

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
 Data File : VN052453.D
 Acq On : 21 Nov 2018 21:50
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 4:56:49 PM

Quant Time: Nov 22 01:32:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	263167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	446901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	400069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184127	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	207206	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
35) Dibromofluoromethane	7.59	113	149363	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.09	98	556599	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	196631	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	135456	48.57	ug/l	99
3) Chloromethane	2.06	50	181904	46.94	ug/l	98
4) Vinyl Chloride	2.19	62	158186	47.22	ug/l	98
5) Bromomethane	2.57	94	92818	44.44	ug/l	97
6) Chloroethane	2.71	64	91896	48.52	ug/l	97
7) Trichlorofluoromethane	3.02	101	239632	51.69	ug/l	98
8) Diethyl Ether	3.41	74	83439	47.23	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	140650	48.04	ug/l	97
10) Methyl Iodide	3.96	142	170779	43.45	ug/l	96
11) Tert butyl alcohol	4.78	59	45400	231.29	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	126070	46.54	ug/l	97
13) Acrolein	3.61	56	74837	252.53	ug/l	100
14) Allyl chloride	4.33	41	284470	51.14	ug/l	99
15) Acrylonitrile	4.99	53	274347	244.77	ug/l	97
16) Acetone	3.82	43	229438	224.19	ug/l	92
17) Carbon Disulfide	4.06	76	361897	46.59	ug/l	100
18) Methyl Acetate	4.33	43	150997	52.63	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	403865	51.88	ug/l	99
20) Methylene Chloride	4.55	84	159427	51.22	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	137141	47.02	ug/l	94
22) Diisopropyl ether	5.95	45	604624	53.27	ug/l	100
23) Vinyl Acetate	5.90	43	2016189	261.87	ug/l	99
24) 1,1-Dichloroethane	5.85	63	309110	50.79	ug/l	99
25) 2-Butanone	6.84	43	353735	245.57	ug/l	97
26) 2,2-Dichloropropane	6.82	77	202559	45.26	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163880	48.26	ug/l	95
28) Bromochloromethane	7.20	49	160513	51.29	ug/l	97
29) Tetrahydrofuran	7.21	42	231210	244.33	ug/l	100
30) Chloroform	7.37	83	306743	52.89	ug/l	97
31) Cyclohexane	7.65	56	275877	48.80	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	256352	51.88	ug/l	97
36) 1,1-Dichloropropene	7.79	75	227520	50.79	ug/l	98
37) Ethyl Acetate	6.93	43	160423	49.35	ug/l	97
38) Carbon Tetrachloride	7.78	117	222119	53.97	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	247734	48.45	ug/l	97
40) Benzene	8.04	78	636695	49.76	ug/l	98
41) Methacrylonitrile	7.17	41	89219	49.46	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	254246	55.72	ug/l	98
43) Isopropyl Acetate	8.17	43	304820	48.59	ug/l	99
44) Trichloroethene	8.84	130	159213	50.51	ug/l	100
45) 1,2-Dichloropropane	9.12	63	182561	50.27	ug/l	100
46) Dibromomethane	9.21	93	109546	52.11	ug/l	95
47) Bromodichloromethane	9.40	83	235010	54.47	ug/l	98
48) Methyl methacrylate	9.20	41	158081	49.66	ug/l	96
49) 1,4-Dioxane	9.20	88	24085	985.70	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	839591	265.89	ug/l	98
52) Toluene	10.16	92	391274	51.11	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	225956	51.93	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	258065	52.03	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	139020	50.10	ug/l	99
56) Ethyl methacrylate	10.43	69	186384	51.07	ug/l	95
57) 1,3-Dichloropropane	10.71	76	255751	52.03	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	549601	264.52	ug/l	99
59) 2-Hexanone	10.75	43	549584	253.04	ug/l	98
60) Dibromochloromethane	10.90	129	160306	53.39	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138277	50.02	ug/l	99
64) Tetrachloroethene	10.63	164	141134	49.62	ug/l	97
65) Chlorobenzene	11.43	112	422063	49.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153374	53.19	ug/l	98
67) Ethyl Benzene	11.51	91	769644	52.44	ug/l	98
68) m/p-Xylenes	11.62	106	562064	104.81	ug/l	97
69) o-Xylene	11.95	106	272140	52.94	ug/l	97
70) Styrene	11.96	104	442683	53.78	ug/l	98
71) Bromoform	12.12	173	96290	56.55	ug/l #	98
73) Isopropylbenzene	12.25	105	749264	50.61	ug/l	99
74) N-amyl acetate	12.07	43	260169	49.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171576	47.95	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	153710m	49.20	ug/l	
77) Bromobenzene	12.53	156	169262	49.14	ug/l	98
78) n-propylbenzene	12.59	91	884857	51.11	ug/l	99
79) 2-Chlorotoluene	12.67	91	517155	51.13	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	615809	52.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45491	47.23	ug/l	91
82) 4-Chlorotoluene	12.77	91	526030	50.76	ug/l	96
83) tert-Butylbenzene	12.99	119	531627	51.15	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	627934	53.13	ug/l	97
85) sec-Butylbenzene	13.17	105	740256	52.29	ug/l	100
86) p-Isopropyltoluene	13.29	119	623799	52.01	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	306655	50.13	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	305458	50.22	ug/l	98
89) n-Butylbenzene	13.61	91	563847	54.74	ug/l	99
90) Hexachloroethane	13.87	117	106913	50.33	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	296609	50.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28683	54.35	ug/l	91

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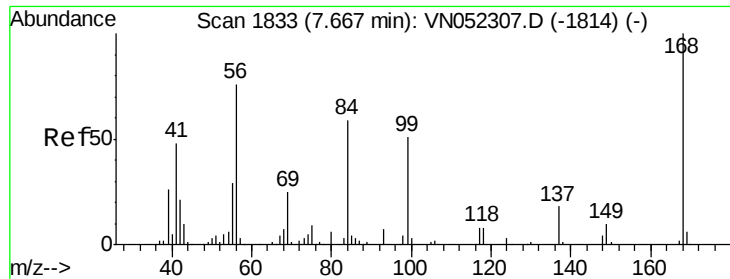
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139847	50.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	71066	52.39	ug/l	99
95) Naphthalene	15.13	128	318527	48.93	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	128471	57.05	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052453.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 263167

Ion Ratio Lower Upper

168 100

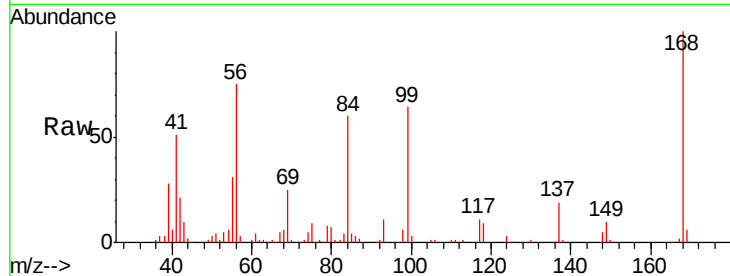
99 64.2 47.9 71.9

Manual Integrations

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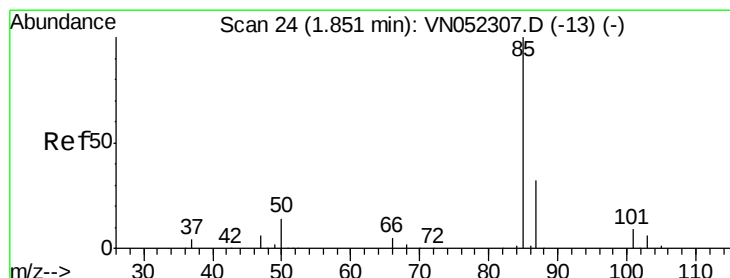
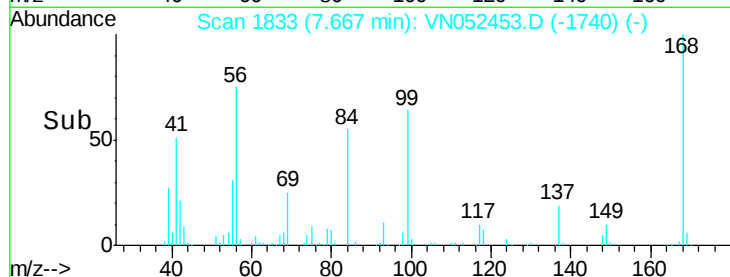
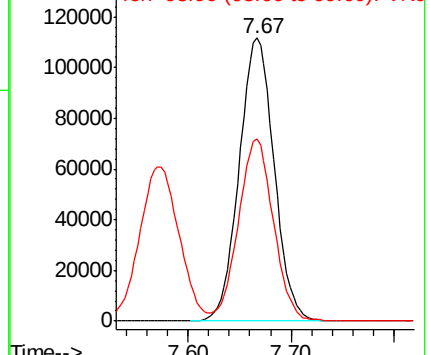
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.57 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052453.D

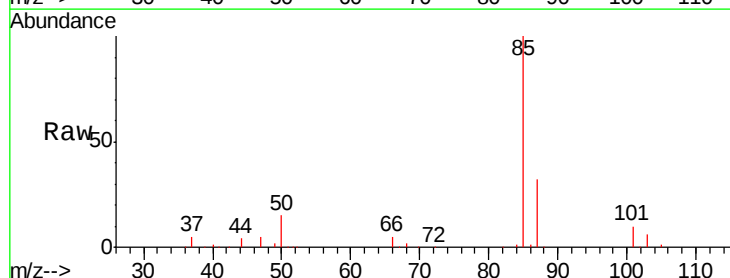
Acq: 21 Nov 2018 21:50

Tgt Ion: 85 Resp: 135456

Ion Ratio Lower Upper

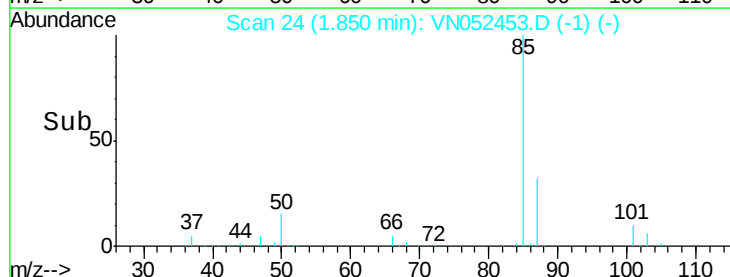
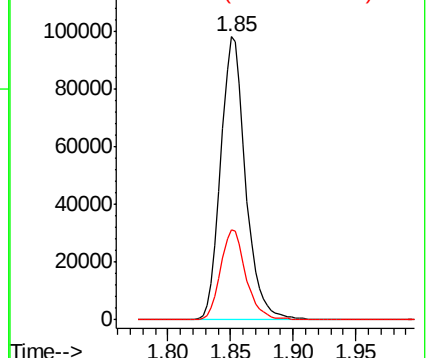
85 100

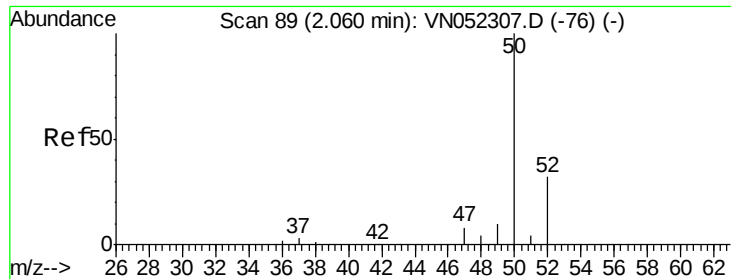
87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 46.94 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 181904

Ion Ratio Lower Upper

50 100

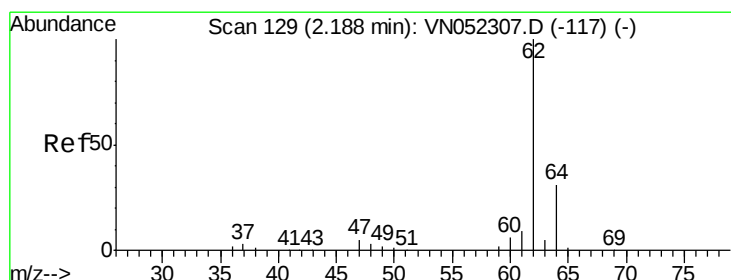
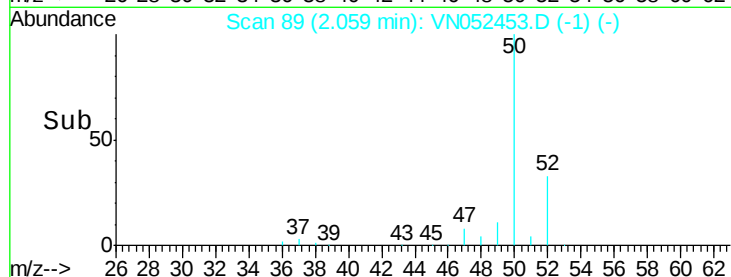
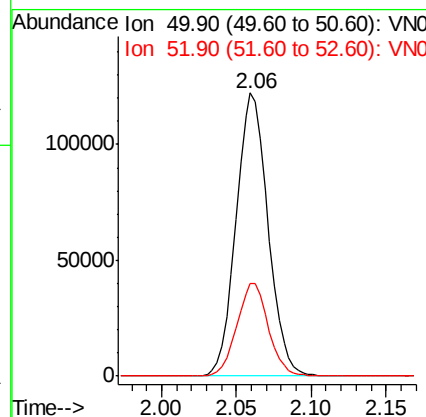
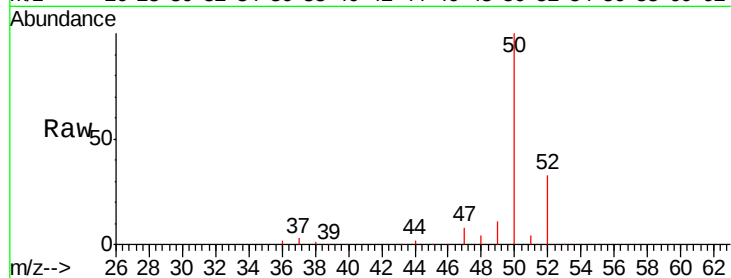
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.22 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052453.D

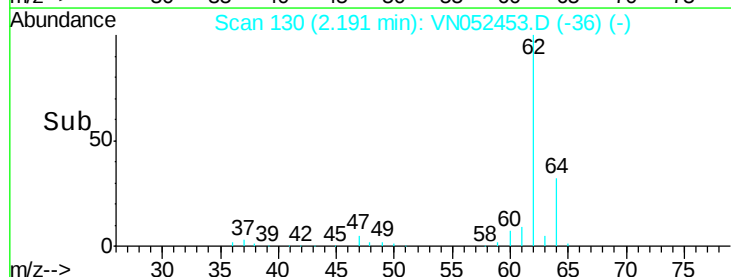
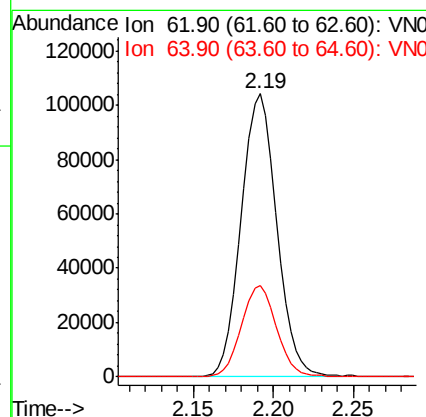
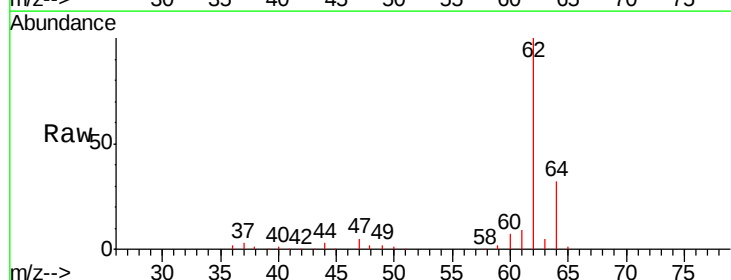
Acq: 21 Nov 2018 21:50

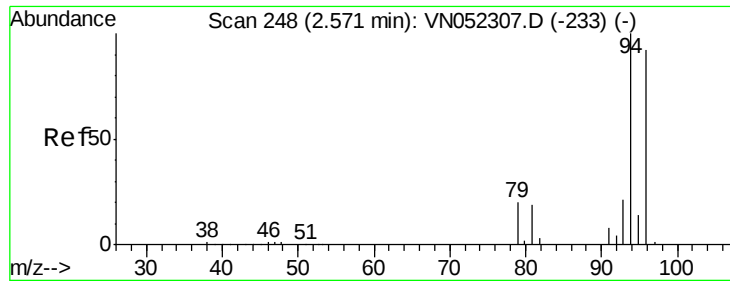
Tgt Ion: 62 Resp: 158186

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 44.44 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 92818

Ion Ratio Lower Upper

94 100

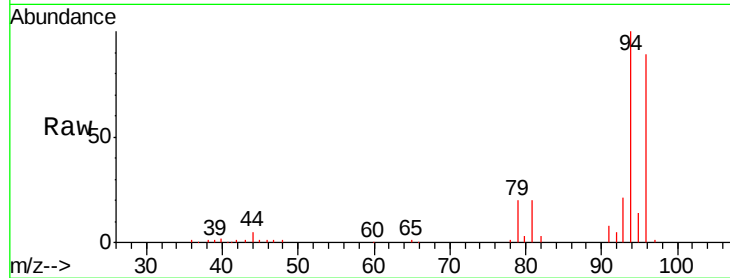
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Manual Integrations

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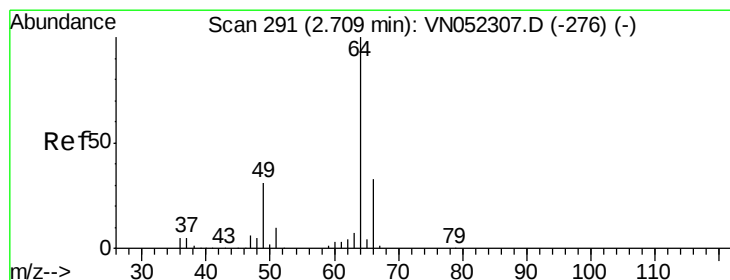
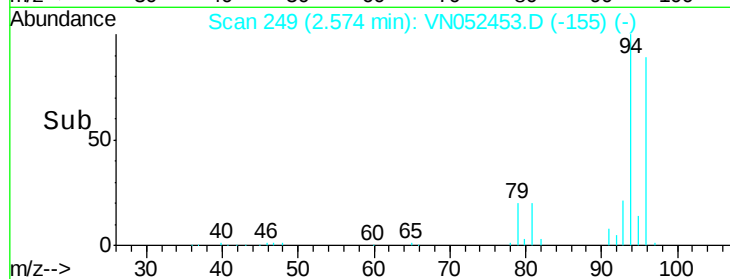
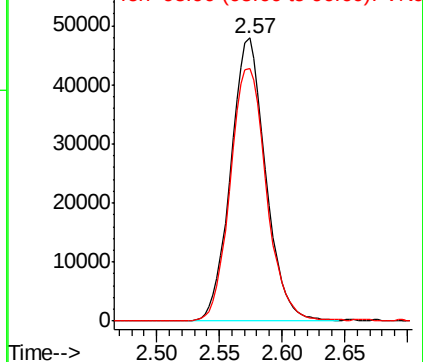
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.52 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052453.D

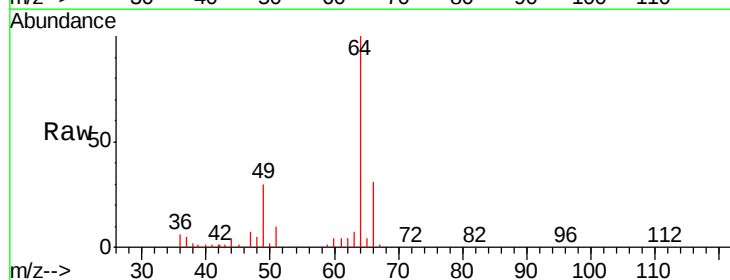
Acq: 21 Nov 2018 21:50

Tgt Ion: 64 Resp: 91896

Ion Ratio Lower Upper

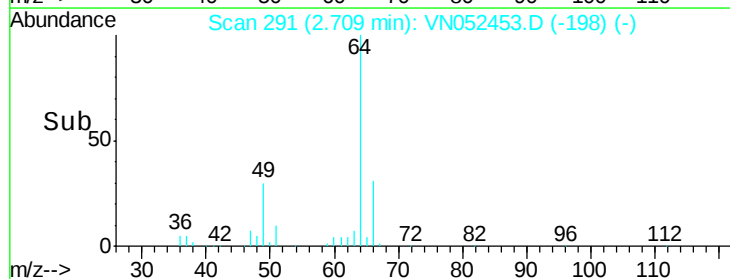
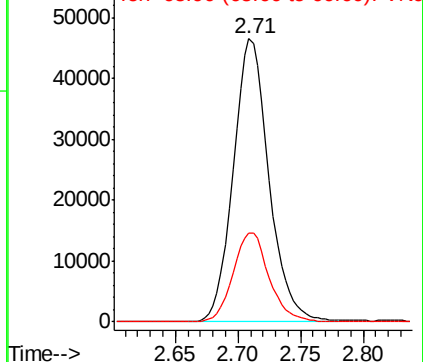
64 100

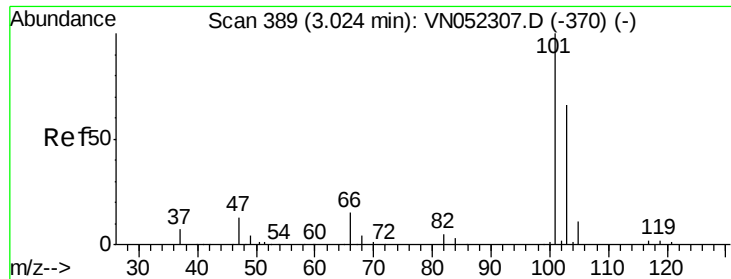
66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

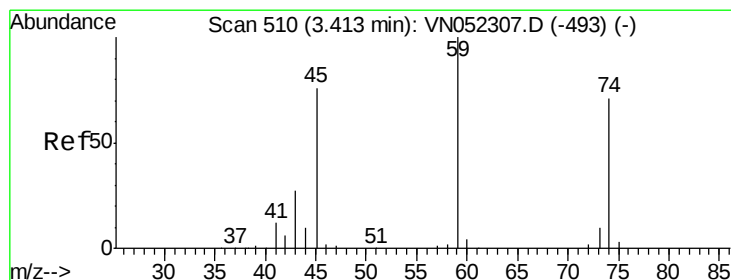
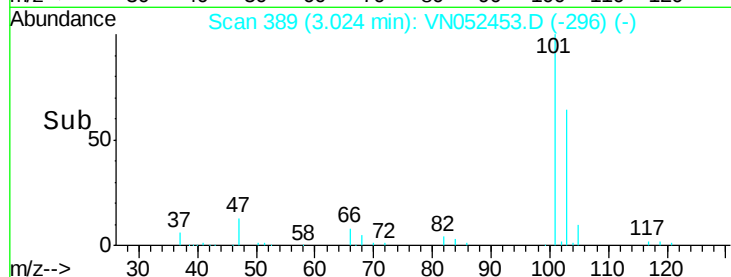
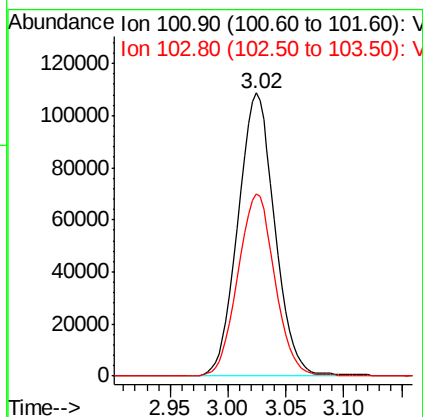
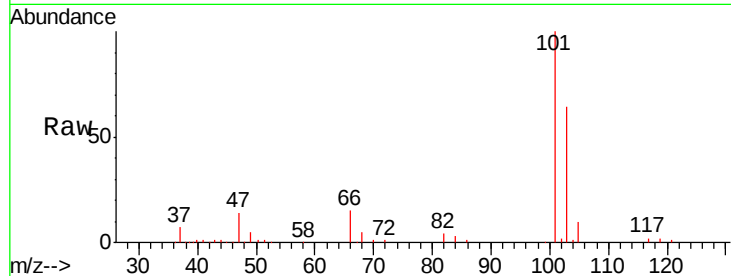
Trichlorofluoromethane
 Concen: 51.69 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
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 VSTDCCC050EC

Tgt Ion: 101 Resp: 239632
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.8 79.2

Manual Integrations
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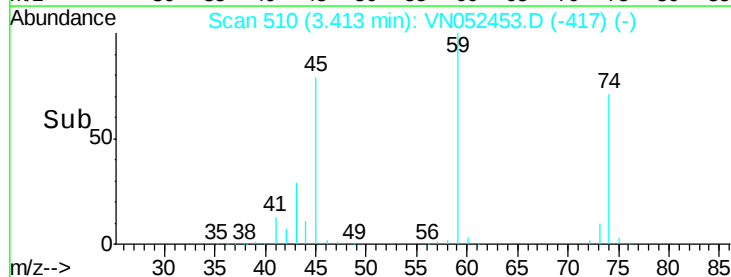
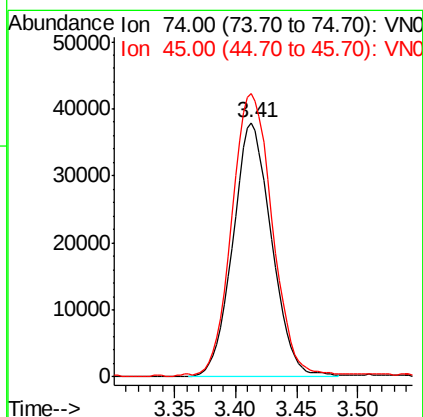
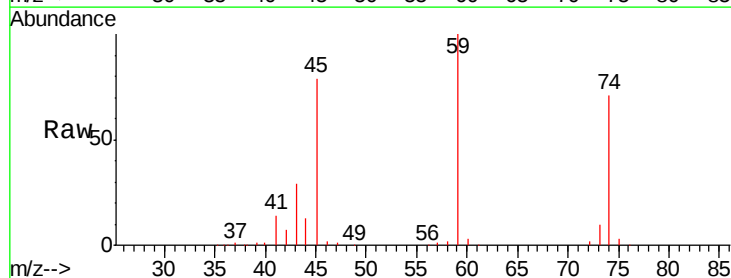
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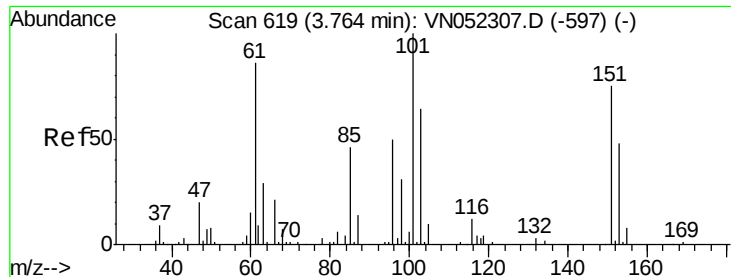


#8

Diethyl Ether
 Concen: 47.23 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion: 74 Resp: 83439
 Ion Ratio Lower Upper
 74 100
 45 117.6 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.04 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

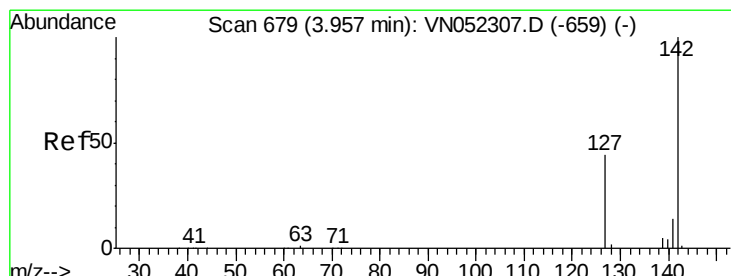
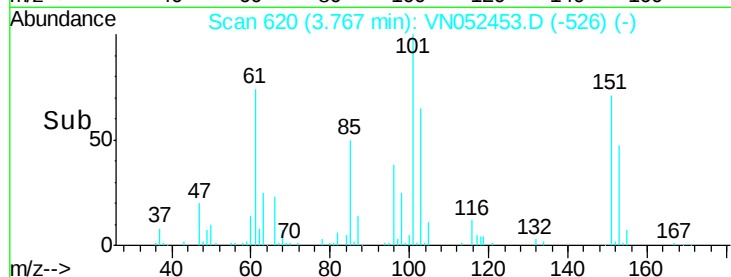
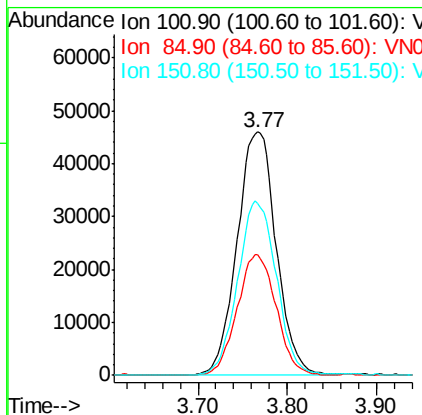
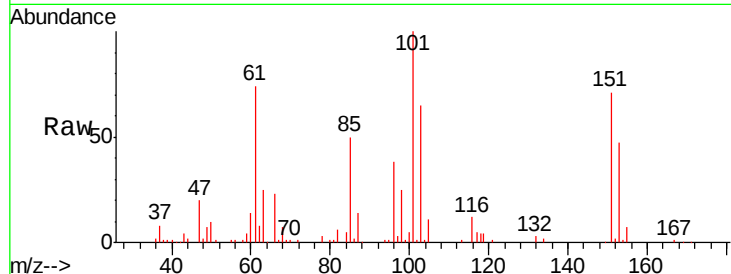
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	140650
Ion Ratio	Lower	Upper	
101	100		
85	49.4	37.4	56.0
151	70.8	58.6	88.0

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#10

Methyl Iodide

Concen: 43.45 ug/l

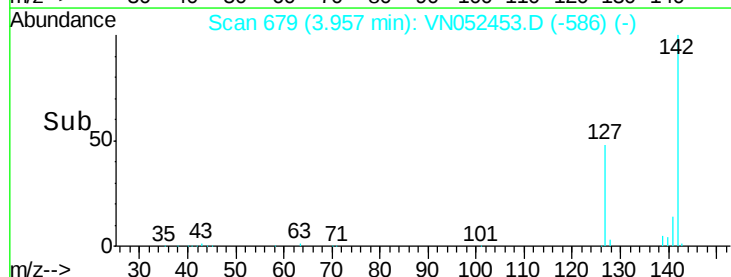
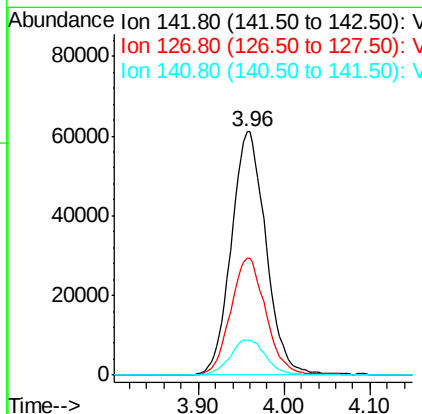
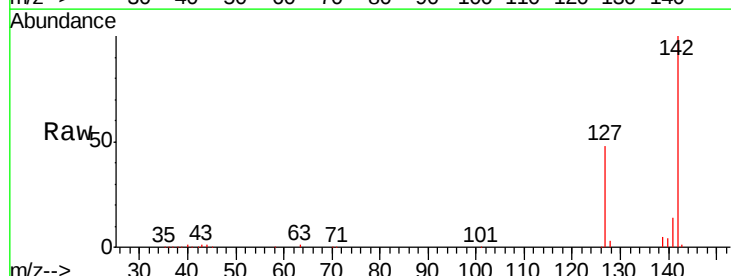
RT: 3.96 min Scan# 679

