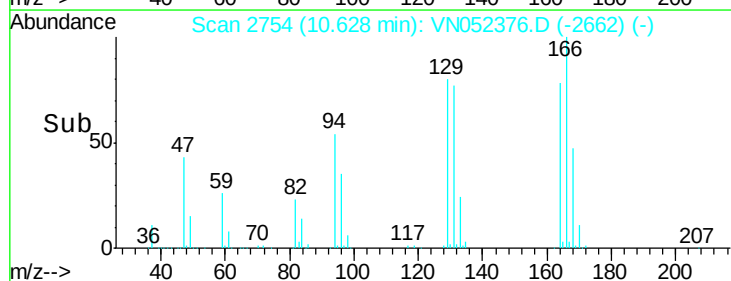
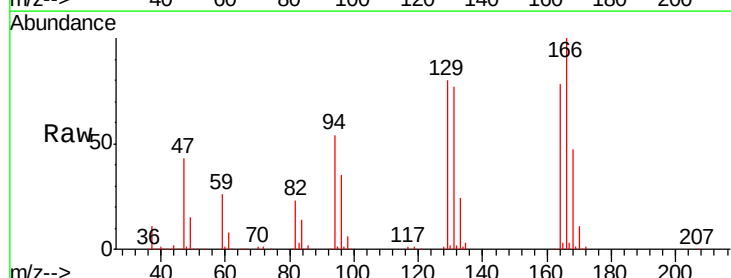
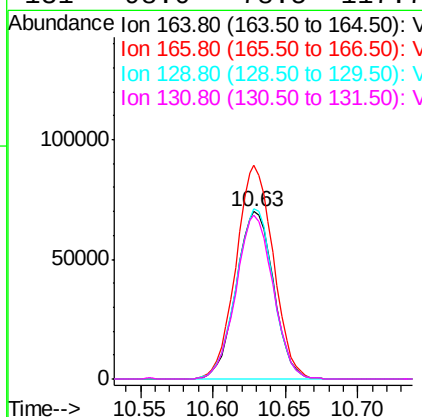
Manual Integrations
APPROVED

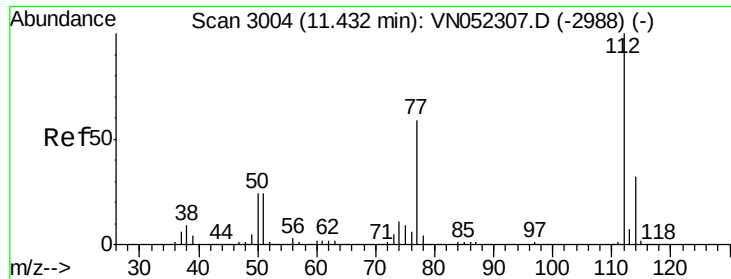
MMDadoda
11/20/2018 11:39:07 AM



#64
Tetrachloroethene
Concen: 49.16 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125529		
166	127.5	103.8	155.6	
129	101.4	80.7	121.1	
131	98.0	78.5	117.7	





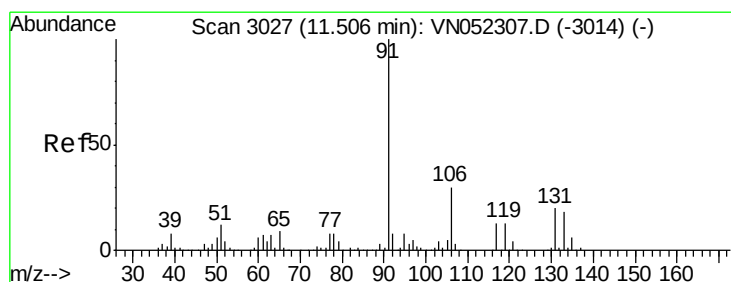
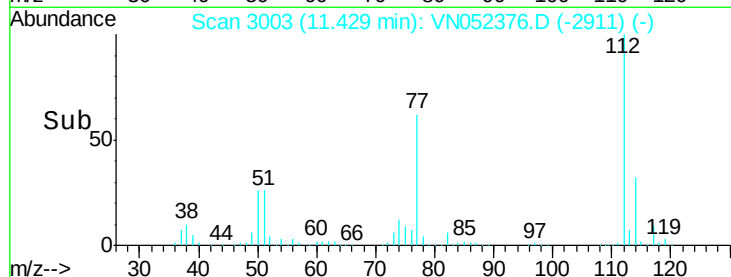
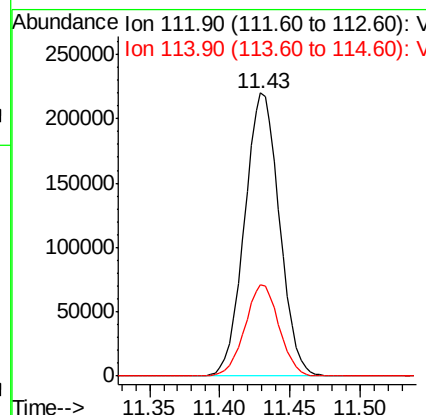
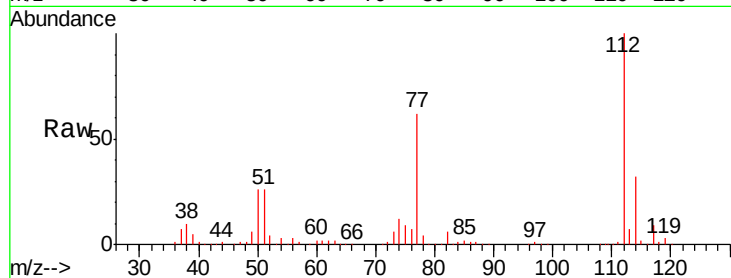
#65
Chlorobenzene
Concen: 50.22 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 381220
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

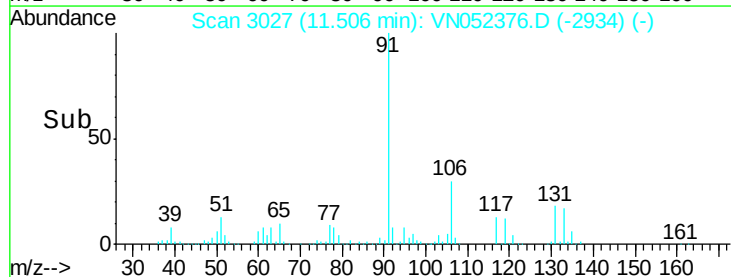
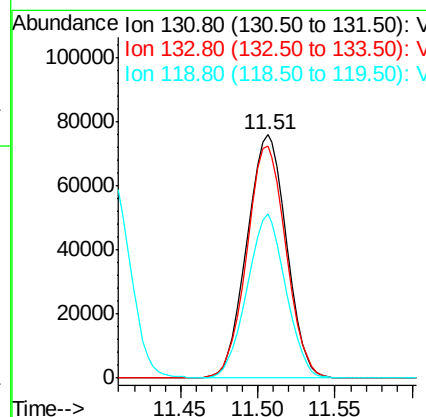
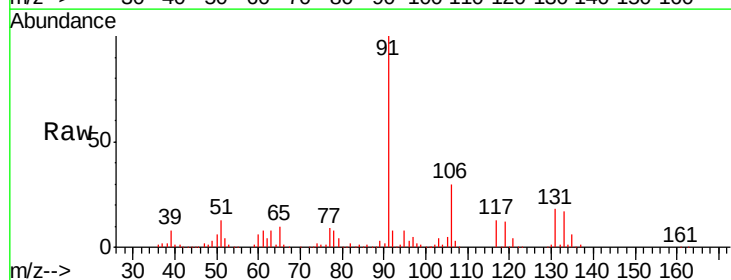
Manual Integrations
APPROVED

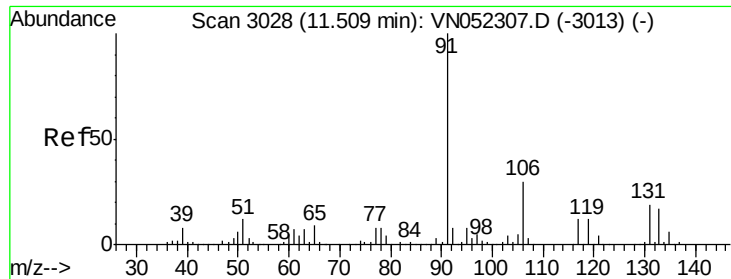
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.12 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:131 Resp: 134929
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 66.0 33.3 99.9





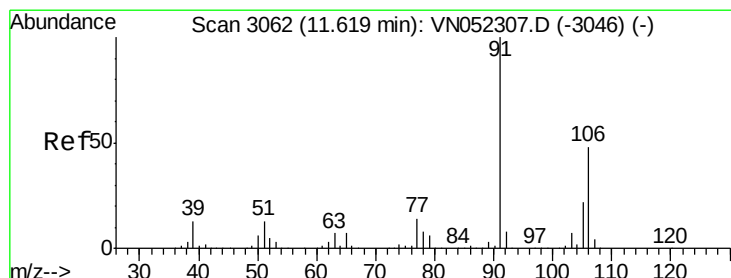
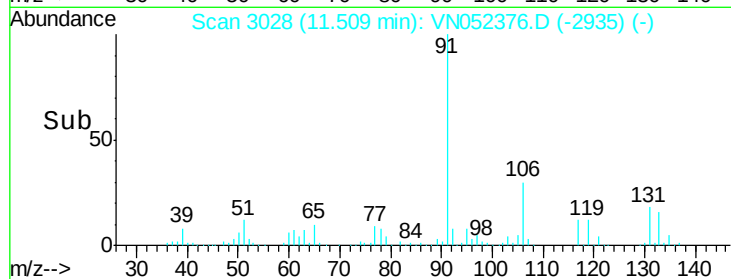
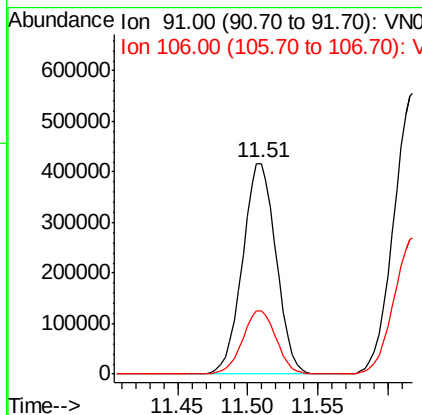
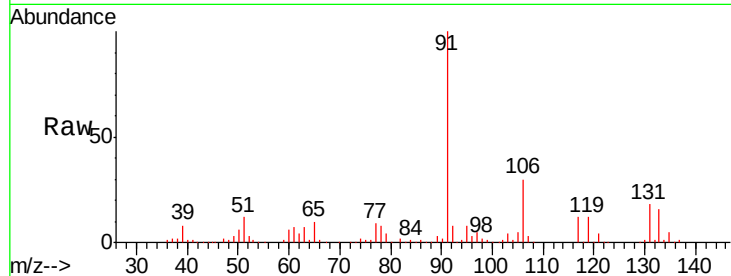
#67
Ethyl Benzene
Concen: 52.76 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 695208
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

