

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065043.D
 Acq On : 10 Dec 2020 12:23
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 10 16:03:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:00:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	157861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	287949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97412	51.83	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.66%
35) Dibromofluoromethane	7.55	113	91788	48.18	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.36%
50) Toluene-d8	10.06	98	353298	48.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.68%
62) 4-Bromofluorobenzene	12.38	95	134078	53.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.06%

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	416	Below Cal	# 42
4) Vinyl Chloride	2.17	62	425	0.356 ug/l	# 42
5) Bromomethane	2.54	94	700	Below Cal	# 83
9) 1,1,2-Trichlorotrifluoroet	3.72	101	774	0.532 ug/l	# 53
10) Methyl Iodide	3.91	142	459	0.261 ug/l	# 78
13) Acrolein	3.56	56	299	1.624 ug/l	# 39
15) Acrylonitrile	4.93	53	330	0.461 ug/l	# 70
16) Acetone	3.78	43	708	1.062 ug/l	# 41
17) Carbon Disulfide	4.01	76	5985	2.780 ug/l	# 97
18) Methyl Acetate	4.28	43	809	0.482 ug/l	# 50
20) Methylene Chloride	4.49	84	368	0.217 ug/l	# 69
21) trans-1,2-Dichloroethene	5.00	96	1006	0.677 ug/l	# 50
23) Vinyl Acetate	5.85	43	1566	0.421 ug/l	# 72
29) Tetrahydrofuran	7.18	42	624	1.081 ug/l	# 33
31) Cyclohexane	7.63	56	3399	2.922 ug/l	# 18
36) 1,1-Dichloropropene	7.75	75	691	0.281 ug/l	# 66
38) Carbon Tetrachloride	7.62	117	14779	5.664 ug/l	# 17
39) Methylcyclohexane	9.04	83	1147	0.475 ug/l	# 98
43) Isopropyl Acetate	8.20	43	3475	0.936 ug/l	# 59
44) Trichloroethene	8.80	130	845	0.398 ug/l	# 90
46) Dibromomethane	9.17	93	378	0.284 ug/l	# 71
51) 4-Methyl-2-Pentanone	9.96	43	1457	0.657 ug/l	# 59
52) Toluene	10.13	92	1187	0.249 ug/l	# 95
53) t-1,3-Dichloropropene	10.35	75	890	0.306 ug/l	# 69
59) 2-Hexanone	10.72	43	1592	0.996 ug/l	# 72
61) 1,2-Dibromoethane	10.98	107	410	0.208 ug/l	# 57
64) Tetrachloroethene	10.60	164	1066	0.427 ug/l	# 93
65) Chlorobenzene	11.41	112	2111	0.351 ug/l	# 95
67) Ethyl Benzene	11.48	91	2999	0.299 ug/l	# 98
68) m/p-Xylenes	11.59	106	2038	0.524 ug/l	# 87
70) Styrene	11.94	104	1597	0.254 ug/l	# 92
73) Isopropylbenzene	12.22	105	2473	0.294 ug/l	# 90
74) N-amyl acetate	12.05	43	1097	0.362 ug/l	# 41
75) 1,1,2,2-Tetrachloroethane	12.47	83	707	0.277 ug/l	# 66

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

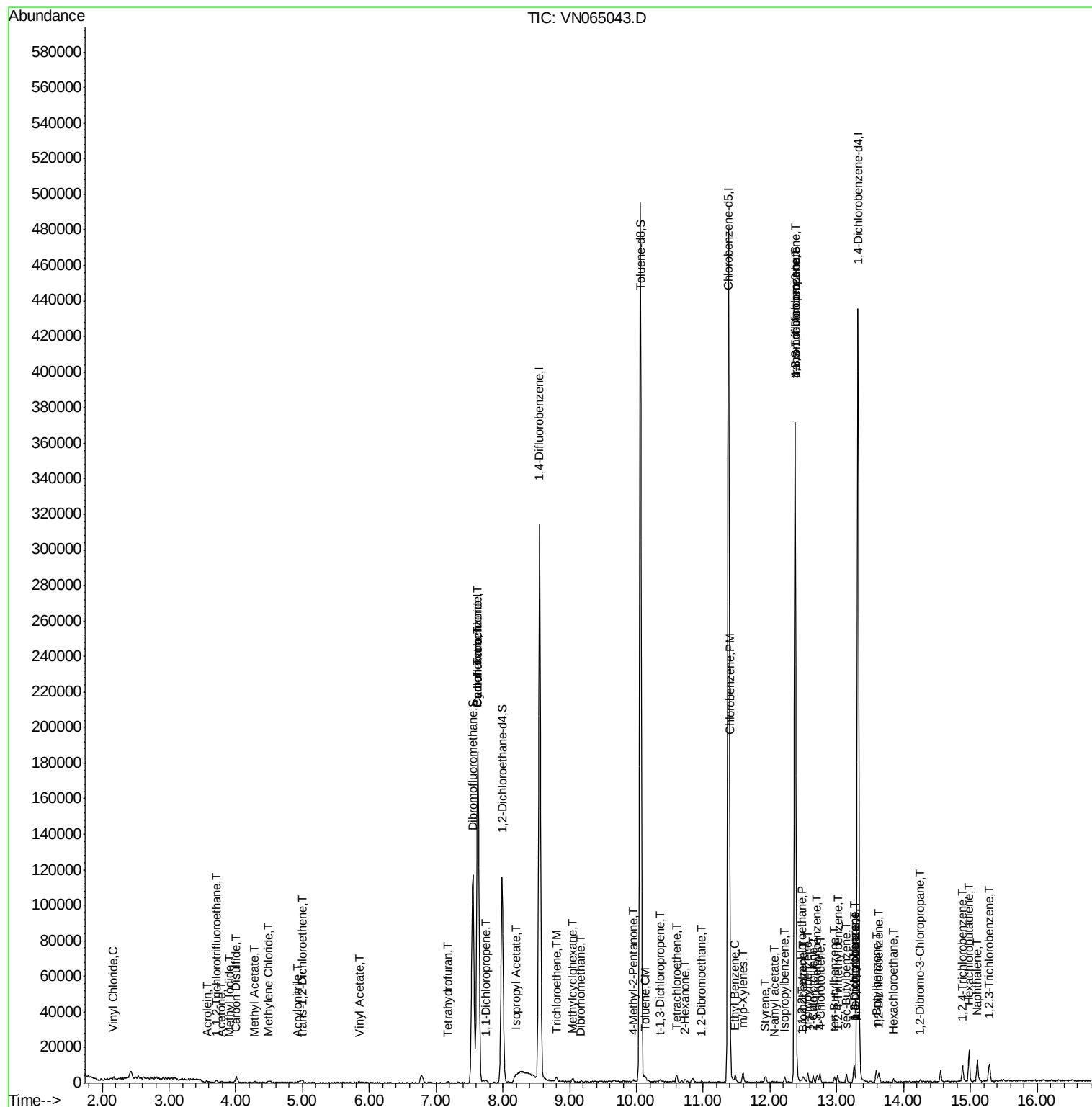
76) 1,2,3-Trichloropropane	12.38	75	64440	24.285	ug/l #	100
77) Bromobenzene	12.50	156	1118	0.500	ug/l	86
78) n-propylbenzene	12.56	91	4726	0.498	ug/l	95
79) 2-Chlorotoluene	12.65	91	2612	0.450	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	2743	0.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64440	74.454	ug/l #	15
82) 4-Chlorotoluene	12.75	91	3511	0.574	ug/l	86
83) tert-Butylbenzene	12.96	119	2364	0.405	ug/l	89
84) 1,2,4-Trimethylbenzene	13.01	105	2549	0.357	ug/l	99
85) sec-Butylbenzene	13.15	105	4077	0.536	ug/l	90
86) p-Isopropyltoluene	13.26	119	3105	0.443	ug/l	86
87) 1,3-Dichlorobenzene	13.26	146	2782	0.700	ug/l	97
88) 1,4-Dichlorobenzene	13.26	146	2782	0.690	ug/l	96
89) n-Butylbenzene	13.59	91	4334	0.752	ug/l	97
90) Hexachloroethane	13.85	117	517	0.407	ug/l	83
91) 1,2-Dichlorobenzene	13.63	146	2592	0.655	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	364	0.727	ug/l	67
93) 1,2,4-Trichlorobenzene	14.88	180	3370	6.680	ug/l	91
94) Hexachlorobutadiene	14.98	225	3923	3.592	ug/l	89
95) Naphthalene	15.11	128	11746	7.840	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	4506	7.134	ug/l	94

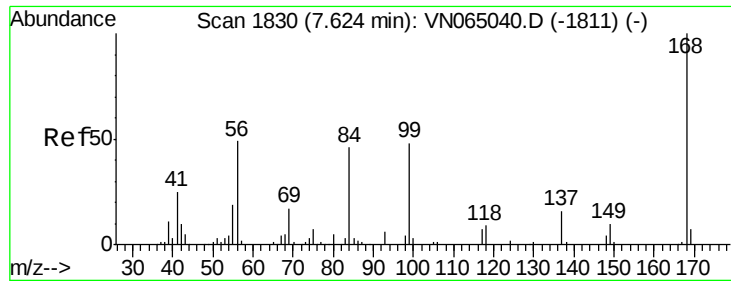
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

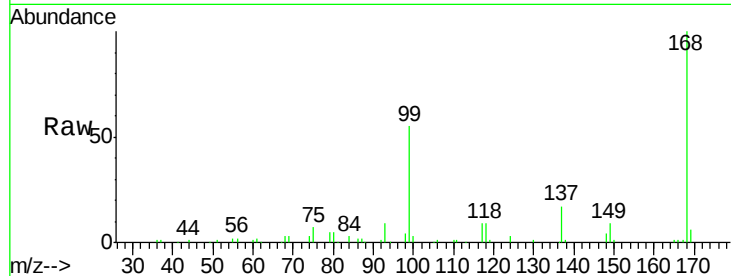
IBLK

Tot Ion:168 Resp: 157861

Ion Ratio Lower Upper

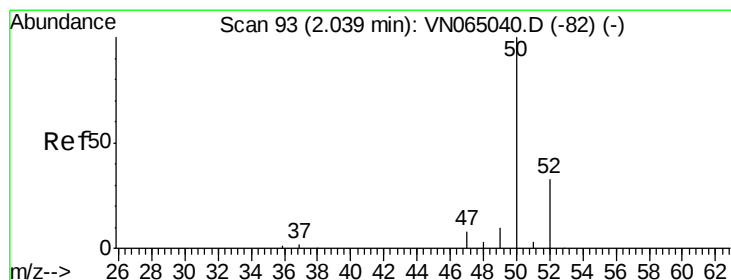
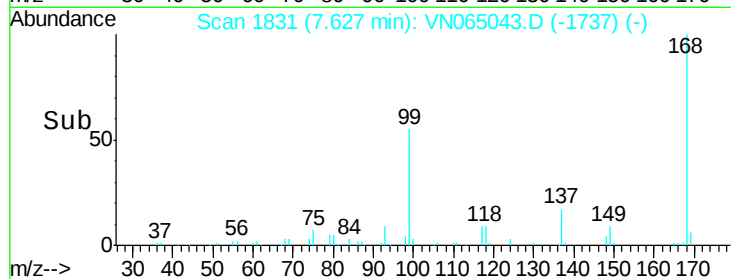
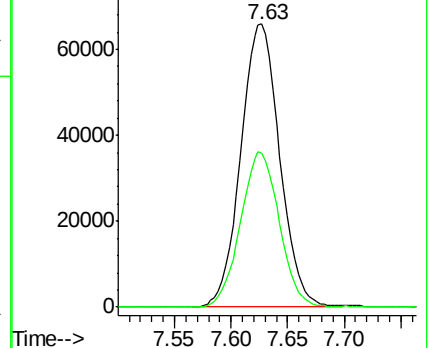
168 100