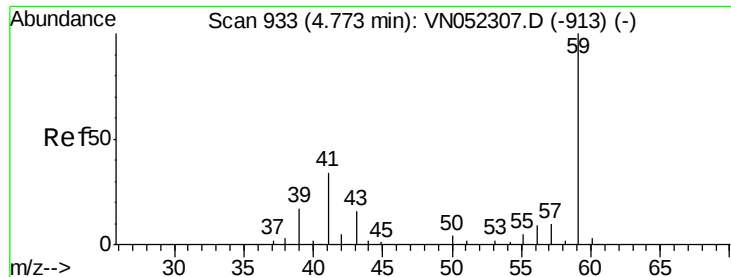
Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Tgt Ion:	142	Resp:	170779
Ion Ratio	Lower	Upper	
142	100		
127	48.6	36.3	54.5
141	14.9	11.4	17.2





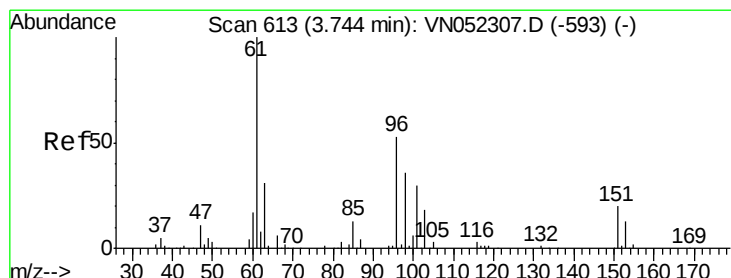
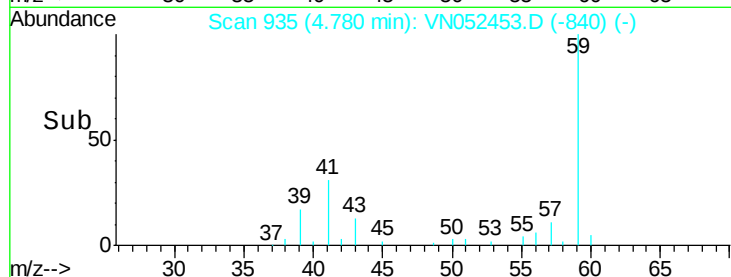
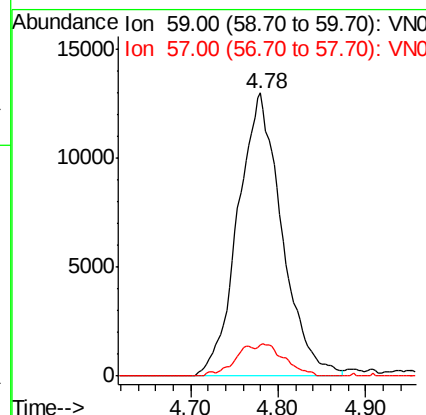
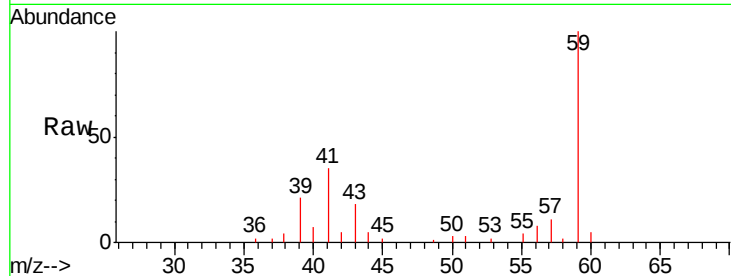
#11
Tert butyl alcohol
Concen: 231.29 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.5	12.7#

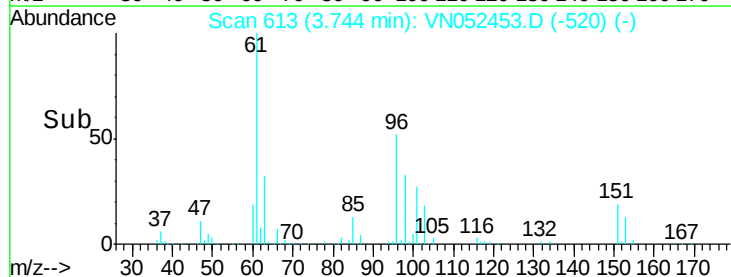
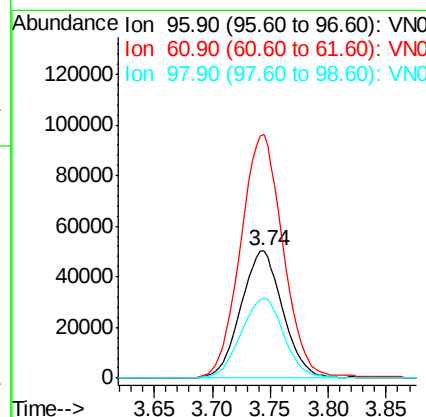
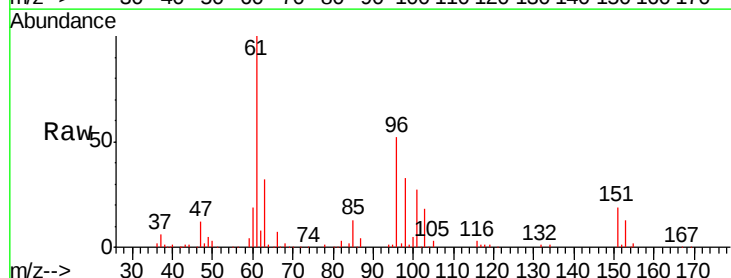
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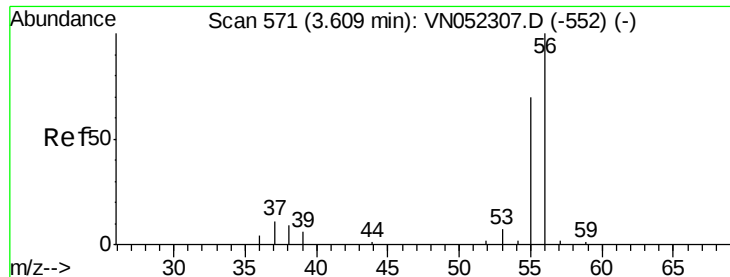
MMDadoda
11/26/2018 4:56:49 PM



#12
1,1-Dichloroethene
Concen: 46.54 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.2	149.6	224.4
98	62.3	54.2	81.2





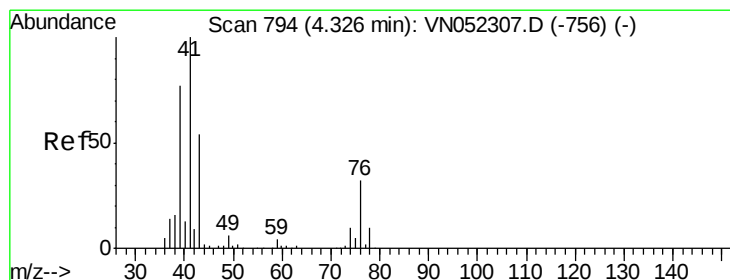
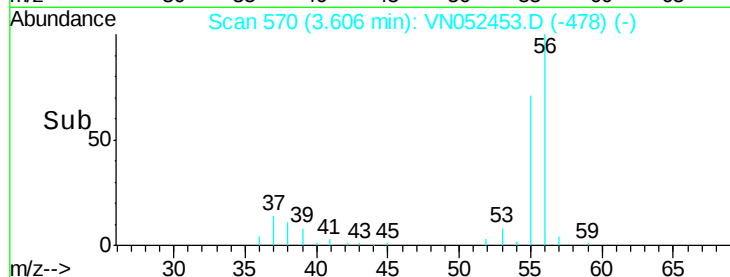
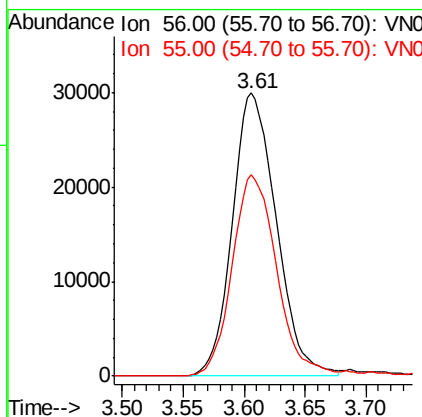
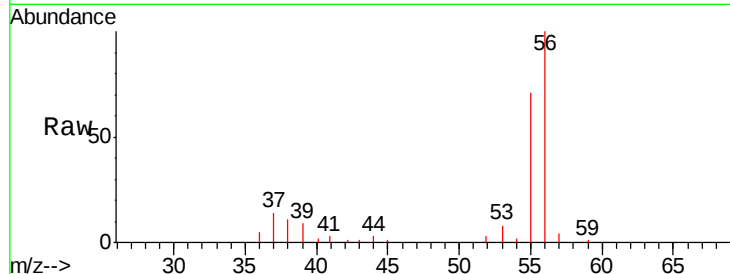
#13
Acrolein
Concen: 252.53 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 74837
Ion Ratio Lower Upper
56 100
55 71.8 57.6 86.4

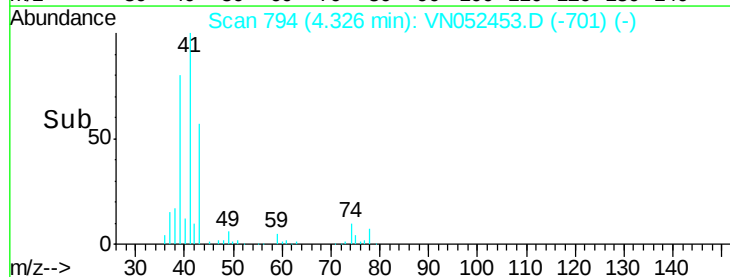
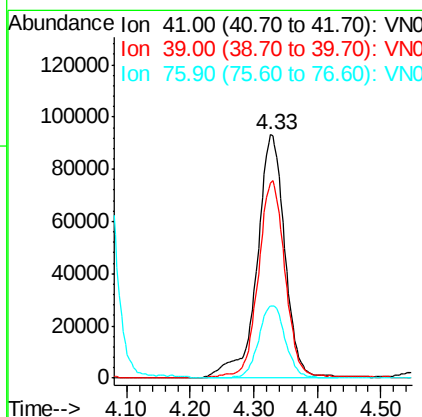
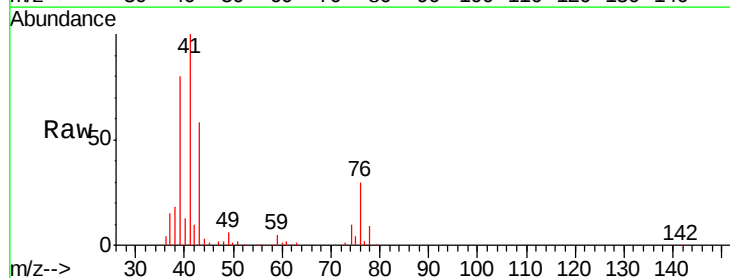
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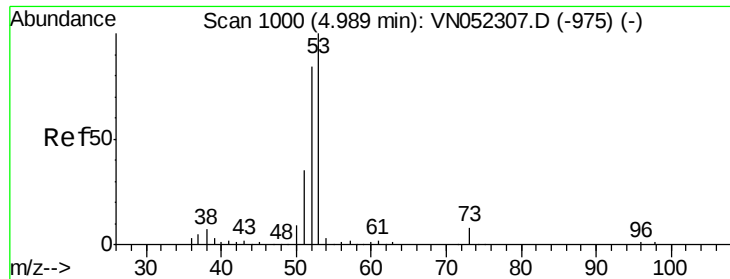
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#14
Allyl chloride
Concen: 51.14 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 41 Resp: 284470
Ion Ratio Lower Upper
41 100
39 73.9 59.1 88.7
76 27.9 24.1 36.1





#15

Acrylonitrile

Concen: 244.77 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

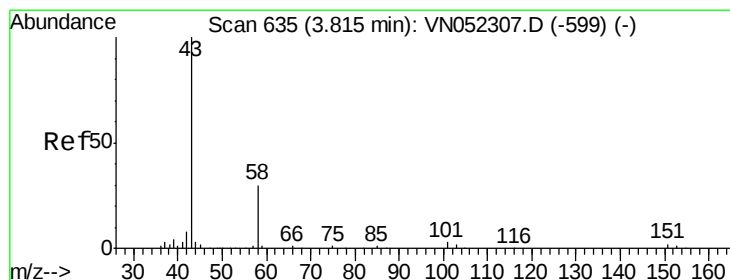
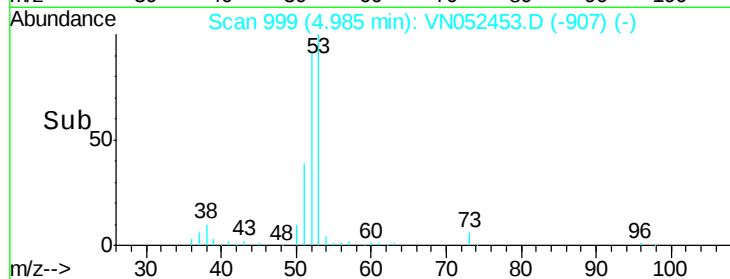
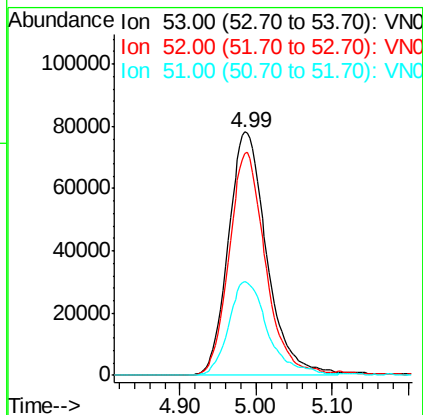
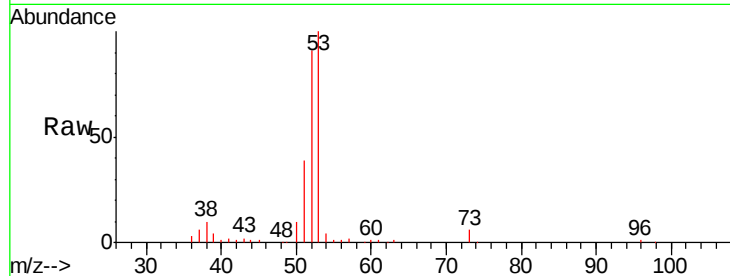
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	274347
Ion	Ratio	Lower	Upper
53	100		
52	87.0	67.5	101.3
51	39.5	29.9	44.9

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#16

Acetone

Concen: 224.19 ug/l

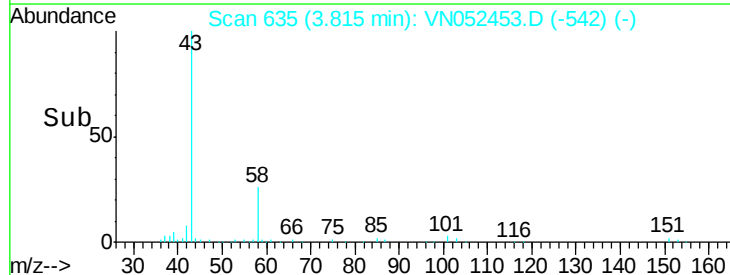
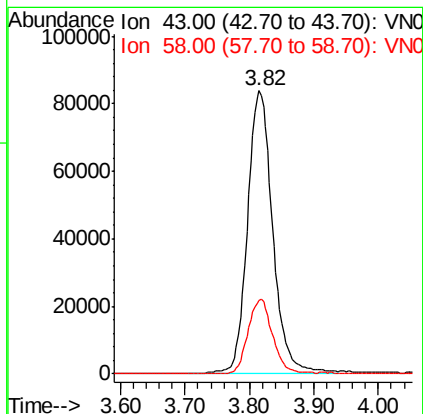
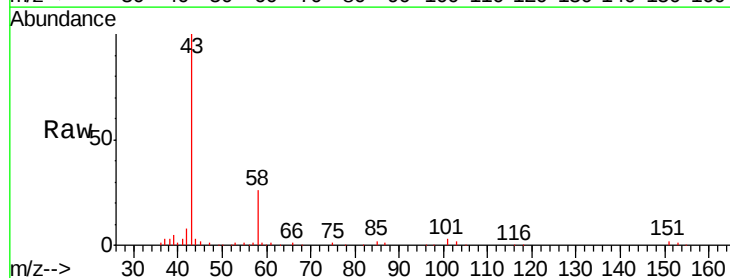
RT: 3.82 min Scan# 635

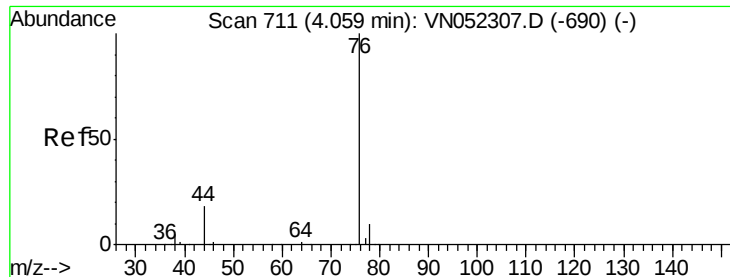
Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Tgt Ion:	43	Resp:	229438
Ion	Ratio	Lower	Upper
43	100		
58	25.9	24.2	36.4





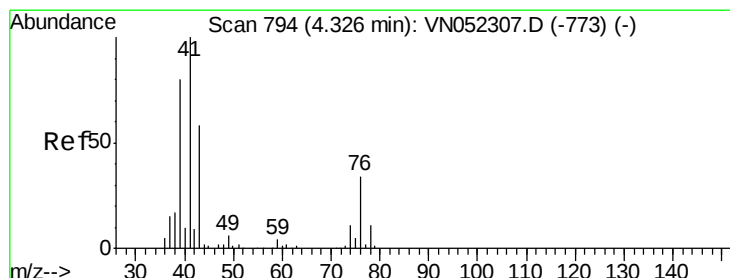
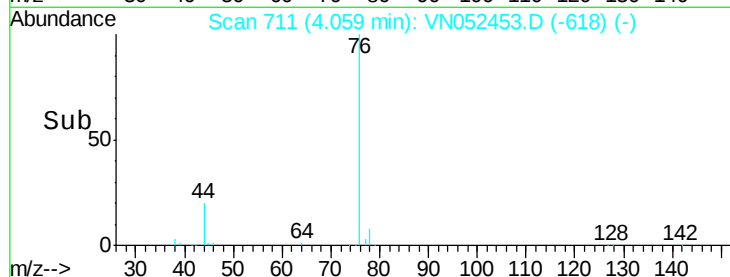
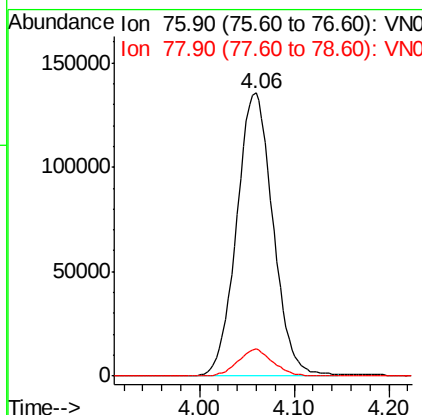
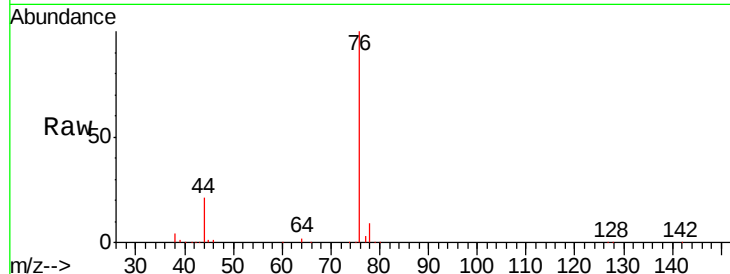
#17
Carbon Disulfide
Concen: 46.59 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 361897
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5

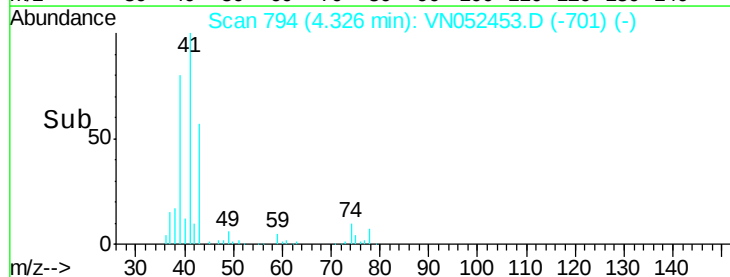
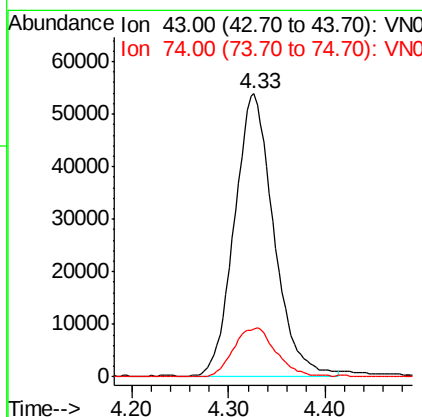
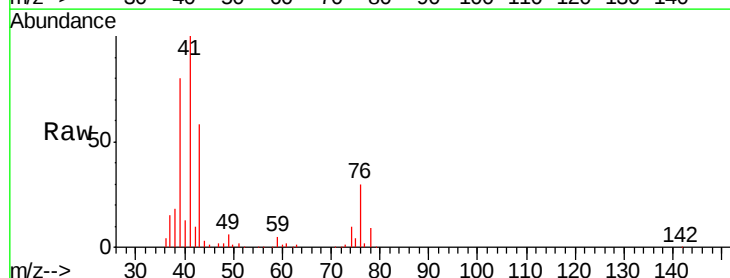
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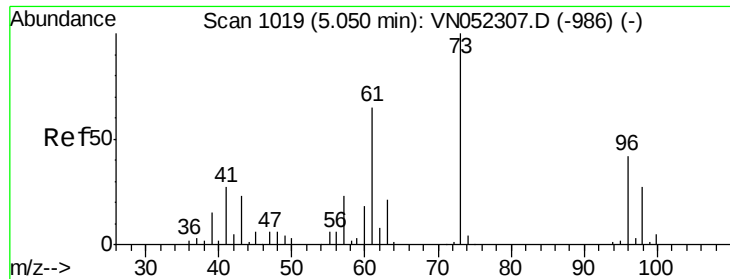
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#18
Methyl Acetate
Concen: 52.63 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 43 Resp: 150997
Ion Ratio Lower Upper
43 100
74 19.0 15.9 23.9





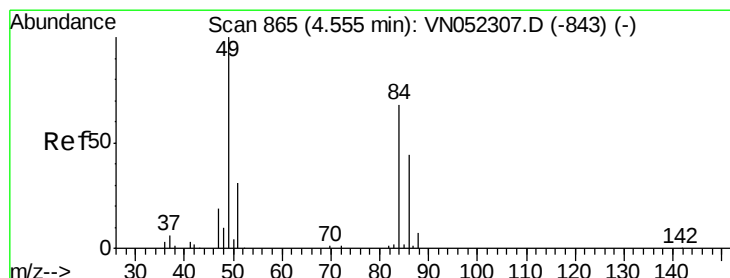
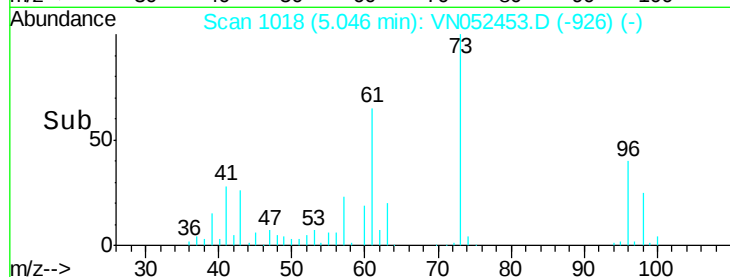
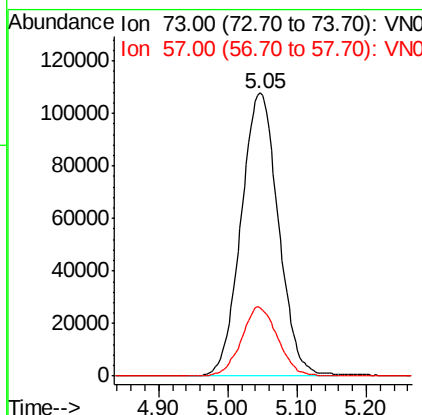
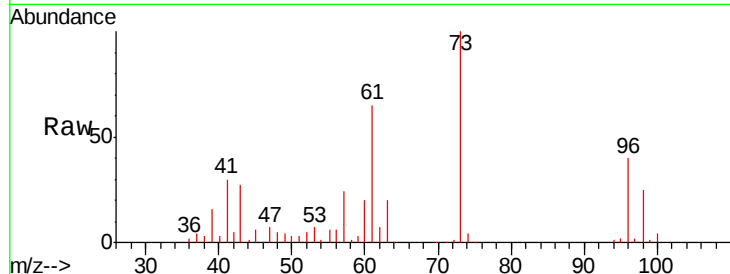
#19
Methyl tert-butyl Ether
Concen: 51.88 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 403865
Ion Ratio Lower Upper
73 100
57 23.9 18.7 28.1

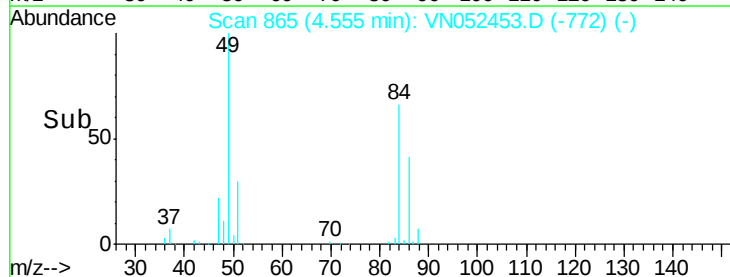
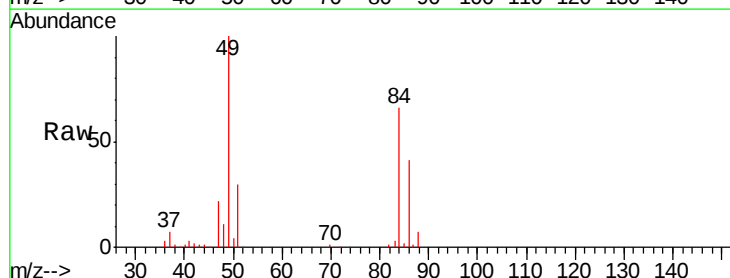
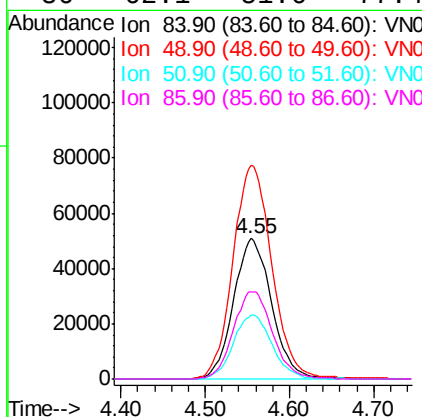
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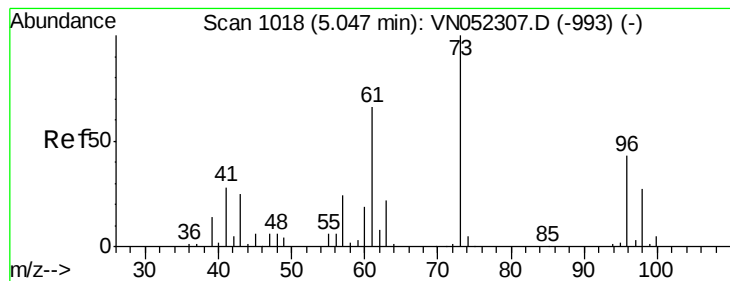
MMDadoda
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#20
Methylene Chloride
Concen: 51.22 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 84 Resp: 159427
Ion Ratio Lower Upper
84 100
49 152.3 118.2 177.2
51 45.2 36.1 54.1
86 62.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.02 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

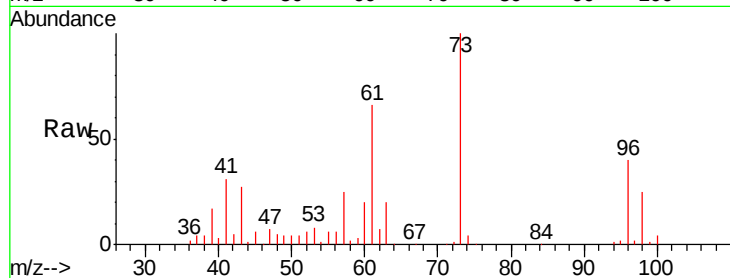
ClientSampleId :

VSTDCCC050EC

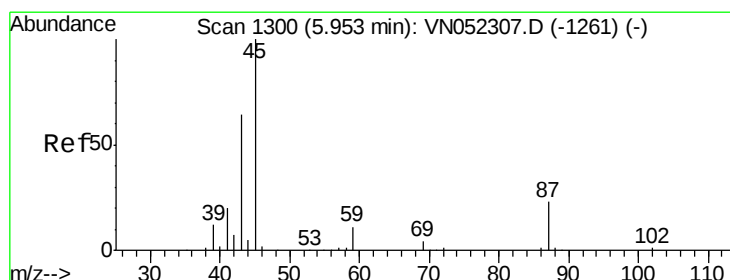
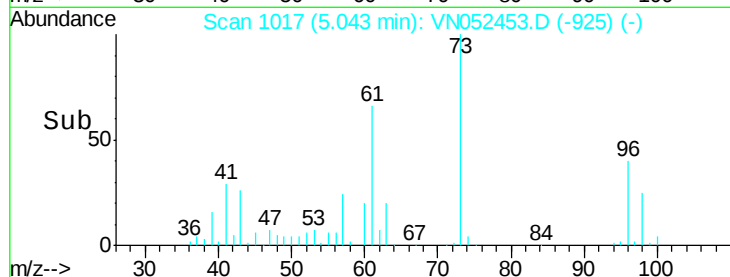
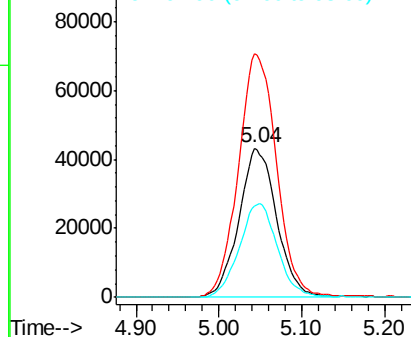
Tgt Ion:	96	Resp:	137141
Ion	Ratio	Lower	Upper
96	100		
61	163.5	123.6	185.4
98	61.7	50.7	76.1

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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: 53.27 ug/l

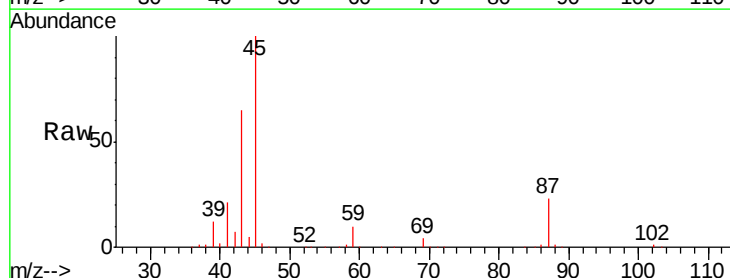
RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

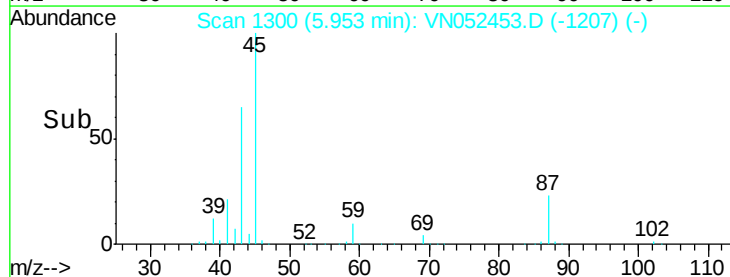
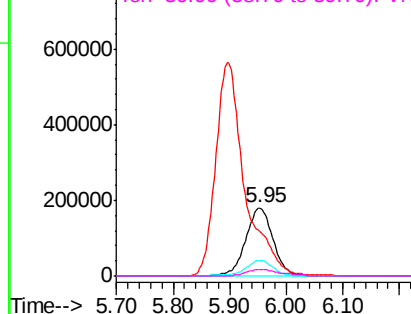
Lab File: VN052453.D