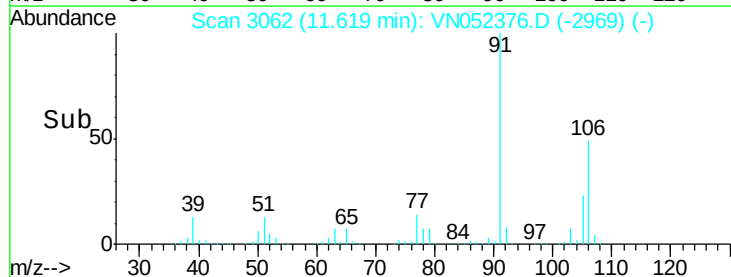
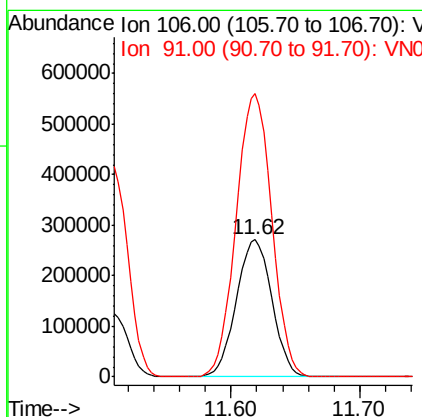
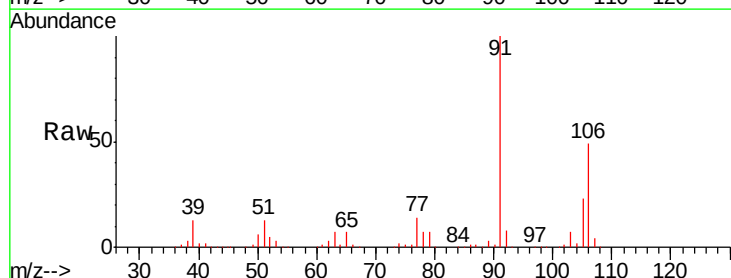
Manual Integrations
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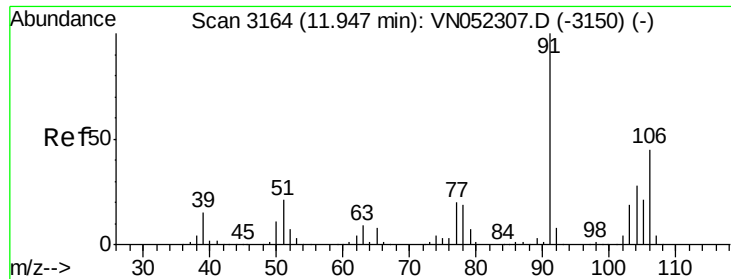
MMDadoda
11/20/2018 11:39:07 AM



#68
m/p-Xylenes
Concen: 108.31 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 106 Resp: 521455
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3





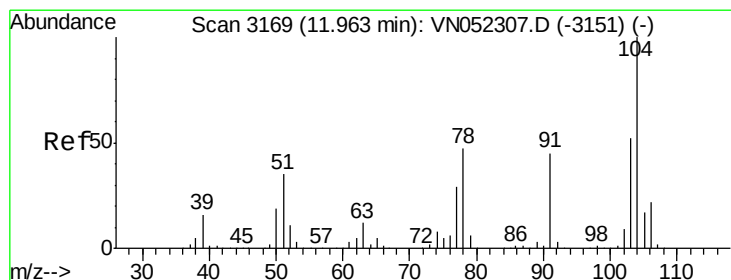
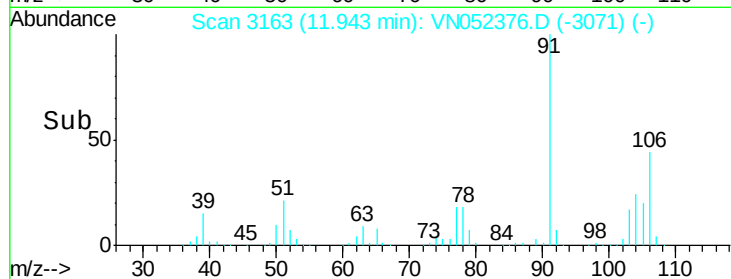
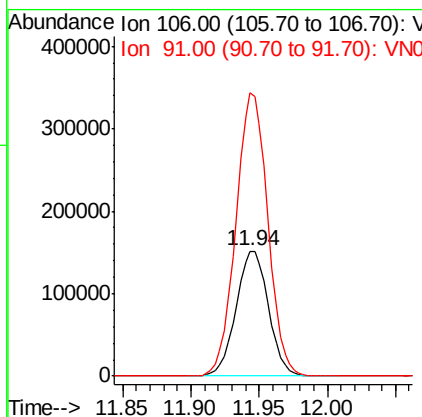
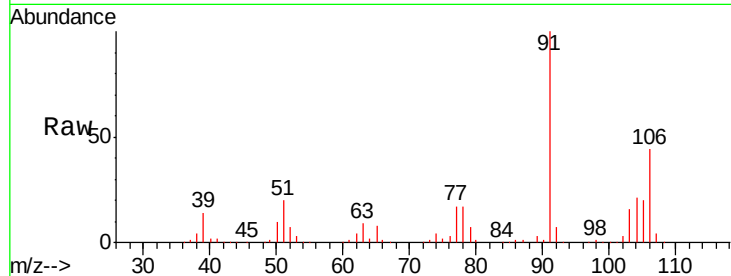
#69
o-Xylene
Concen: 54.19 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 250068
Ion Ratio Lower Upper
106 100
91 222.7 110.0 330.0

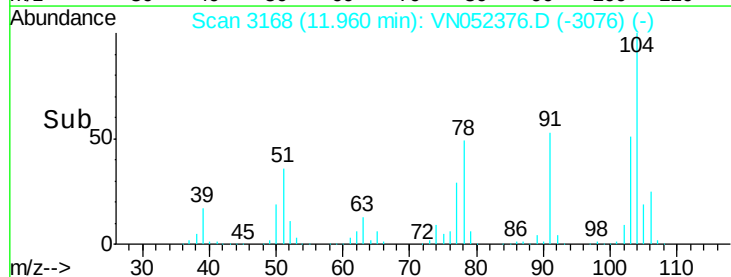
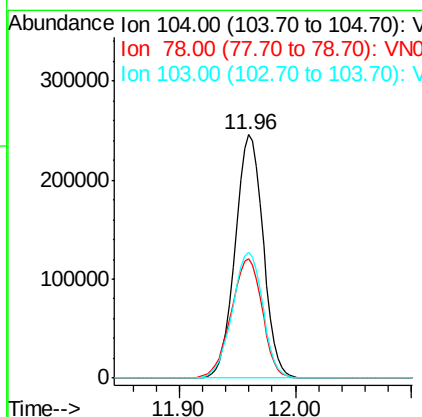
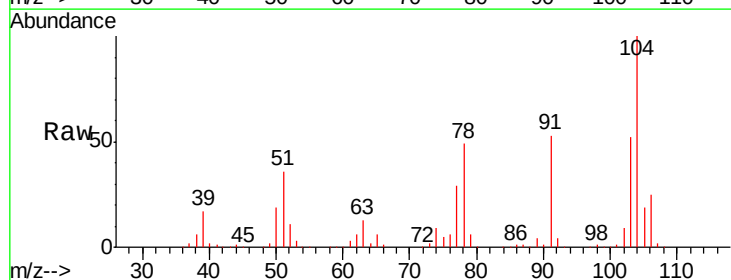
Manual Integrations
APPROVED

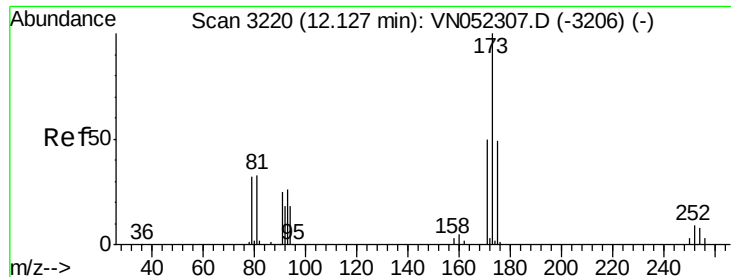
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#70
Styrene
Concen: 55.43 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:104 Resp: 409561
Ion Ratio Lower Upper
104 100
78 54.7 42.7 64.1
103 56.4 45.4 68.0





#71

Bromoform

Concen: 56.37 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

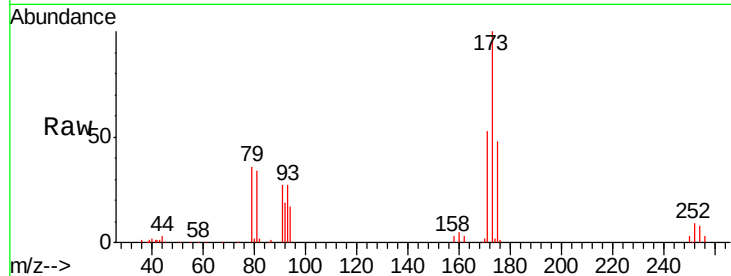
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	25.0	75.0
254	0.1	0.0	0.0

Manual Integrations
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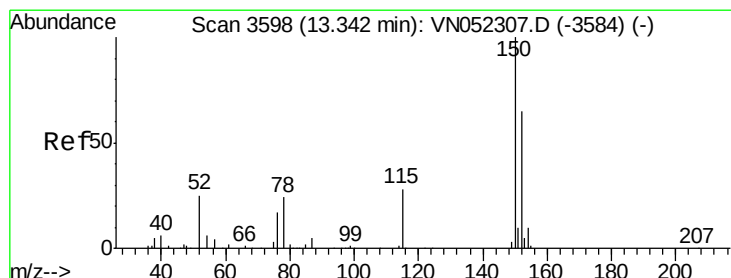
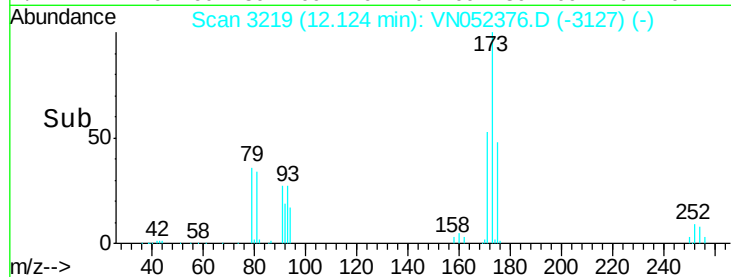
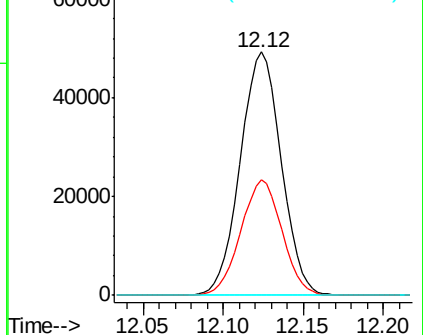
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