99 54.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065043.D

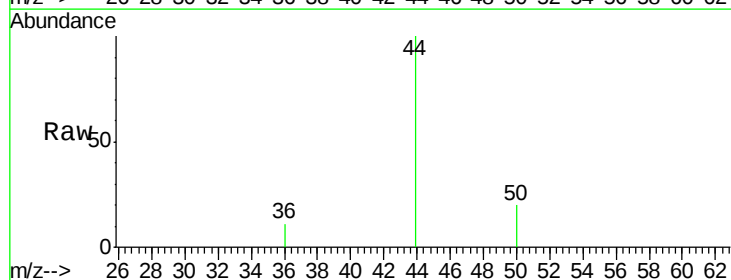
Acq: 10 Dec 2020 12:23

Tgt Ion: 50 Resp: 416

Ion Ratio Lower Upper

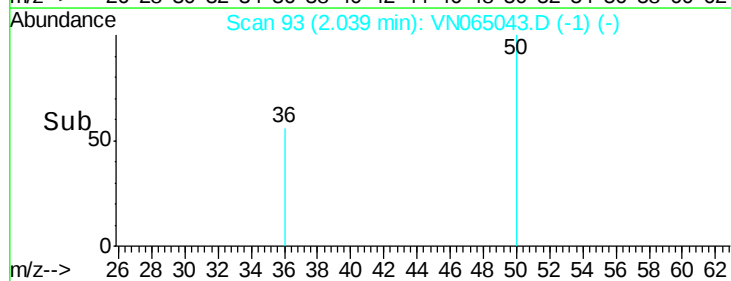
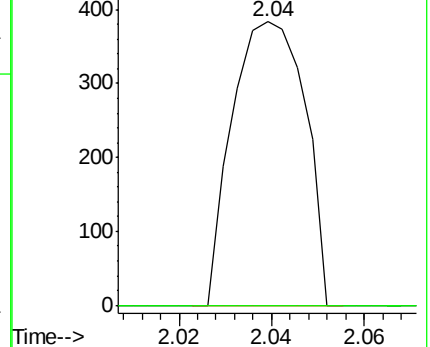
50 100

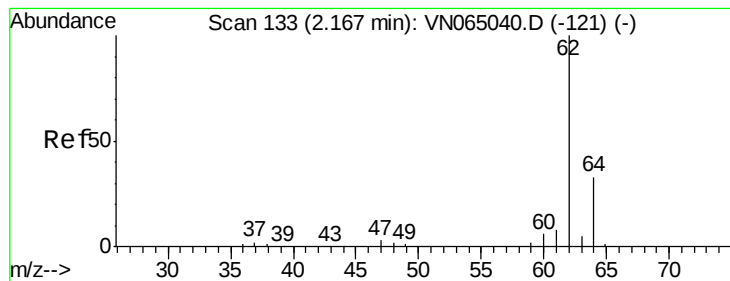
52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#4

Vinyl Chloride

Concen: 0.356 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

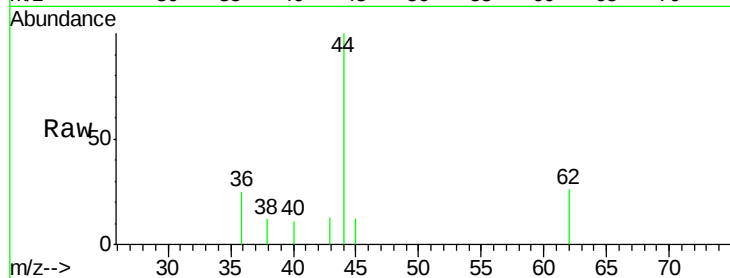
IBLK

Tot Ion: 62 Resp: 425

Ion Ratio Lower Upper

62 100

64 0.0 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

400

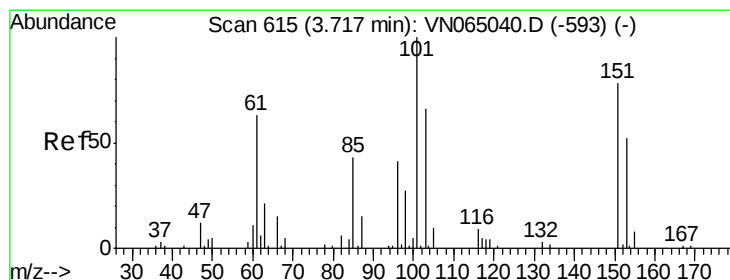
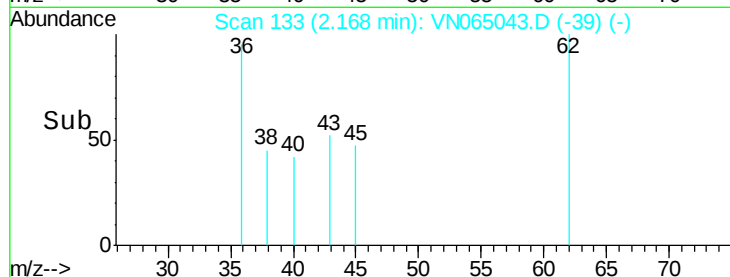
300

200

100

0

Time--> 2.14 2.16 2.18



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.532 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

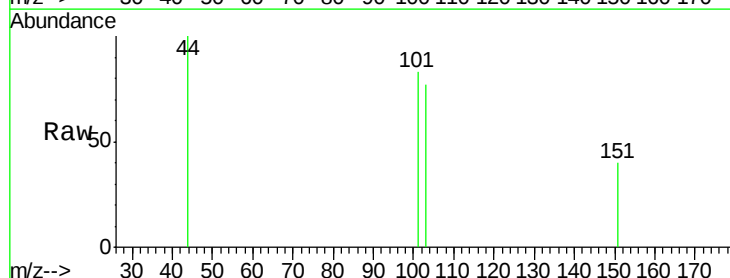
Tgt Ion: 101 Resp: 774

Ion Ratio Lower Upper

101 100

85 0.0 33.2 49.8#

151 47.5 63.7 95.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

3.72

400

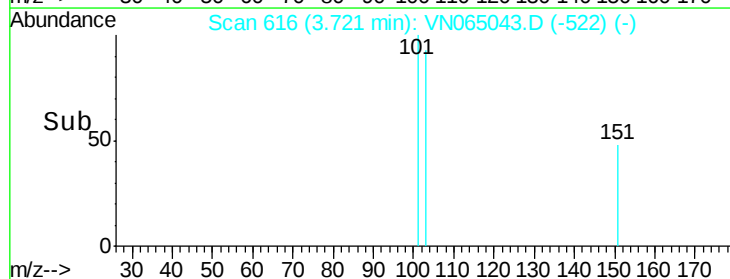
300

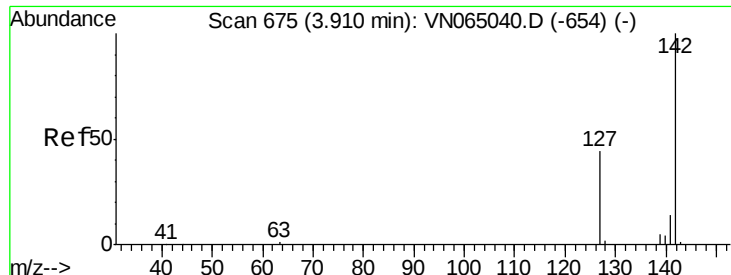
200

100

0

Time--> 3.70 3.75

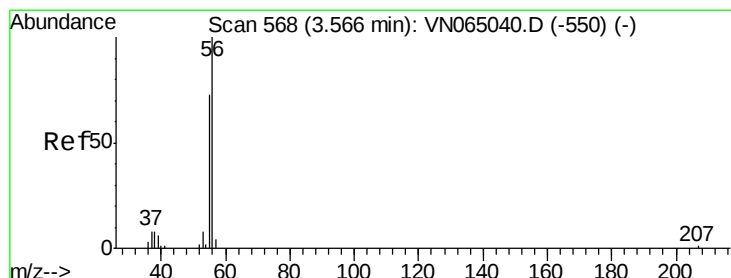
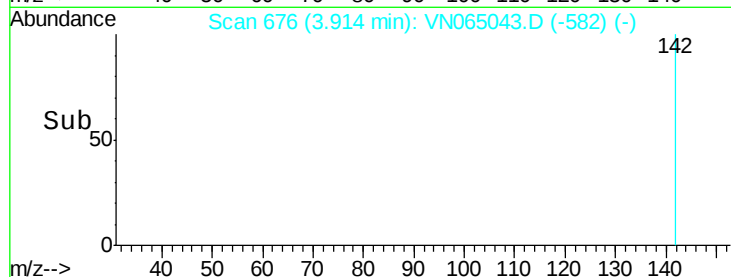
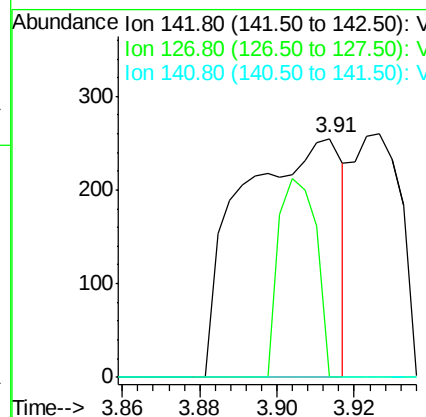
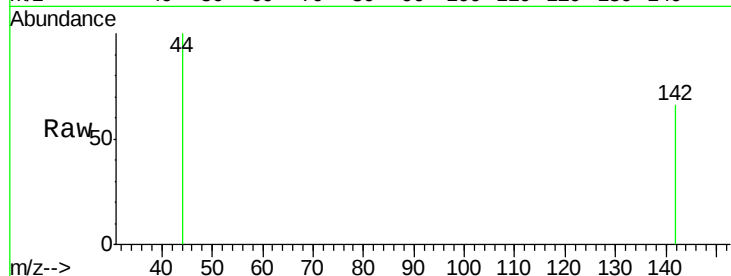




#10
Methvl Iodide
Concen: 0.261 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

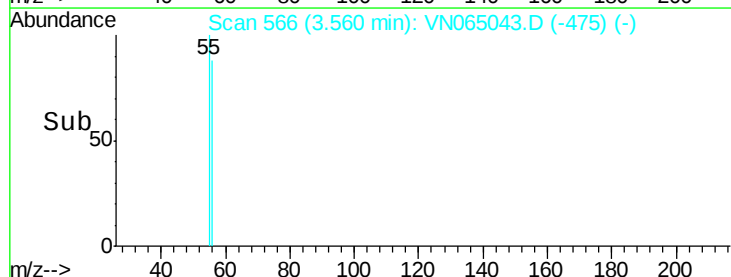
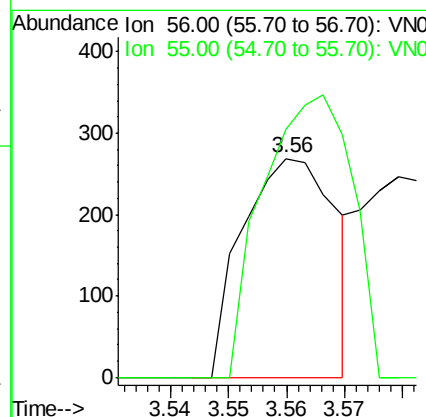
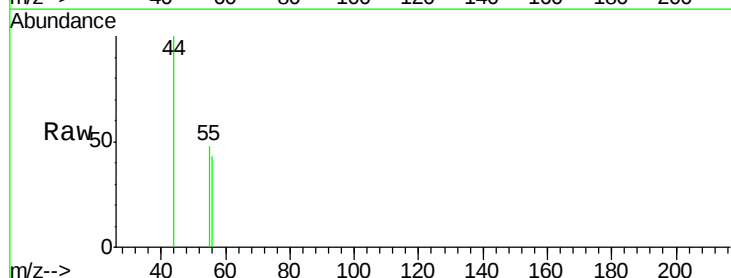
Instrument :
MSVOA_N
ClientSampled :
IBLK

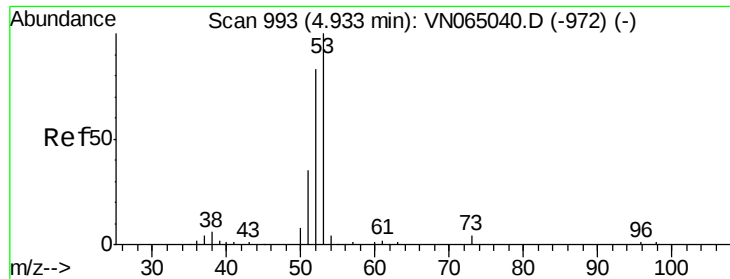
Tot Ion:142 Resp: 459
Ion Ratio Lower Upper
142 100
127 31.4 34.6 52.0#
141 0.0 10.9 16.3#



#13
Acrolein
Concen: 1.624 ug/l
RT: 3.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 124.4 58.4 87.6#