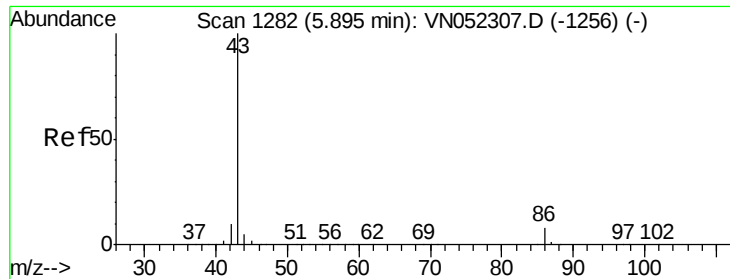
Acq: 21 Nov 2018 21:50

Tgt Ion:	45	Resp:	604624
Ion	Ratio	Lower	Upper
45	100		
43	64.4	51.4	77.2
87	23.2	18.8	28.2
59	10.0	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: 261.87 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2016189

Ion Ratio Lower Upper

43 100

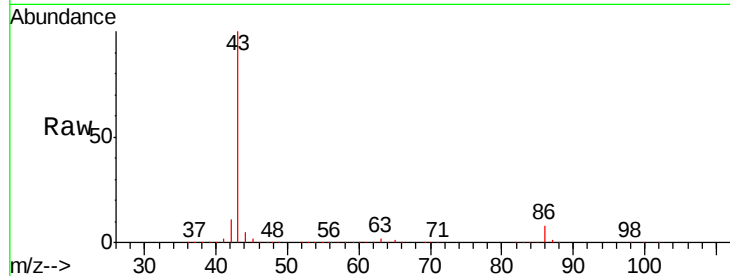
86 7.6 6.5 9.7

Manual Integrations

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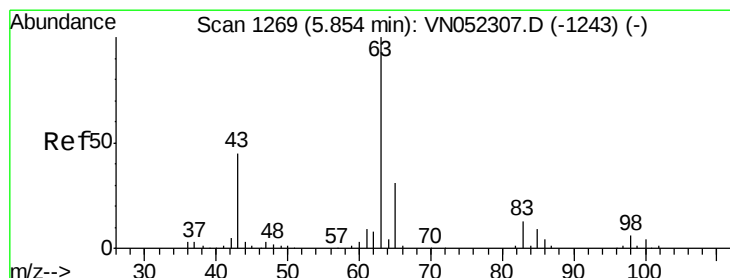
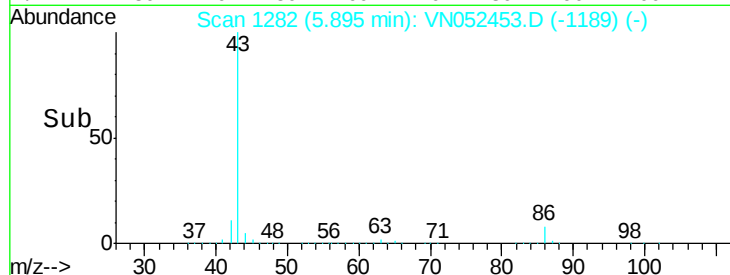
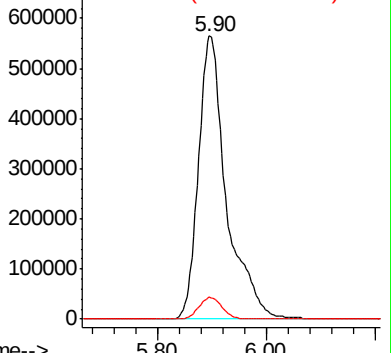
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.79 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

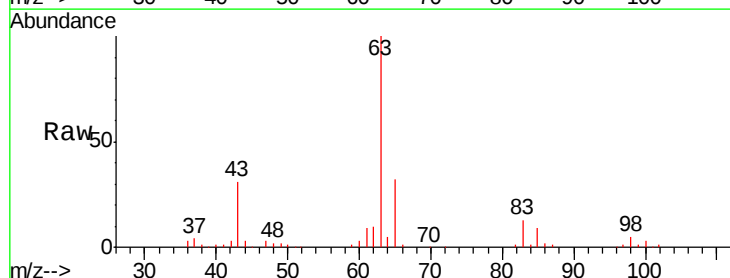
Tgt Ion: 63 Resp: 309110

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

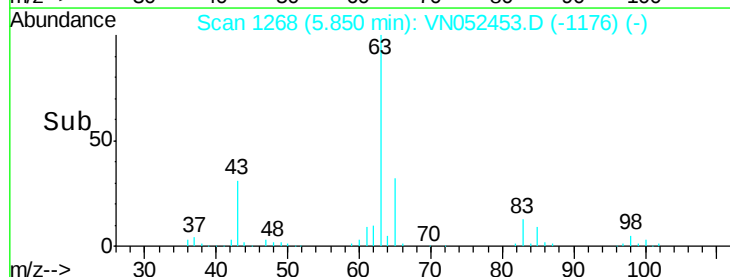
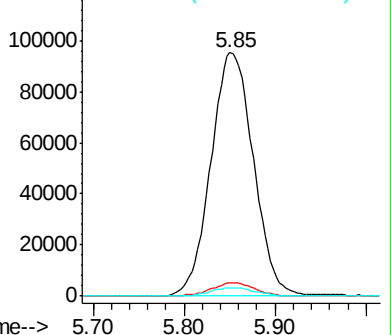
100 3.3 1.9 5.7

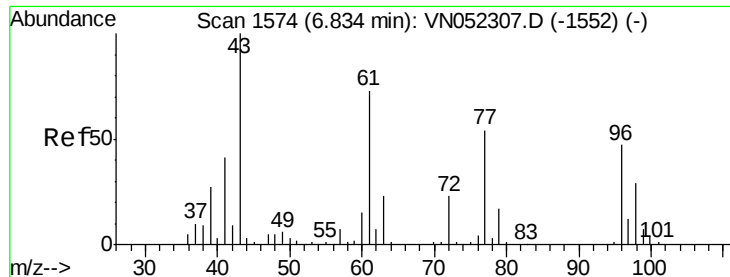


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 245.57 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 353735

Ion Ratio Lower Upper

43 100

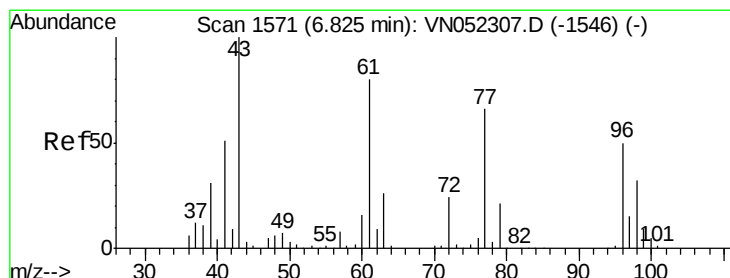
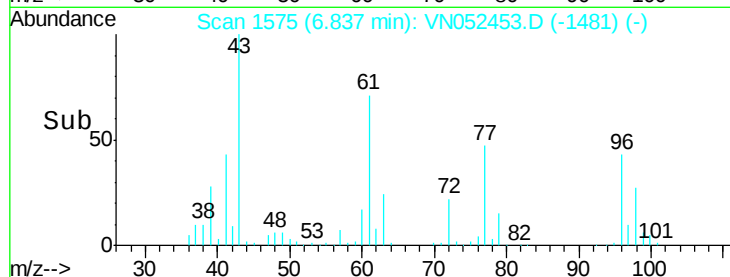
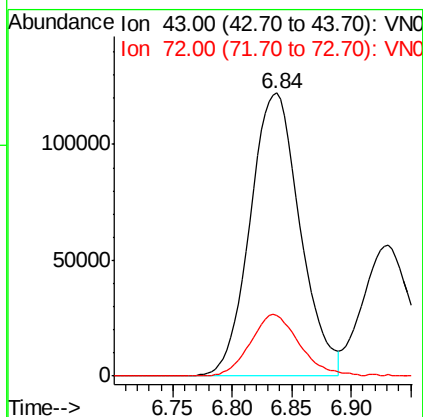
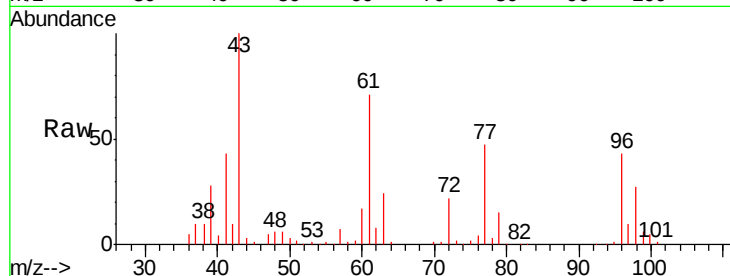
72 21.6 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.26 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052453.D

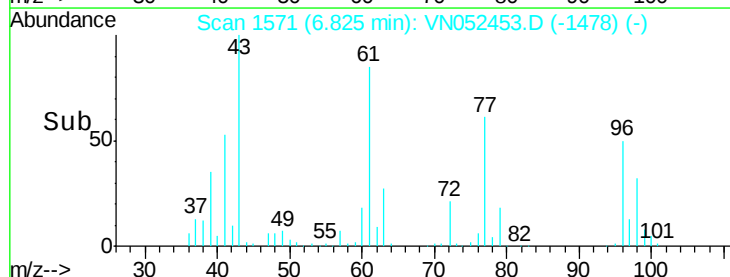
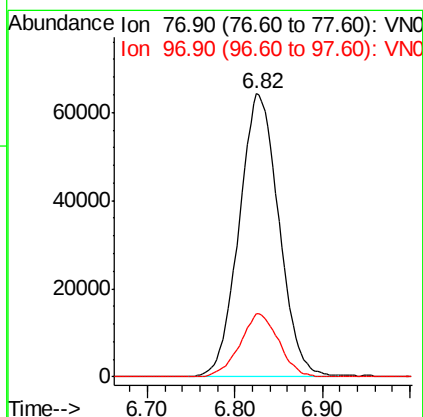
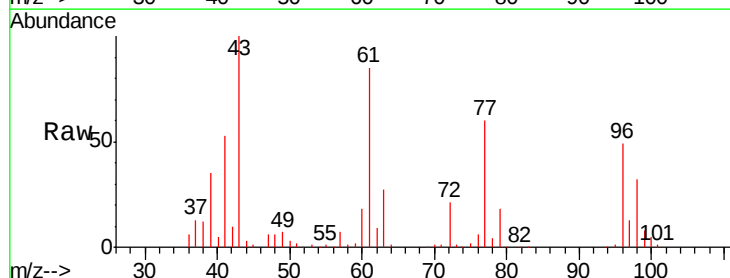
Acq: 21 Nov 2018 21:50

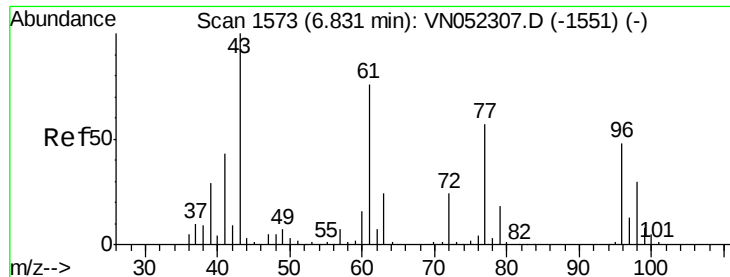
Tgt Ion: 77 Resp: 202559

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 48.26 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

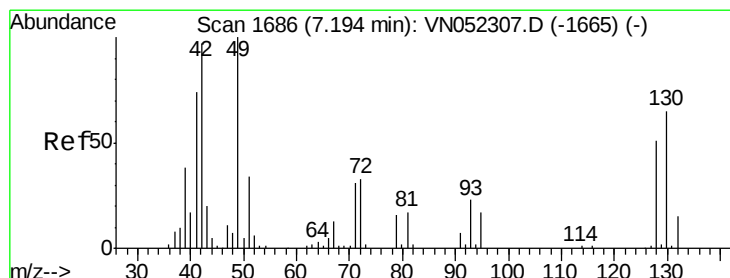
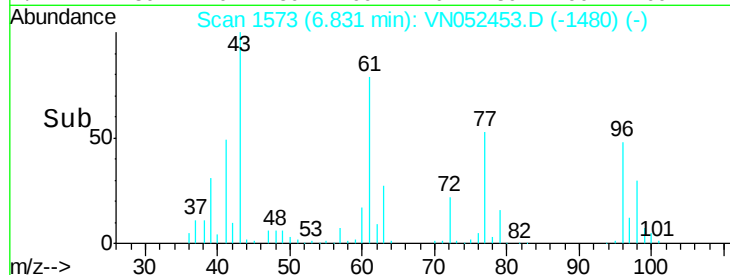
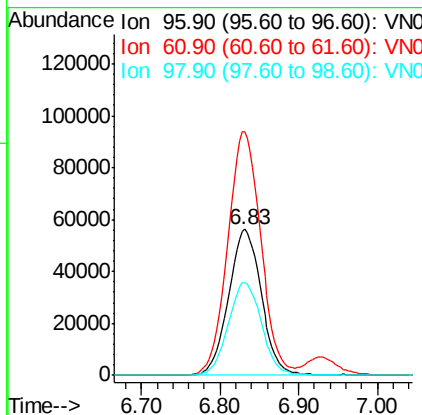
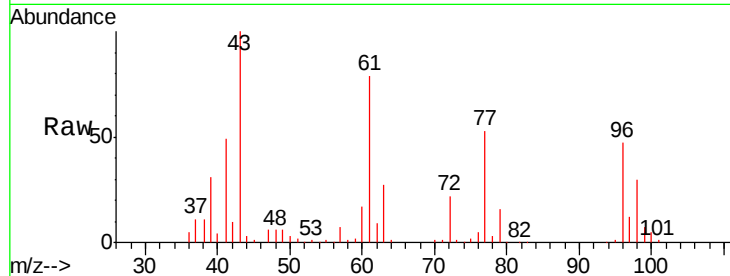
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	163880
Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	316.8
98	64.4	0.0	126.6

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#28

Bromochloromethane

Concen: 51.29 ug/l

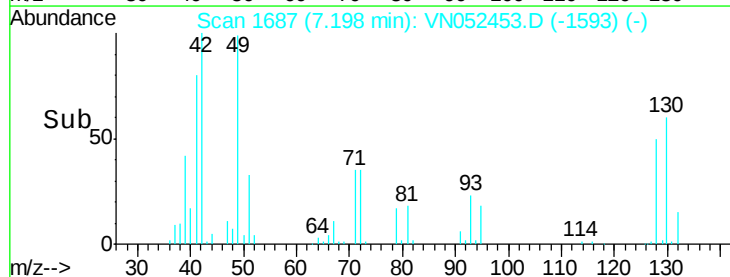
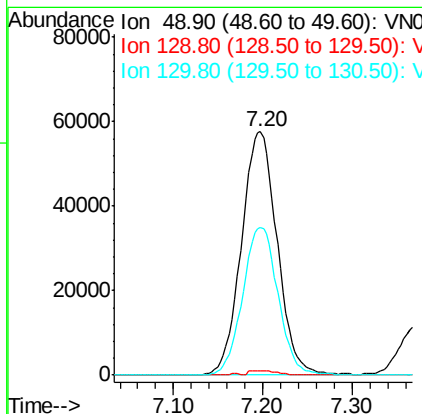
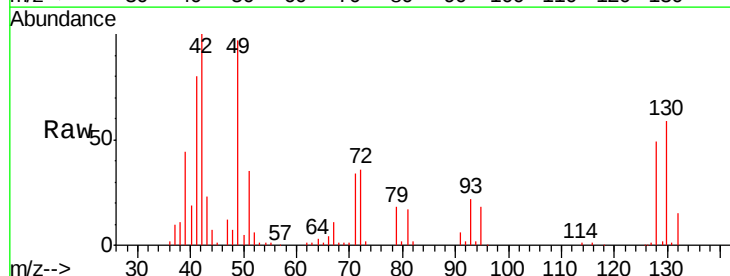
RT: 7.20 min Scan# 1687

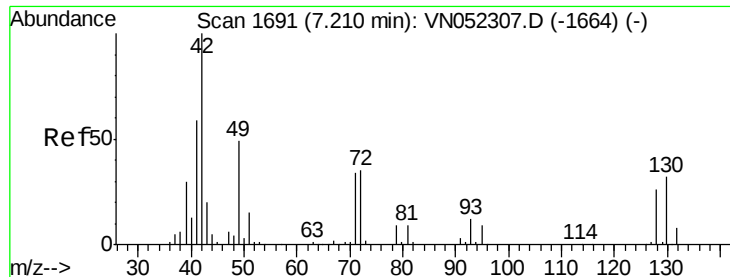
Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Tgt Ion:	49	Resp:	160513
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.3	50.4	75.6





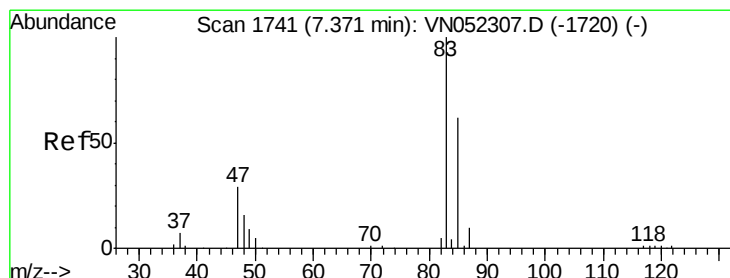
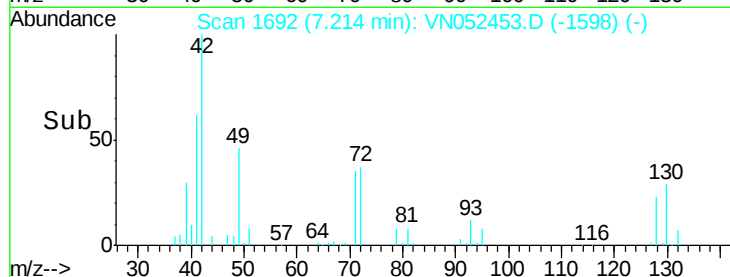
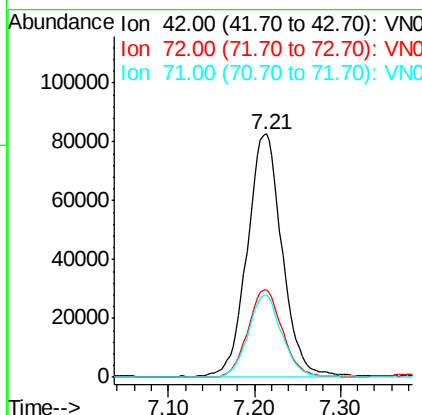
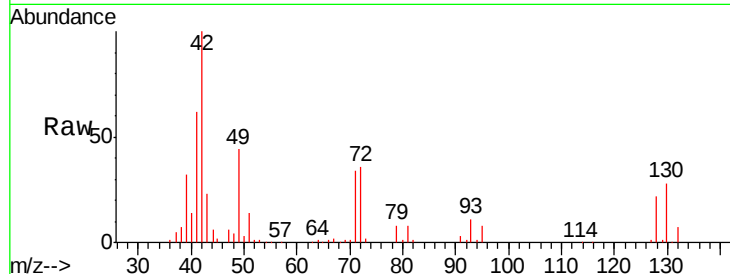
#29
Tetrahydrofuran
Concen: 244.33 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.6	42.8
71	33.4	26.7	40.1

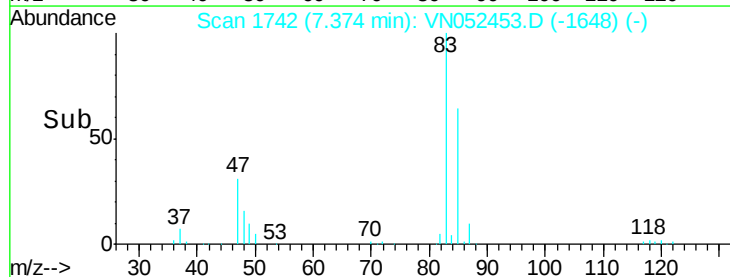
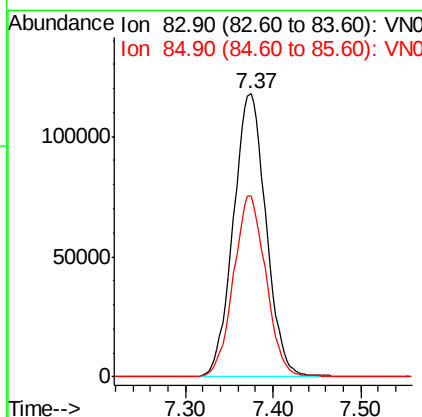
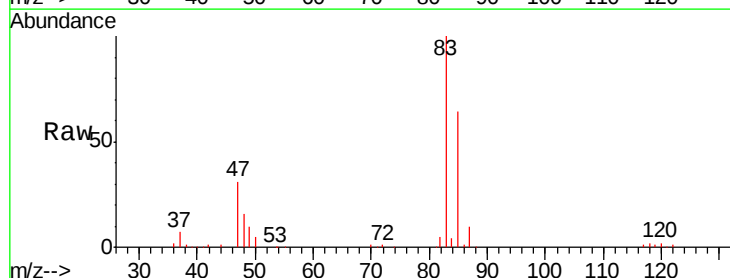
Manual Integrations
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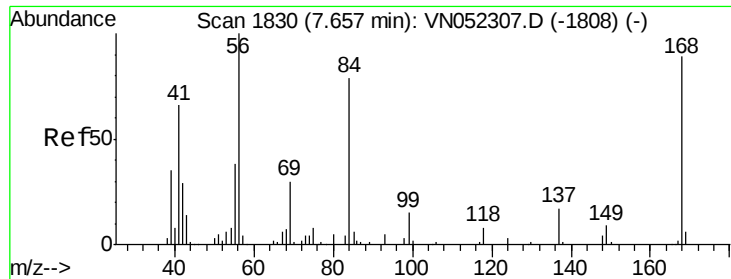
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#30
Chloroform
Concen: 52.89 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2





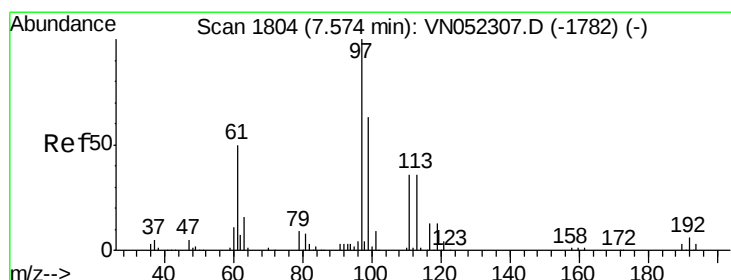
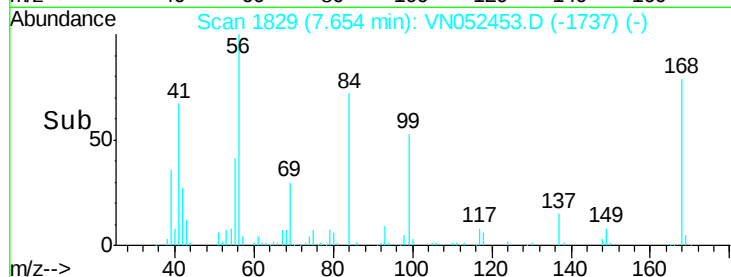
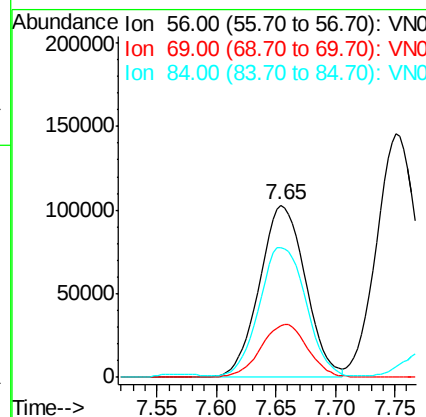
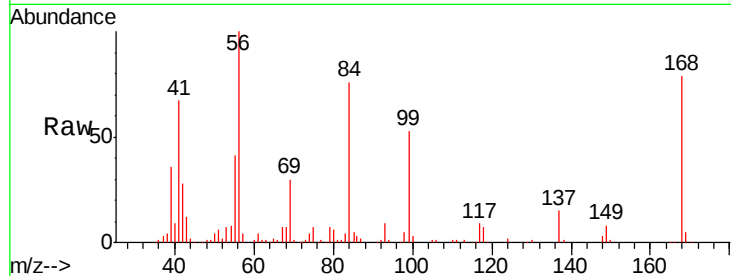
#31
Cyclohexane
Concen: 48.80 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	73.7	63.0	94.6

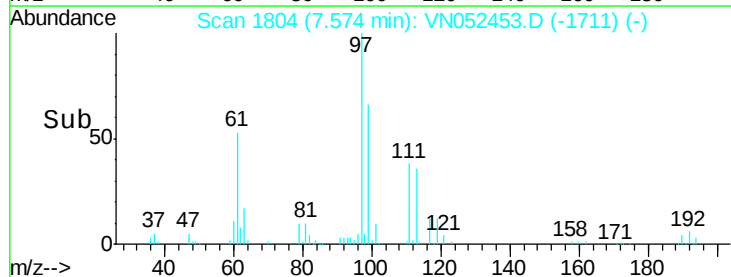
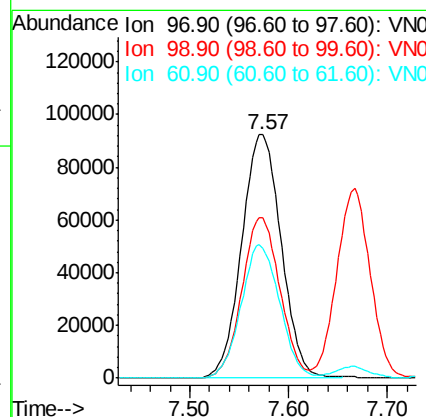
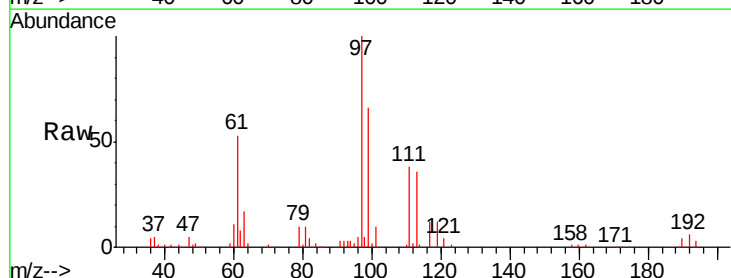
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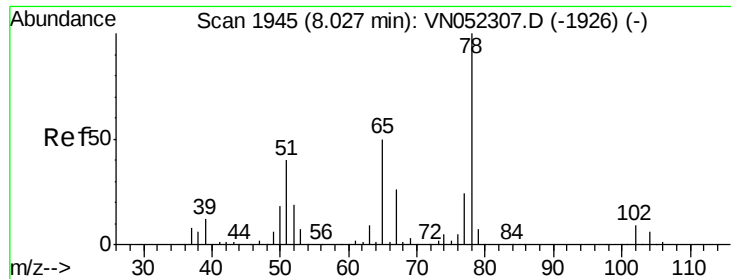
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#32
1,1,1-Trichloroethane
Concen: 51.88 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.2	75.2
61	53.7	40.2	60.4





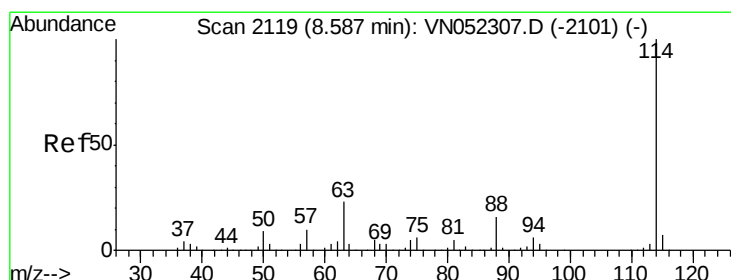
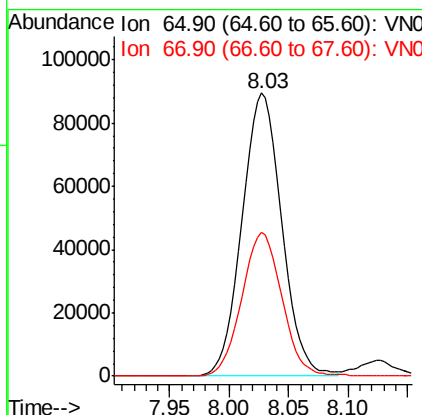
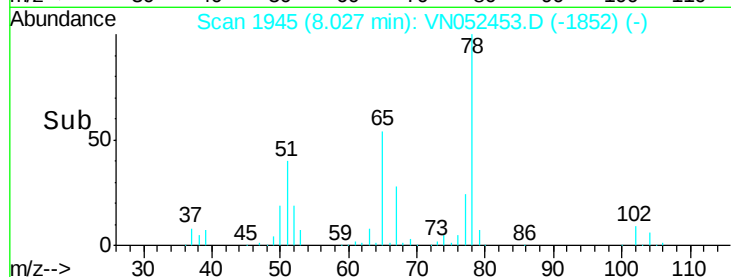
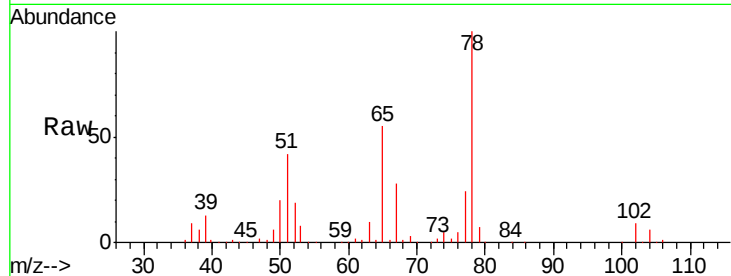
#33
 1,2-Dichloroethane-d4
 Concen: 51.88 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 207206
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2

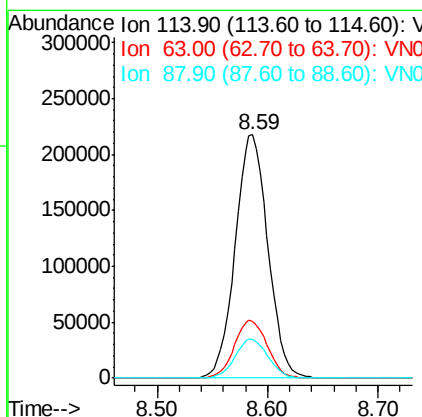
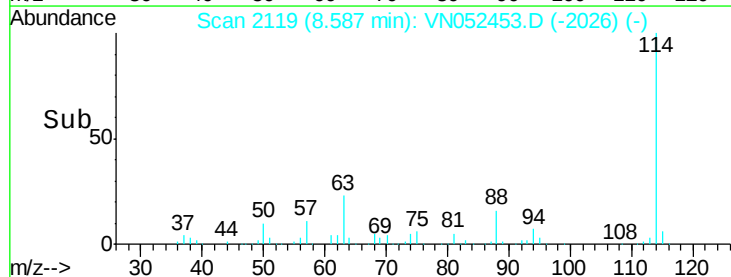
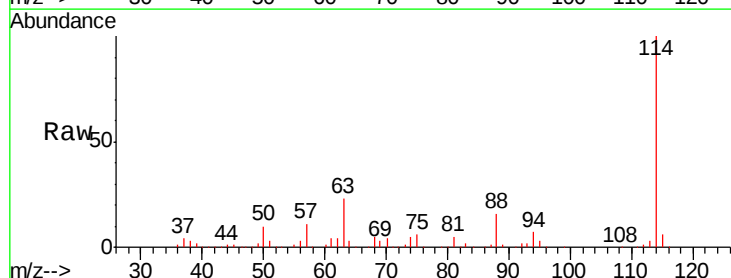
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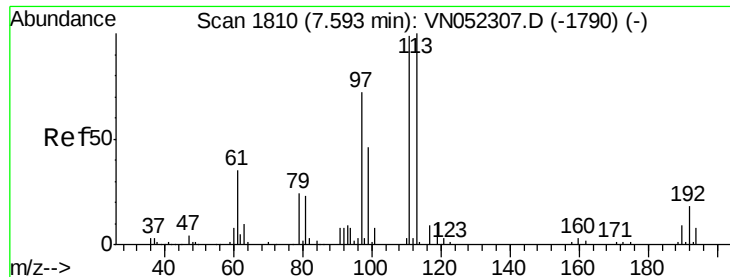
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion: 114 Resp: 446901
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 15.9 0.0 31.2