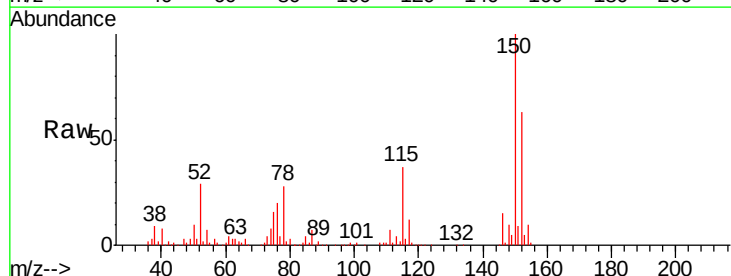
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

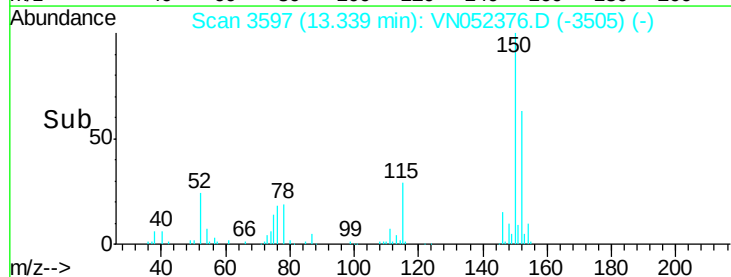
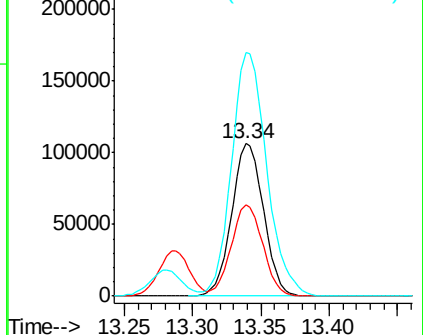
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.3	91.0
150	176.2	0.0	348.2

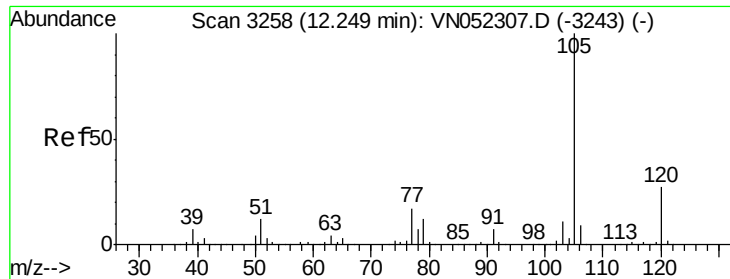


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.37 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 685680

Ion Ratio Lower Upper

105 100

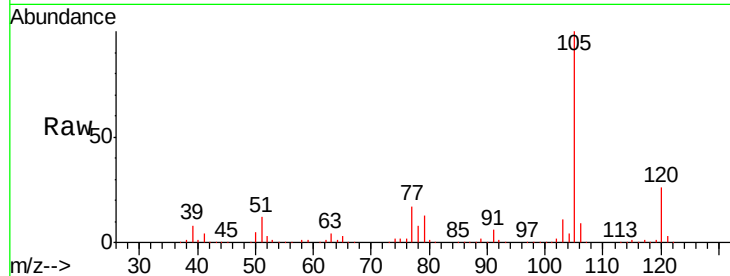
120 26.3 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

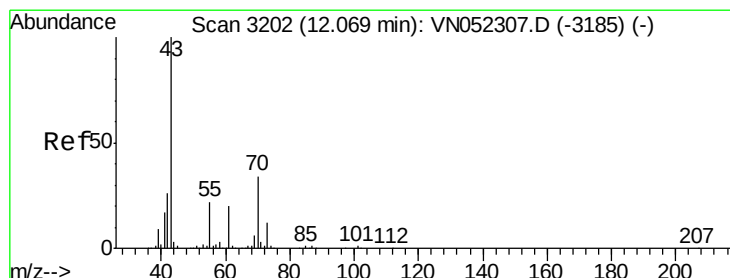
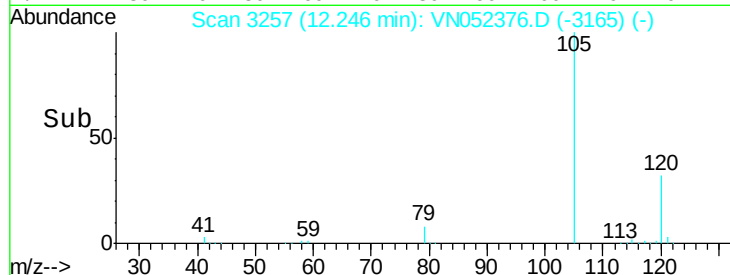
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 39.01 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion: 43 Resp: 192974

Ion Ratio Lower Upper

43 100

70 33.5 27.1 40.7

55 21.8 17.4 26.0

61 20.5 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

200000

150000

100000

50000

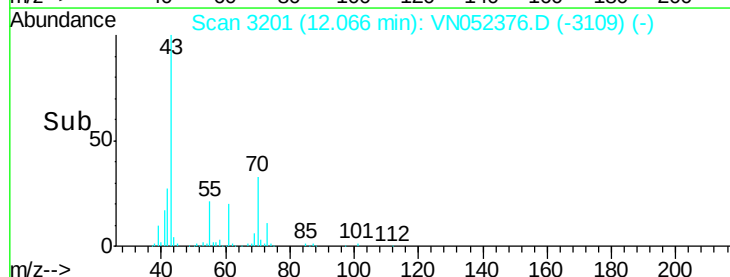
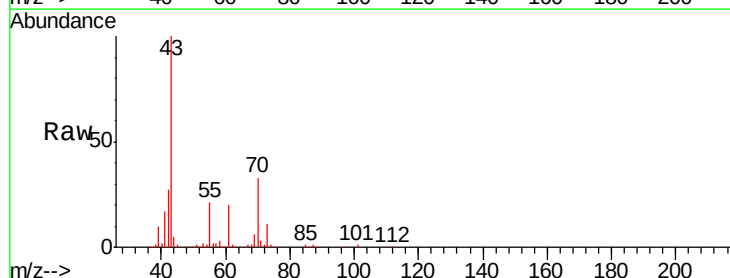
0

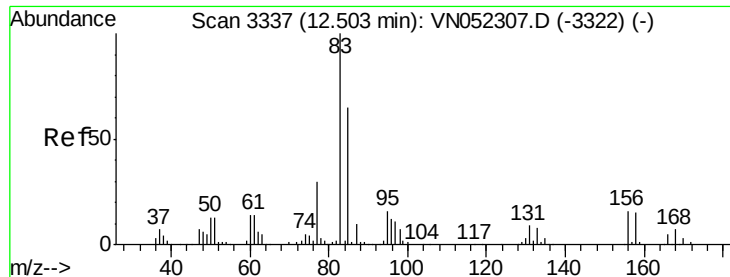
12.00

12.05

12.10

Time-->





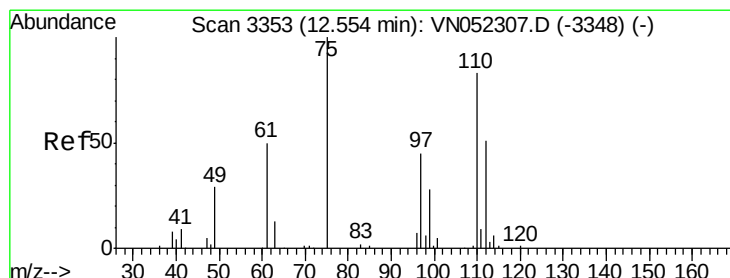
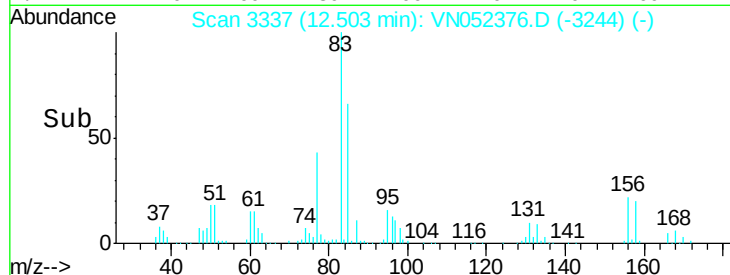
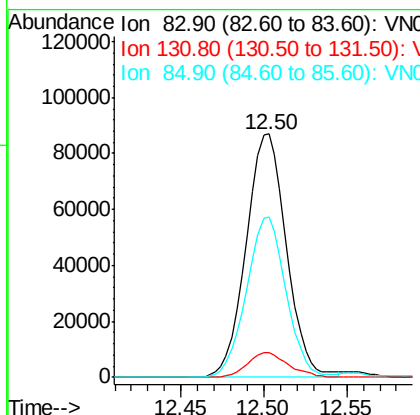
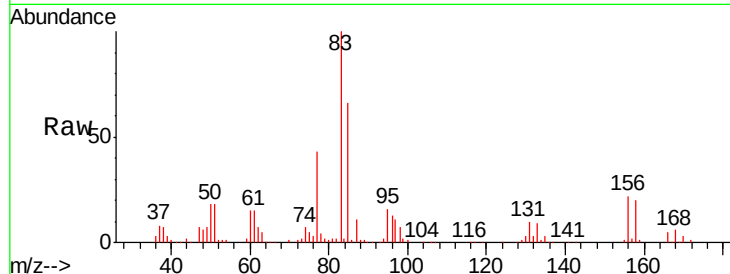
#75
 1,1,2,2-Tetrachloroethane
 Concen: 43.89 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.7	14.1
85	64.5	32.4	97.2