#15

Acrylonitrile

Concen: 0.461 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

IBLK

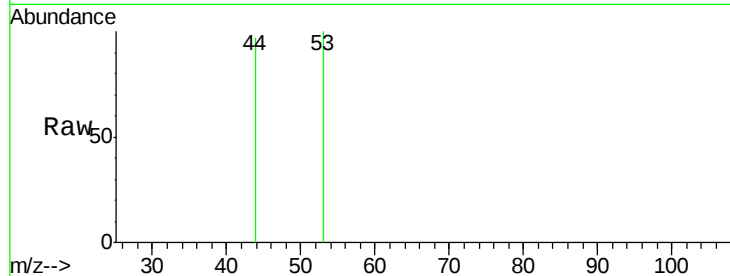
Tot Ion: 53 Resp: 330

Ion Ratio Lower Upper

53 100

52 65.8 65.4 98.0

51 0.0 27.8 41.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.93

300

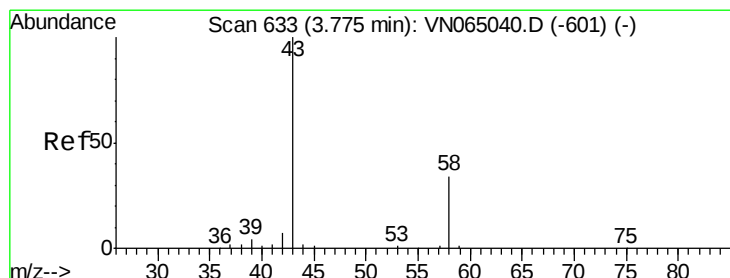
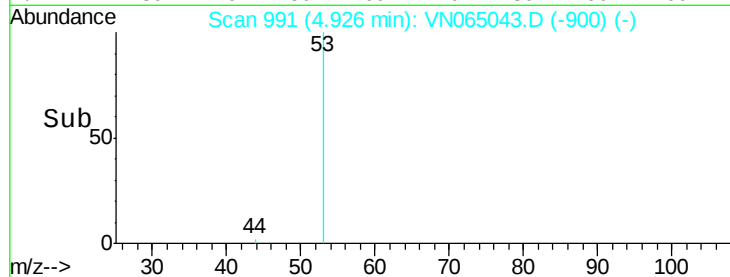
200

100

0

4.91 4.92 4.93 4.94

Time-->



#16

Acetone

Concen: 1.062 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN065043.D

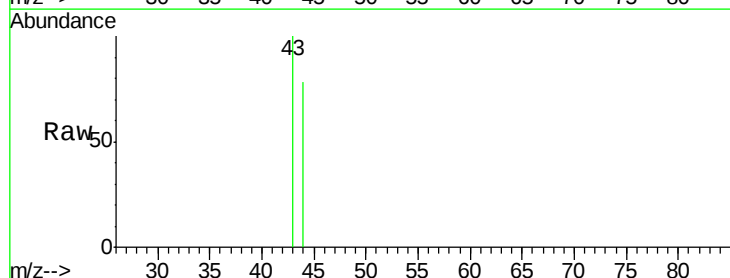
Acq: 10 Dec 2020 12:23

Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

300

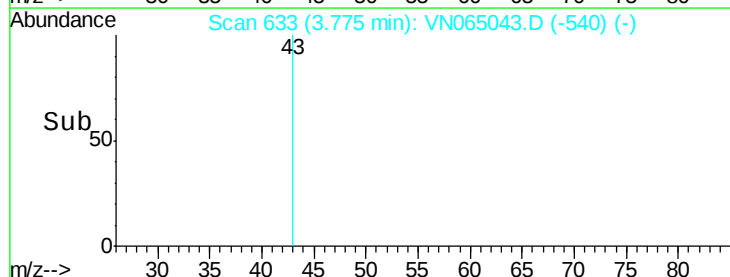
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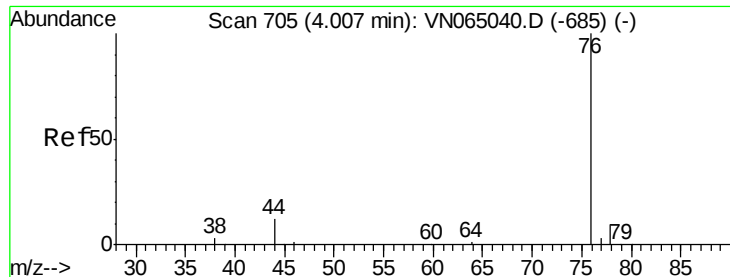
100

0

3.75 3.80

Time-->

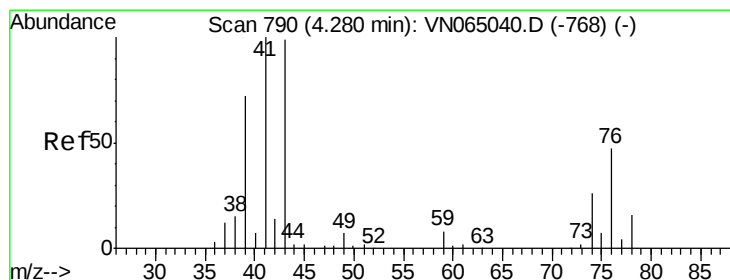
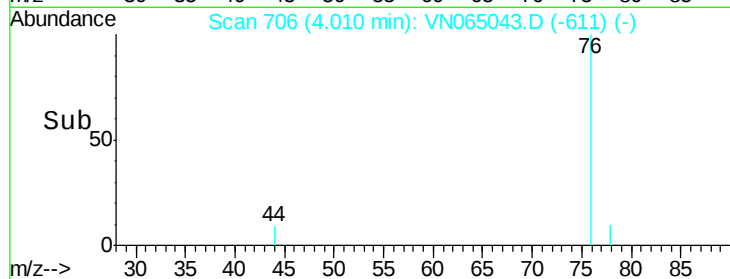
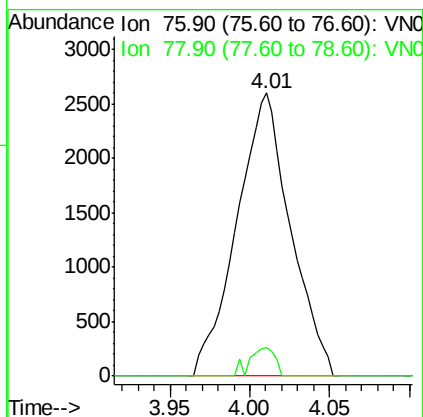
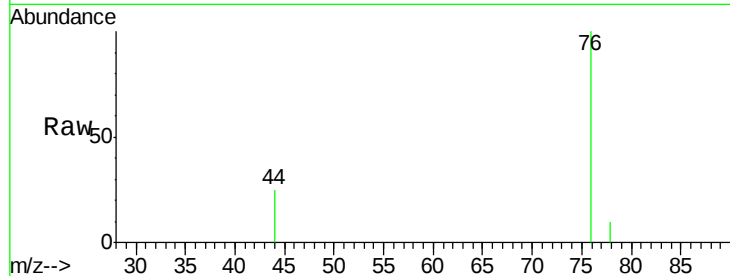




#17
Carbon Disulfide
Concen: 2.780 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

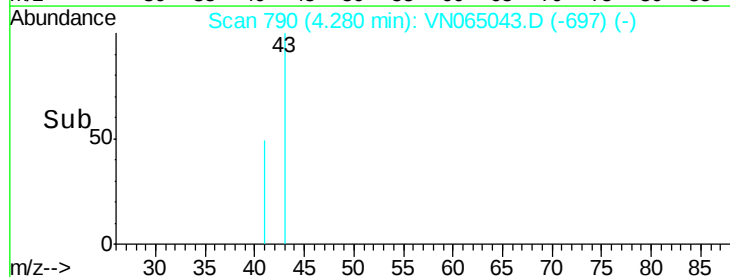
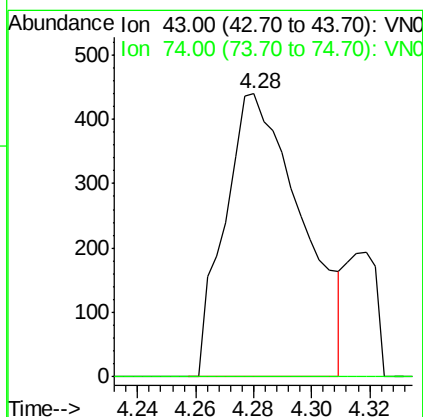
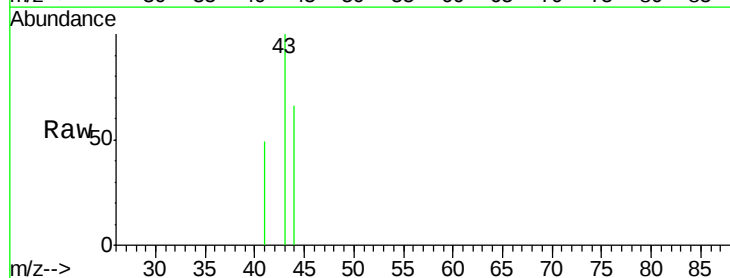
Instrument :
MSVOA_N
ClientSampled :
IBLK

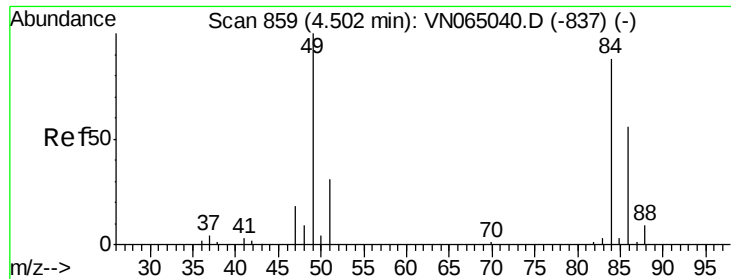
Tot Ion: 76 Resp: 5985
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7



#18
Methyl Acetate
Concen: 0.482 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

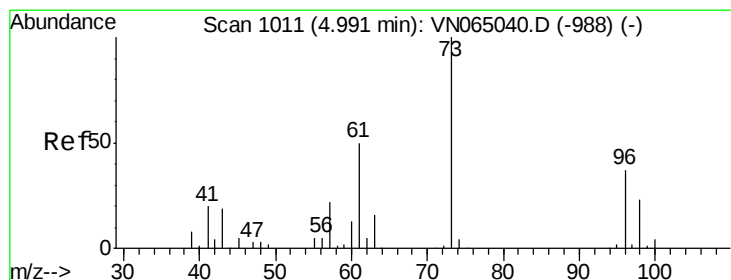
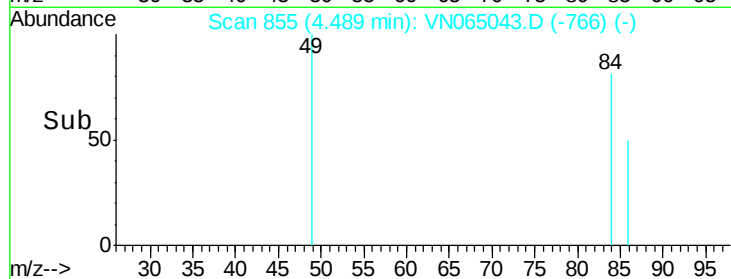
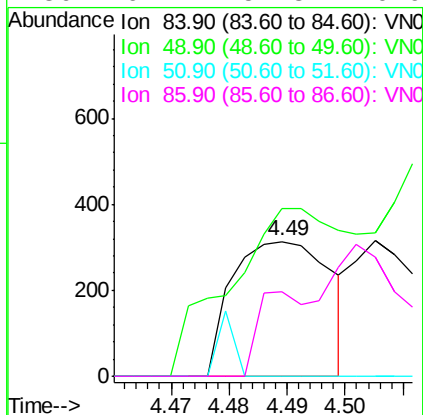
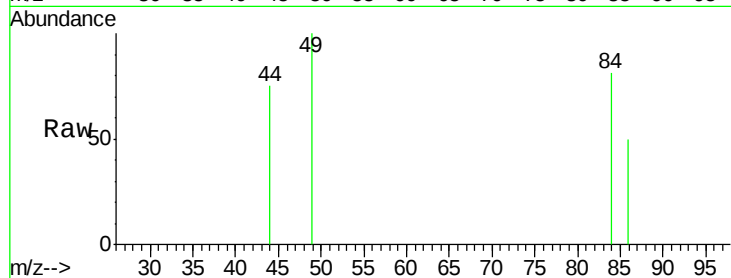