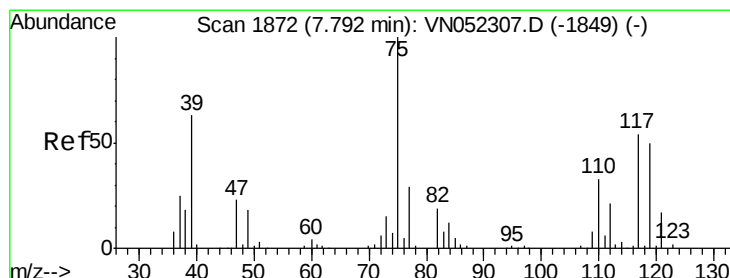
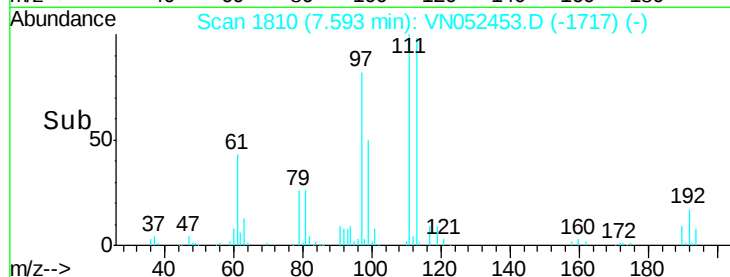
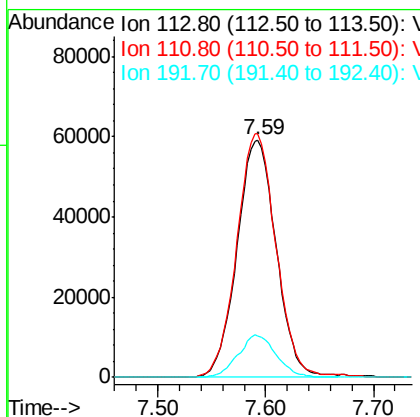
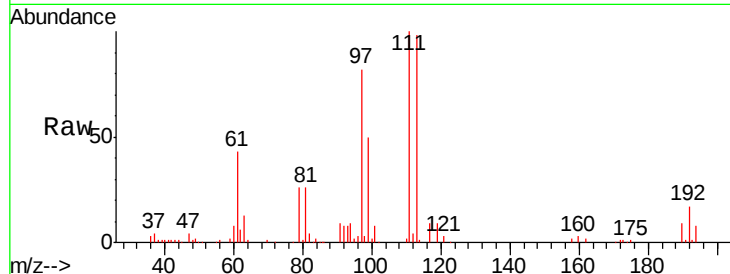
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	149363		
111	102.7	81.0	121.6	
192	17.3	13.8	20.6	

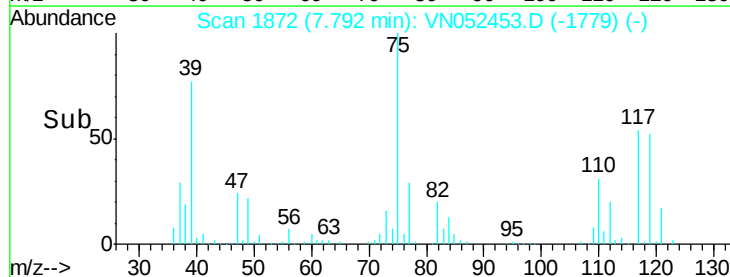
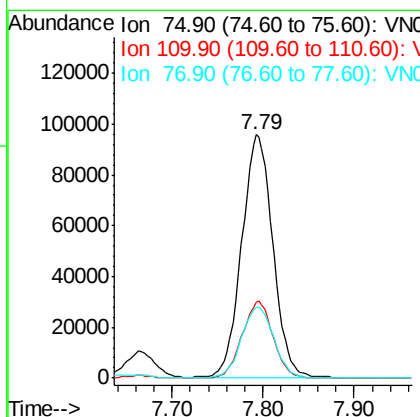
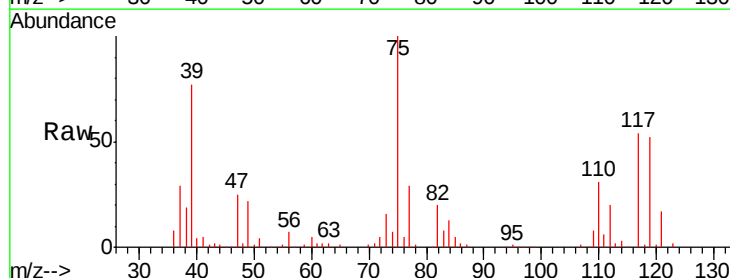
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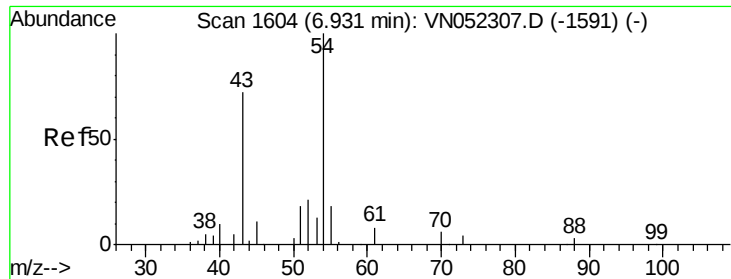
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#36
1,1-Dichloropropene
Concen: 50.79 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227520		
110	31.2	16.5	49.5	
77	30.8	24.2	36.2	





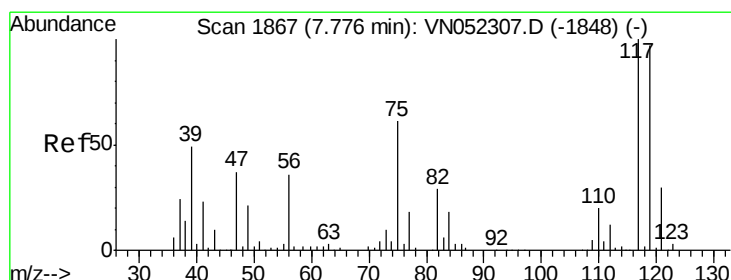
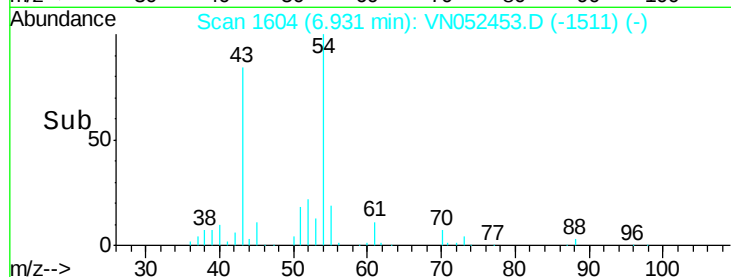
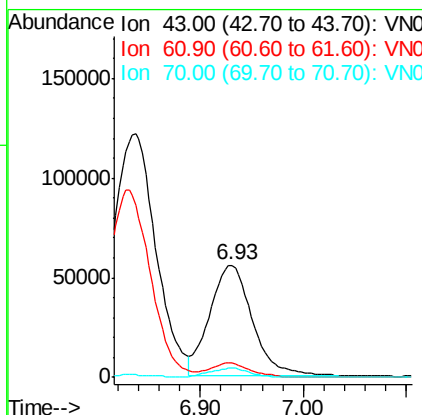
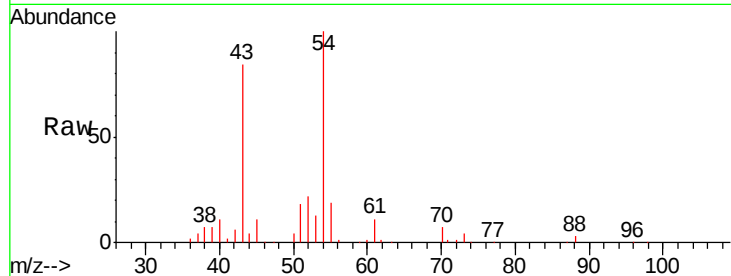
#37
Ethyl Acetate
Concen: 49.35 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 160423
Ion Ratio Lower Upper
43 100
61 11.2 10.3 15.5
70 7.7 5.6 8.4

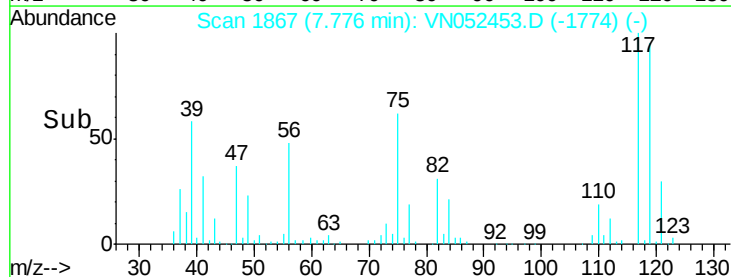
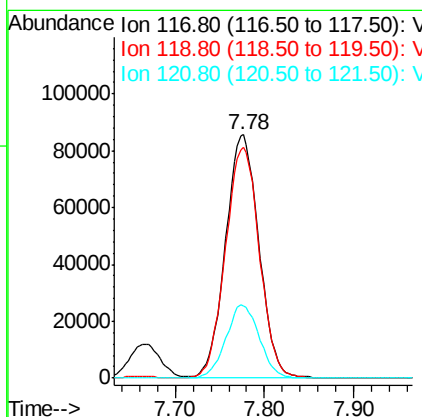
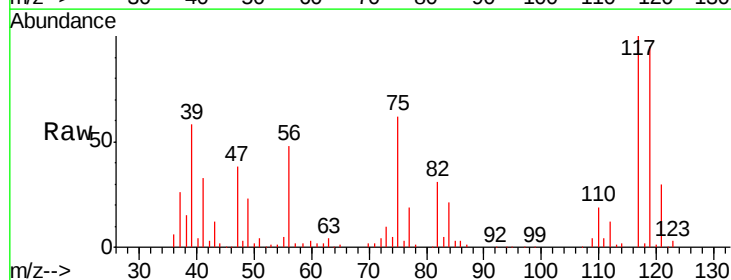
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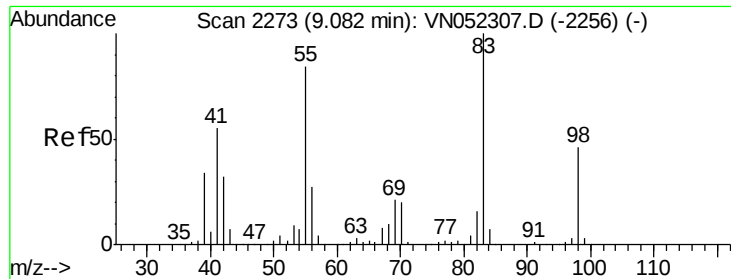
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#38
Carbon Tetrachloride
Concen: 53.97 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 117 Resp: 222119
Ion Ratio Lower Upper
117 100
119 95.0 77.4 116.0
121 29.7 24.0 36.0





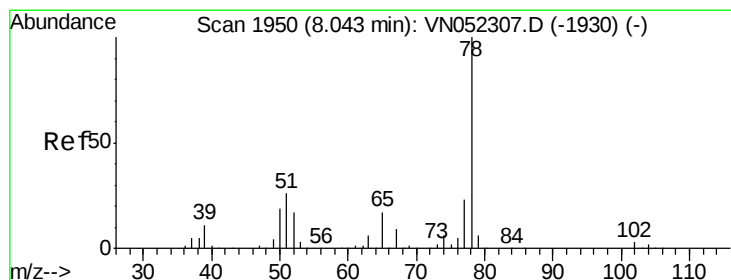
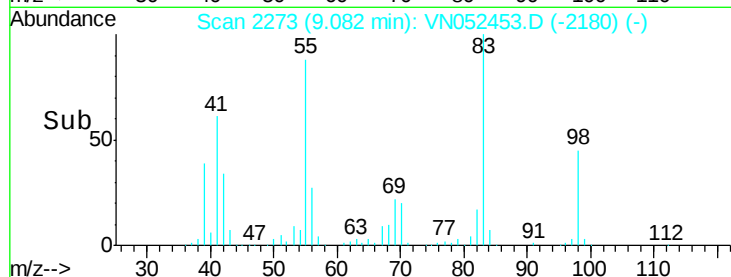
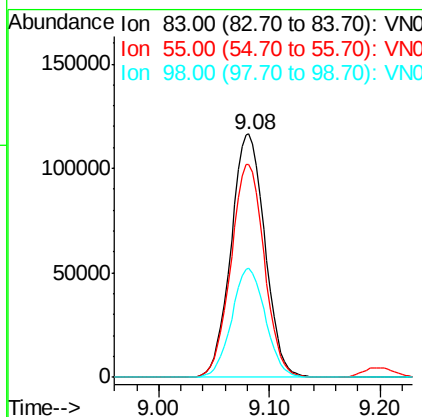
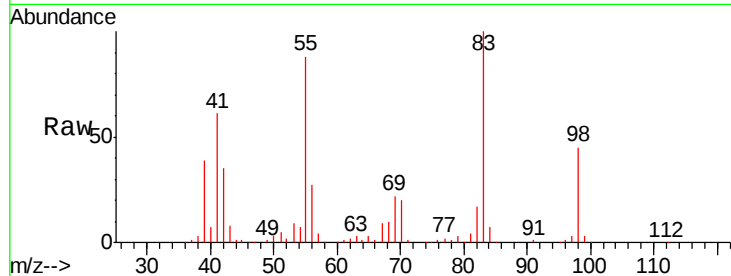
#39
Methylcyclohexane
Concen: 48.45 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.7	66.8	100.2
98	44.6	36.4	54.6

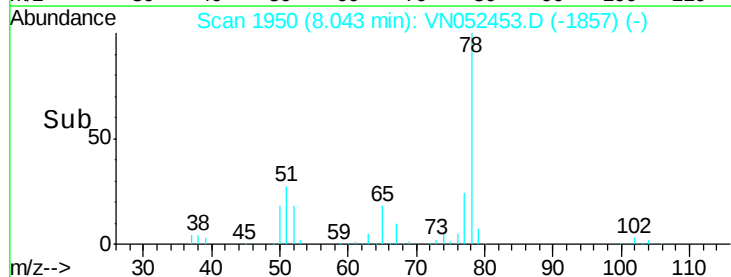
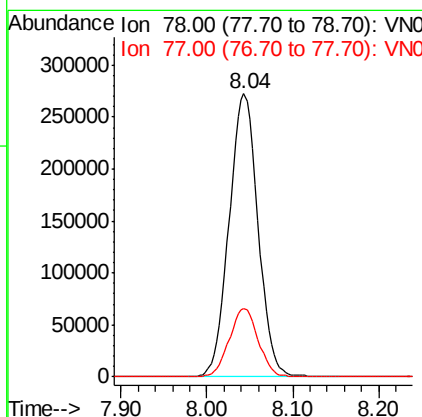
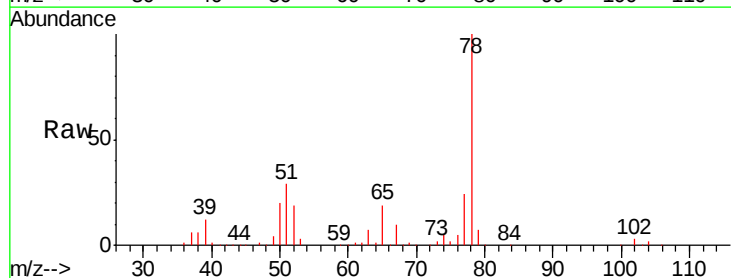
Manual Integrations
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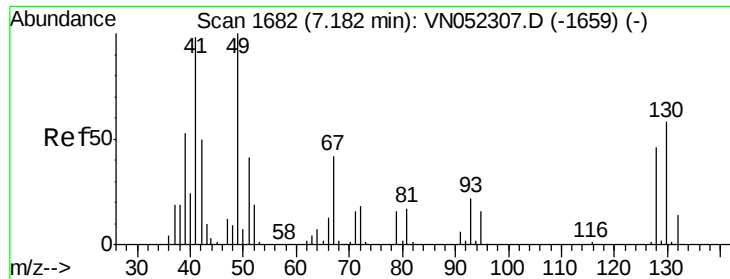
MMDadoda
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#40
Benzene
Concen: 49.76 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





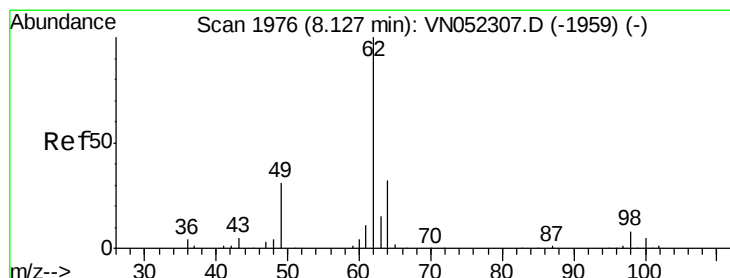
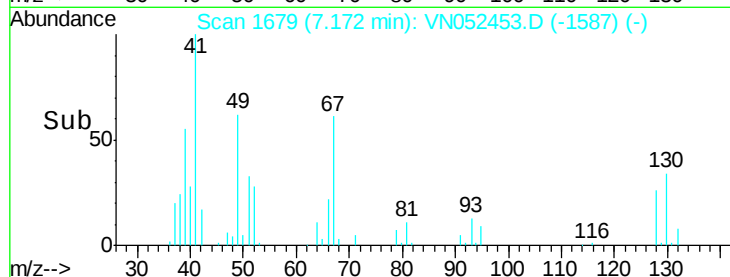
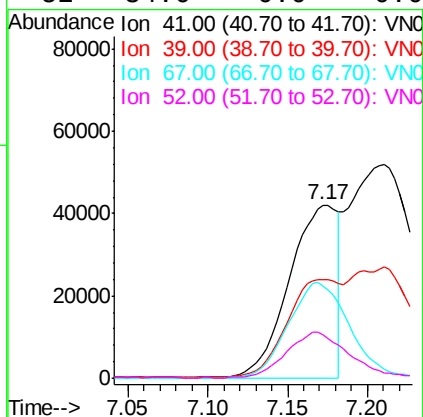
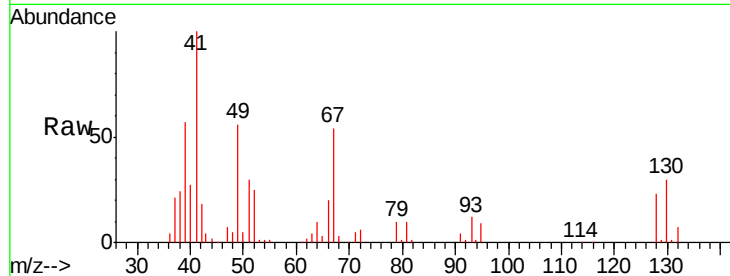
#41
Methacrylonitrile
Concen: 49.46 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.9	0.0	0.0#
67	71.4	0.0	0.0#
52	34.6	0.0	0.0#

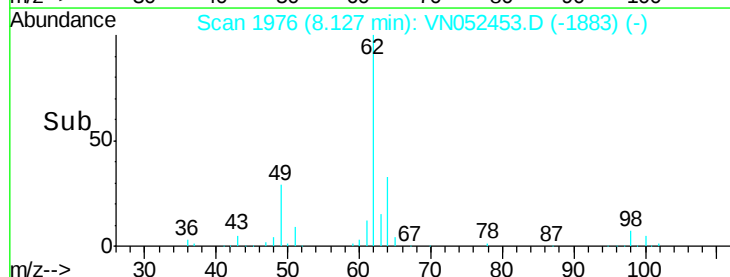
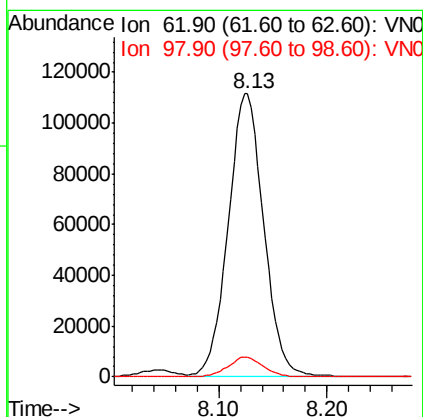
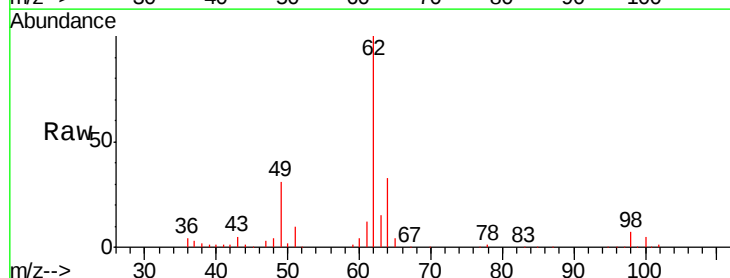
Manual Integrations
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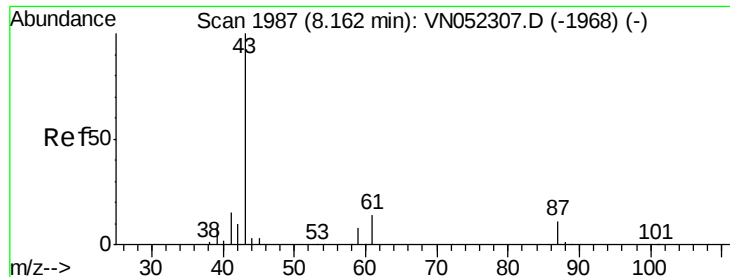
MMDadoda
11/26/2018 4:56:49 PM



#42
1,2-Dichloroethane
Concen: 55.72 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 48.59 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

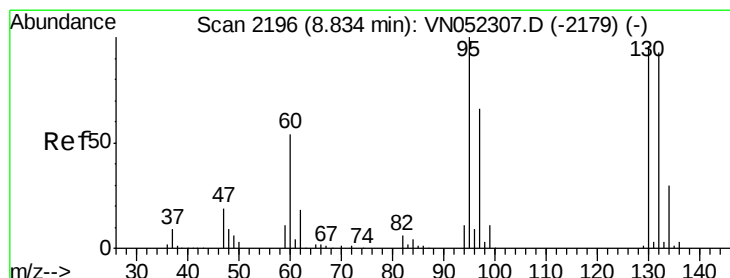
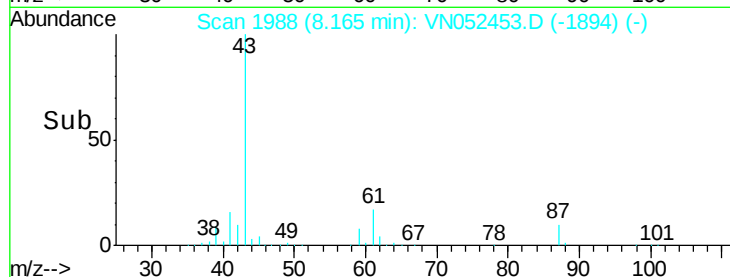
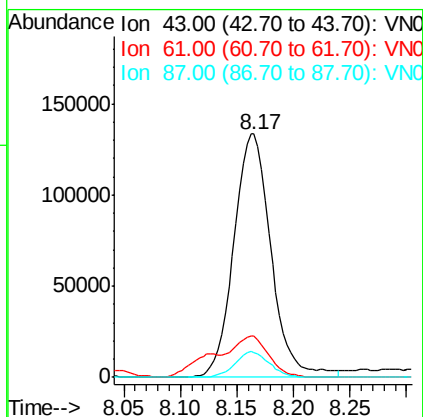
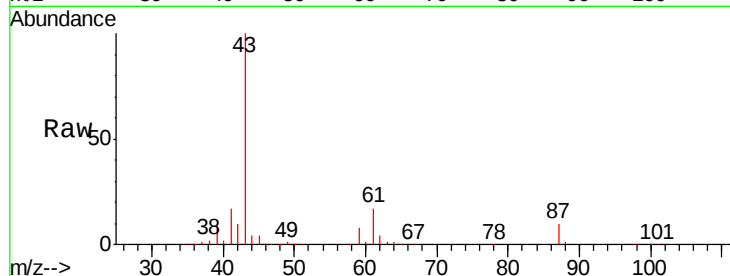
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	304820
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
87	9.8	8.3	12.5

Manual Integrations
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#44

Trichloroethene

Concen: 50.51 ug/l

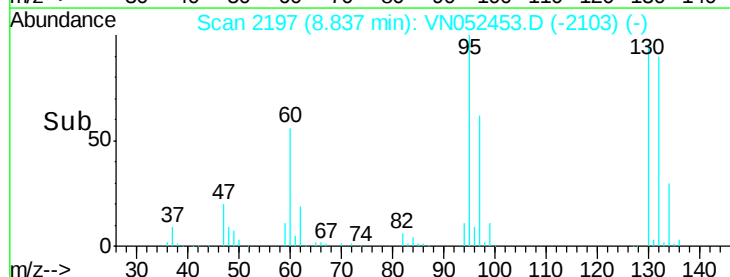
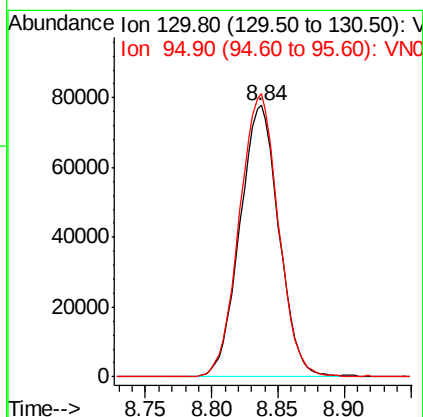
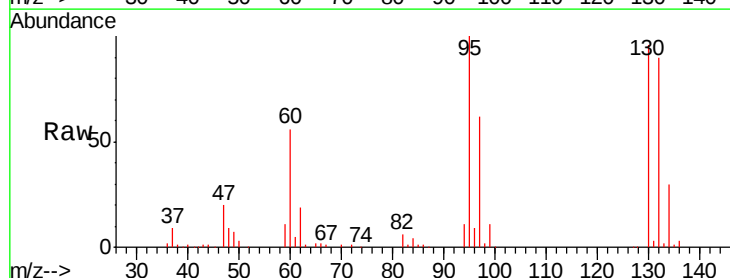
RT: 8.84 min Scan# 2197

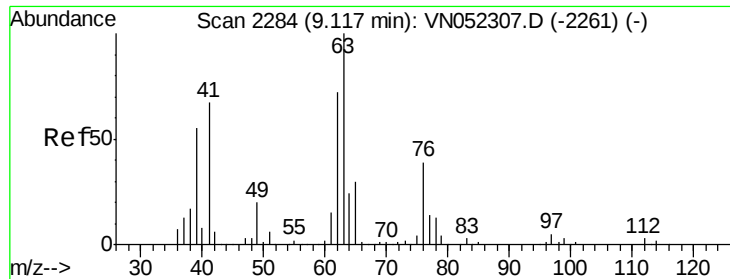
Delta R.T. 0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Tgt Ion:	130	Resp:	159213
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	208.4





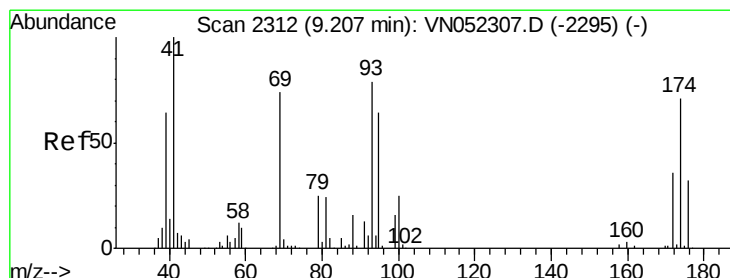
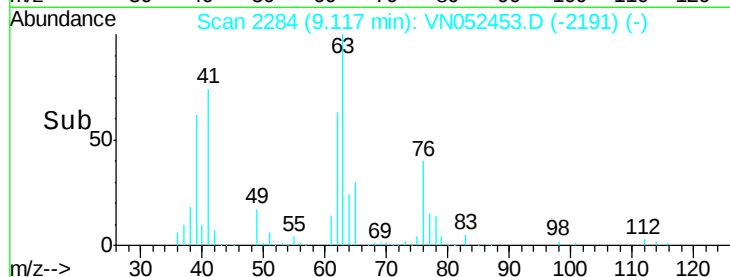
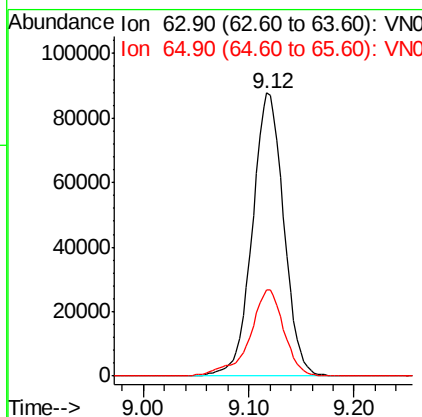
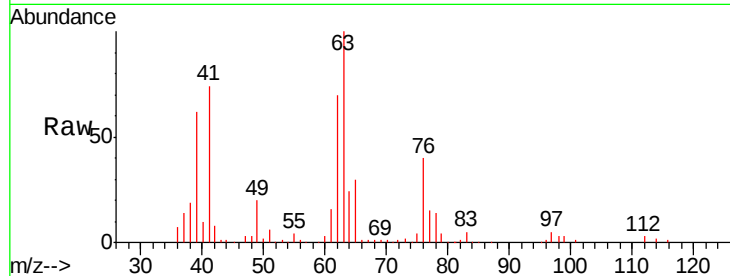
#45
 1,2-Dichloropropane
 Concen: 50.27 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 182561
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4

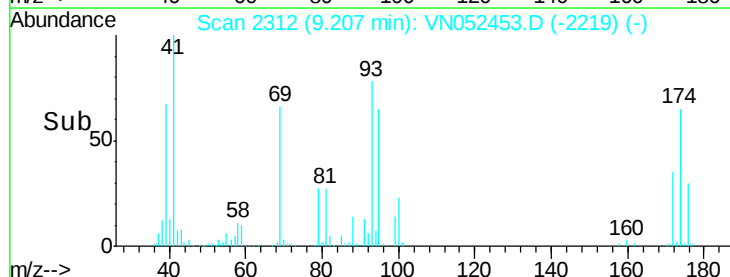
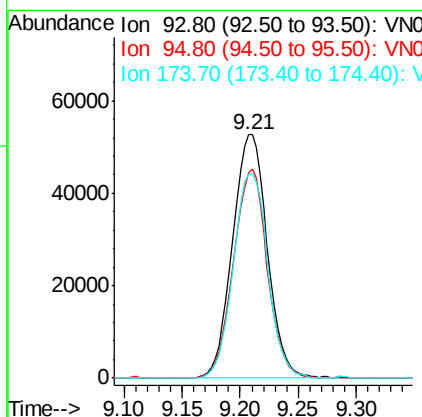
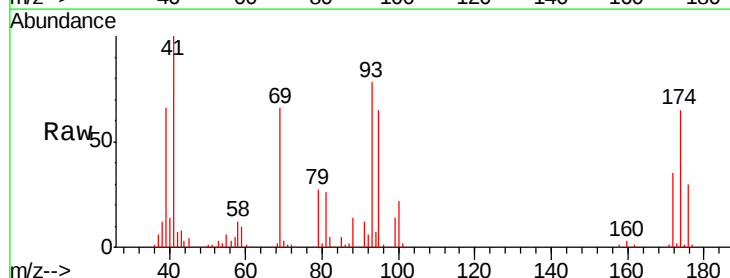
Manual Integrations
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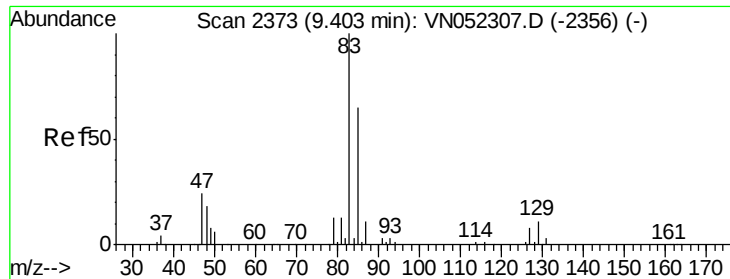
MMDadoda
 11/26/2018 4:56:49 PM