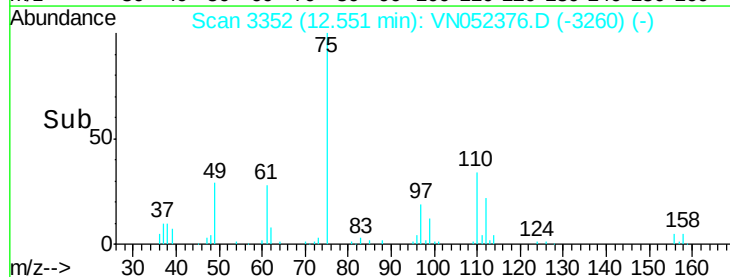
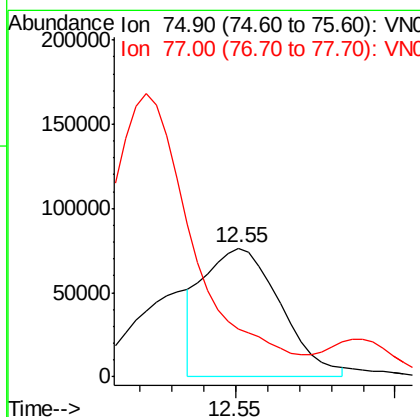
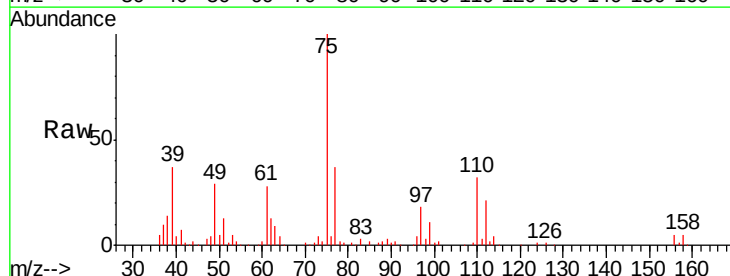
Manual Integrations
 APPROVED

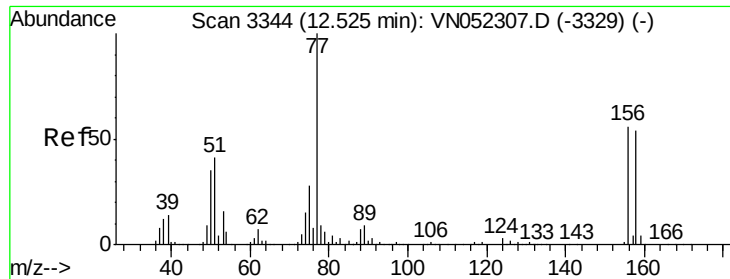
MMDadoda
 11/20/2018 11:39:07 AM



#76
 1,2,3-Trichloropropane
 Concen: 43.43 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.57 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

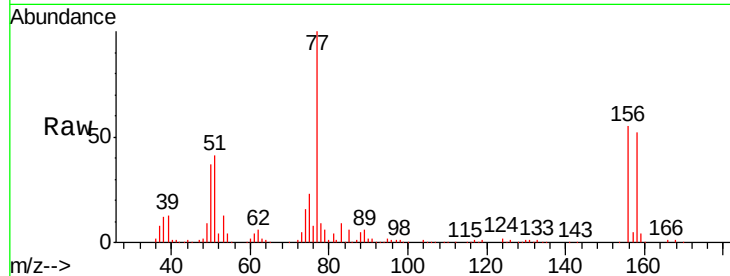
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	153726
Ion Ratio	Lower	Upper	
156	100		
77	210.0	103.6	310.9
158	95.6	48.1	144.4

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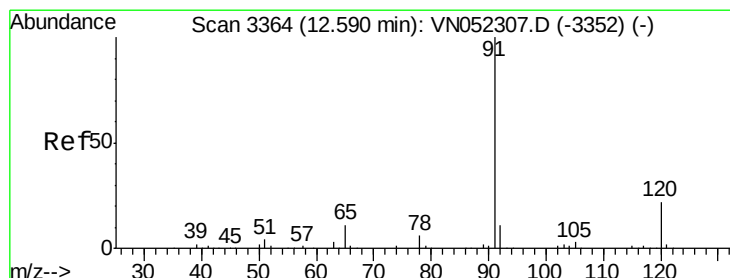
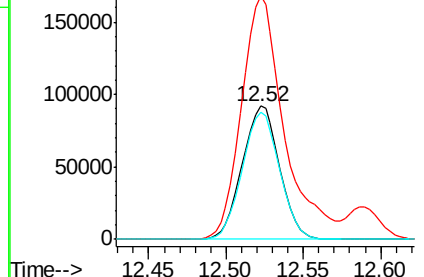
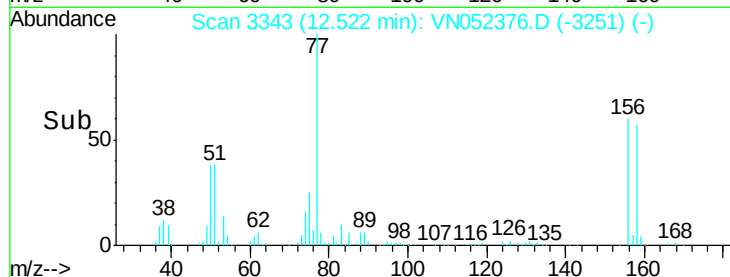
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.06 ug/l

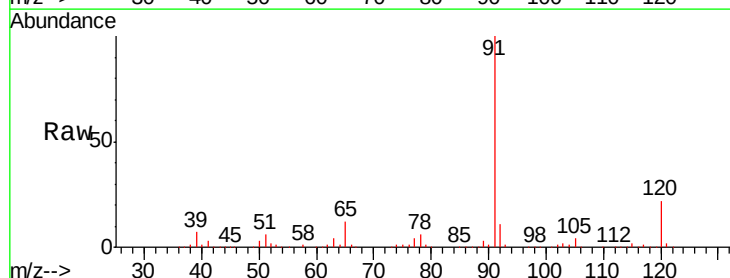
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN052376.D

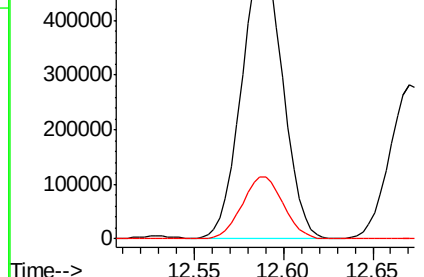
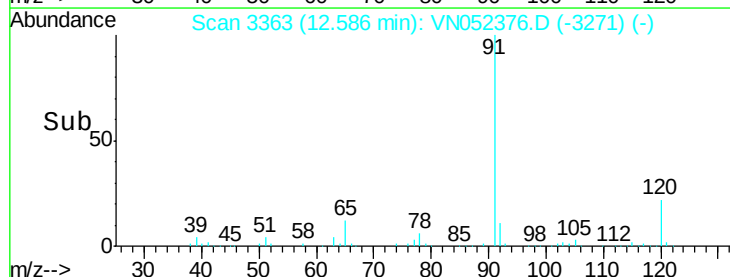
Acq: 19 Nov 2018 10:18

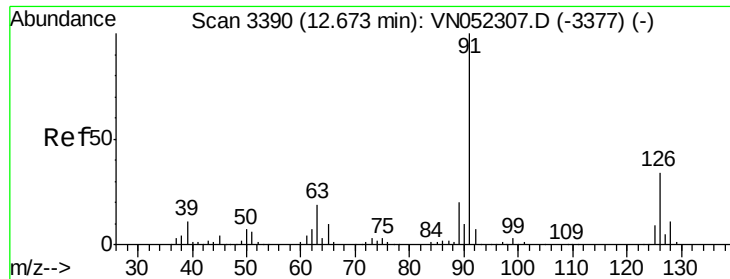
Tgt Ion:	91	Resp:	829287
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





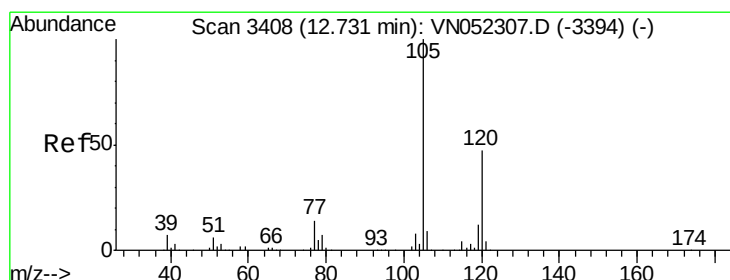
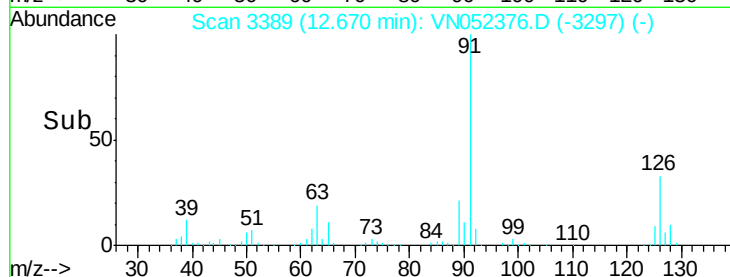
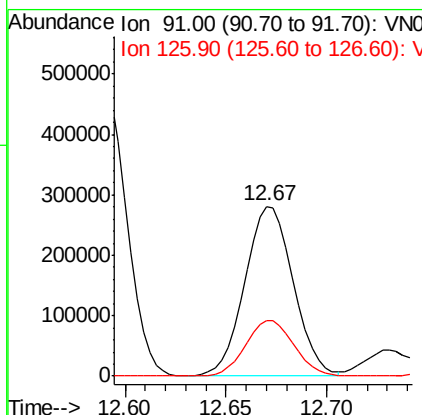
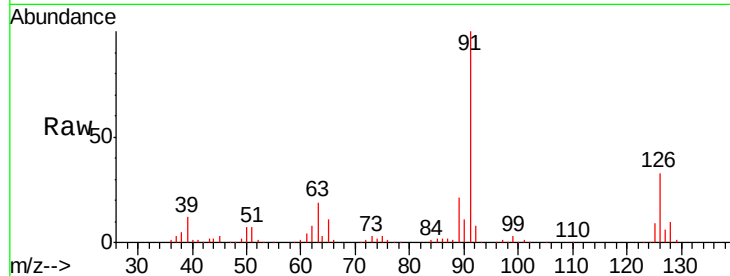
#79
 2-Chlorotoluene
 Concen: 49.61 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 470782
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0