#20
Methvlene Chloride
Concen: 0.217 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

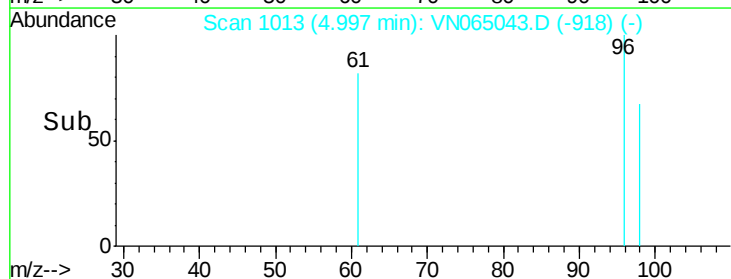
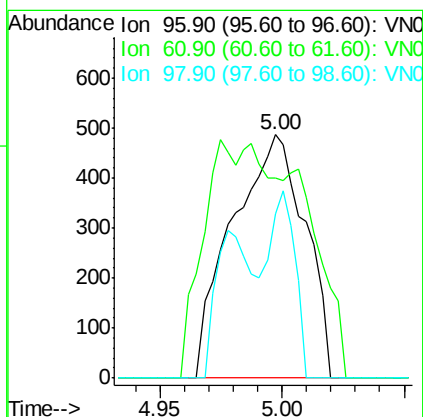
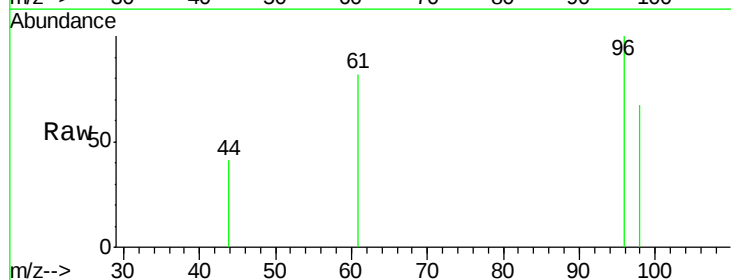
Instrument :
MSVOA_N
ClientSampled :
IBLK

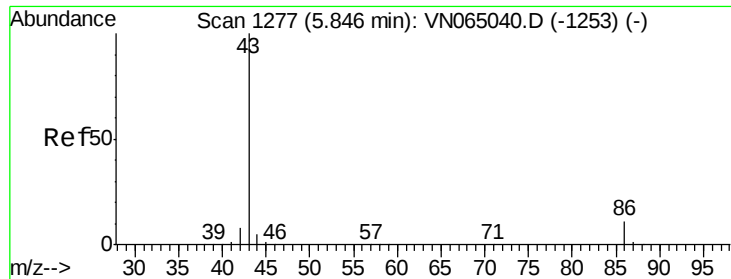
Tot Ion: 84 Resp: 368
Ion Ratio Lower Upper
84 100
49 72.0 90.8 136.2#
51 0.0 28.1 42.1#
86 62.4 51.3 76.9



#21
trans-1,2-Dichloroethene
Concen: 0.677 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 96 Resp: 1006
Ion Ratio Lower Upper
96 100
61 50.5 107.1 160.7#
98 67.4 49.8 74.8

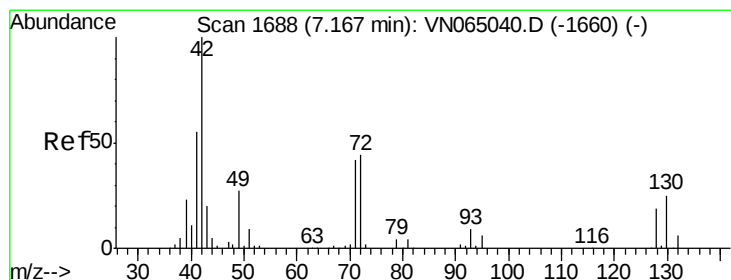
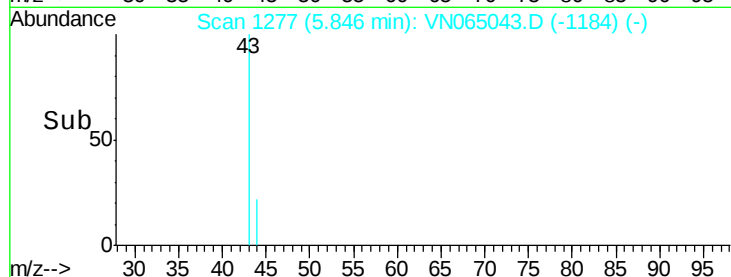
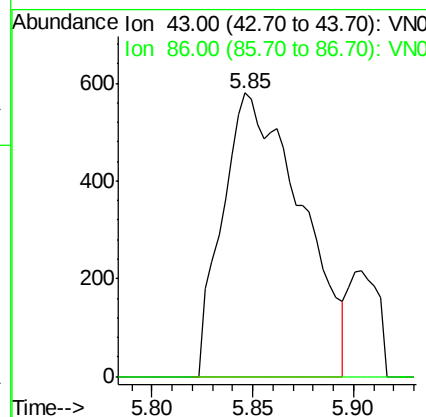
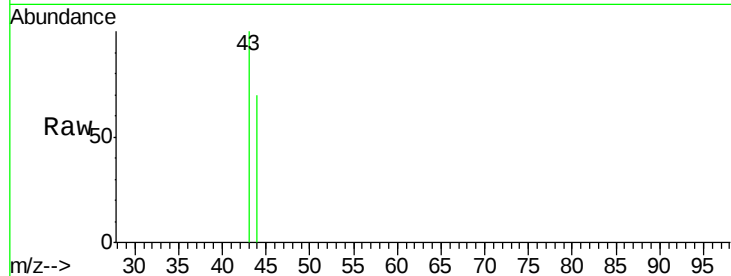




#23
 Vinyl Acetate
 Concen: 0.421 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

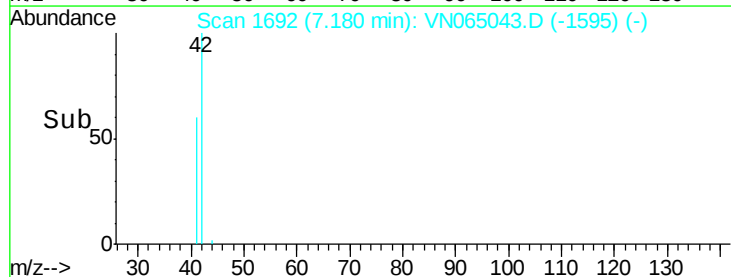
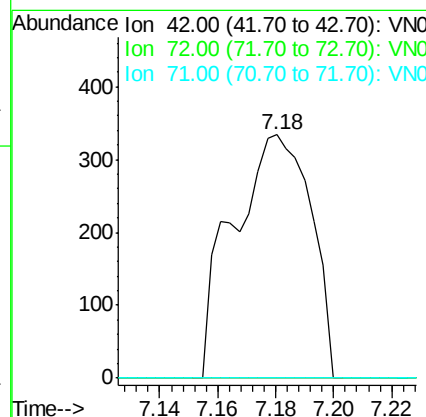
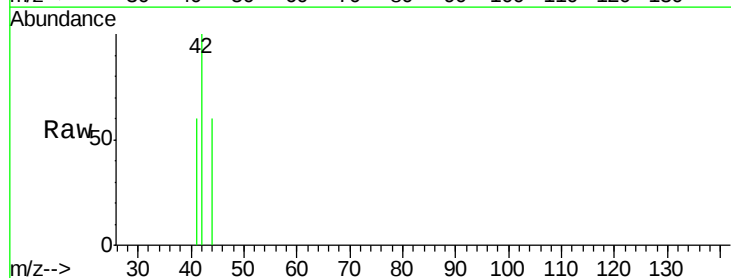
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

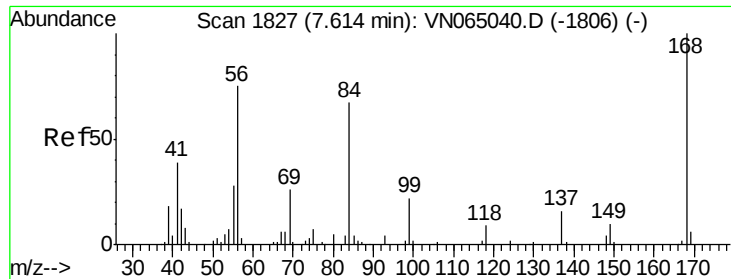
Tot Ion: 43 Resp: 1566
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#29
 Tetrahydrofuran
 Concen: 1.081 ug/l
 RT: 7.18 min Scan# 1692
 Delta R.T. 0.01 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion: 42 Resp: 624
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.8 53.6#
 71 0.0 33.5 50.3#

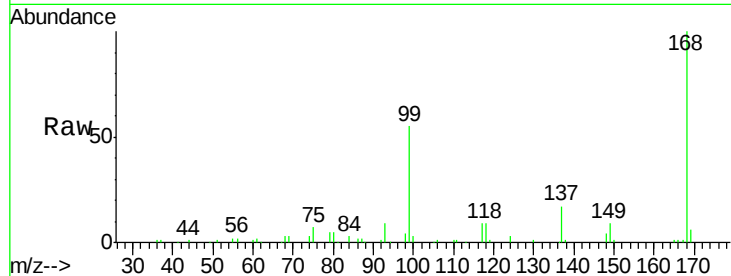




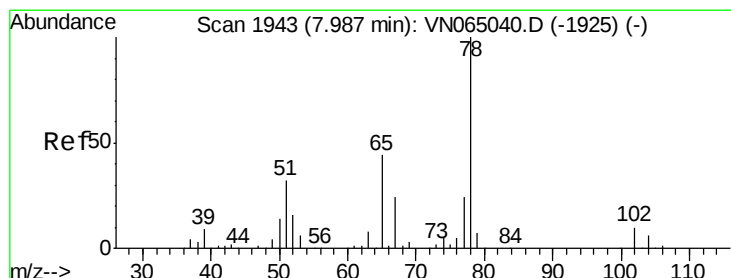
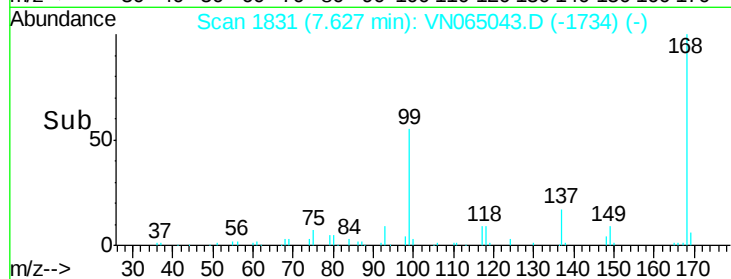
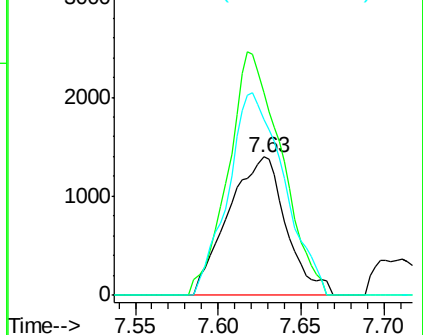
#31
Cyclohexane
Concen: 2.922 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 56 Resp: 3399
Ion Ratio Lower Upper
56 100
69 146.1 27.5 41.3#
84 127.2 72.4 108.6#

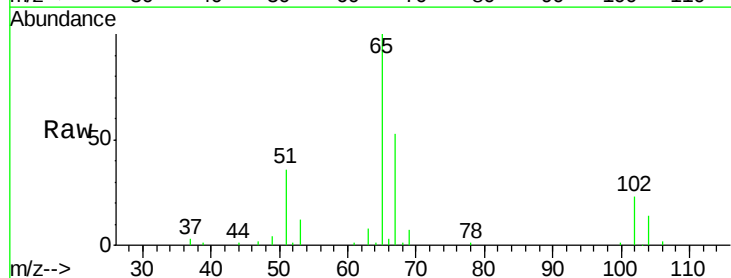


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

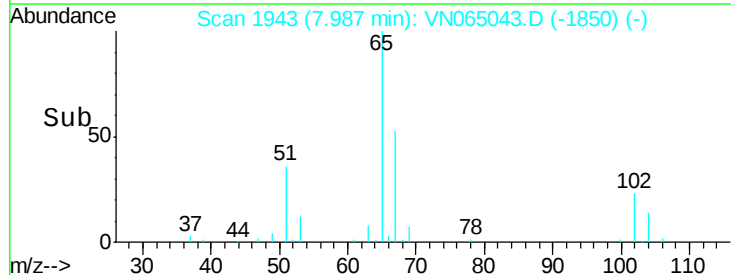
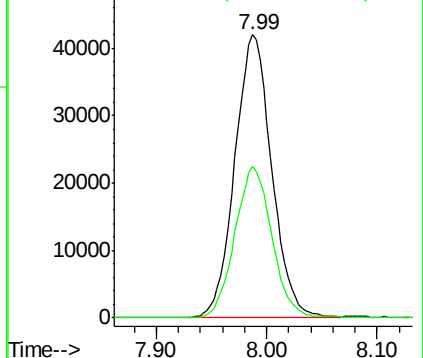