#46
 Dibromomethane
 Concen: 52.11 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion: 93 Resp: 109546
 Ion Ratio Lower Upper
 93 100
 95 83.2 64.2 96.2
 174 83.3 70.9 106.3





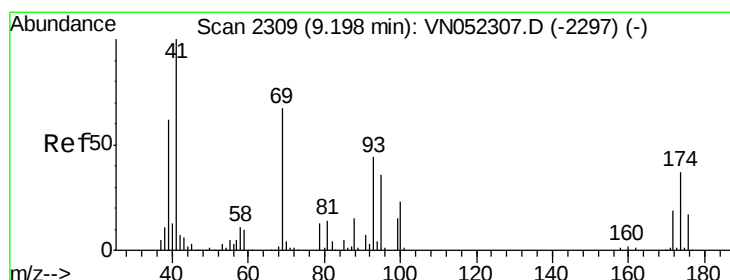
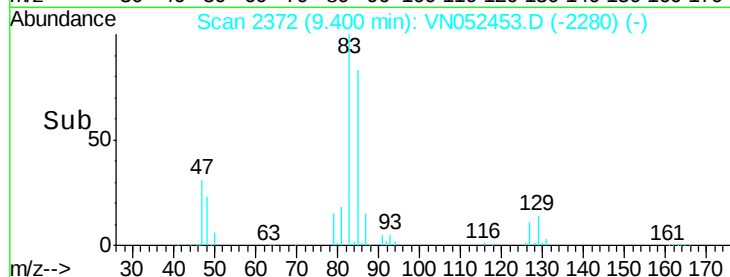
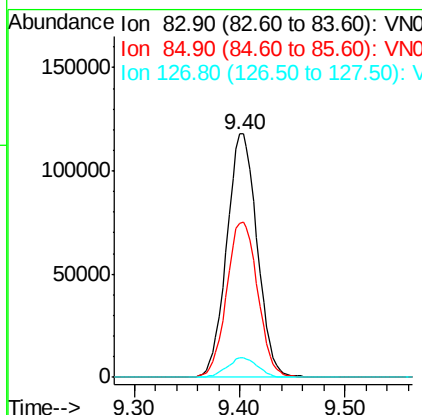
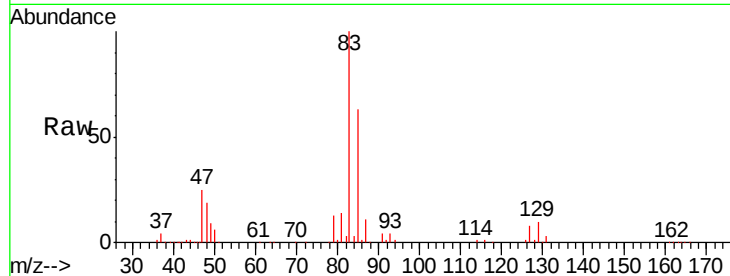
#47
Bromodichloromethane
Concen: 54.47 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	235010		
85	63.4	52.2	78.4	
127	8.1	6.7	10.1	

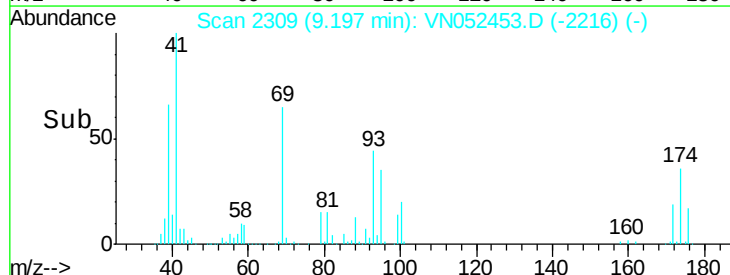
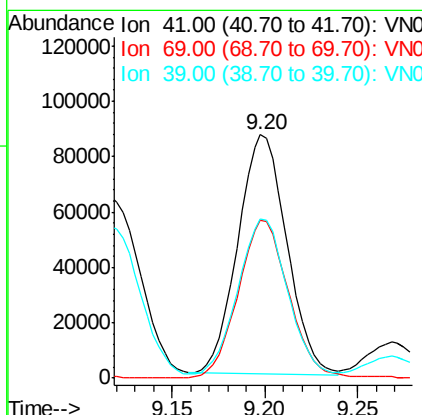
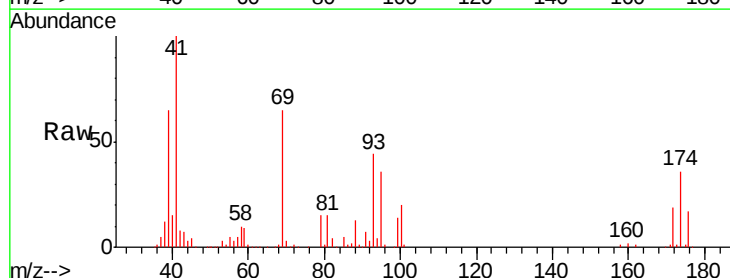
Manual Integrations
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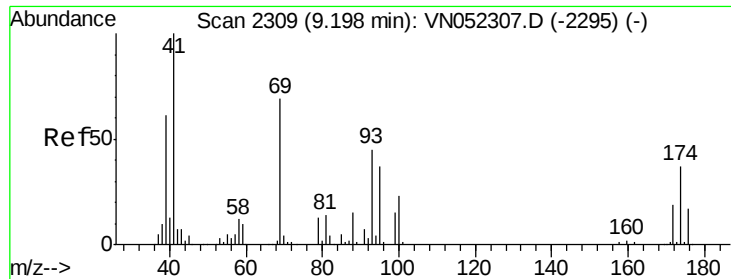
MMDadoda
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#48
Methyl methacrylate
Concen: 49.66 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	158081		
69	68.1	57.1	85.7	
39	68.6	52.5	78.7	





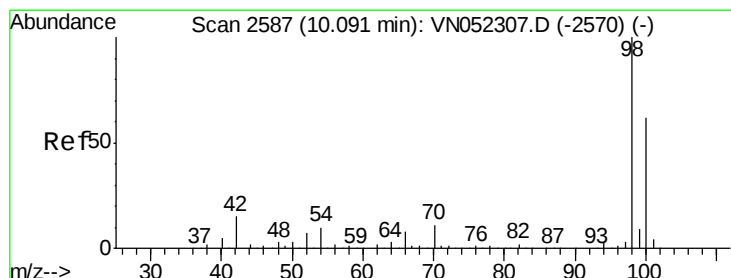
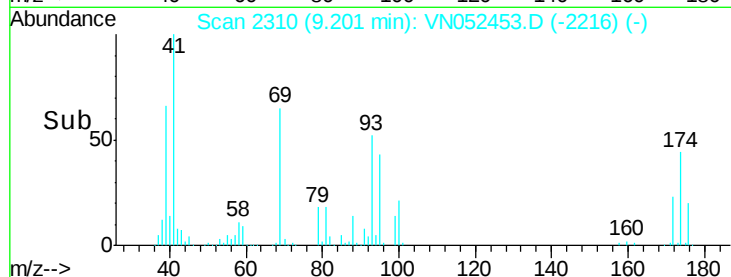
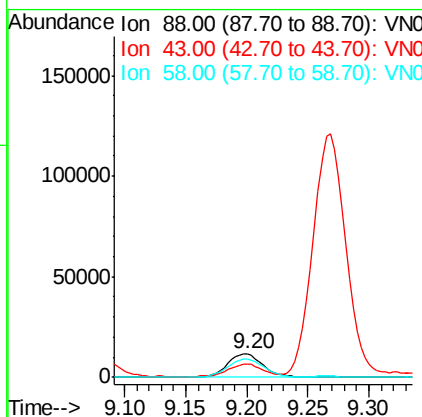
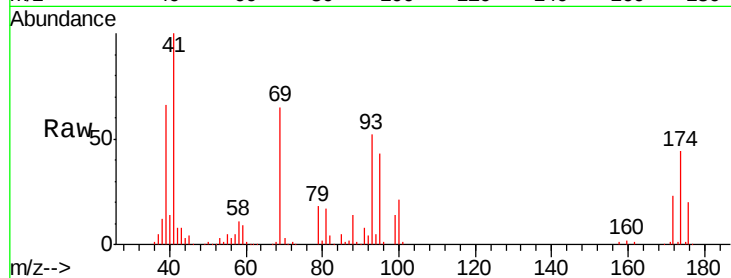
#49
1,4-Dioxane
Concen: 985.70 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24085
Ion Ratio Lower Upper
88 100
43 50.2 33.3 49.9#
58 79.8 59.2 88.8

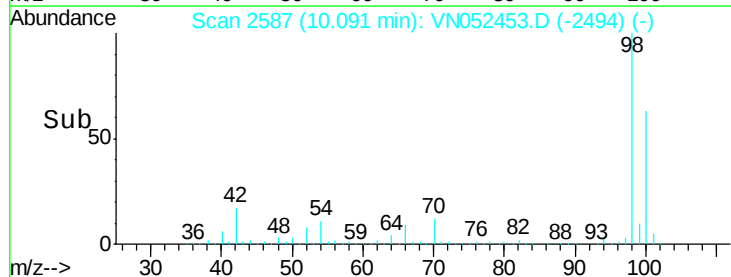
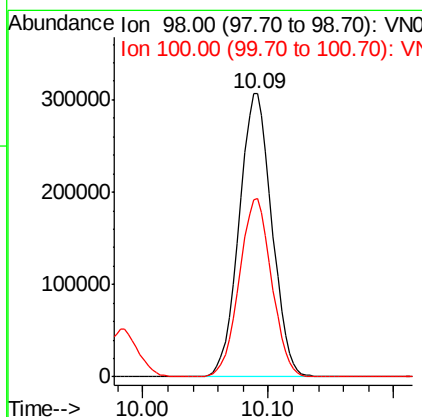
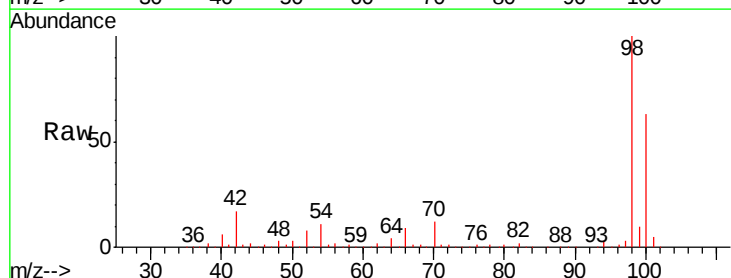
Manual Integrations
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#50
Toluene-d8
Concen: 985.70 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 98 Resp: 556599
Ion Ratio Lower Upper
98 100
100 62.0 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 265.89 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 839591

Ion Ratio Lower Upper

43 100

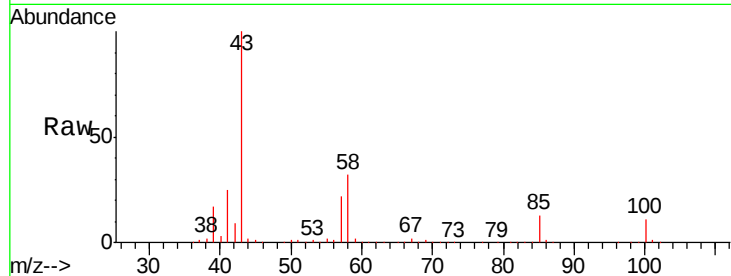
58 32.7 27.0 40.6

Manual Integrations

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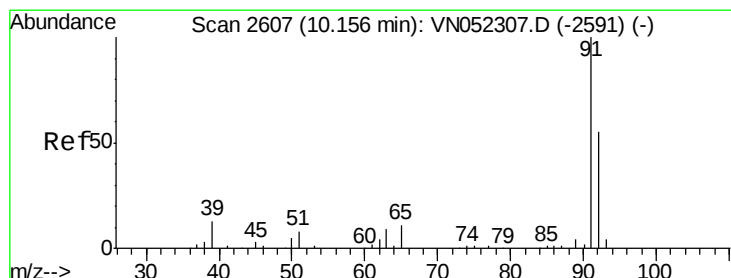
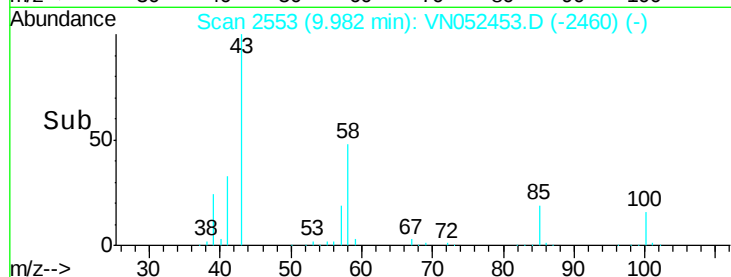
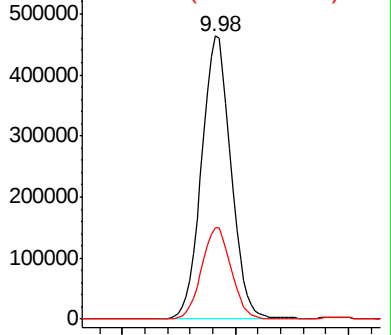
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.11 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052453.D

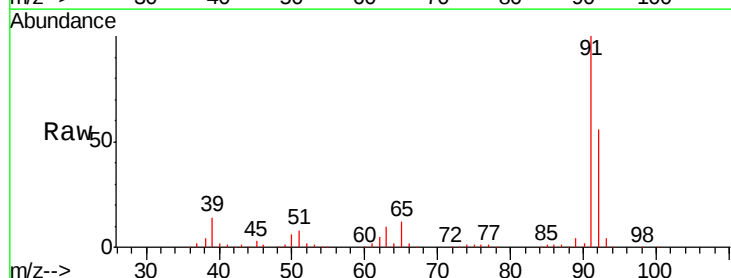
Acq: 21 Nov 2018 21:50

Tgt Ion: 92 Resp: 391274

Ion Ratio Lower Upper

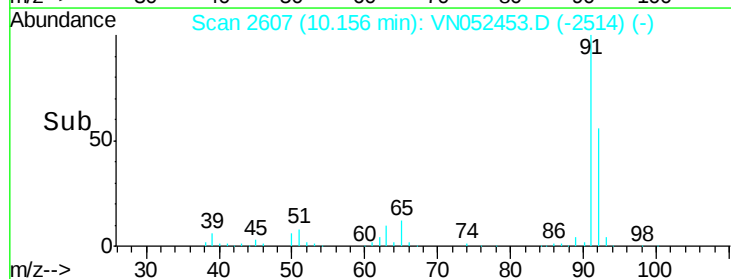
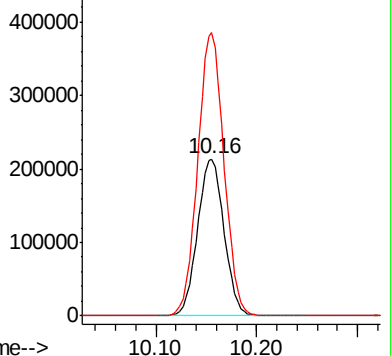
92 100

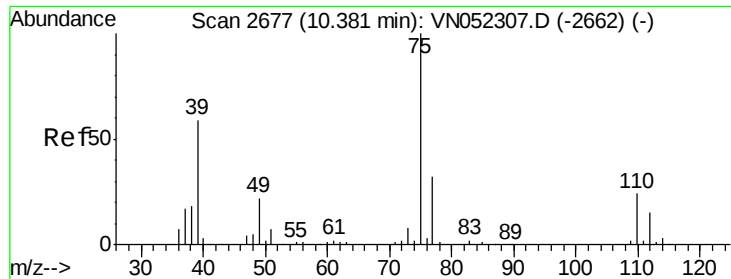
91 178.5 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





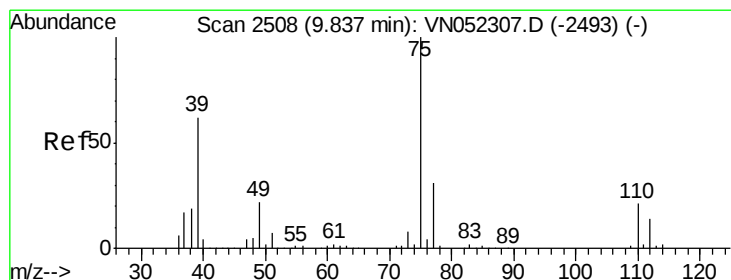
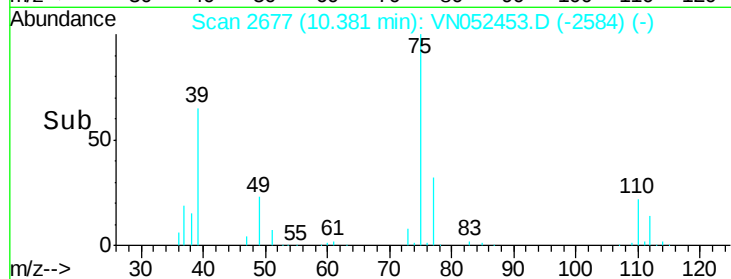
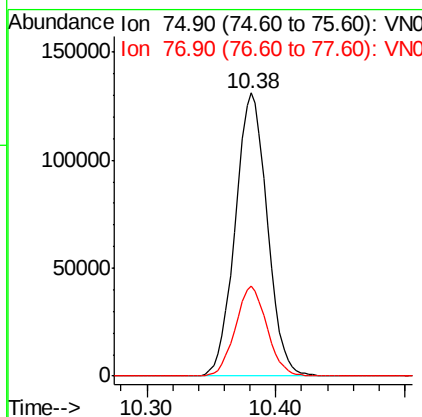
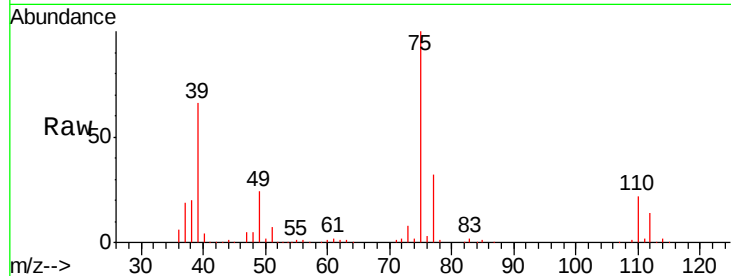
#53
t-1,3-Dichloropropene
Concen: 51.93 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 225956
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5

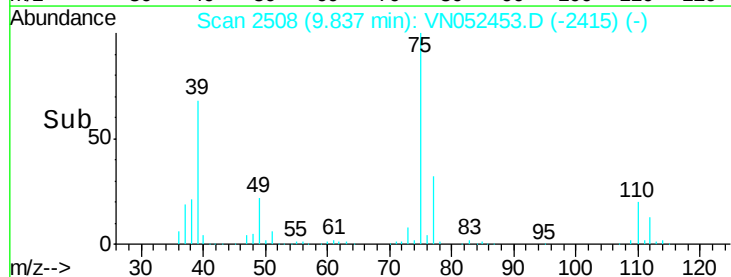
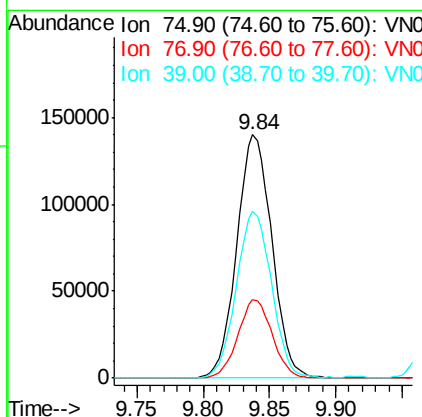
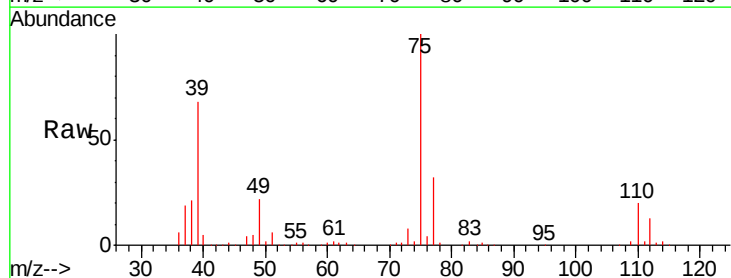
Manual Integrations
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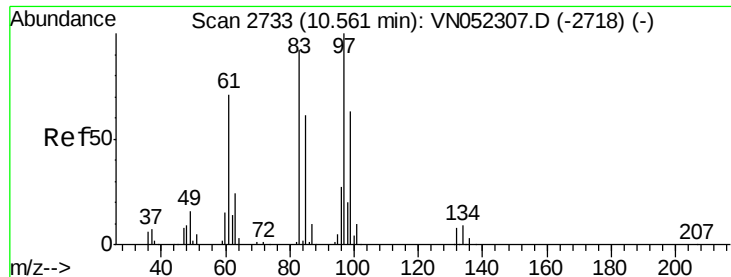
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#54
cis-1,3-Dichloropropene
Concen: 52.03 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 75 Resp: 258065
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 68.2 49.9 74.9





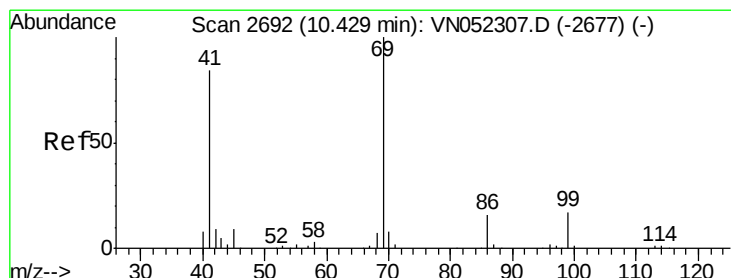
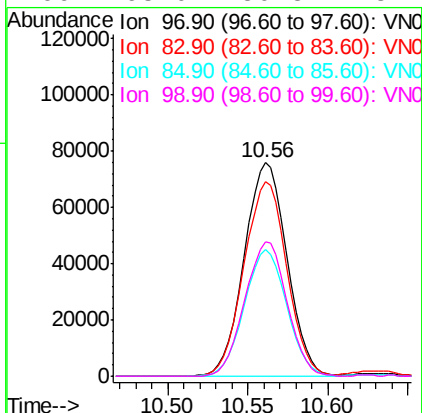
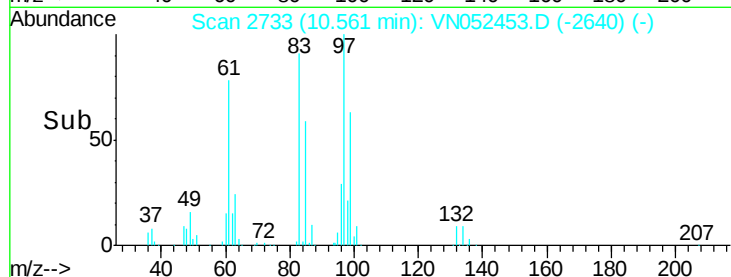
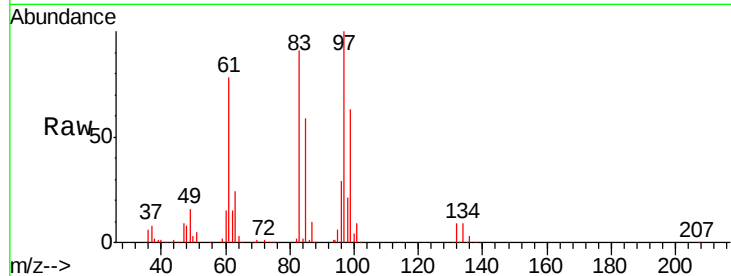
#55
 1,1,2-Trichloroethane
 Concen: 50.10 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.8	110.6
85	59.4	49.0	73.4
99	63.0	50.5	75.7

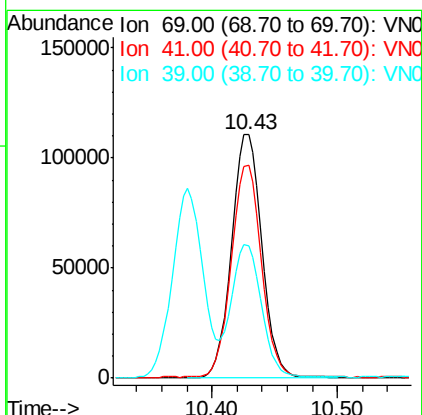
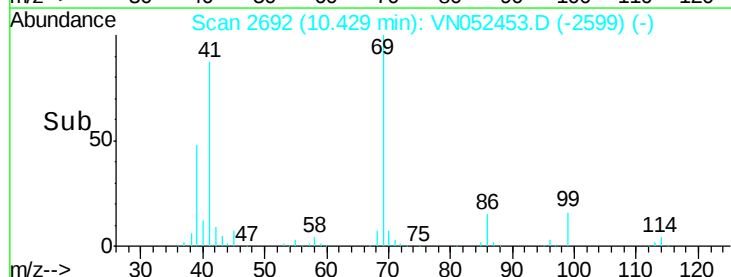
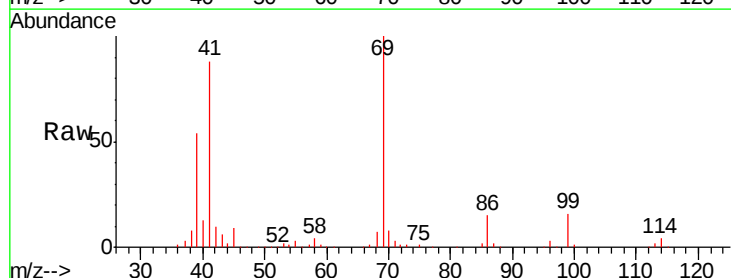
Manual Integrations
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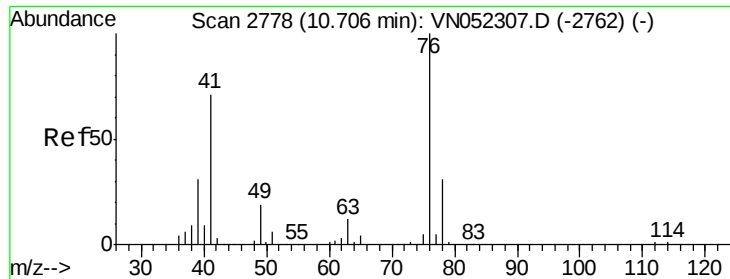
MMDadoda
 11/26/2018 4:56:49 PM



#56
 Ethyl methacrylate
 Concen: 51.07 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	86.2	64.8	97.2
39	53.5	41.0	61.6





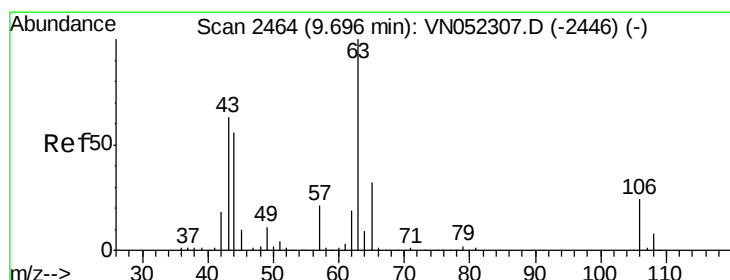
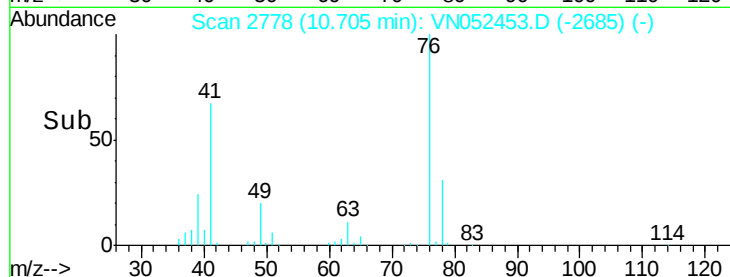
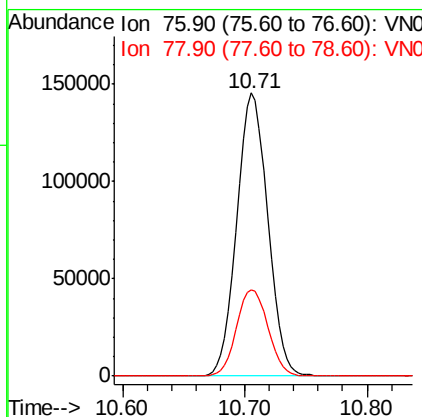
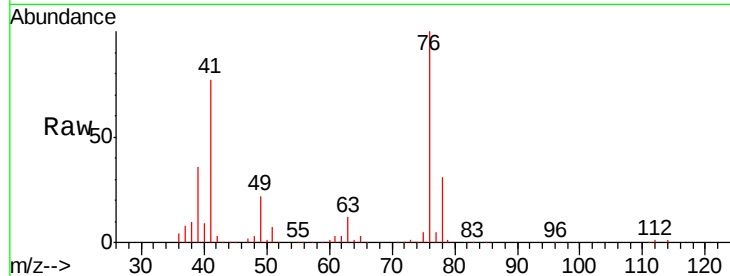
#57
 1,3-Dichloropropane
 Concen: 52.03 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 255751
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.7 38.5

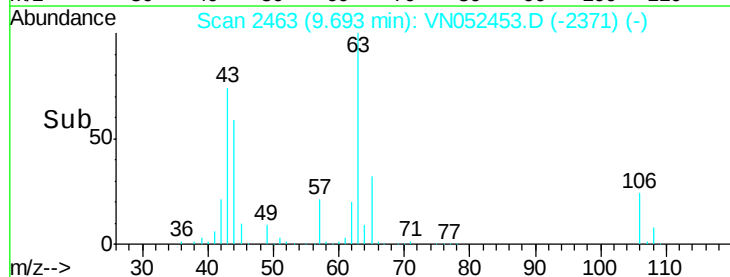
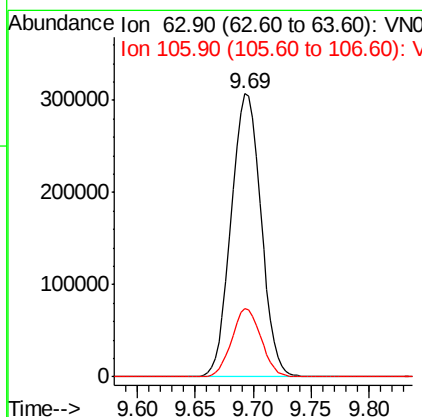
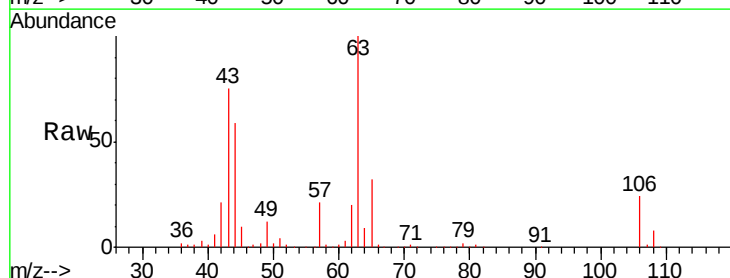
Manual Integrations
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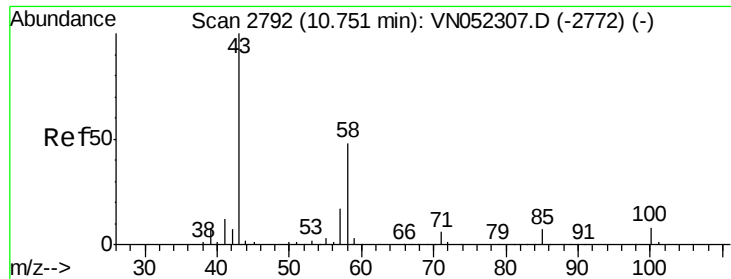
MMDadoda
 11/26/2018 4:56:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.52 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion: 63 Resp: 549601
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.3 28.9