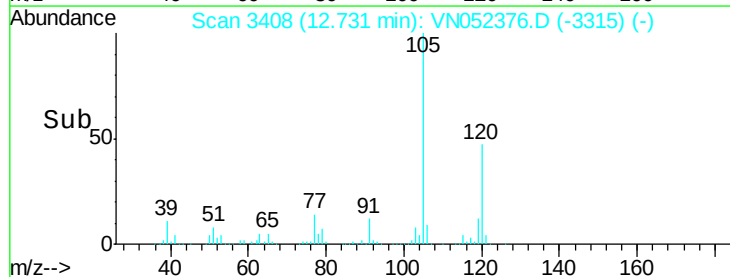
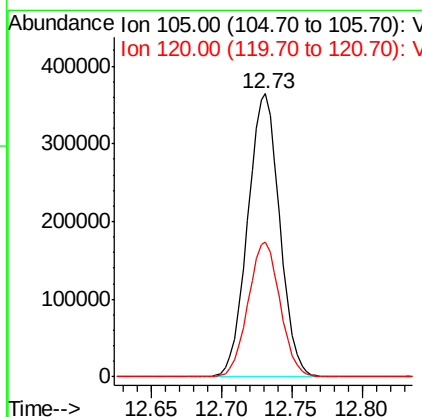
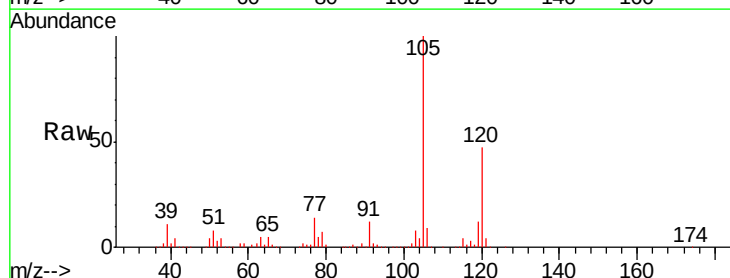
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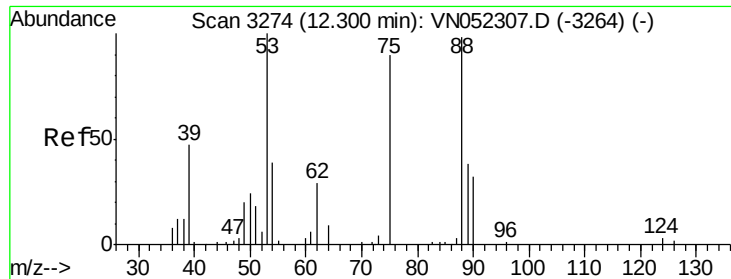
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.29 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 105 Resp: 577523
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 44.85 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 40532

Ion Ratio Lower Upper

75 100

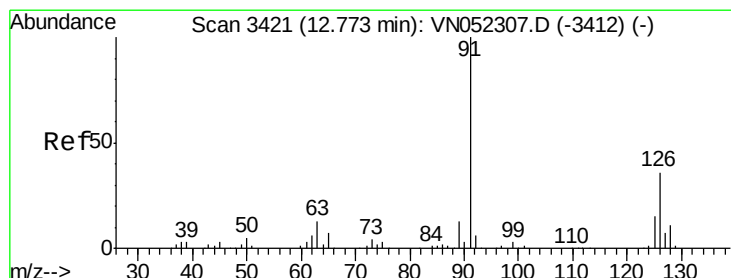
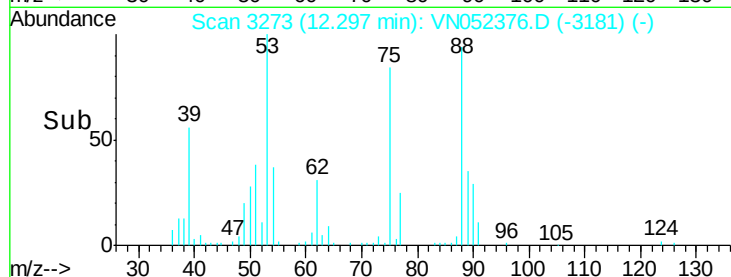
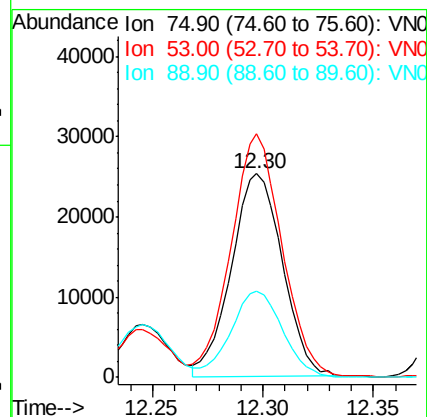
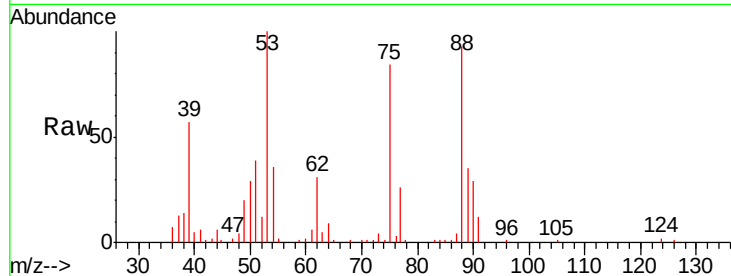
53 121.4 90.2 135.2

89 43.2 35.4 53.0

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#82

4-Chlorotoluene

Concen: 50.71 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052376.D

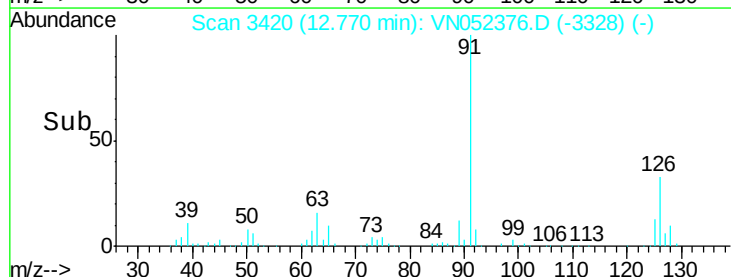
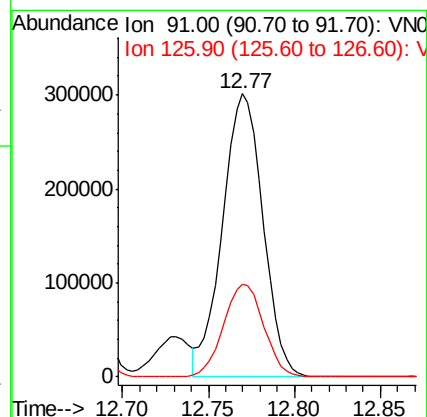
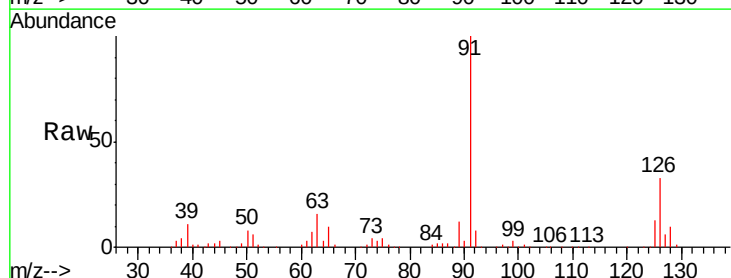
Acq: 19 Nov 2018 10:18

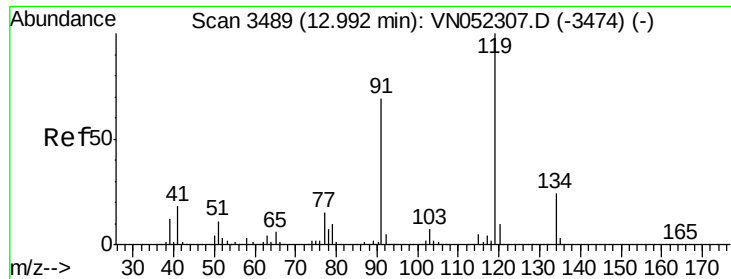
Tgt Ion: 91 Resp: 492958

Ion Ratio Lower Upper

91 100

126 32.7 17.0 50.9





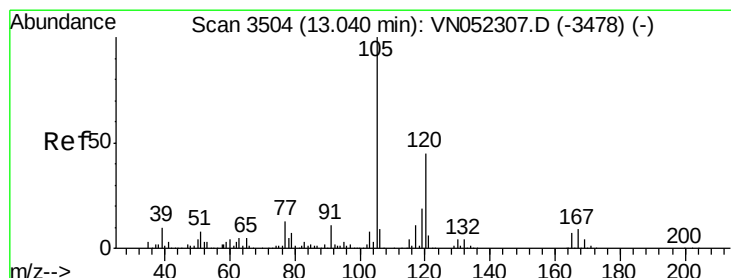
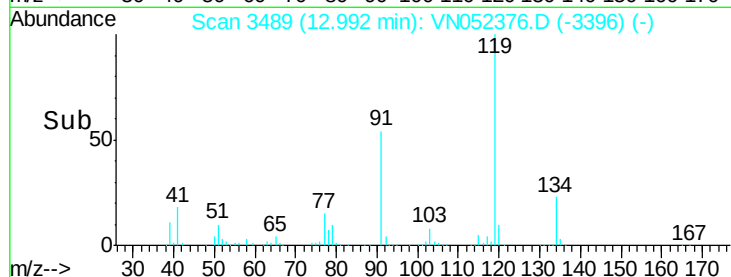
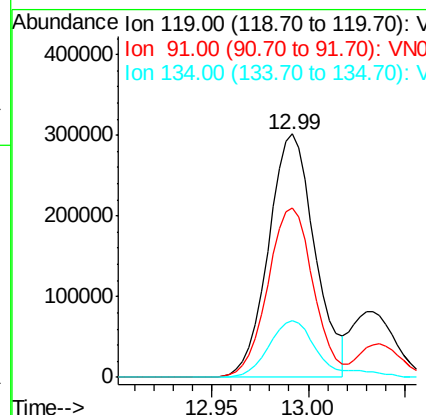
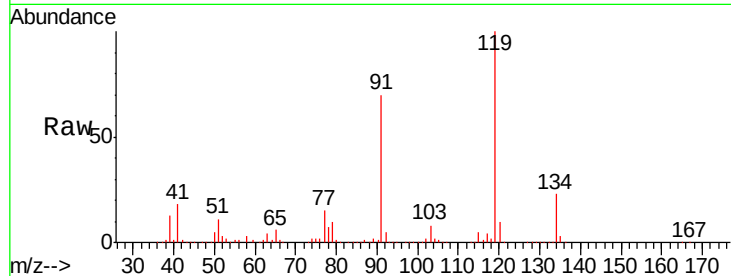
#83
 tert-Butylbenzene
 Concen: 51.70 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	504106		
91	68.1	33.8	101.3	
134	25.1	11.9	35.9	