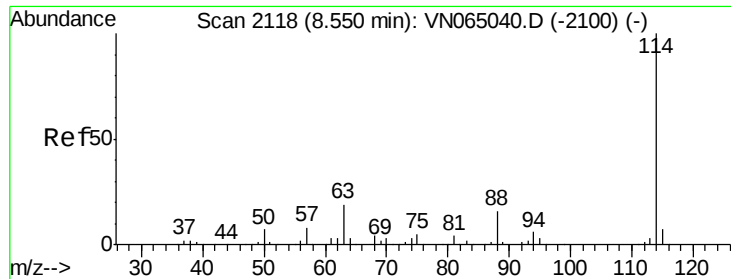
#33
1,2-Dichloroethane-d4
Concen: 51.830 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 65 Resp: 97412
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

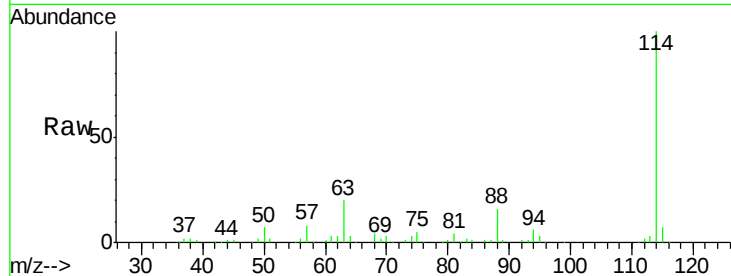




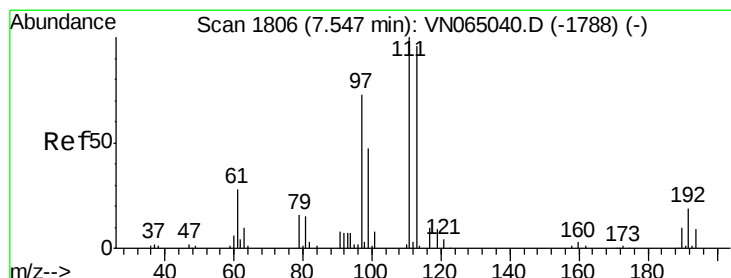
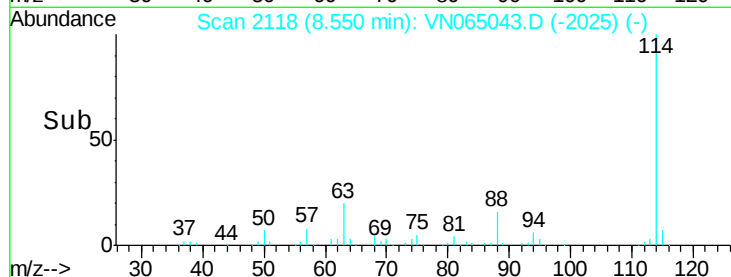
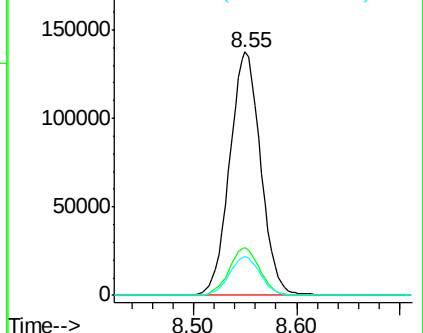
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion:114 Resp: 287949
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.2
88 15.8 0.0 31.6

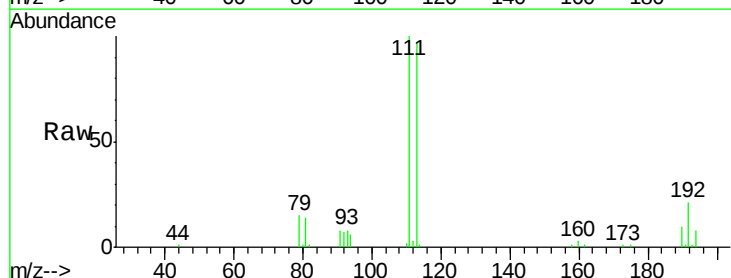


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VNO
Ion 87.90 (87.60 to 88.60): VNO

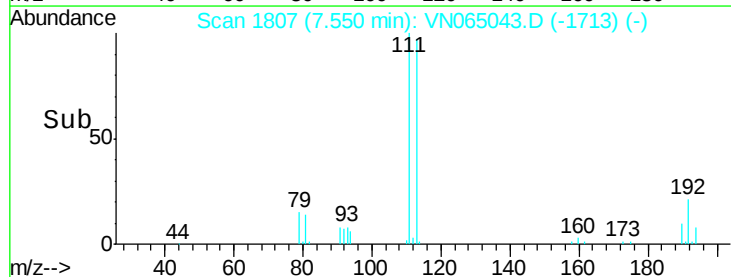
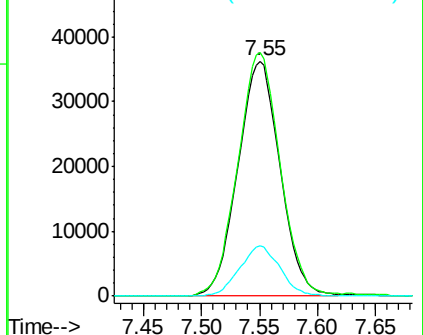


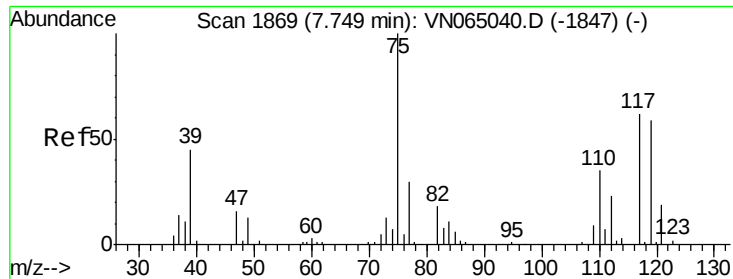
#35
Dibromofluoromethane
Concen: 48.183 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion:113 Resp: 91788
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.0
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

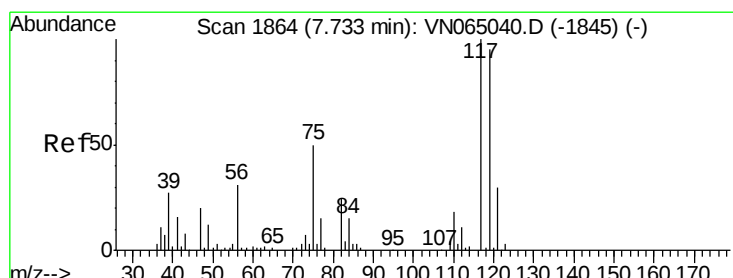
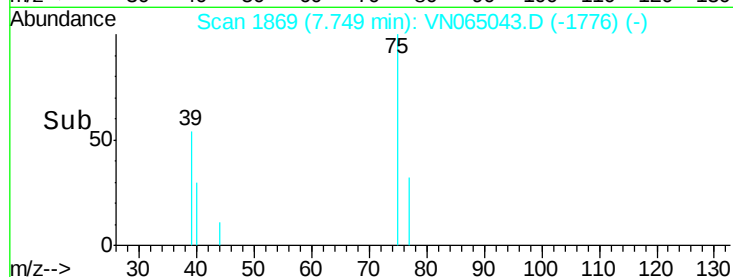
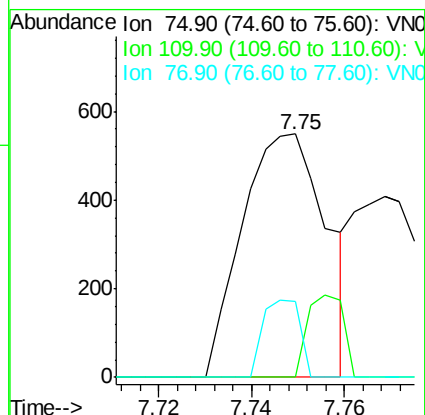
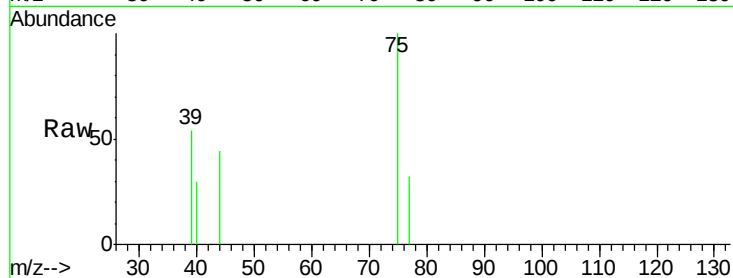




#36
 1,1-Dichloropropene
 Concen: 0.281 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

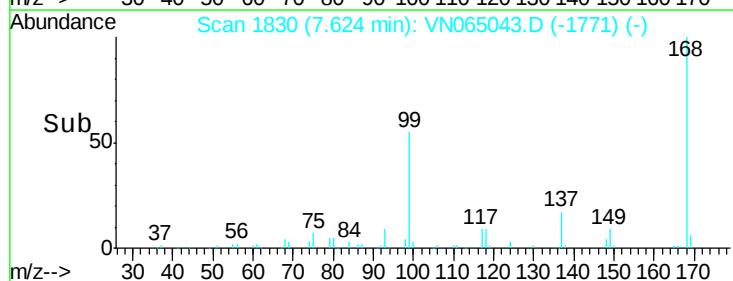
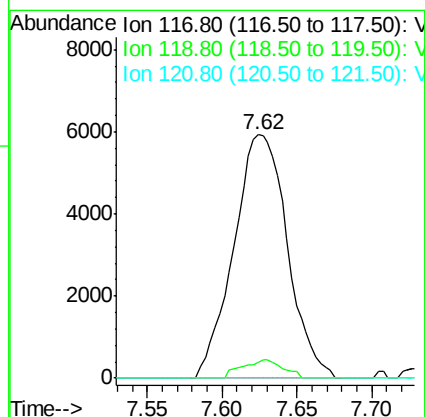
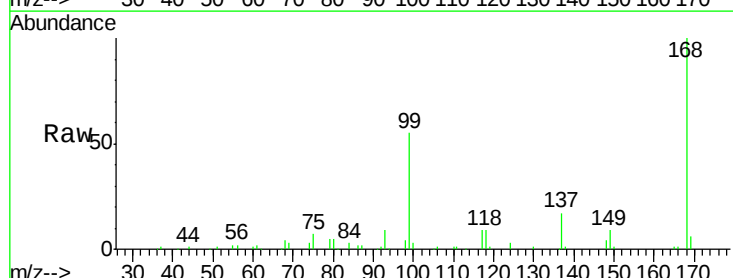
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

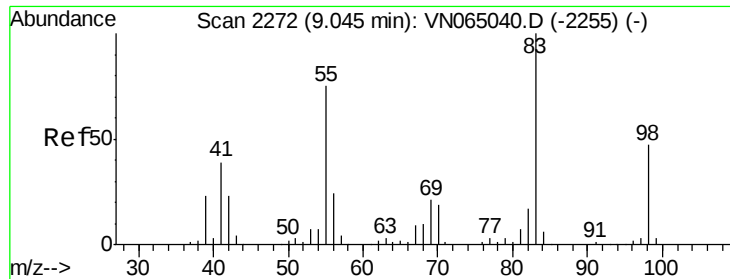
Tot Ion: 75 Resp: 691
 Ion Ratio Lower Upper
 75 100
 110 14.6 18.1 54.1#
 77 14.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.664 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion: 117 Resp: 14779
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.9 113.9#
 121 0.0 24.1 36.1#