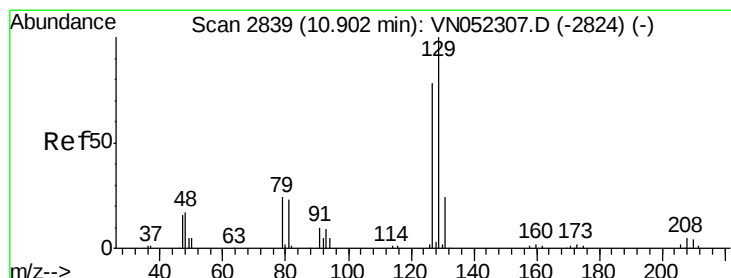
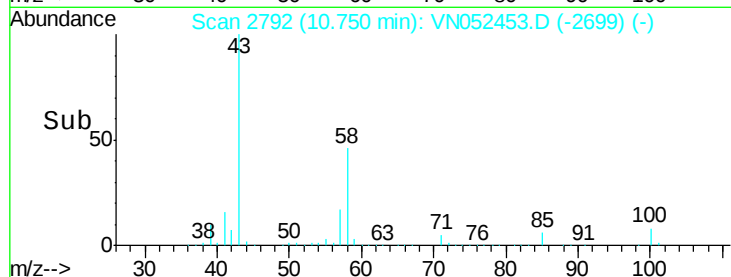
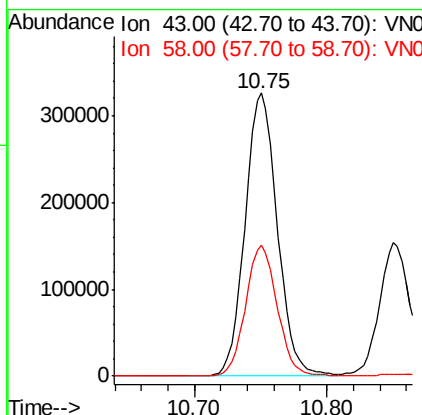
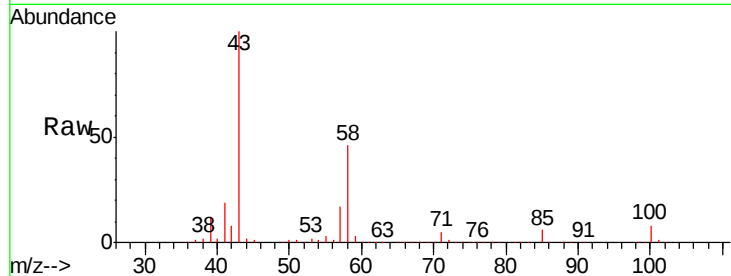
#59
2-Hexanone
Concen: 253.04 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 549584
Ion Ratio Lower Upper
43 100
58 45.7 23.5 70.6

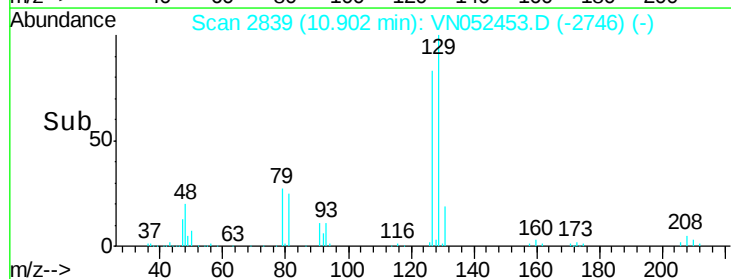
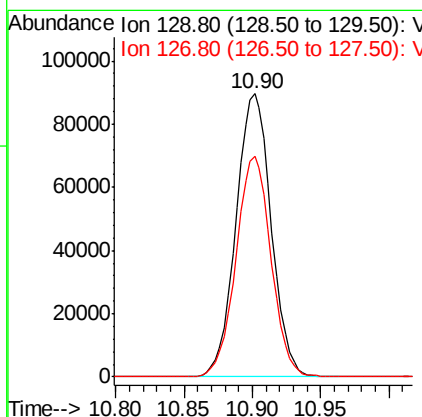
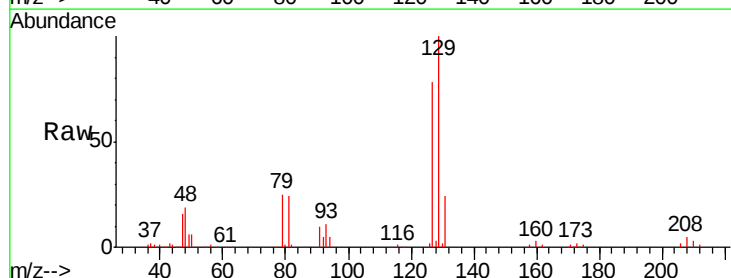
Manual Integrations
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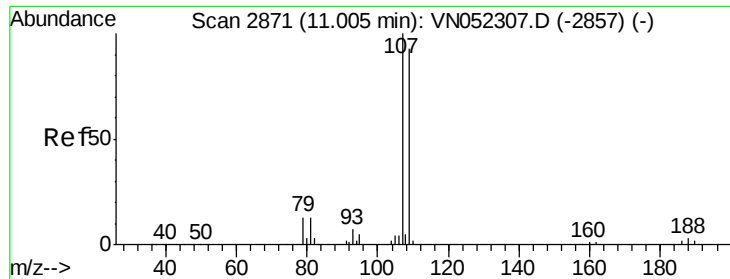
MMDadoda
11/26/2018 4:56:49 PM



#60
Dibromochloromethane
Concen: 53.39 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 129 Resp: 160306
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.02 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 138277

Ion Ratio Lower Upper

107 100

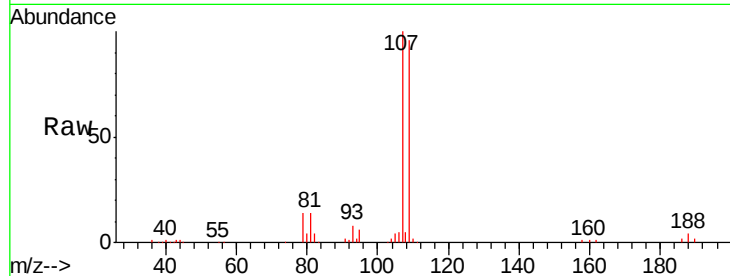
109 94.5 74.9 112.3

Manual Integrations

APPROVED

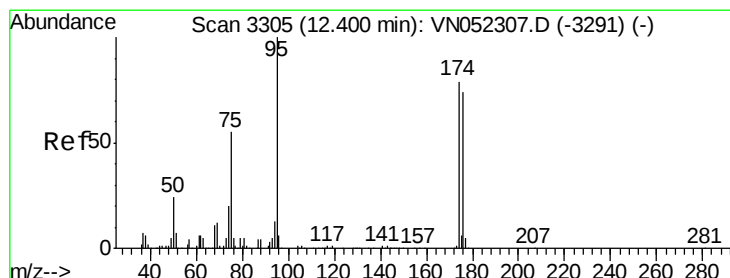
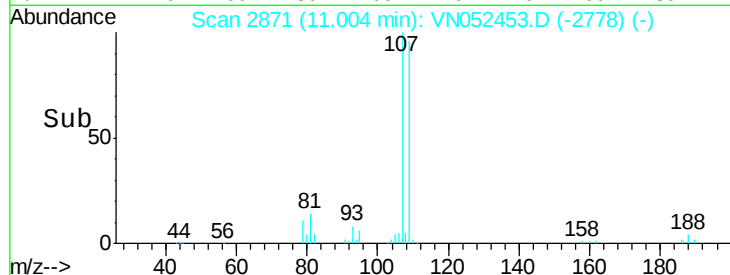
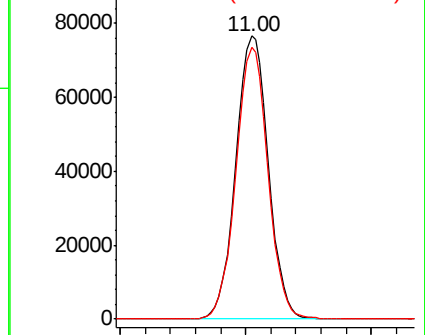
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.02 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

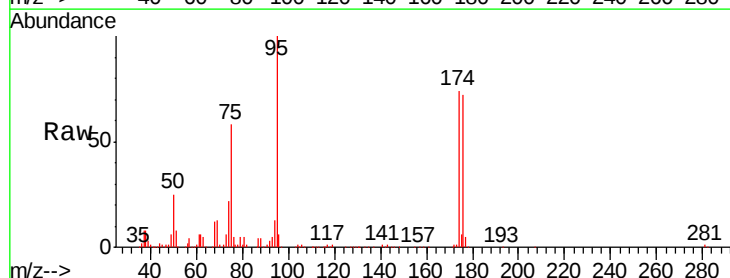
Tgt Ion: 95 Resp: 196631

Ion Ratio Lower Upper

95 100

174 74.6 0.0 156.0

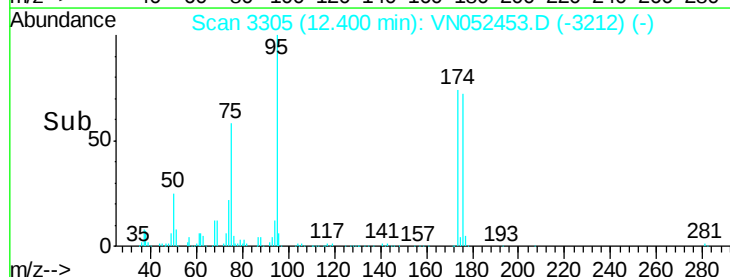
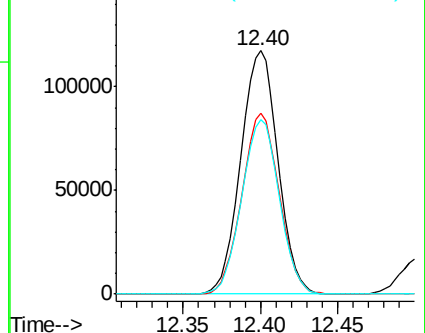
176 72.3 0.0 148.4

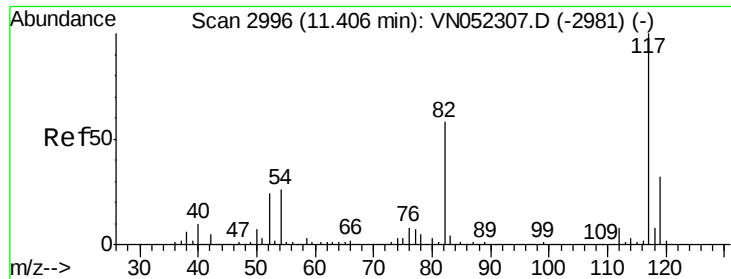


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





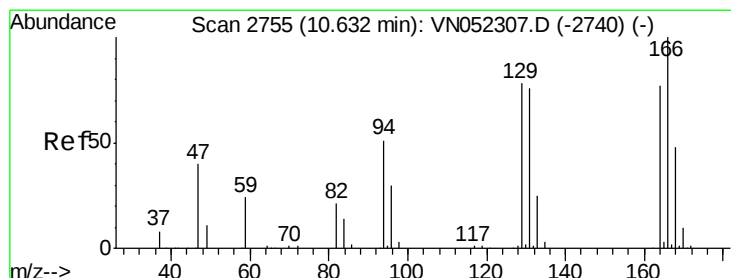
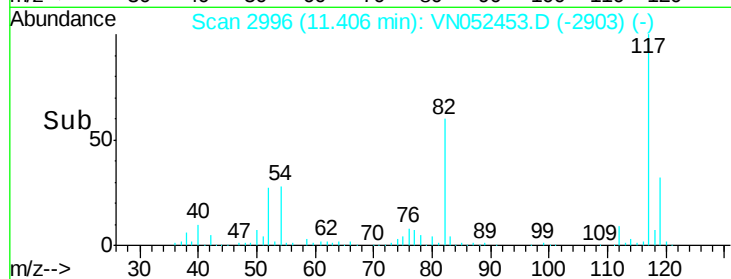
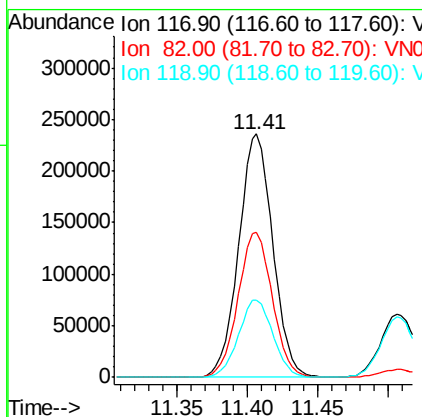
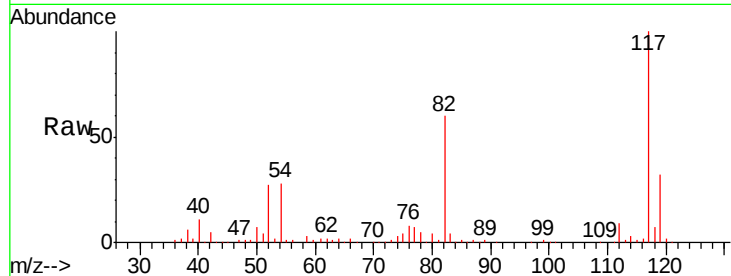
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.5	69.7
119	31.9	25.7	38.5

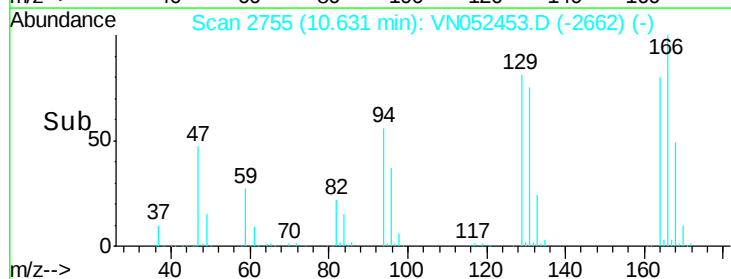
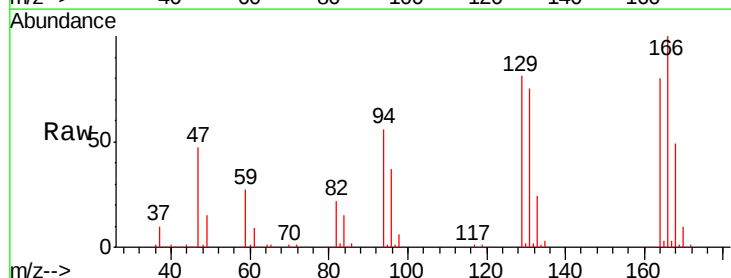
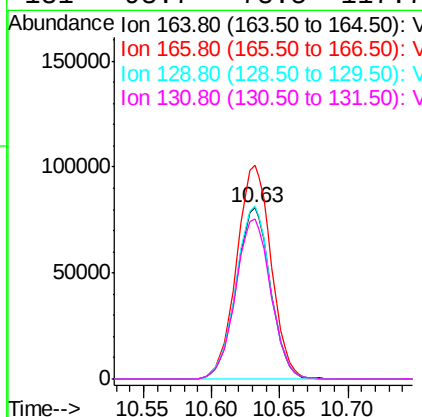
Manual Integrations
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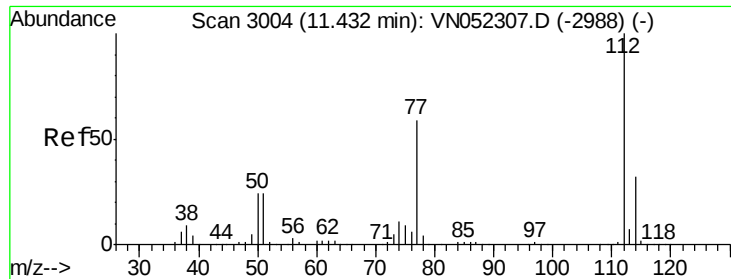
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#64
Tetrachloroethene
Concen: 49.62 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.8	155.6
129	100.9	80.7	121.1
131	93.7	78.5	117.7





#65

Chlorobenzene

Concen: 49.91 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 422063

Ion Ratio Lower Upper

112 100

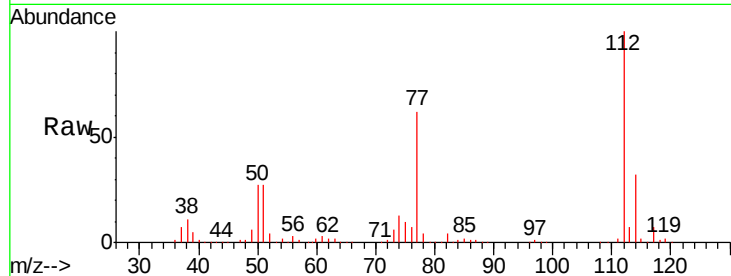
114 31.9 25.9 38.9

Manual Integrations

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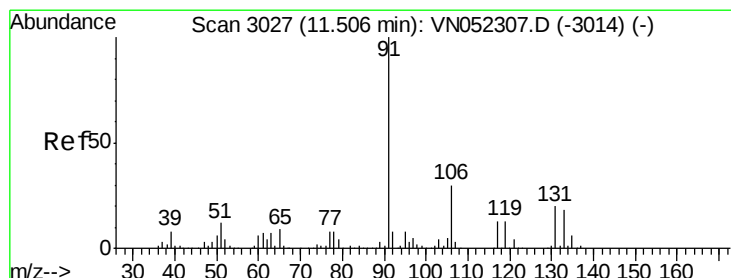
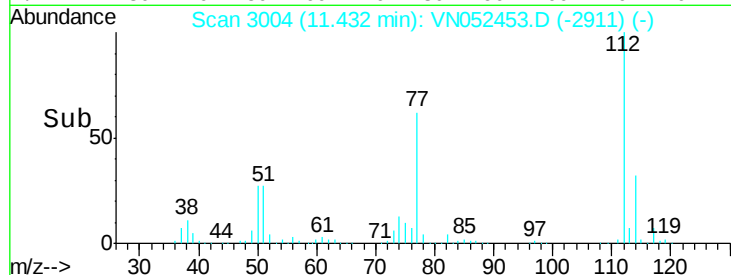
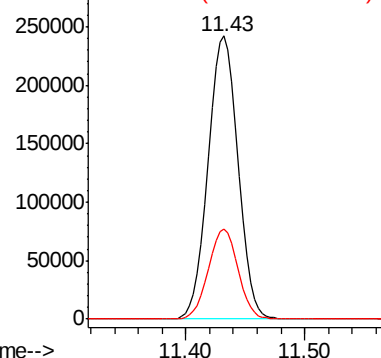
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.19 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

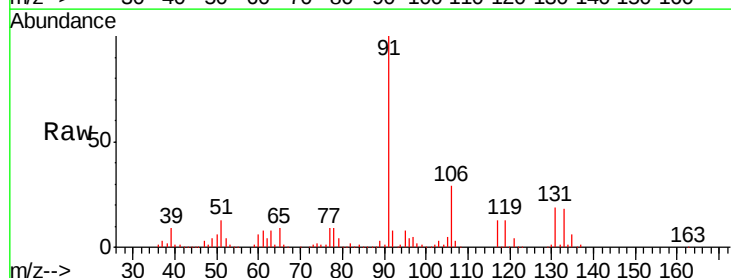
Tgt Ion:131 Resp: 153374

Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.3

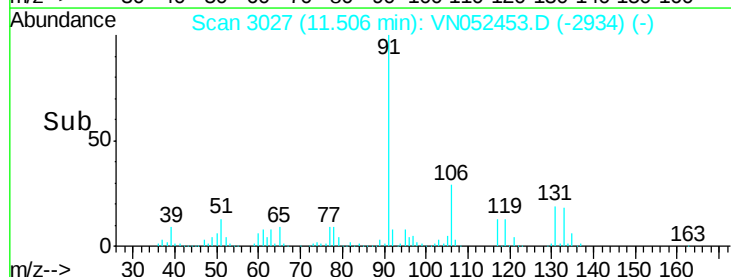
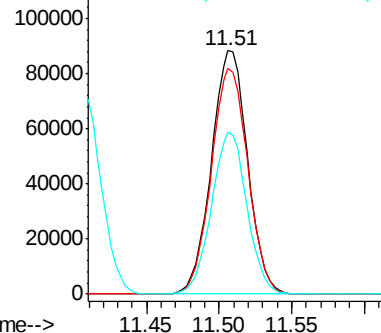
119 64.9 33.3 99.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





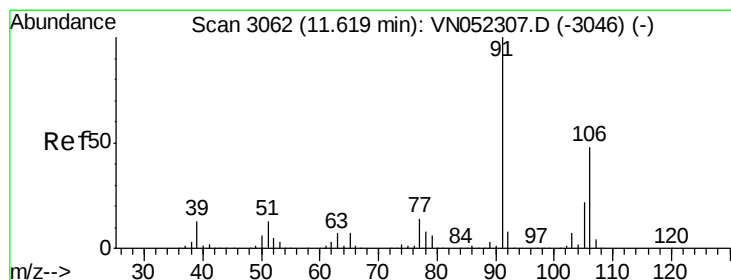
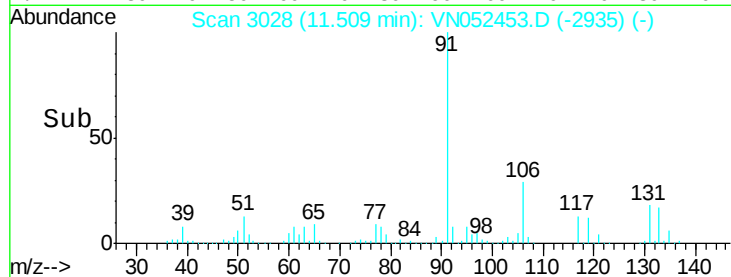
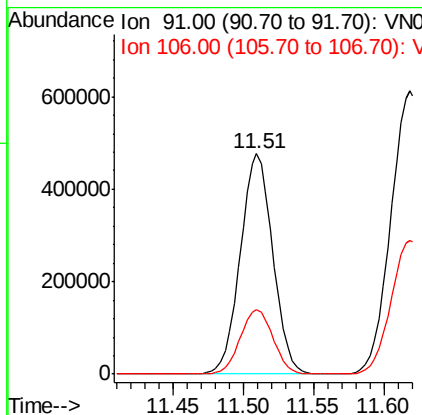
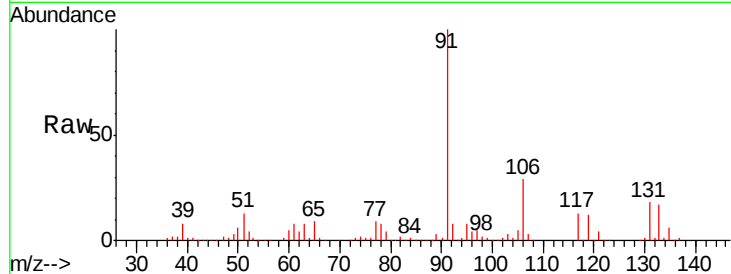
#67
Ethyl Benzene
Concen: 52.44 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 769644
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2

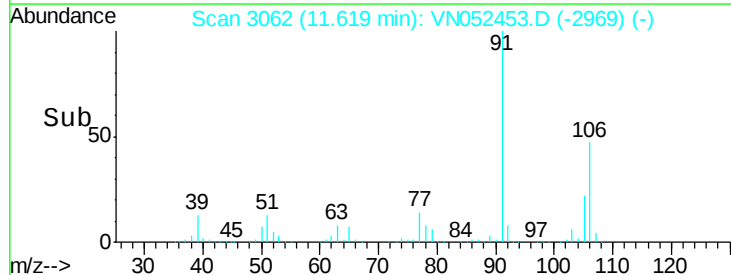
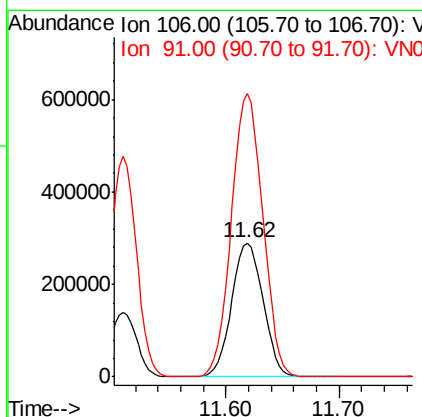
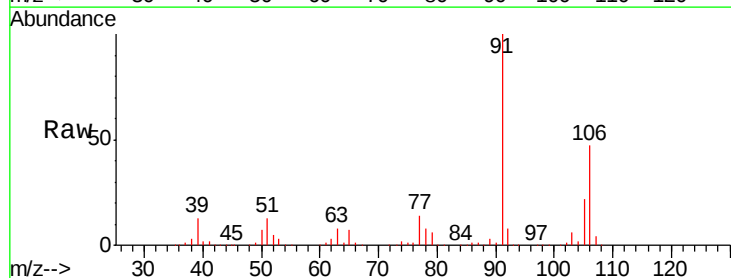
Manual Integrations
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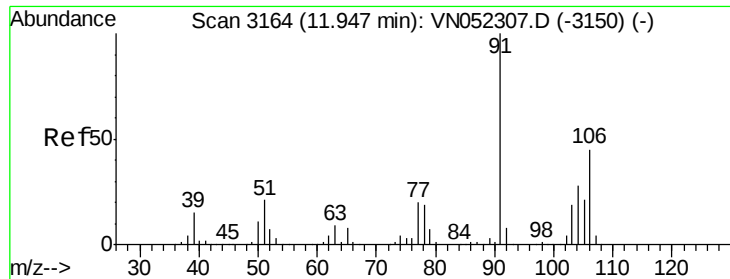
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#68
m/p-Xylenes
Concen: 104.81 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 106 Resp: 562064
Ion Ratio Lower Upper
106 100
91 210.8 165.5 248.3





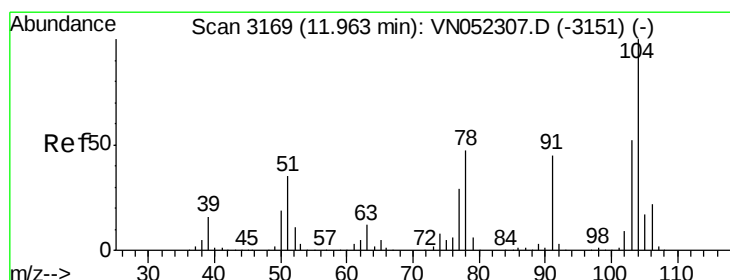
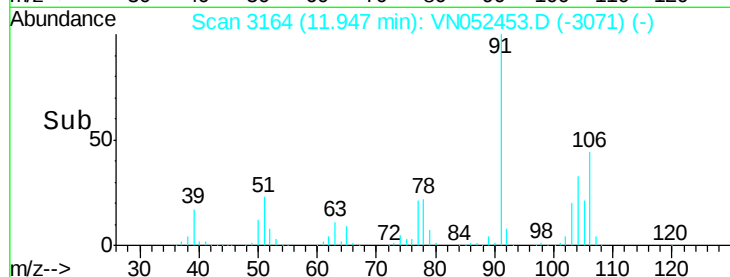
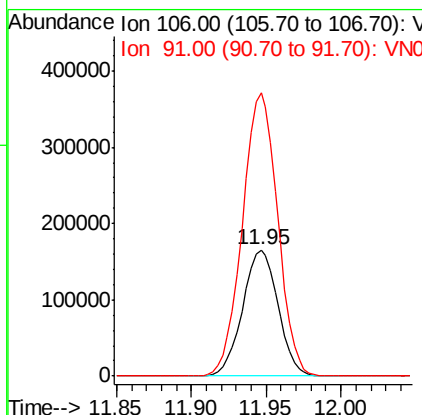
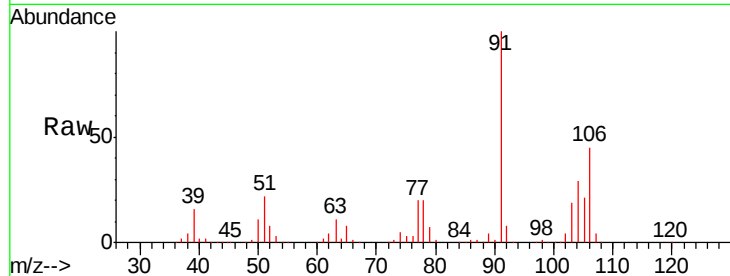
#69
o-Xylene
Concen: 52.94 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 272140
Ion Ratio Lower Upper
106 100
91 224.1 110.0 330.0

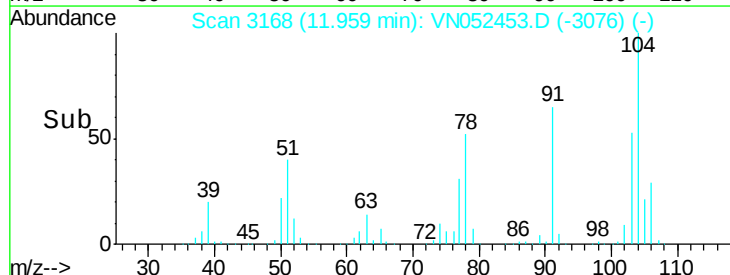
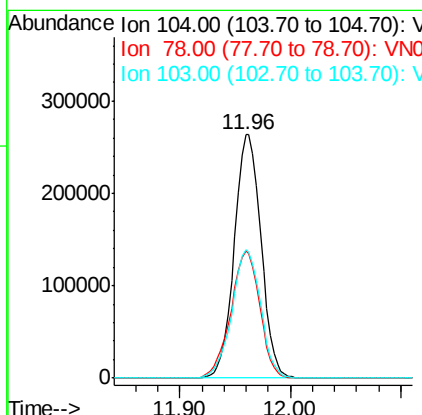
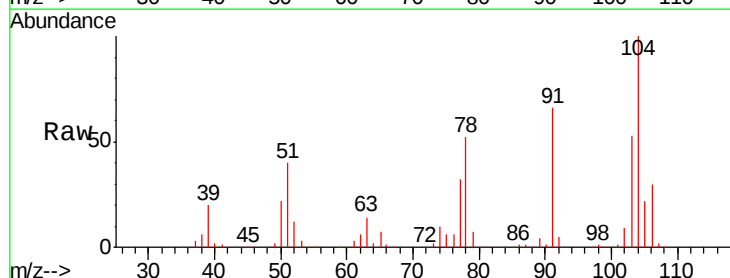
Manual Integrations
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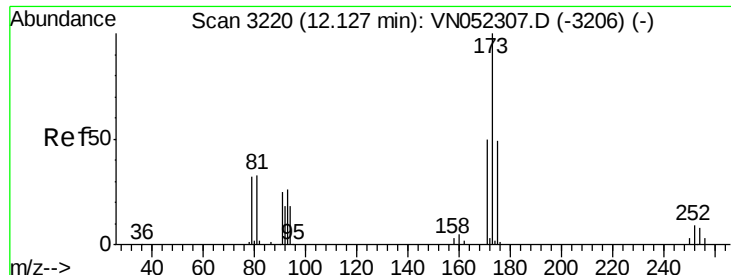
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#70
Styrene
Concen: 53.78 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion:104 Resp: 442683
Ion Ratio Lower Upper
104 100
78 56.8 42.7 64.1
103 56.6 45.4 68.0





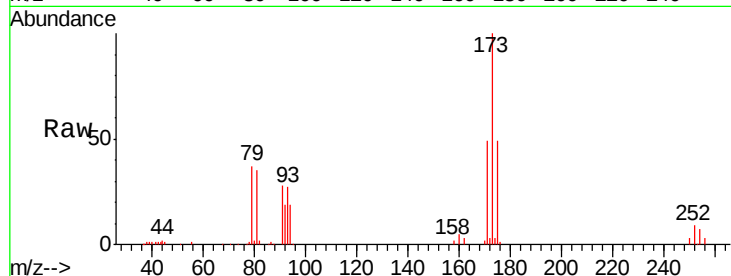
#71
Bromoform
Concen: 56.55 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