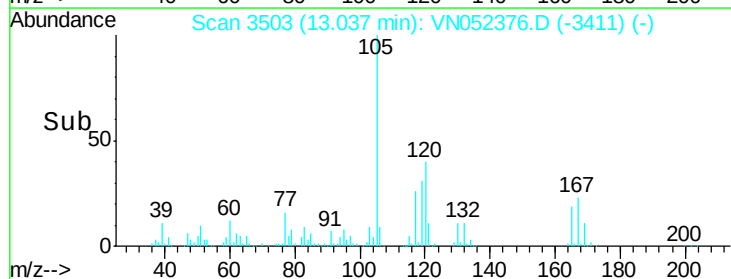
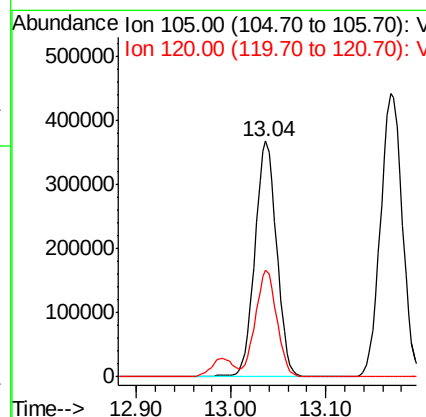
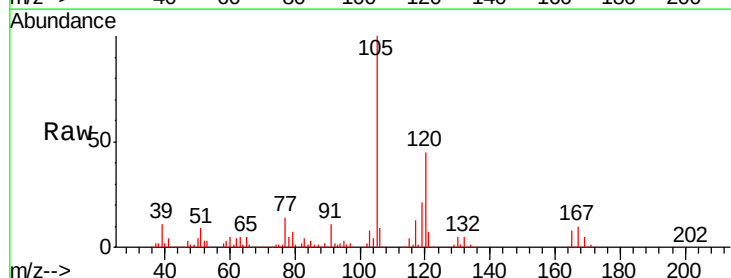
Manual Integrations
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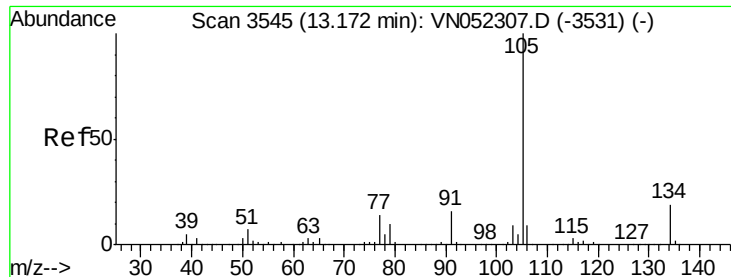
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.86 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	586082		
120	44.7	22.5	67.5	





#85

sec-Butylbenzene

Concen: 52.98 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 703667

Ion Ratio Lower Upper

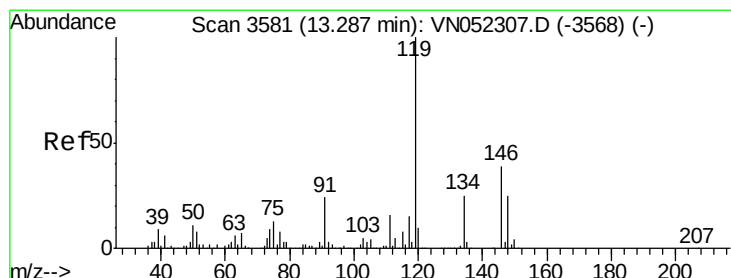
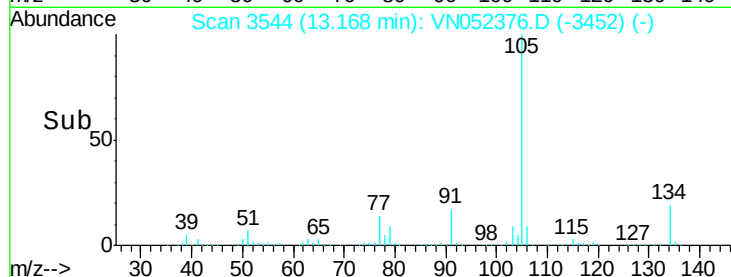
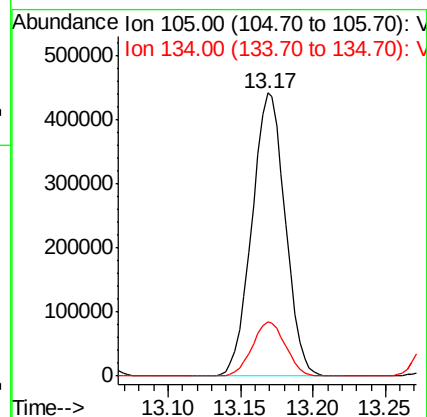
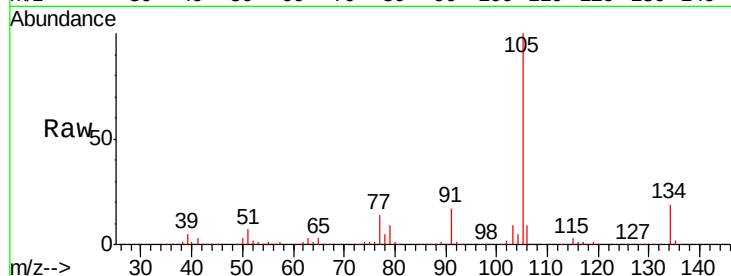
105 100

134 19.3 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.87 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

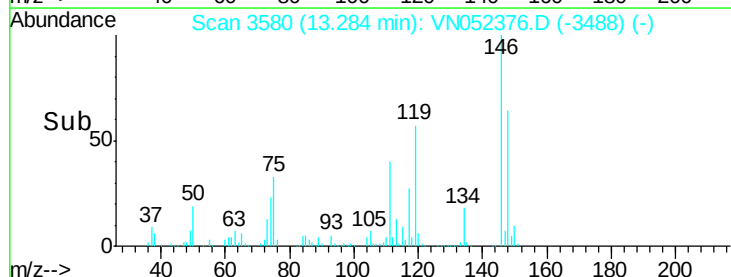
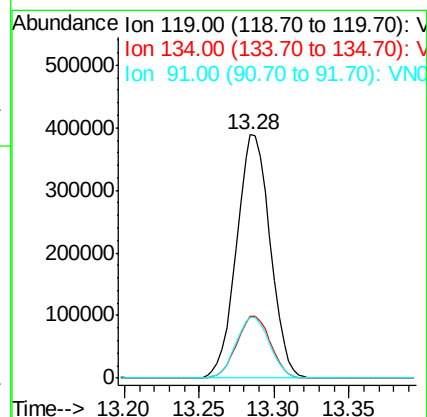
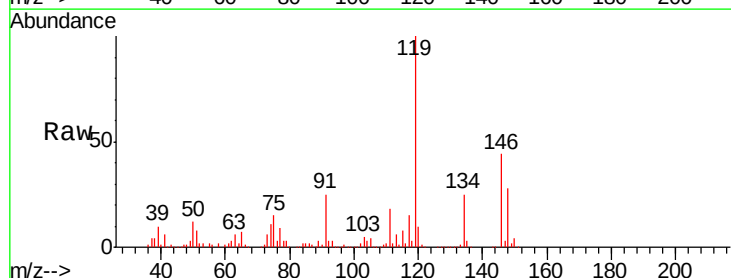
Tgt Ion:119 Resp: 606167

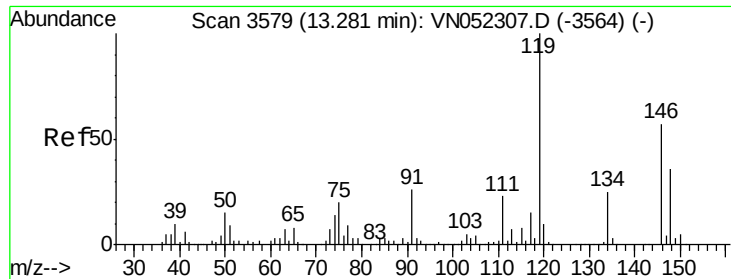
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.86 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

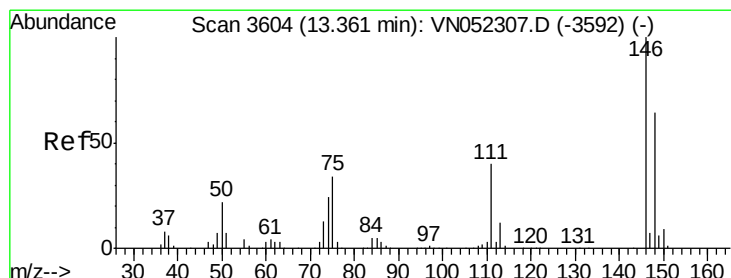
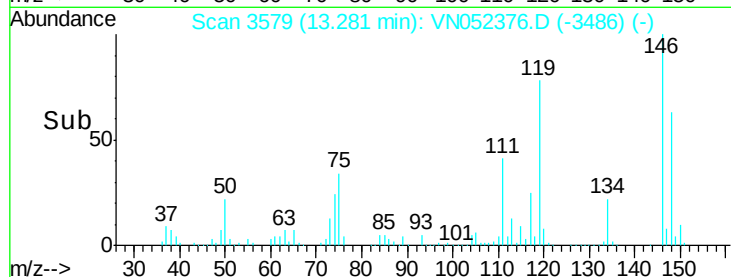
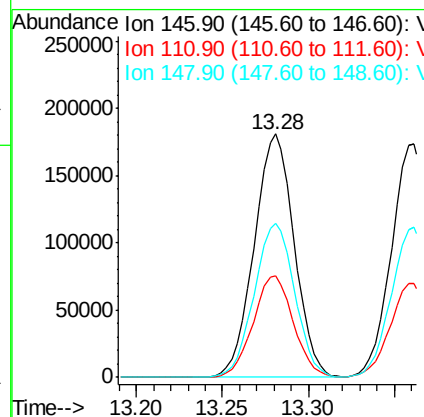
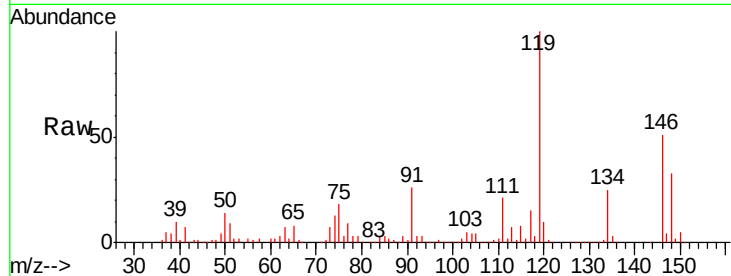
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291903		
111	41.9	20.3	61.0	
148	64.0	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.18 ug/l