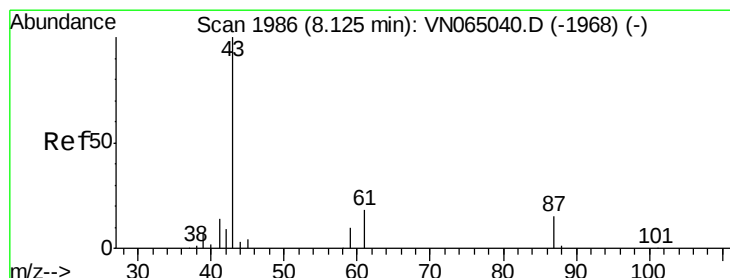
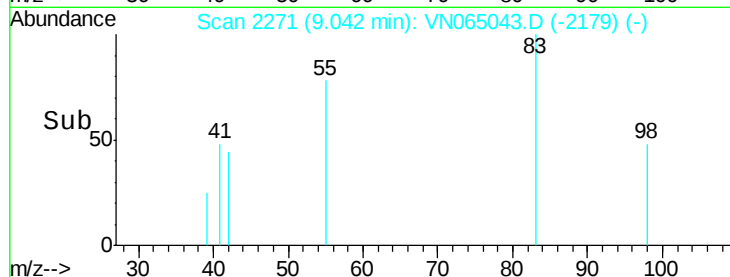
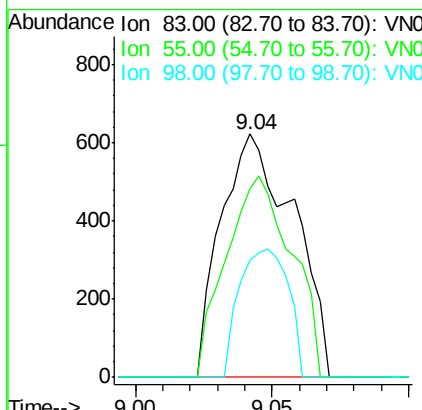
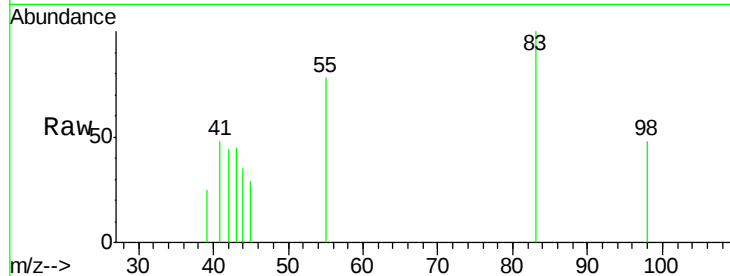




#39
Methvlcvclohexane
Concen: 0.475 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

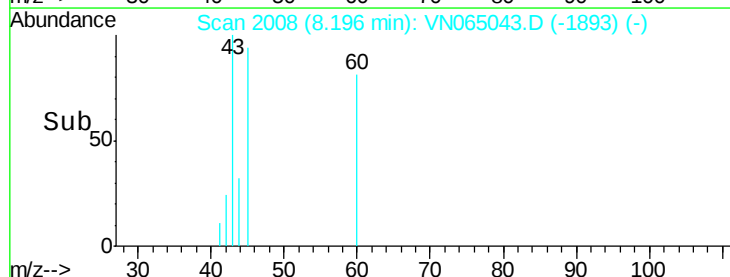
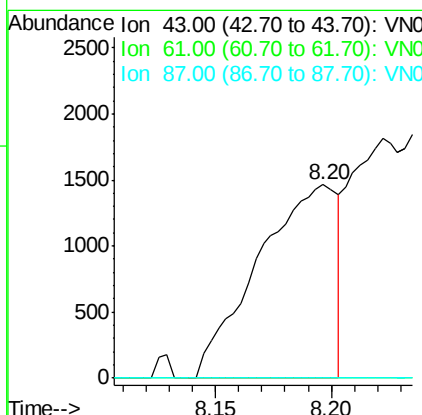
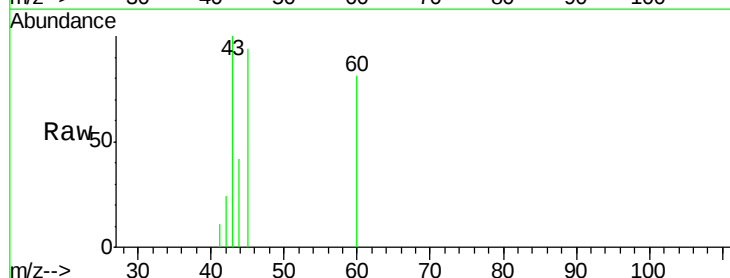
Instrument :
MSVOA_N
ClientSampled :
IBLK

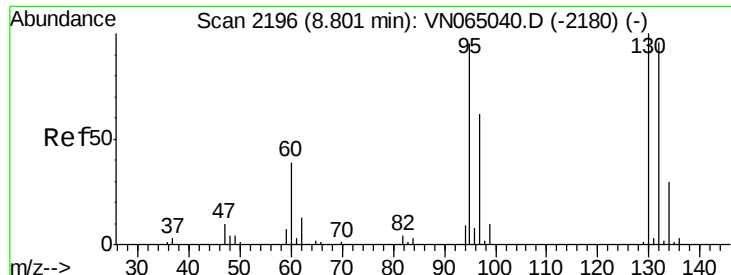
Tot Ion: 83 Resp: 1147
Ion Ratio Lower Upper
83 100
55 77.5 60.3 90.5
98 47.8 37.4 56.0



#43
Isopropyl Acetate
Concen: 0.936 ug/l
RT: 8.20 min Scan# 2008
Delta R.T. 0.07 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
61 0.0 16.9 25.3#
87 0.0 11.4 17.2#





#44

Trichloroethene

Concen: 0.398 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

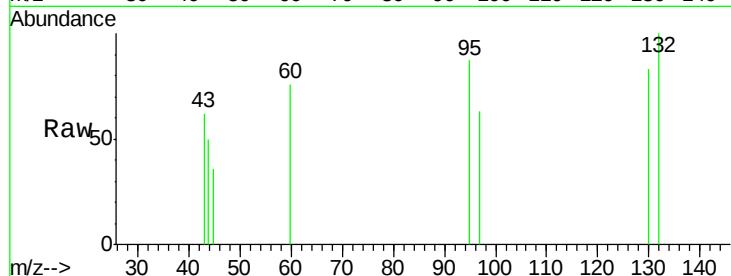
IBLK

Tot Ion:130 Resp: 845

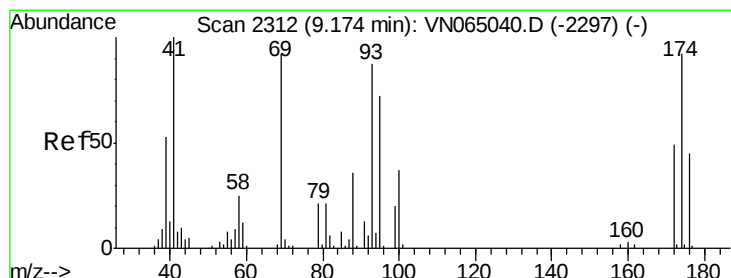
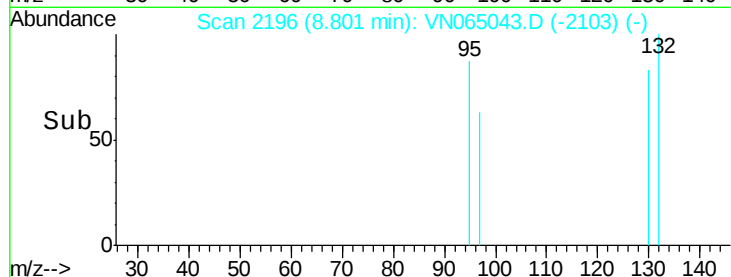
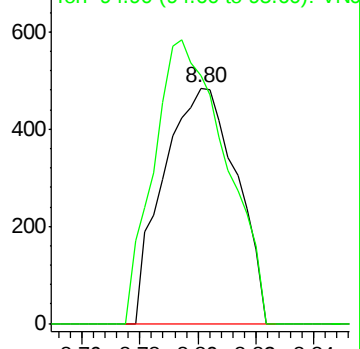
Ion Ratio Lower Upper

130 100

95 105.2 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V



#46

Dibromomethane

Concen: 0.284 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

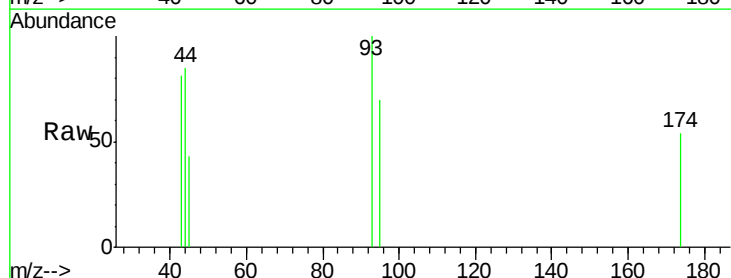
Tgt Ion: 93 Resp: 378

Ion Ratio Lower Upper

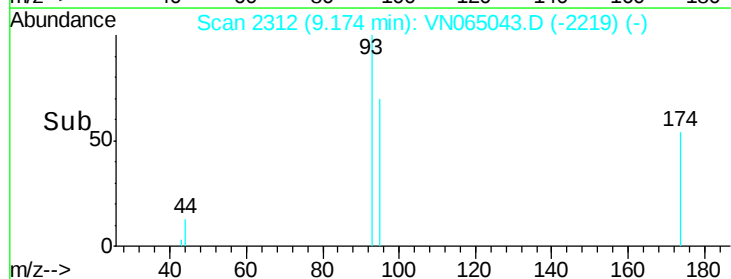
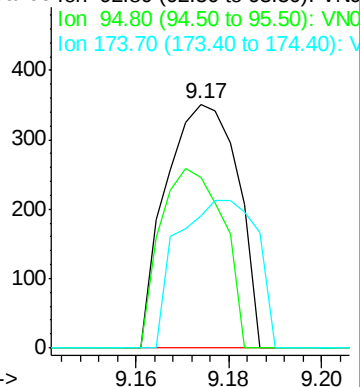
93 100

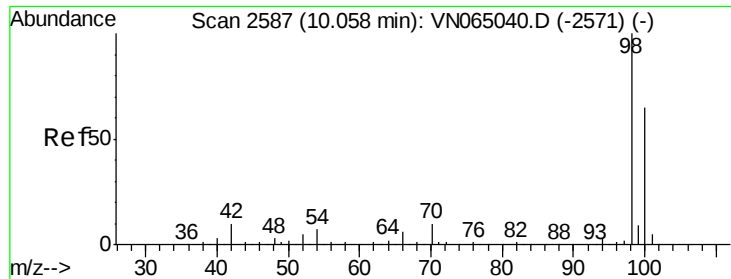
95 64.6 65.7 98.5#

174 66.9 83.0 124.4#



Abundance Ion 92.80 (92.50 to 93.50): VN





#50

Toluene-d8

Concen: 48.342 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

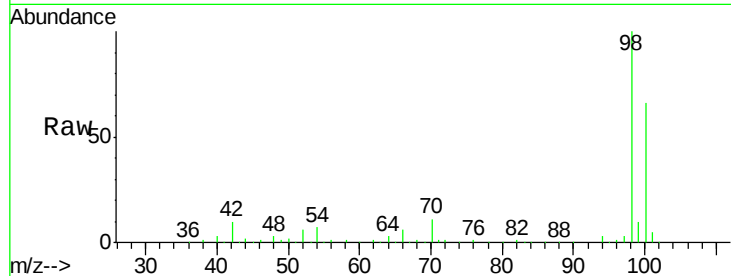
IBLK

Tot Ion: 98 Resp: 353298

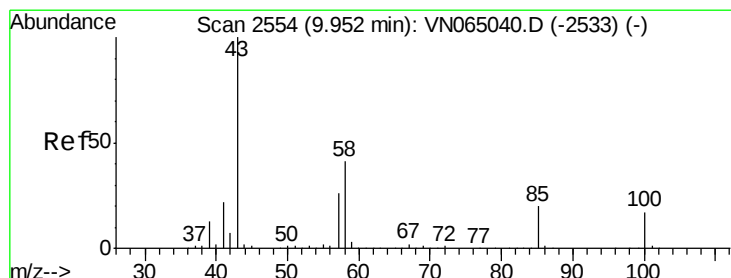
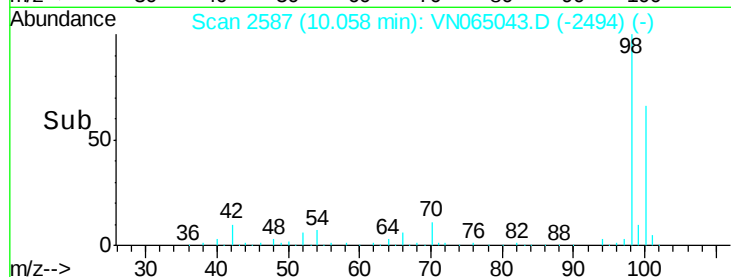
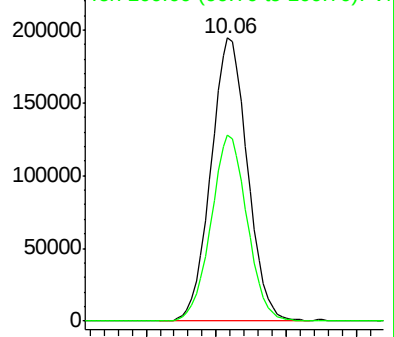
Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.657 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN065043.D