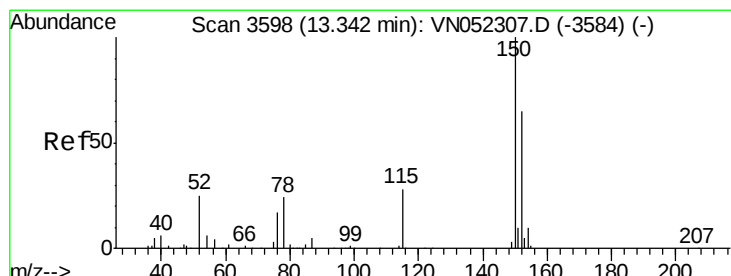
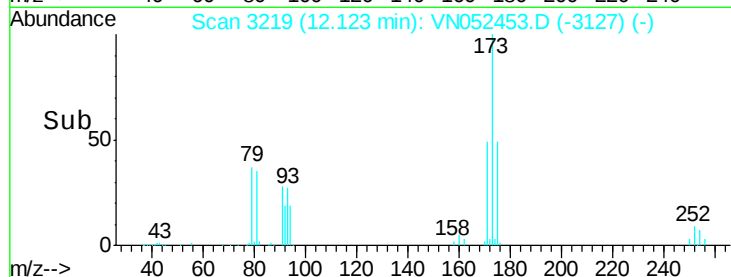
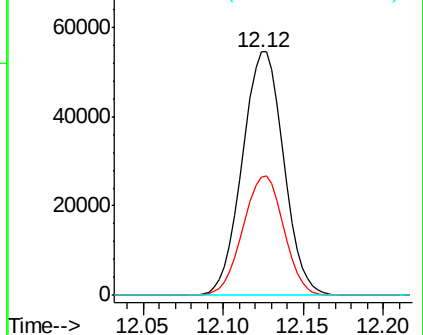
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	25.0	75.0
254	0.0	0.0	0.0

Manual Integrations
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11/26/2018 4:56:49 PM

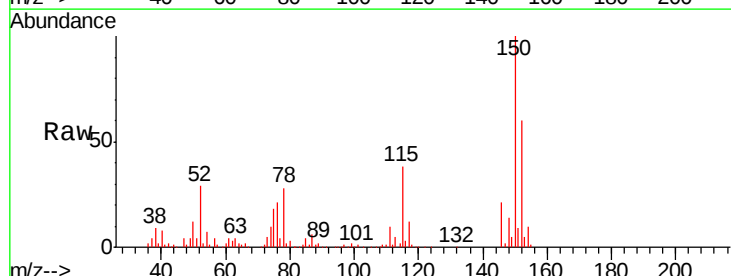


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

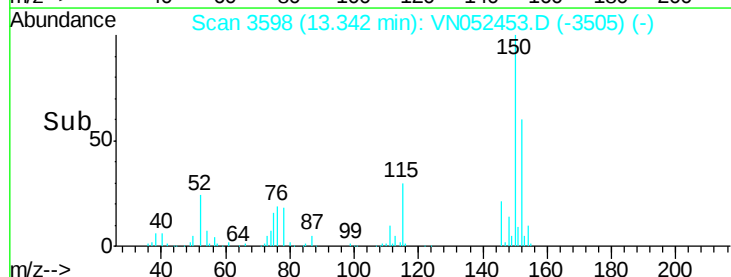
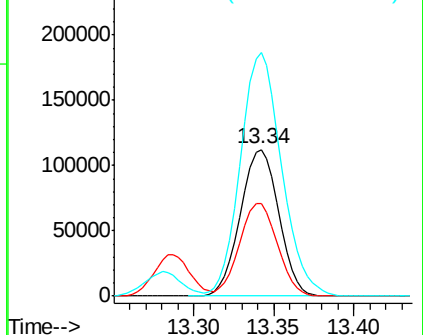


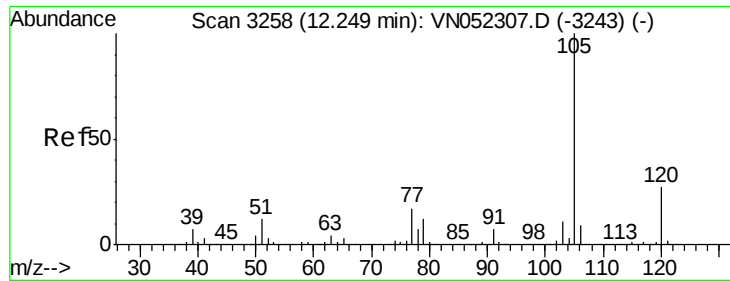
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.3	91.0
150	177.9	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.61 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 749264

Ion Ratio Lower Upper

105 100

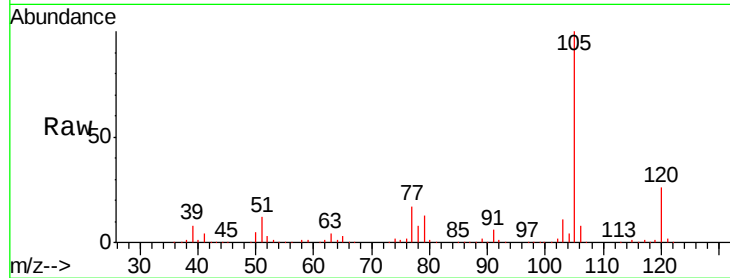
120 26.1 13.4 40.1

Manual Integrations

APPROVED

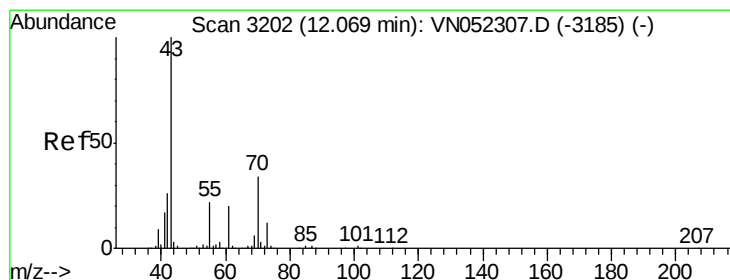
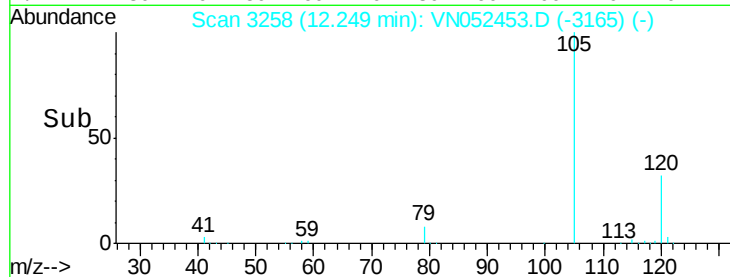
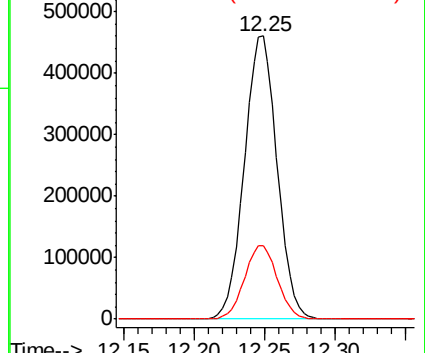
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.34 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Tgt Ion: 43 Resp: 260169

Ion Ratio Lower Upper

43 100

70 33.5 27.1 40.7

55 22.7 17.4 26.0

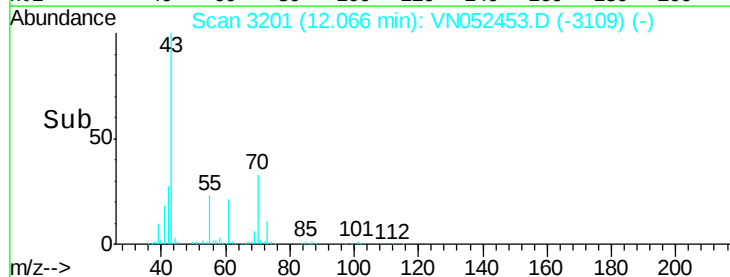
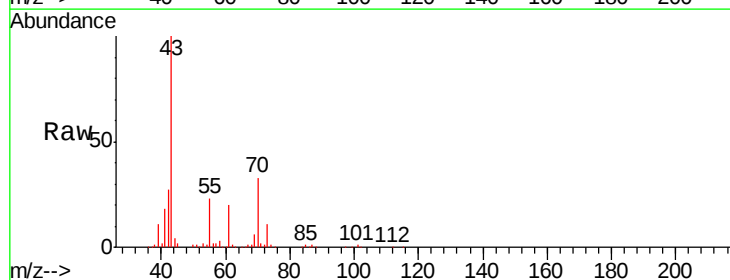
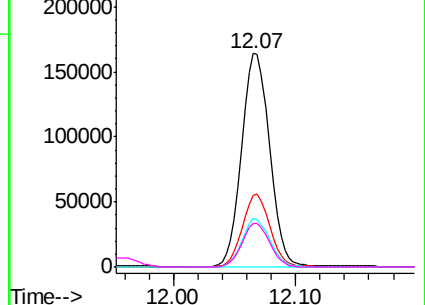
61 20.1 16.1 24.1

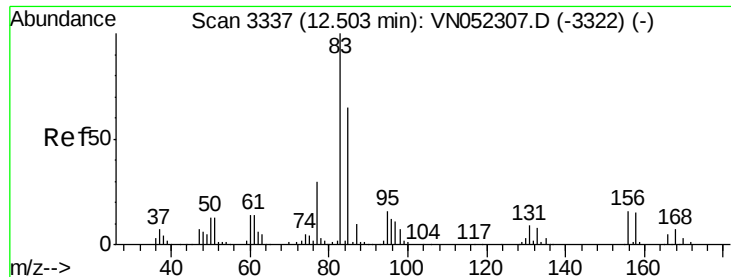
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.95 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 171576

Ion Ratio Lower Upper

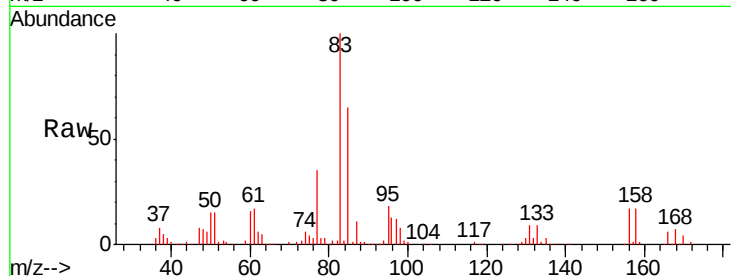
83 100

131 9.7 4.7 14.1

85 65.0 32.4 97.2

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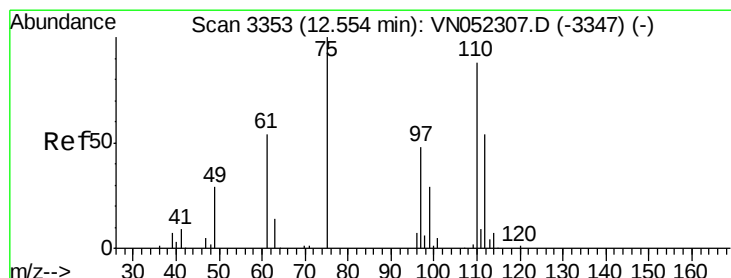
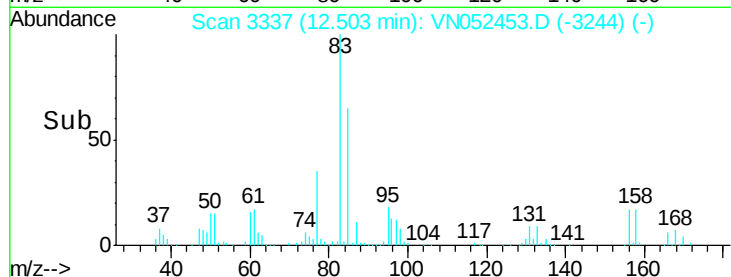
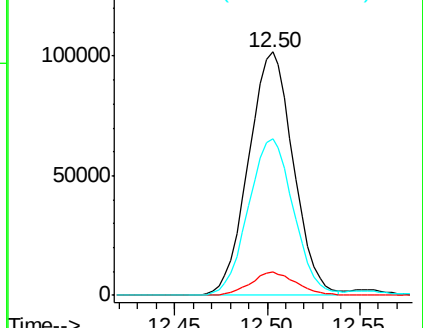
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.20 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052453.D

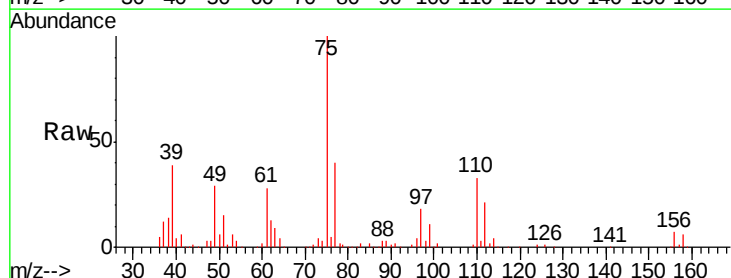
Acq: 21 Nov 2018 21:50

Tgt Ion: 75 Resp: 153710

Ion Ratio Lower Upper

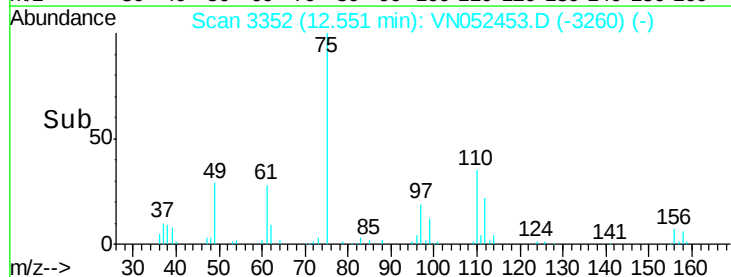
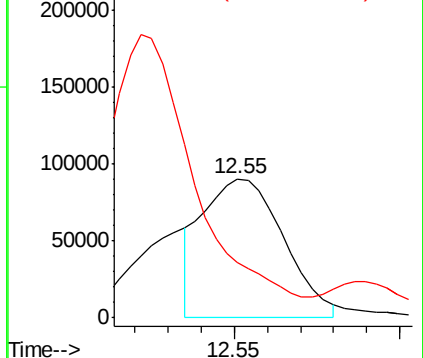
75 100

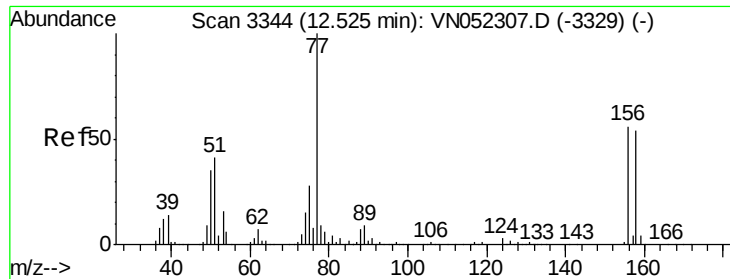
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.14 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

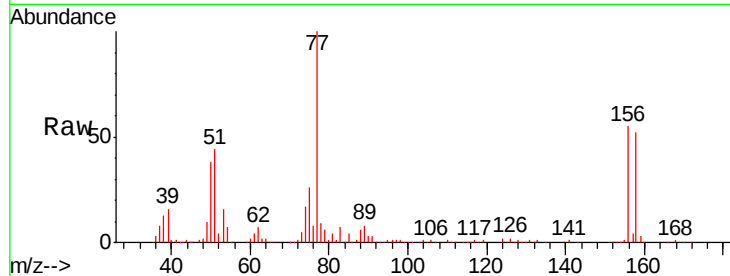
ClientSampleId :

VSTDCCC050EC

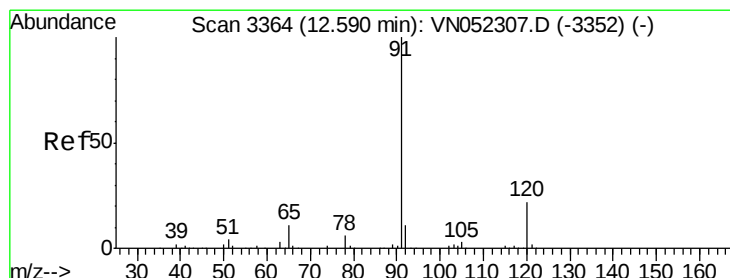
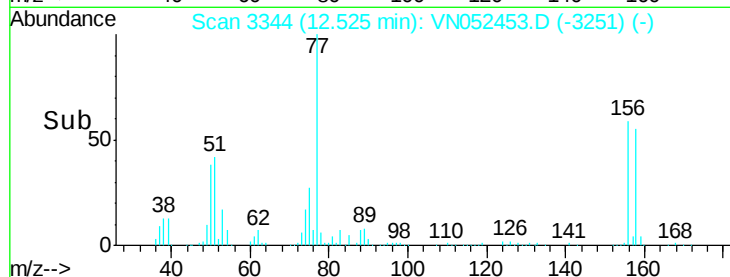
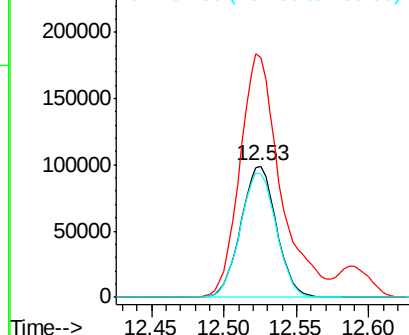
Tgt Ion:	156	Resp:	169262
Ion Ratio	Lower	Upper	
156	100		
77	212.2	103.6	310.9
158	95.7	48.1	144.4

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.11 ug/l

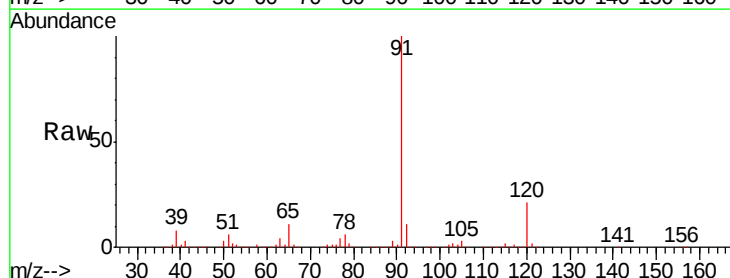
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

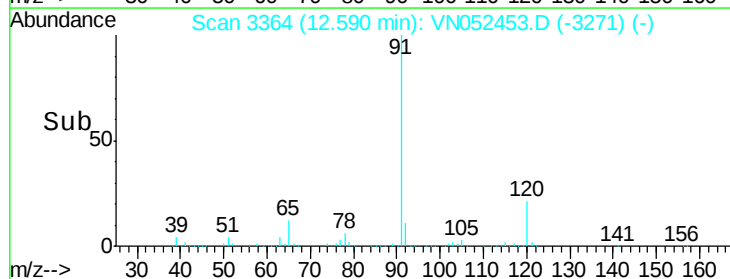
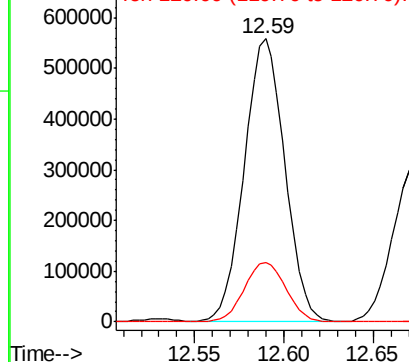
Lab File: VN052453.D

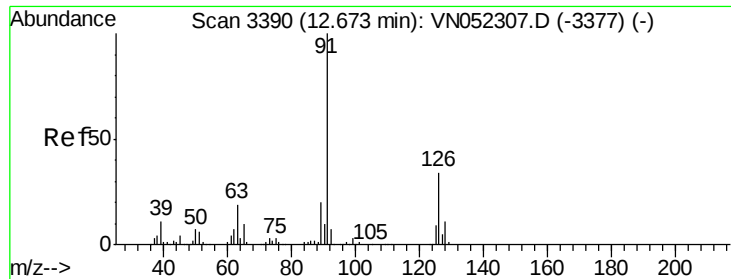
Acq: 21 Nov 2018 21:50

Tgt Ion:	91	Resp:	884857
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.13 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052453.D

Acq: 21 Nov 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 517155

Ion Ratio Lower Upper

91 100

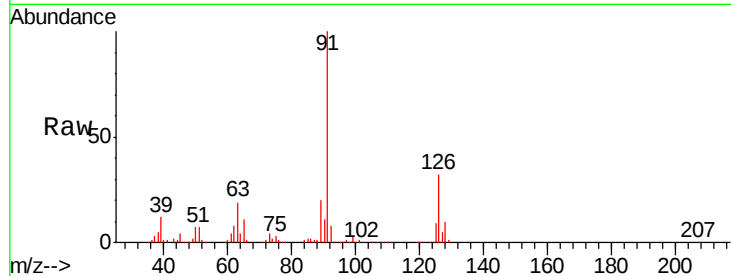
126 32.1 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

600000

500000

400000

300000

200000

100000

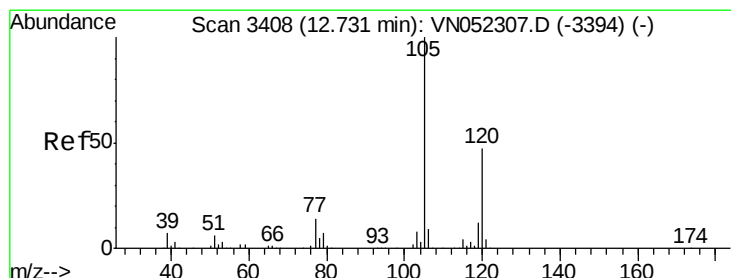
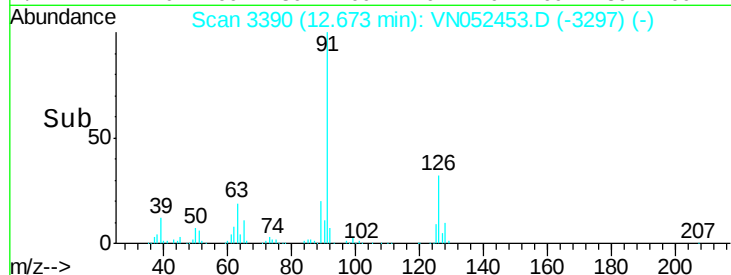
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.31 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052453.D

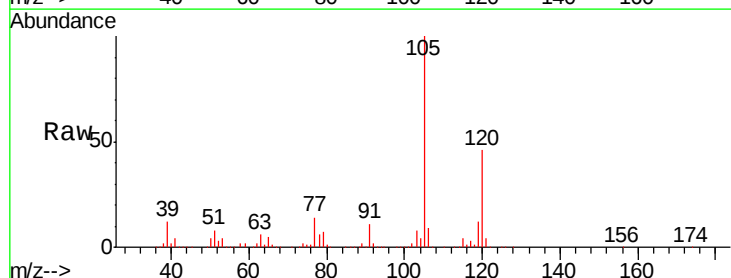
Acq: 21 Nov 2018 21:50

Tgt Ion: 105 Resp: 615809

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

400000

300000

200000

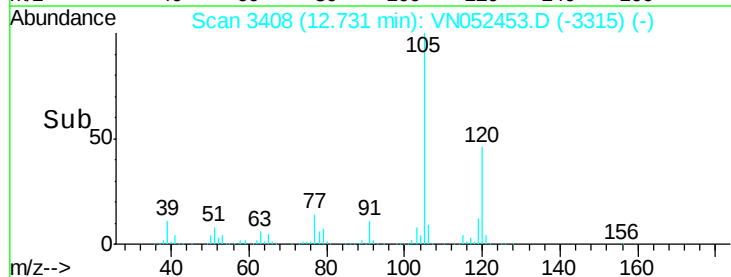
100000

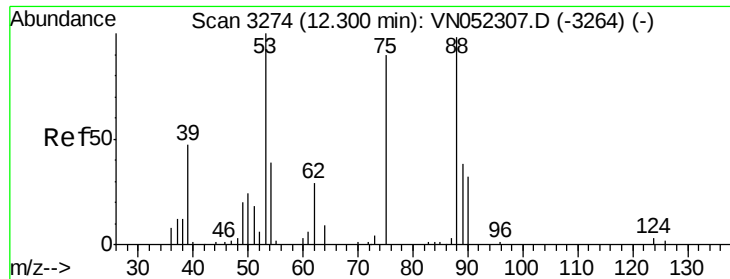
0

12.70

12.80

Time-->





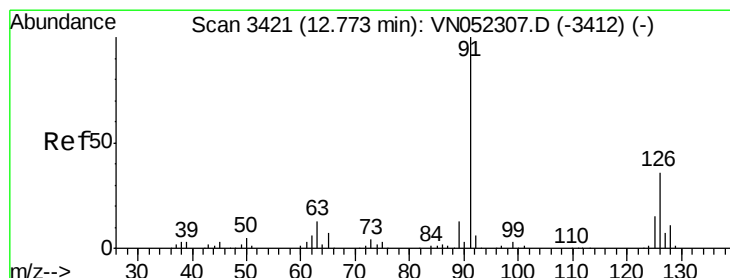
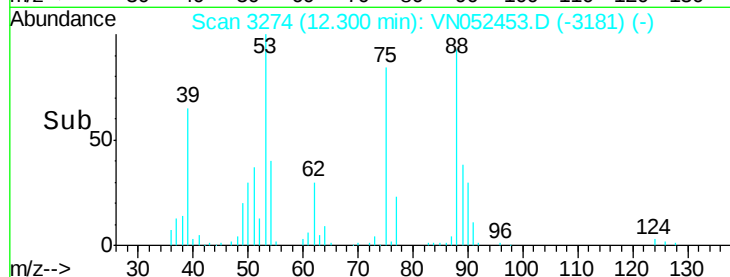
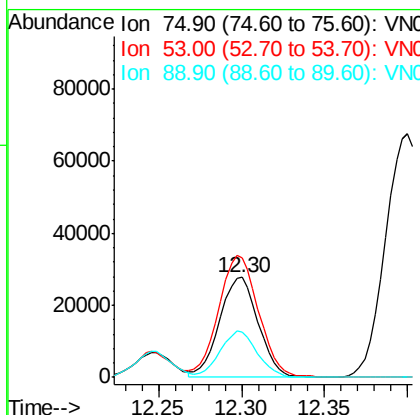
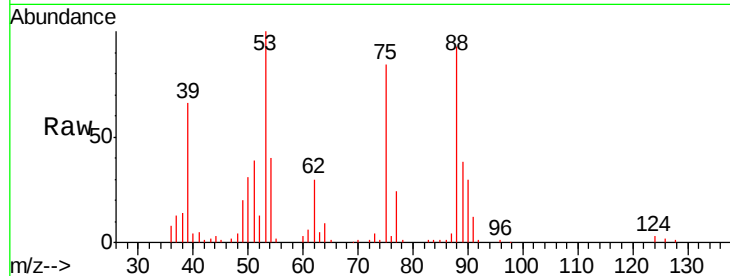
#81
trans-1,4-Dichloro-2-butene
Concen: 47.23 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 45491
Ion Ratio Lower Upper
75 100
53 125.7 90.2 135.2
89 44.0 35.4 53.0

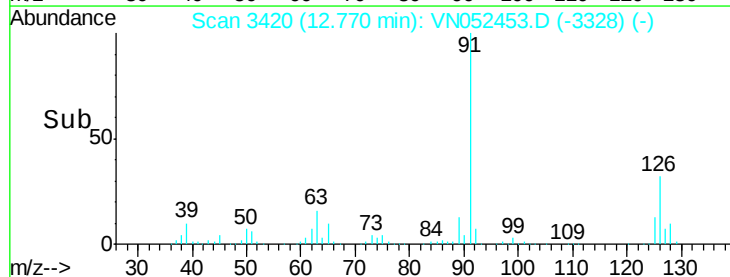
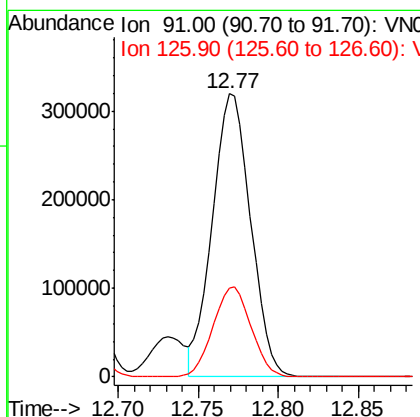
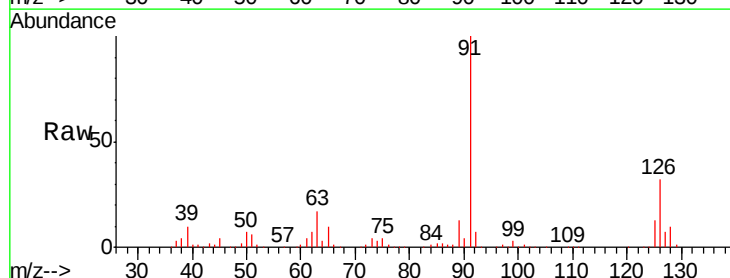
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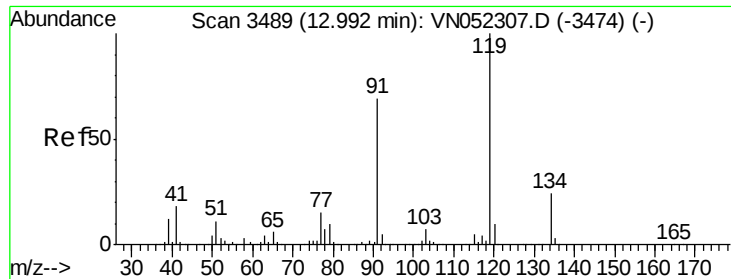
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#82
4-Chlorotoluene
Concen: 50.76 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion: 91 Resp: 526030
Ion Ratio Lower Upper
91 100
126 31.7 17.0 50.9





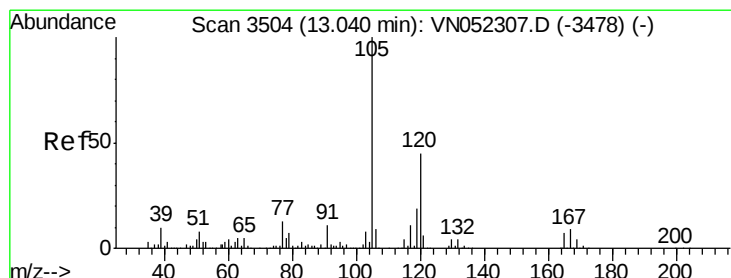
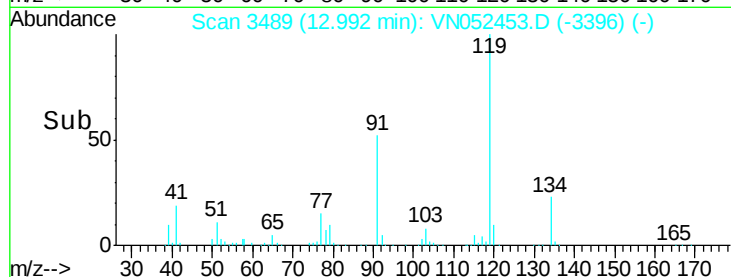
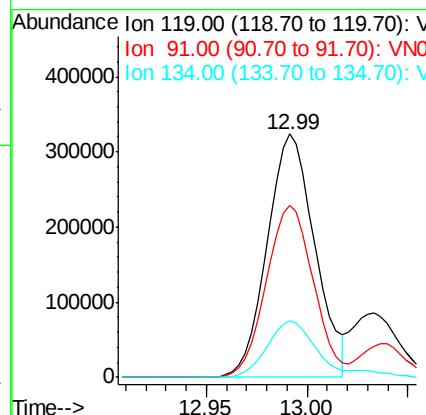
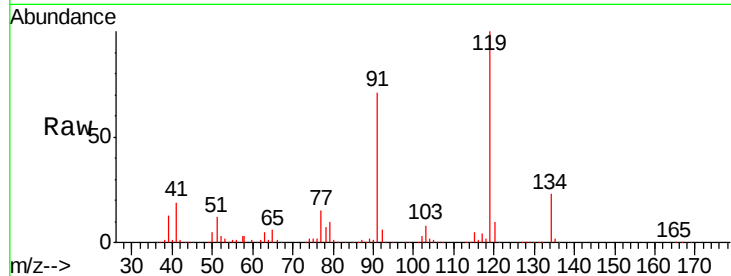
#83
 tert-Butylbenzene
 Concen: 51.15 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.1	33.8	101.3
134	25.1	11.9	35.9