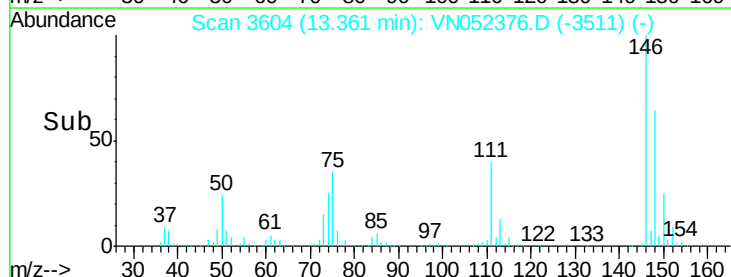
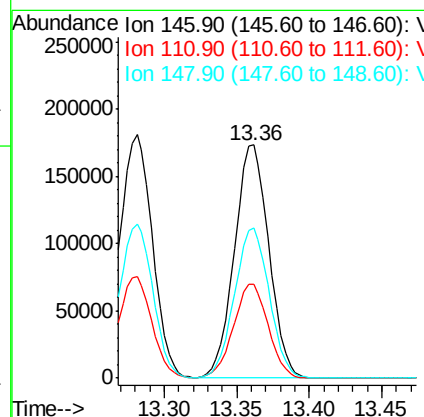
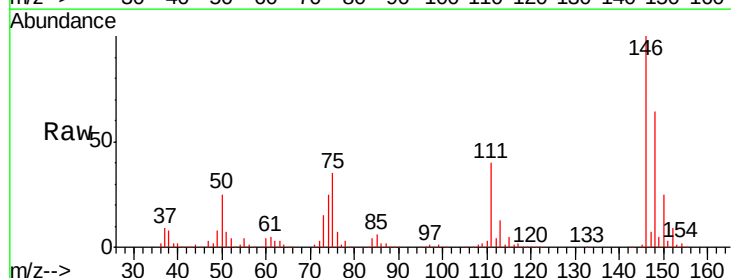
RT: 13.36 min Scan# 3604

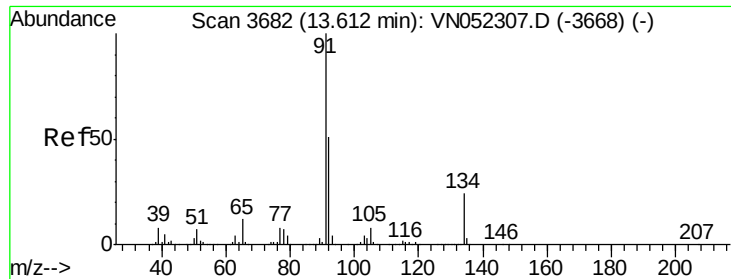
Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286339		
111	40.3	20.6	61.8	
148	64.9	32.4	97.2	





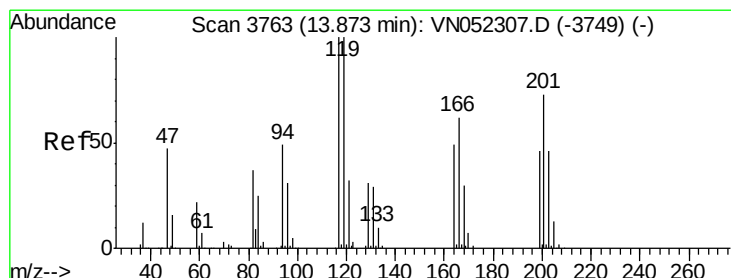
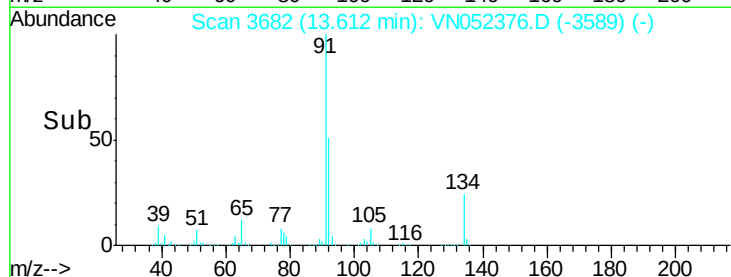
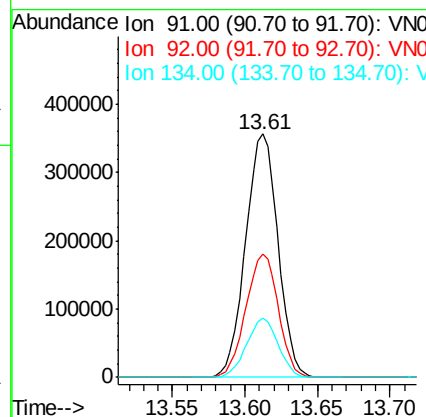
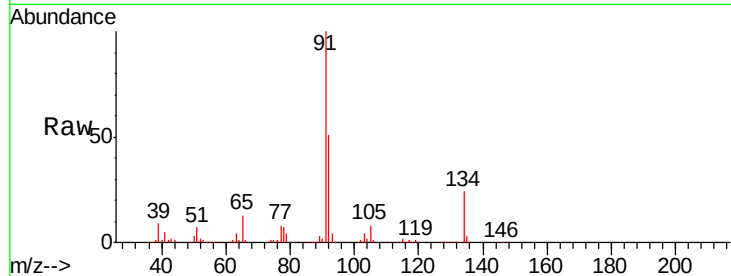
#89
n-Butylbenzene
Concen: 57.31 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.4	76.2
134	23.8	12.2	36.4

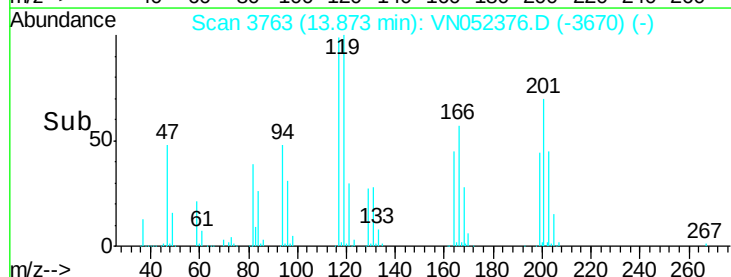
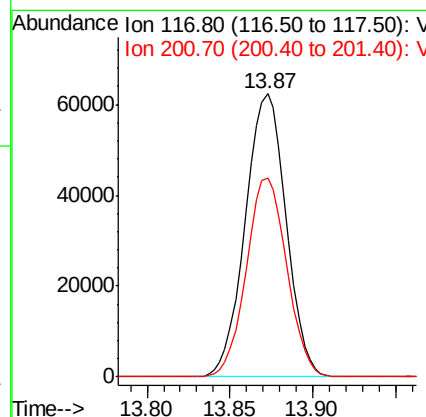
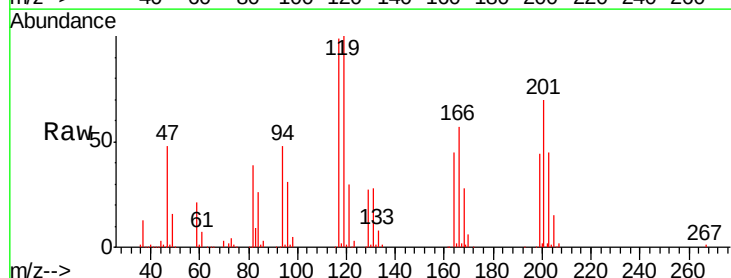
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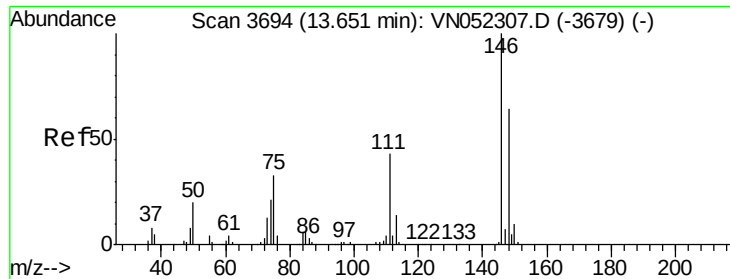
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#90
Hexachloroethane
Concen: 53.66 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.3	105.9





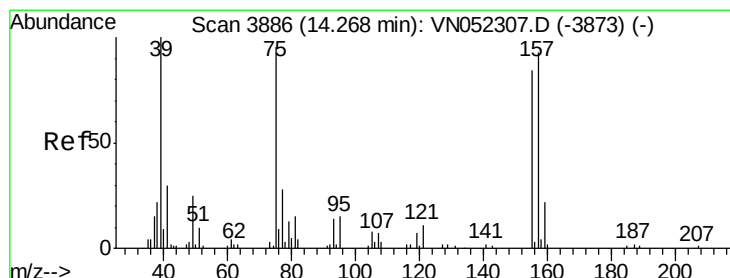
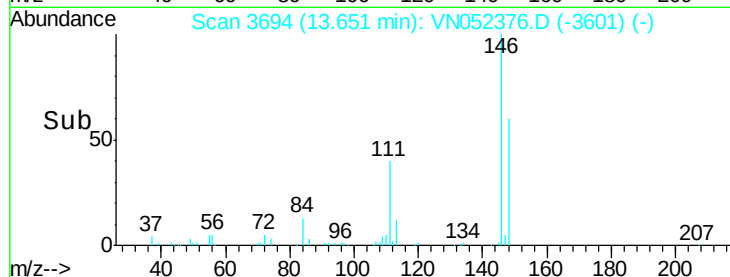
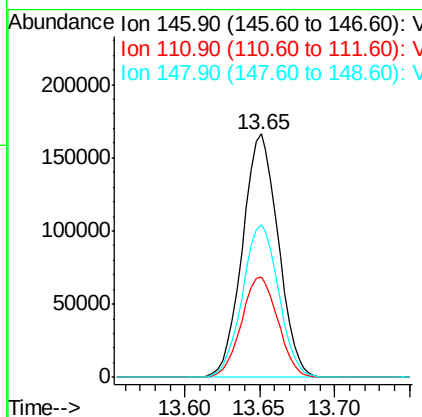
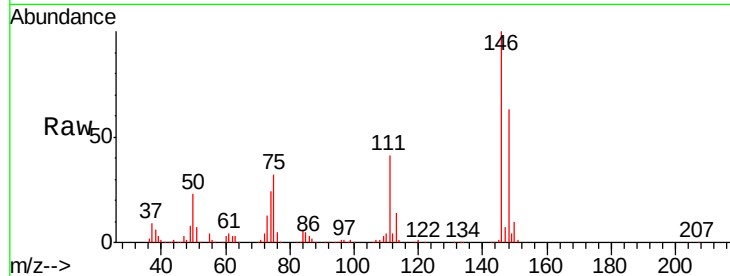
#91
 1,2-Dichlorobenzene
 Concen: 49.85 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.9
148	63.5	31.6	94.8