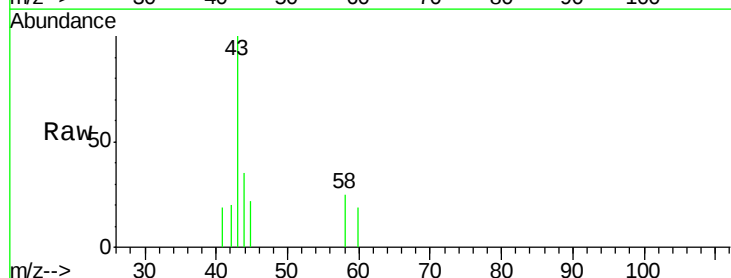
Acq: 10 Dec 2020 12:23

Tgt Ion: 43 Resp: 1457

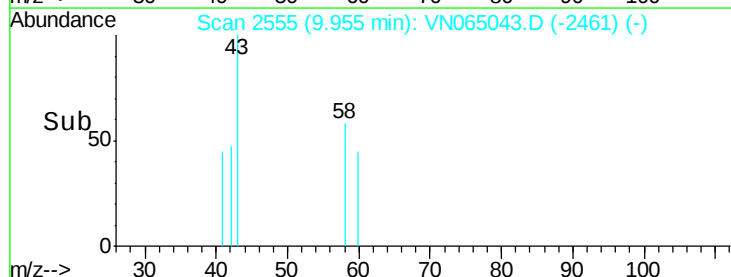
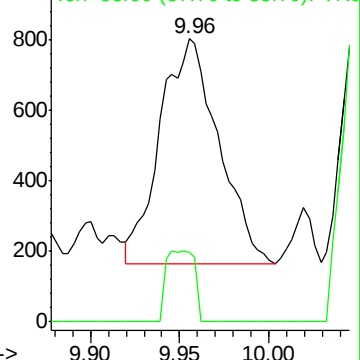
Ion Ratio Lower Upper

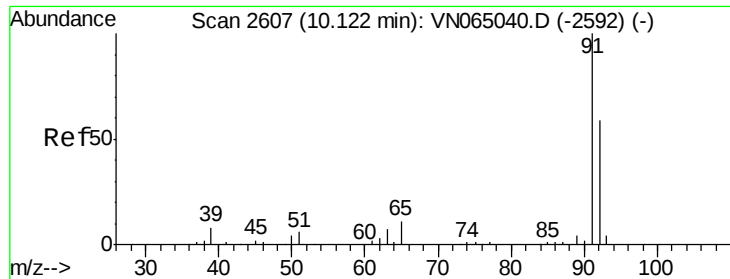
43 100

58 15.3 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-2533) (-)





#52

Toluene

Concen: 0.249 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

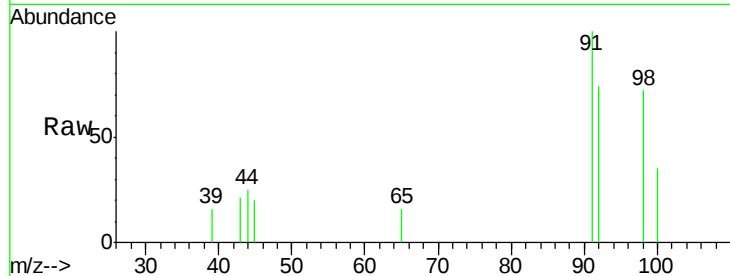
IBLK

Tot Ion: 92 Resp: 1187

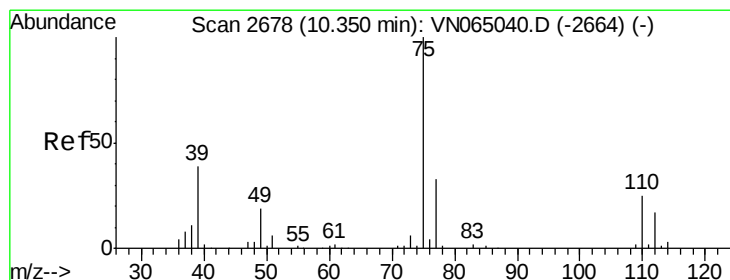
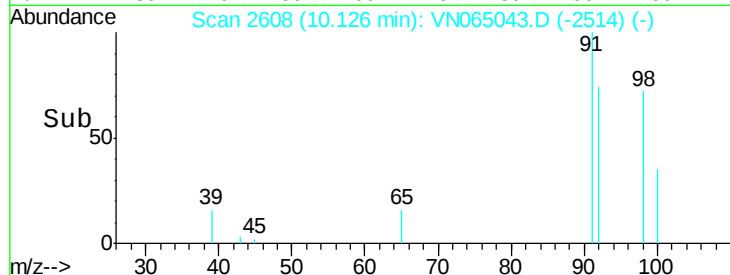
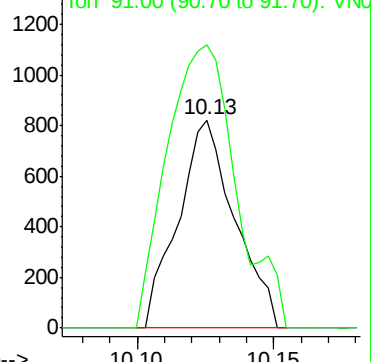
Ion Ratio Lower Upper

92 100

91 165.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN065043.D (-2592) (-)



#53

t-1,3-Dichloropropene

Concen: 0.306 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN065043.D

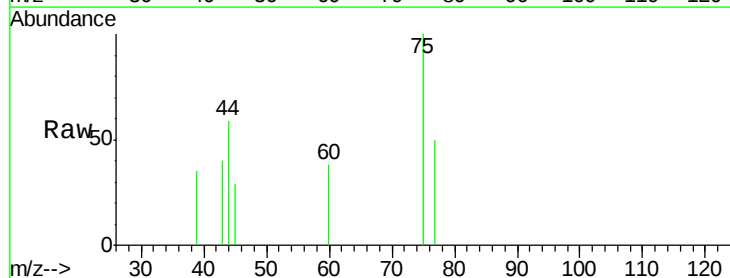
Acq: 10 Dec 2020 12:23

Tgt Ion: 75 Resp: 890

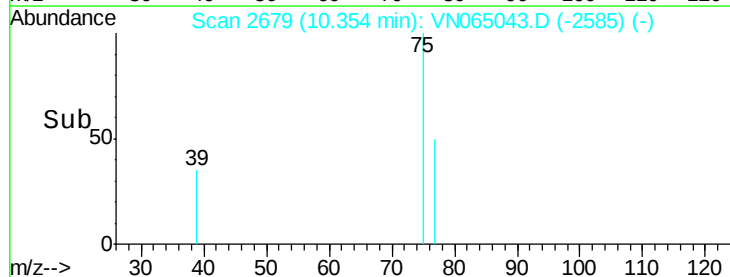
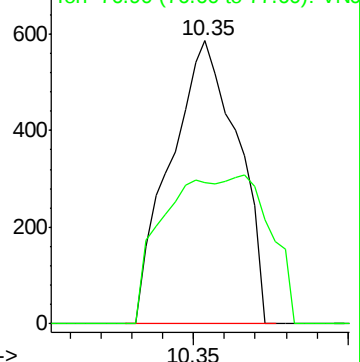
Ion Ratio Lower Upper

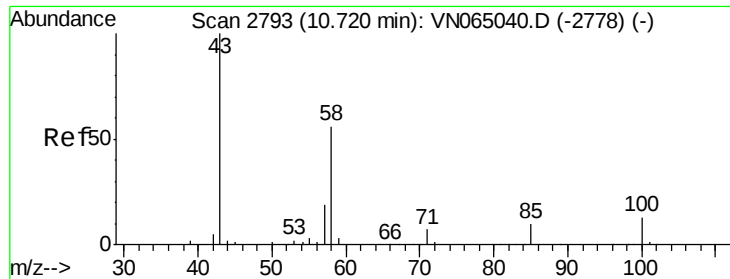
75 100

77 49.8 26.0 39.0#



Abundance Ion 74.90 (74.60 to 75.60): VN065043.D (-2664) (-)

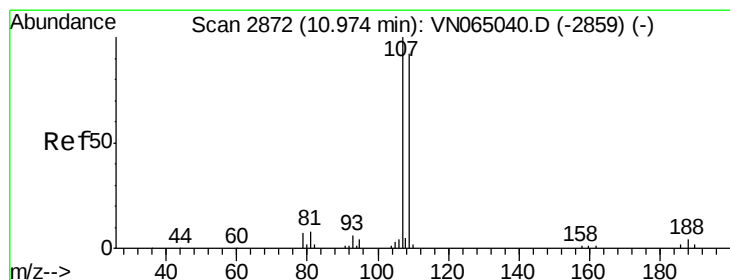
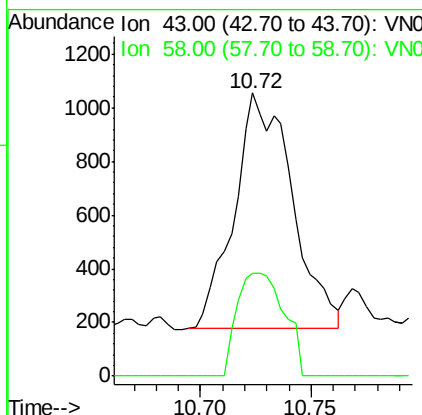
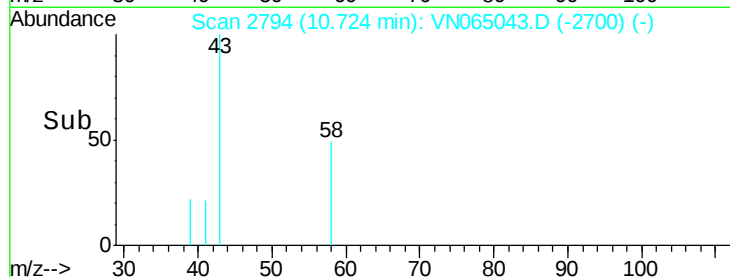
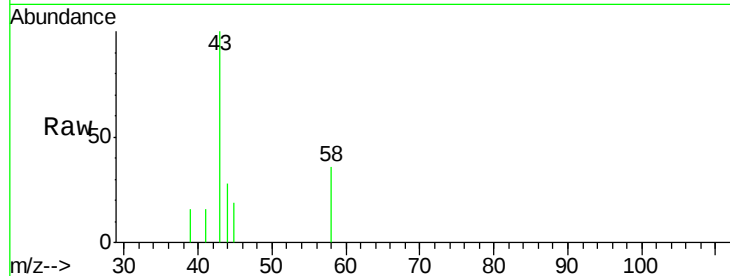




#59
 2-Hexanone
 Concen: 0.996 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