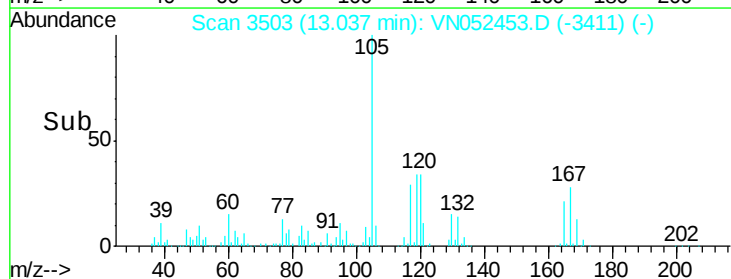
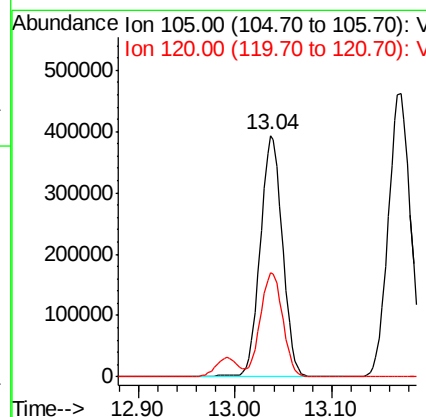
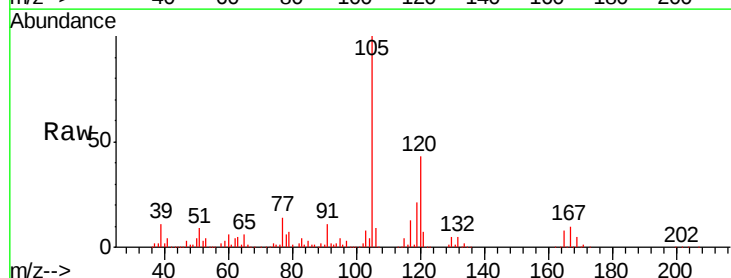
Manual Integrations
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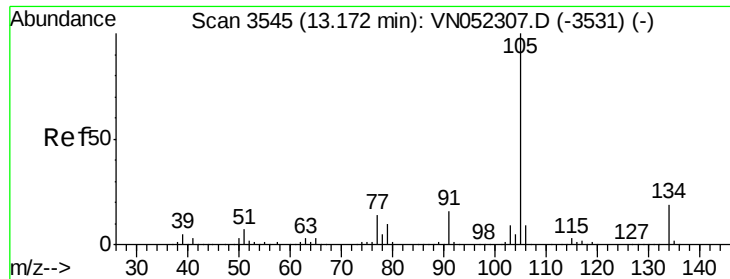
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.13 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.5	67.5





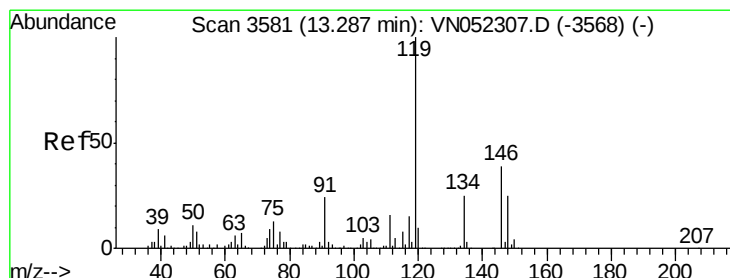
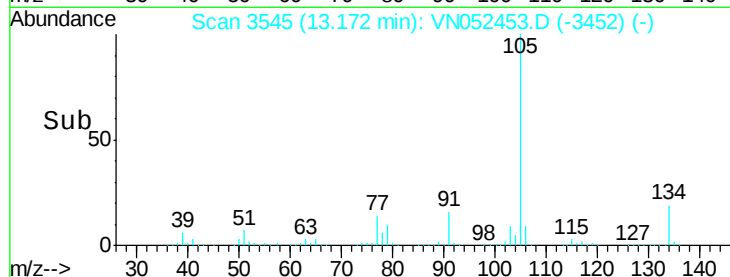
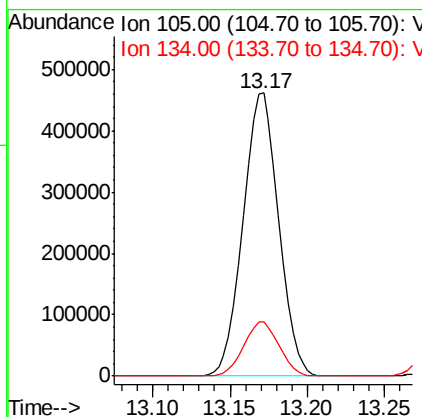
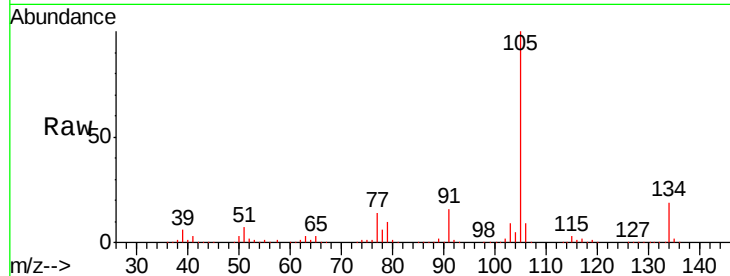
#85
 sec-Butylbenzene
 Concen: 52.29 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 740256
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5

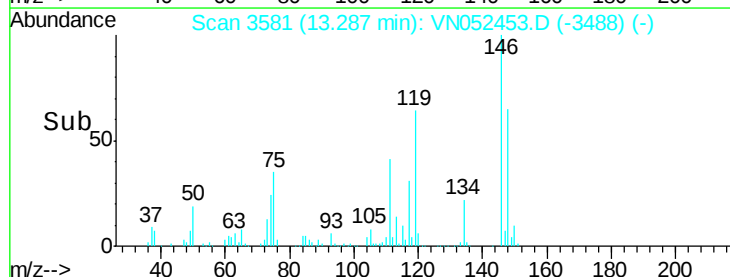
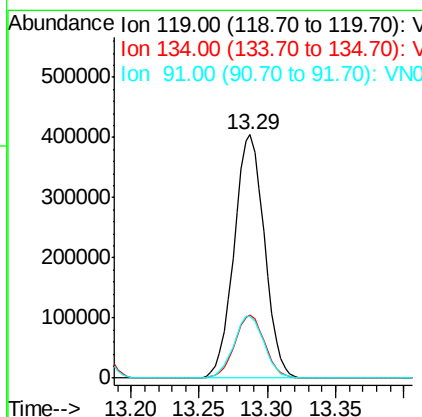
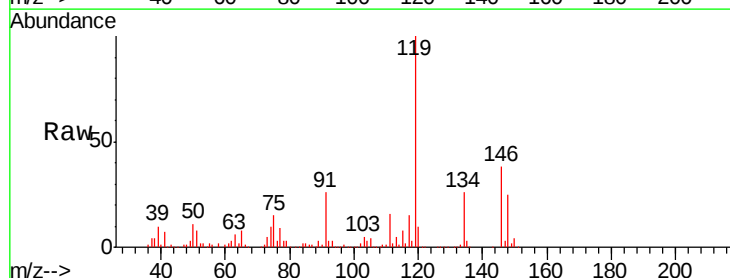
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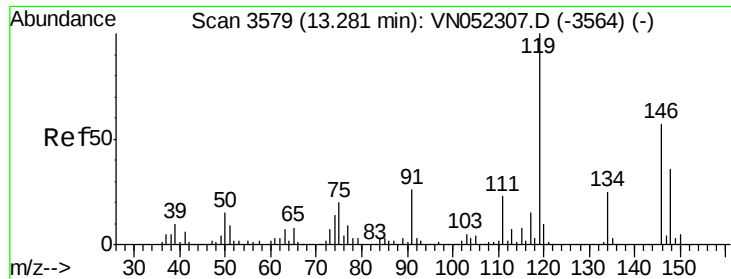
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#86
 p-Isopropyltoluene
 Concen: 52.01 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion:119 Resp: 623799
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 25.8 12.4 37.0





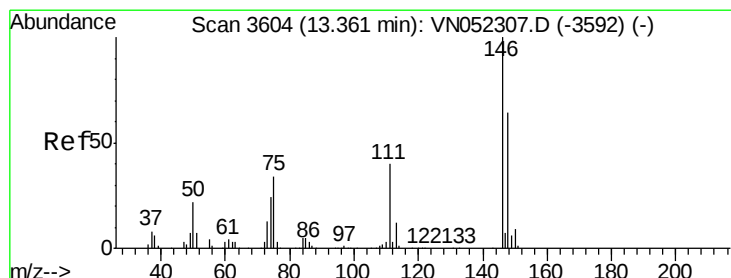
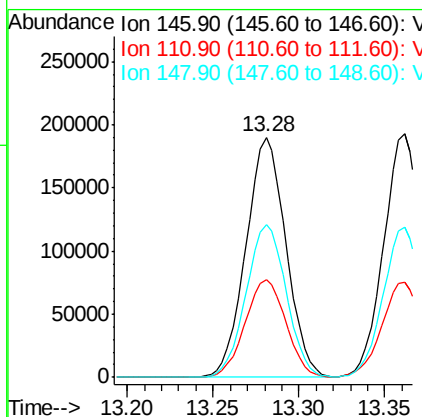
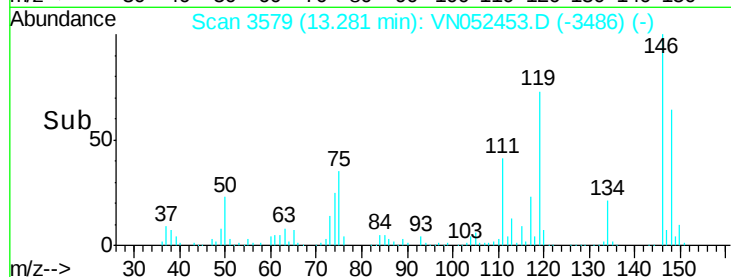
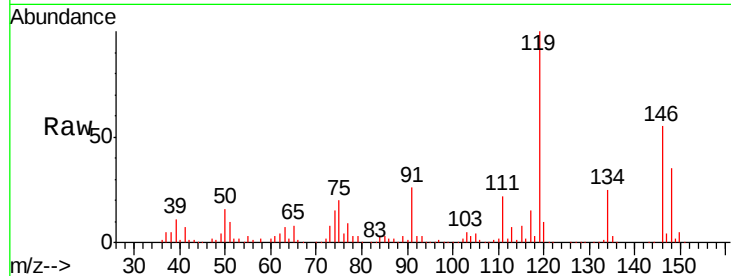
#87
 1,3-Dichlorobenzene
 Concen: 50.13 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	306655		
111	41.7	20.3	61.0	
148	63.8	31.8	95.4	

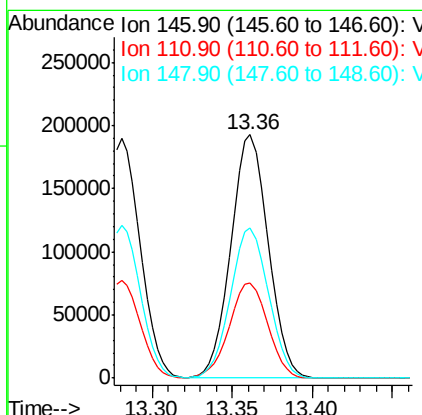
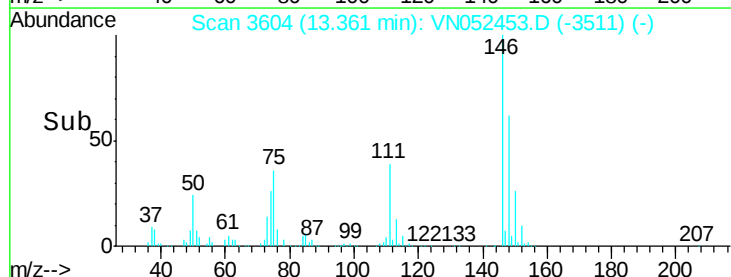
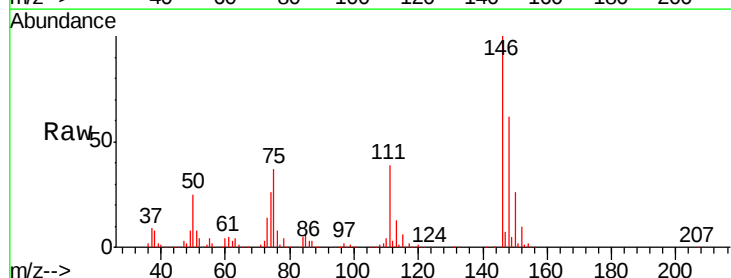
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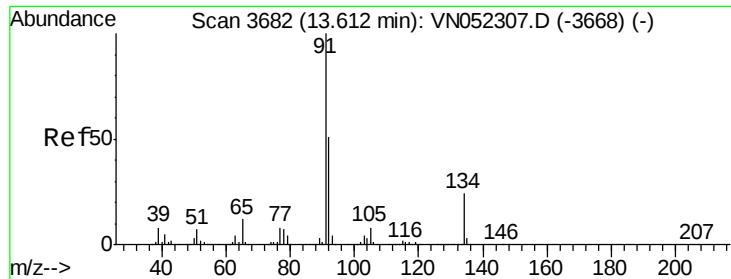
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#88
 1,4-Dichlorobenzene
 Concen: 50.22 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305458		
111	40.5	20.6	61.8	
148	63.2	32.4	97.2	





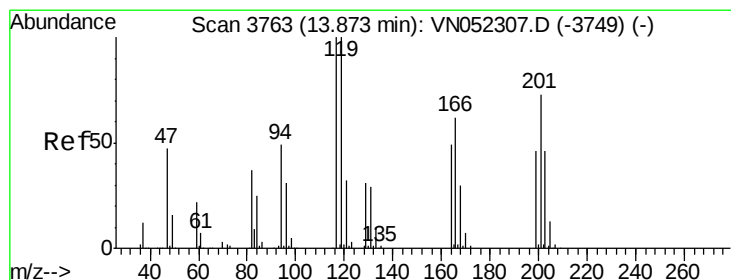
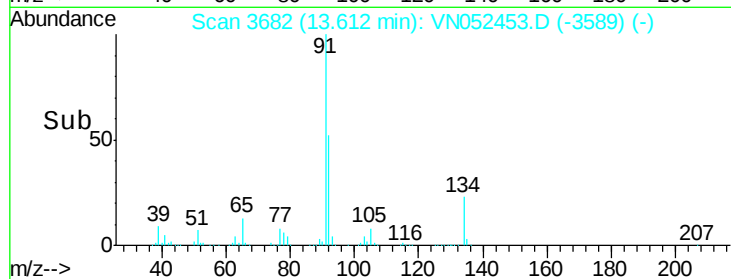
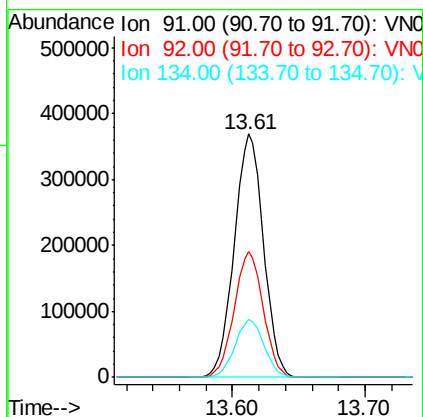
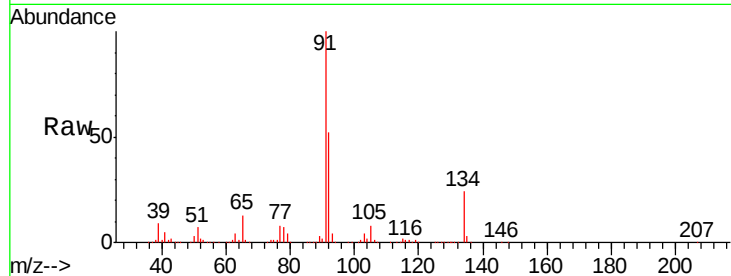
#89
n-Butylbenzene
Concen: 54.74 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.4	76.2
134	23.7	12.2	36.4

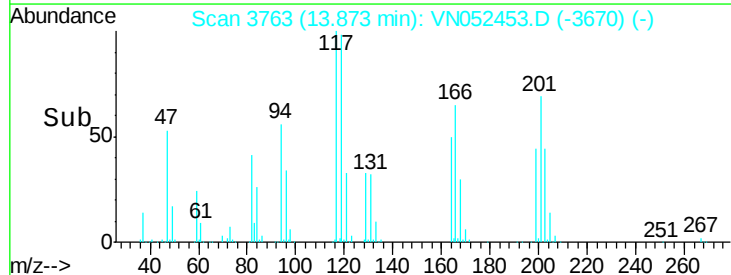
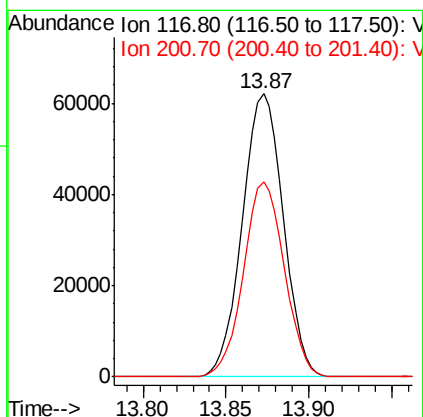
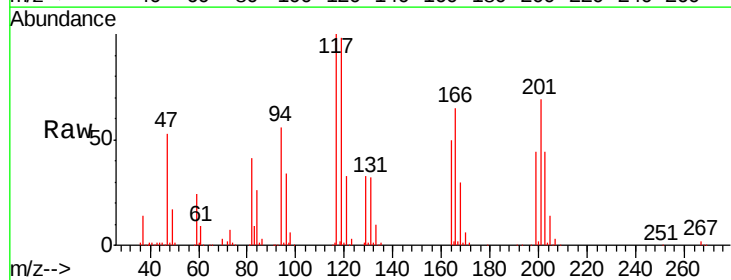
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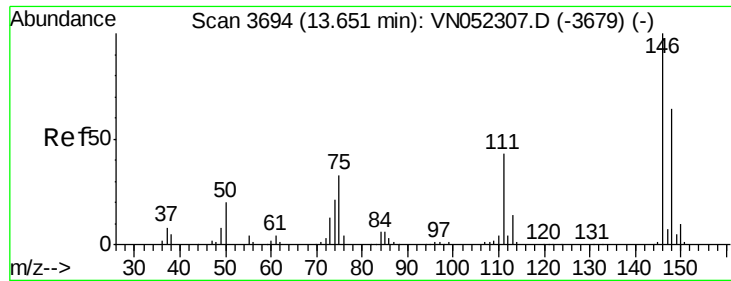
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#90
Hexachloroethane
Concen: 50.33 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.3	105.9





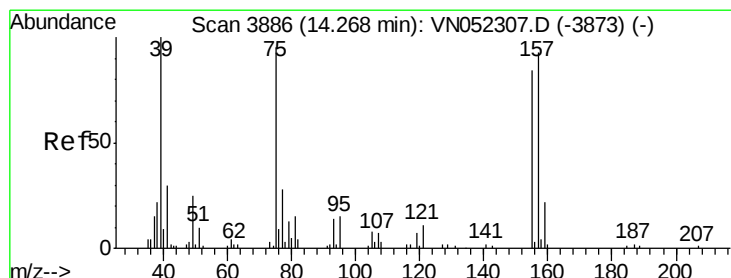
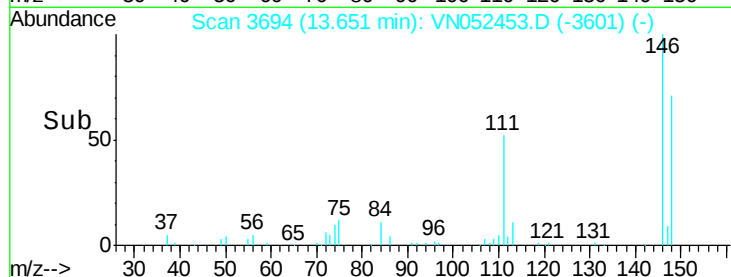
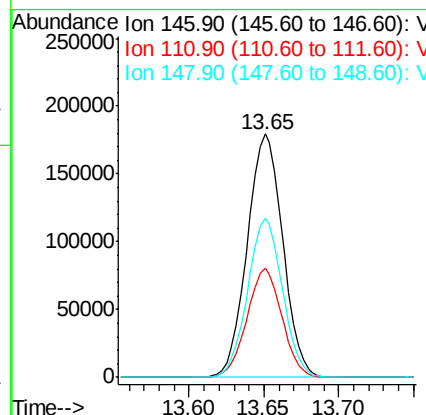
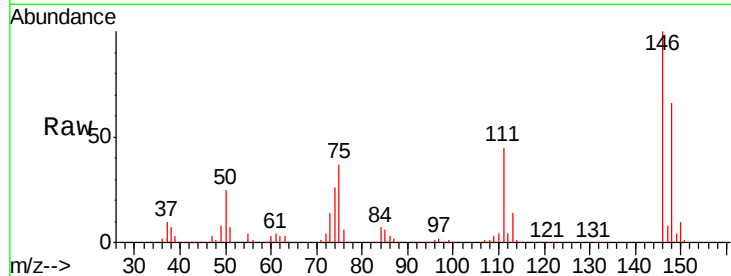
#91
 1,2-Dichlorobenzene
 Concen: 50.05 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	64.1	31.6	94.8

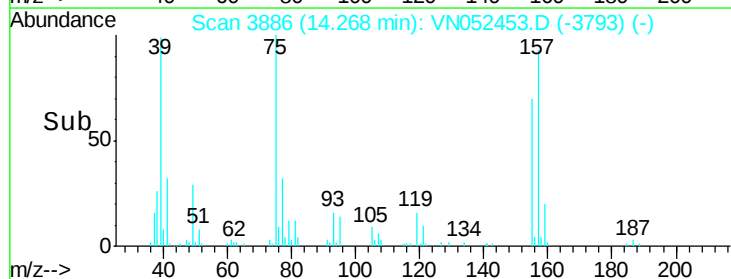
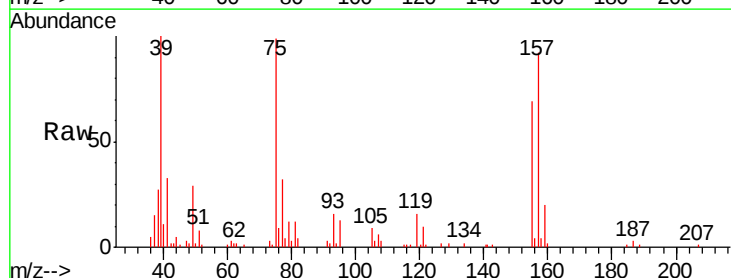
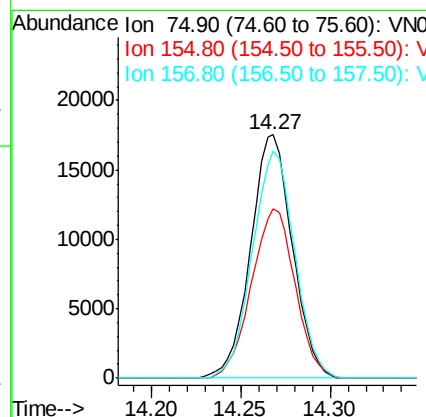
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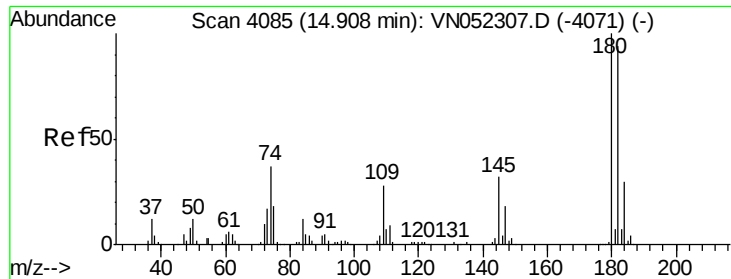
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.35 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	42.4	127.3
157	94.5	49.6	149.0





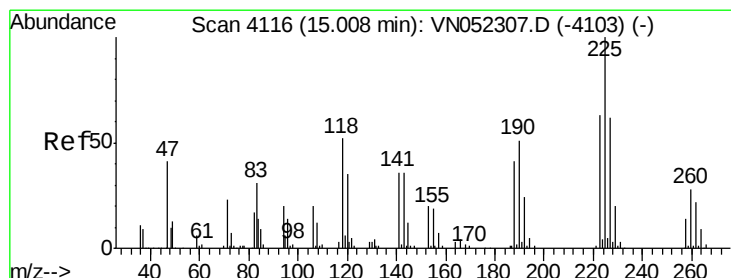
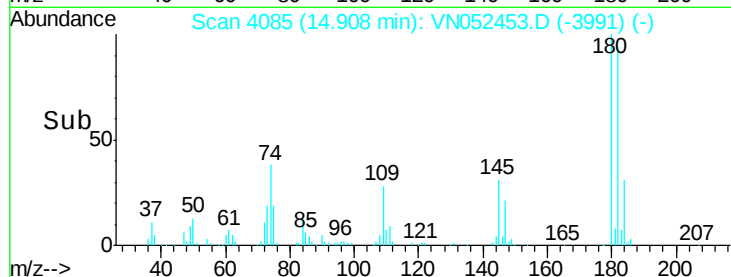
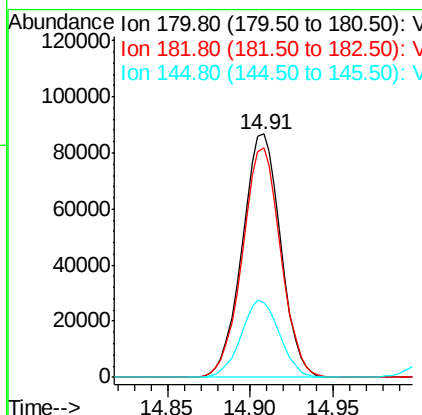
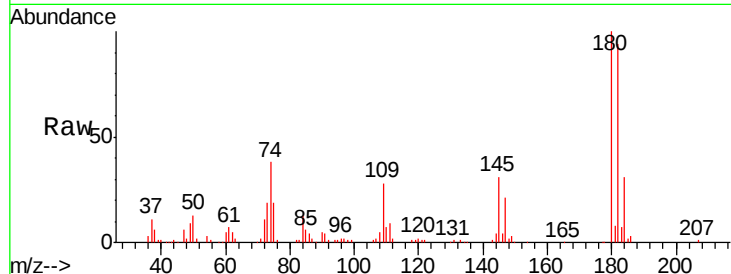
#93
 1,2,4-Trichlorobenzene
 Concen: 50.68 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	139847		
182	94.1	47.6	142.9	
145	31.7	15.5	46.5	

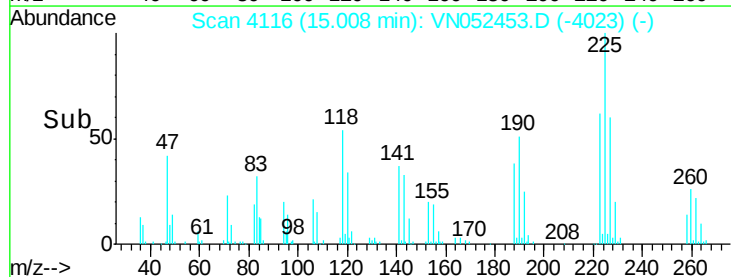
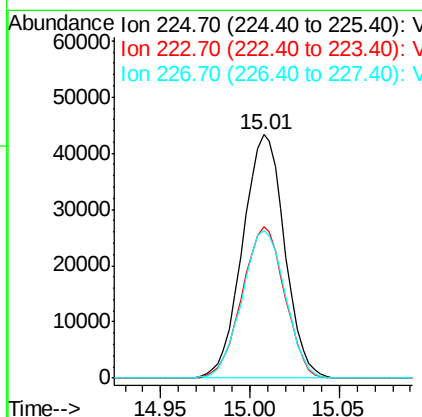
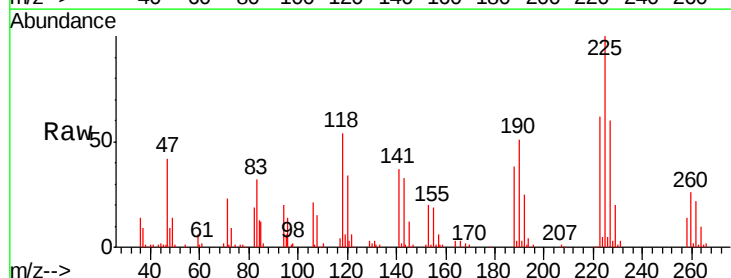
Manual Integrations
 APPROVED

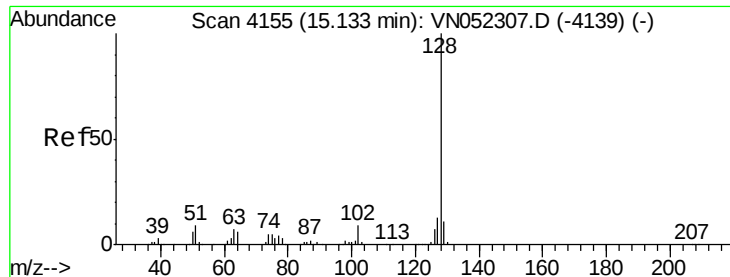
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 52.39 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052453.D
 Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71066		
223	63.0	31.9	95.5	
227	62.5	31.6	95.0	





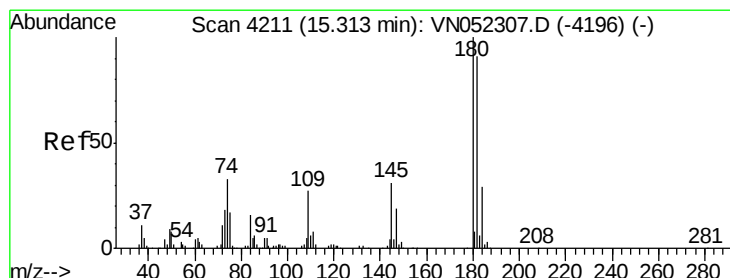
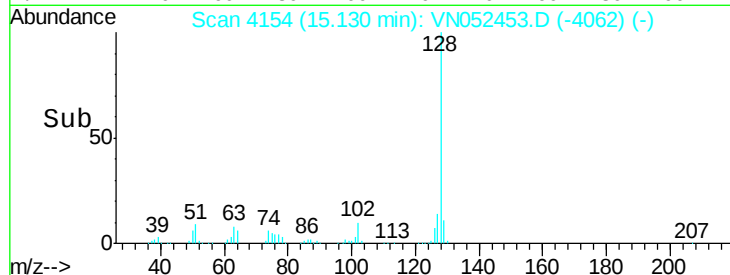
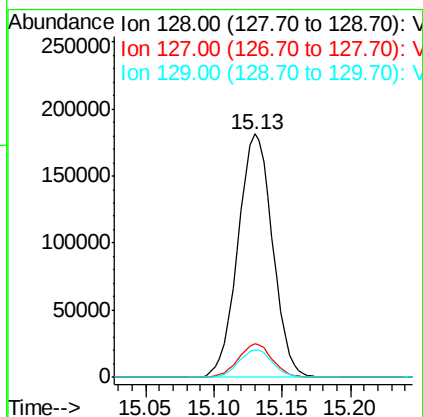
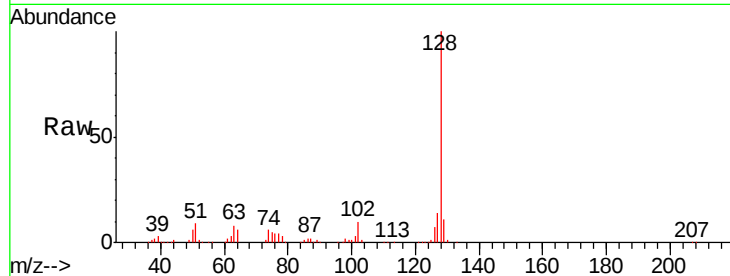
#95
Naphthalene
Concen: 48.93 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	318527		
127	13.5	10.4	15.6	
129	11.1	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.05 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052453.D
Acq: 21 Nov 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128471		
182	94.8	46.5	139.3	
145	33.2	16.4	49.2	