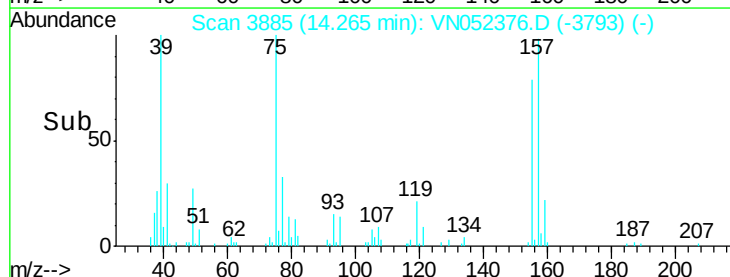
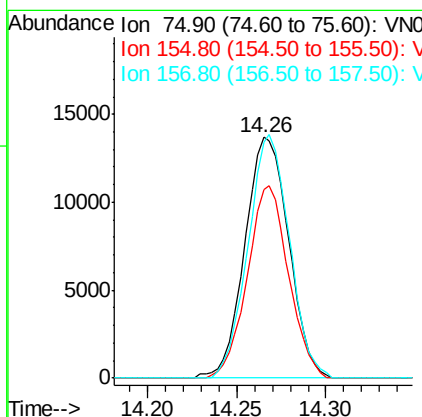
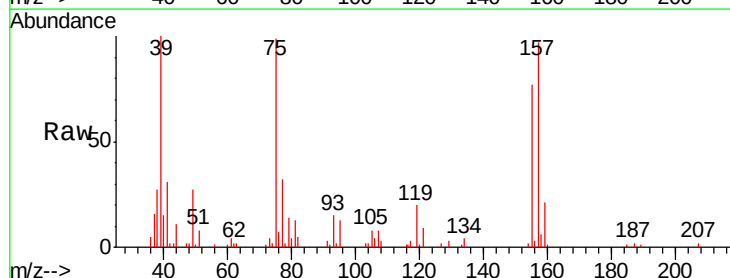
Manual Integrations
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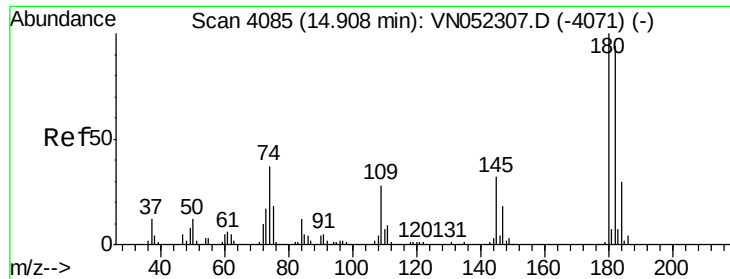
MMDadoda
 11/20/2018 11:39:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.49 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	42.4	127.3
157	95.7	49.6	149.0





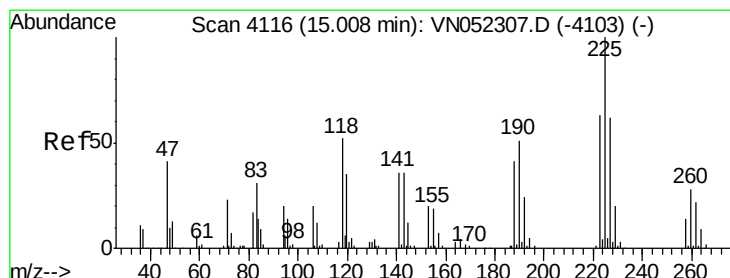
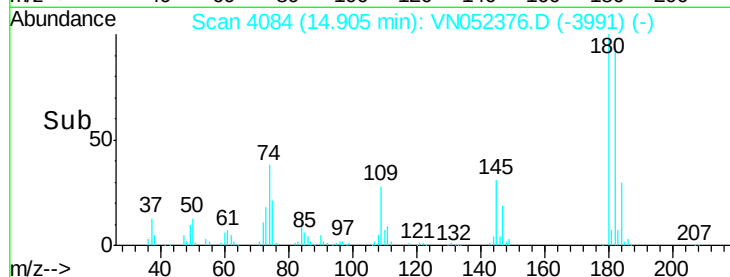
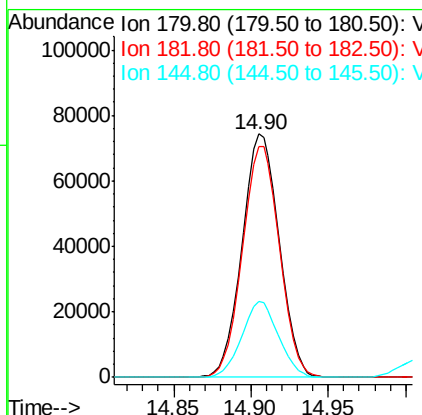
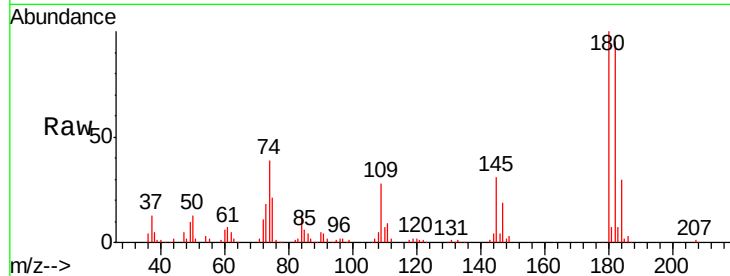
#93
 1,2,4-Trichlorobenzene
 Concen: 48.04 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	30.8	15.5	46.5

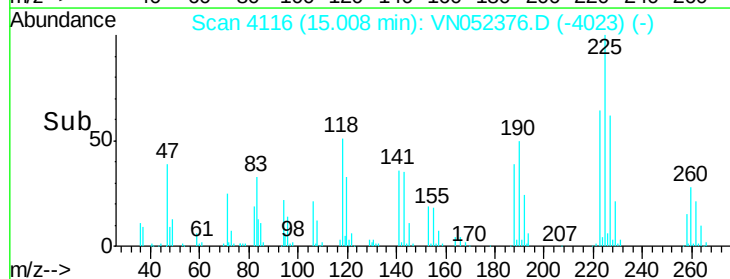
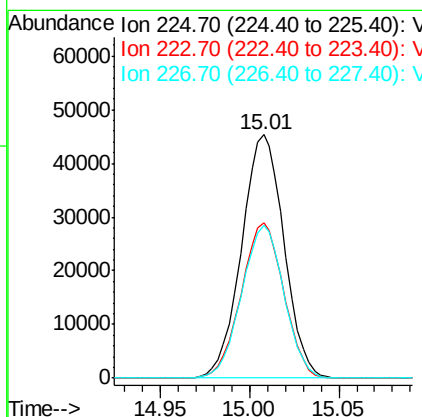
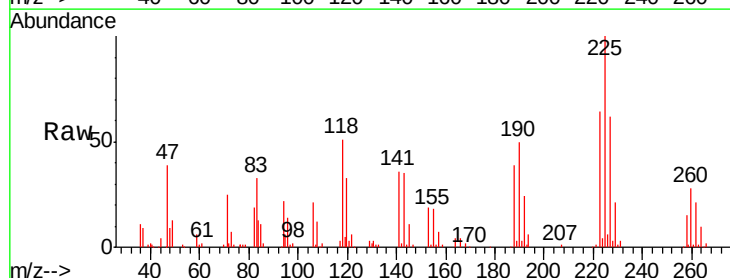
Manual Integrations
 APPROVED

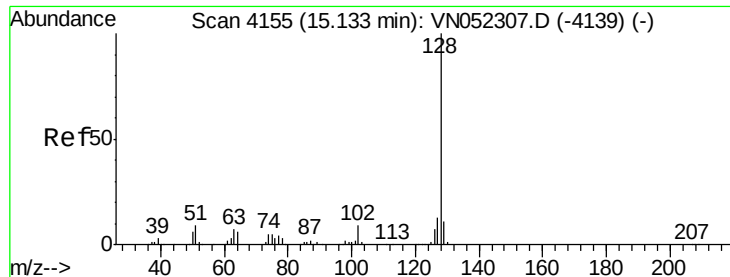
MMDadoda
 11/20/2018 11:39:07 AM



#94
 Hexachlorobutadiene
 Concen: 59.28 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.5
227	62.9	31.6	95.0





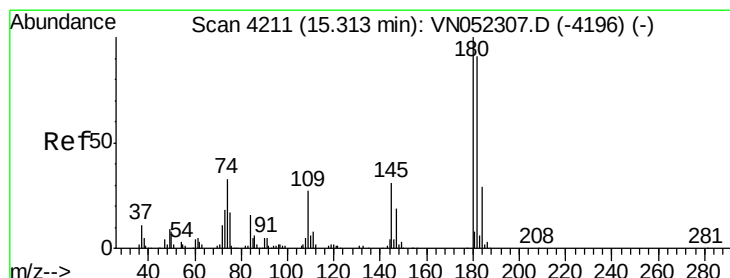
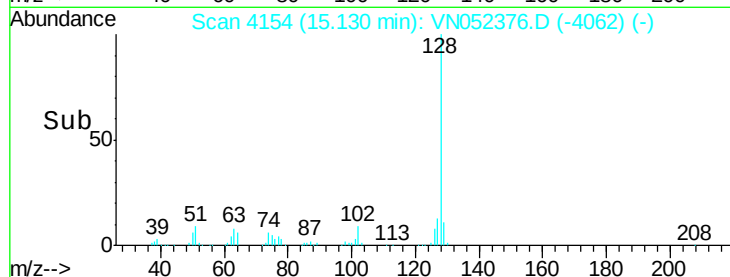
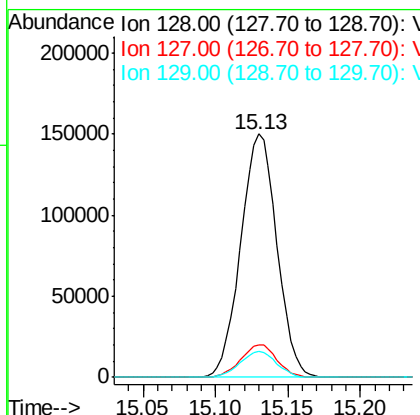
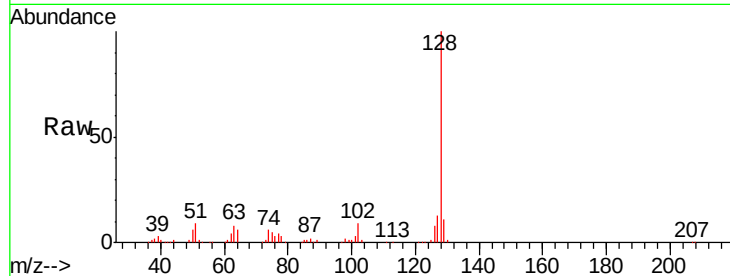
#95
Naphthalene
Concen: 43.05 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	260889		
127	13.4		10.4	15.6
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 11:39:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.00 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107746		
182	94.5		46.5	139.3
145	33.1		16.4	49.2