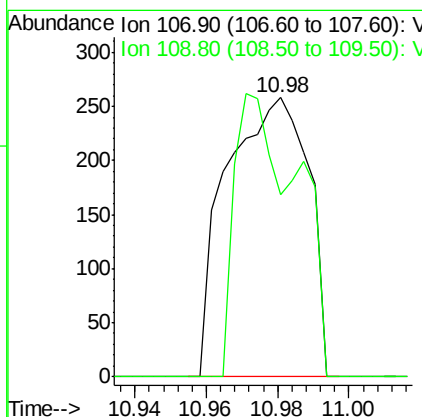
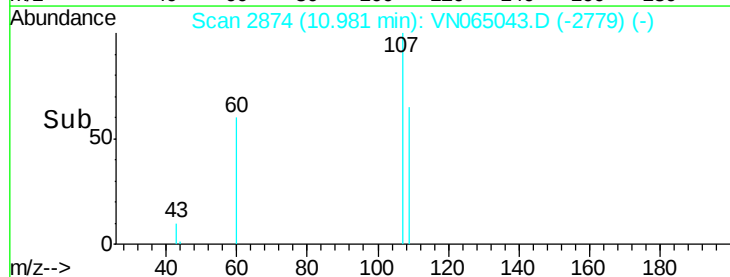
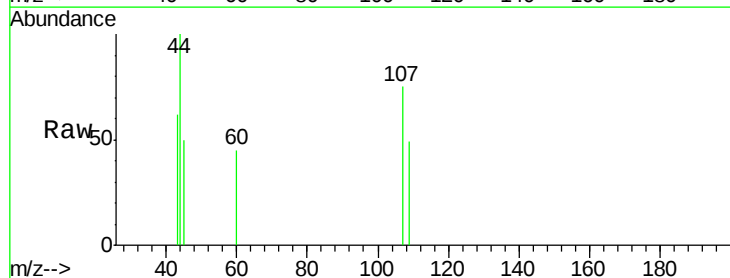
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

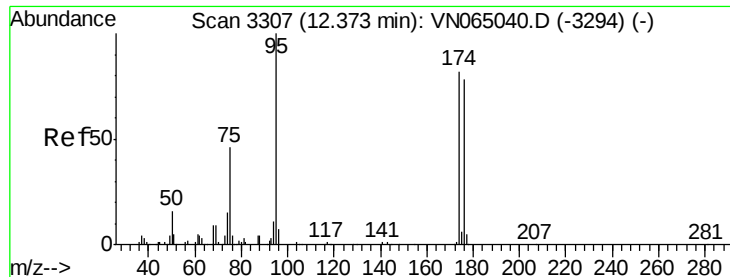
Tot Ion: 43 Resp: 1592
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.3 84.9



#61
 1,2-Dibromoethane
 Concen: 0.208 ug/l
 RT: 10.98 min Scan# 2874
 Delta R.T. 0.01 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion: 107 Resp: 410
 Ion Ratio Lower Upper
 107 100
 109 51.2 74.1 111.1#

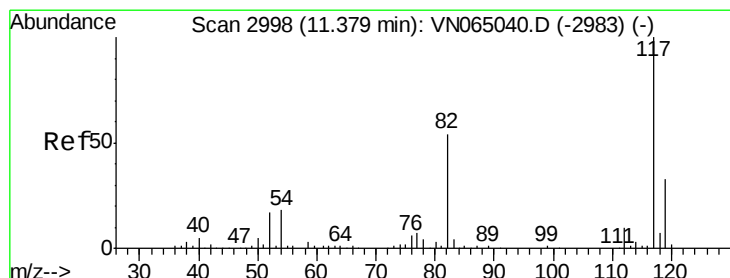
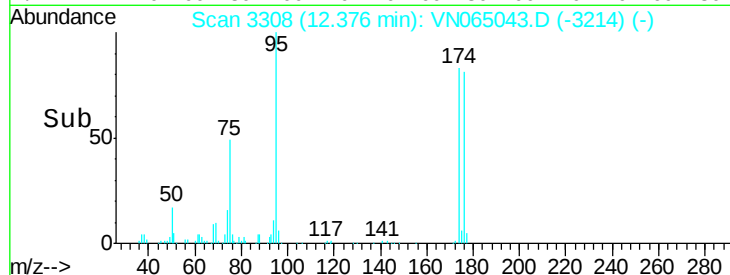
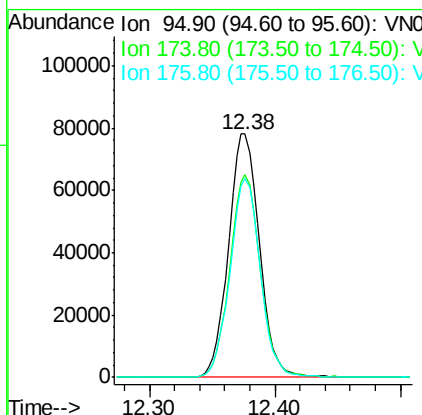
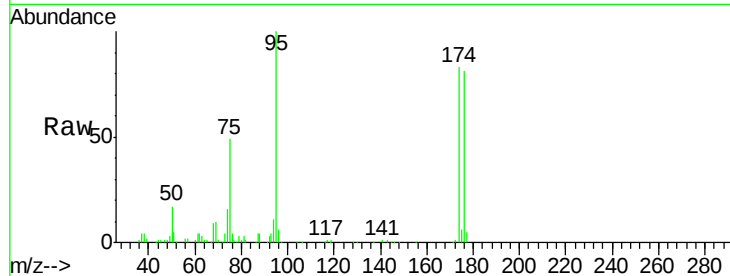




#62
4-Bromofluorobenzene
Concen: 53.525 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

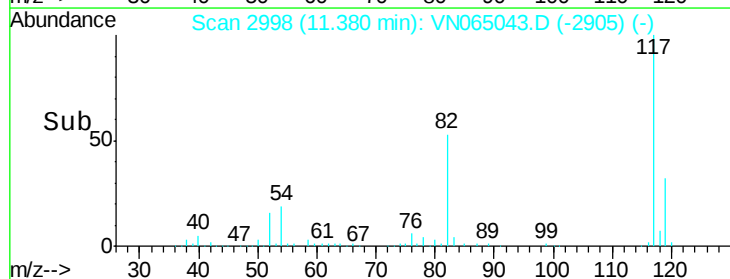
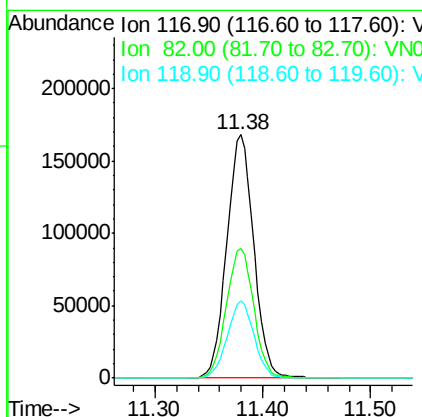
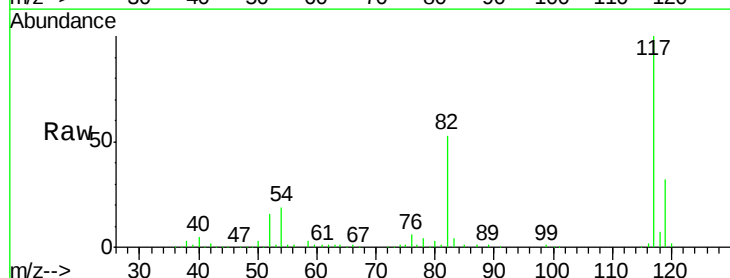
Instrument :
MSVOA_N
ClientSampled :
IBLK

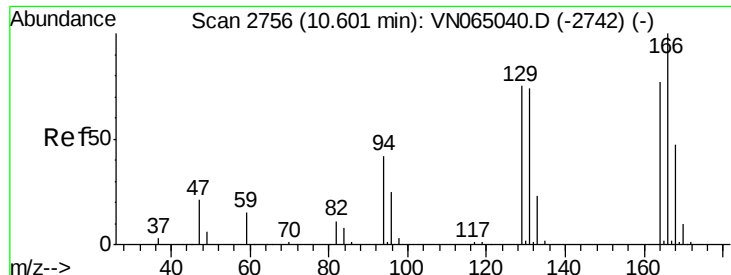
Tot Ion: 95 Resp: 134078
Ion Ratio Lower Upper
95 100
174 81.7 0.0 164.8
176 79.8 0.0 158.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 117 Resp: 293811
Ion Ratio Lower Upper
117 100
82 53.4 43.5 65.3
119 31.5 26.4 39.6





#64

Tetrachloroethene

Concen: 0.427 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tot Ion:164 Resp: 1066

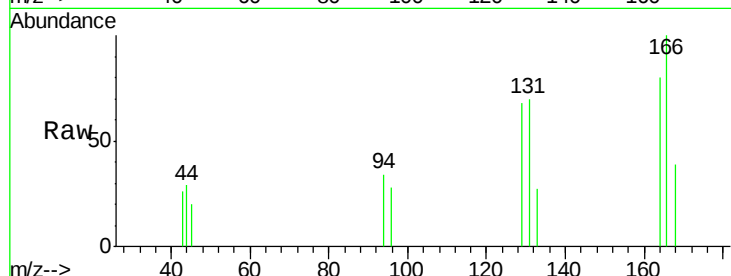
Ion Ratio Lower Upper

164 100

166 125.3 103.3 154.9

129 84.6 77.0 115.4

131 87.9 76.1 114.1

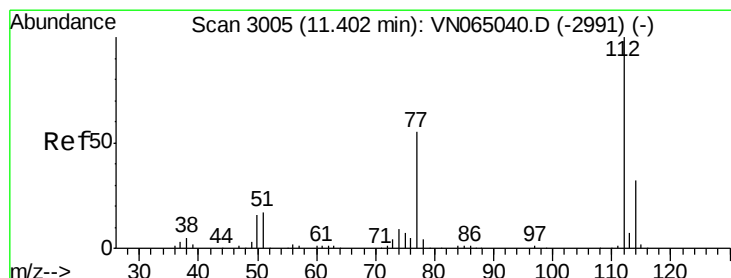
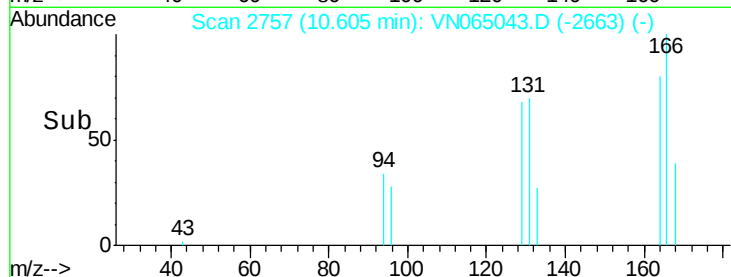
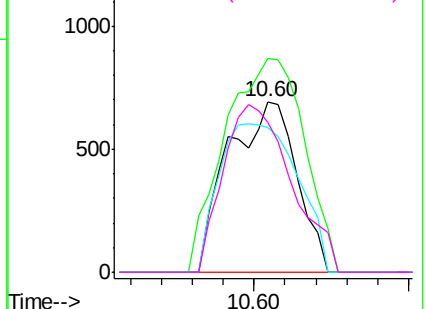


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.351 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN065043.D

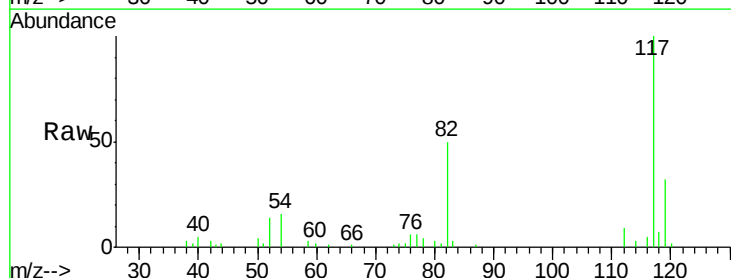
Acq: 10 Dec 2020 12:23

Tgt Ion:112 Resp: 2111

Ion Ratio Lower Upper

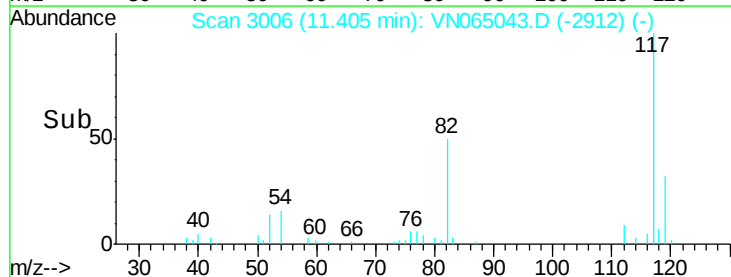
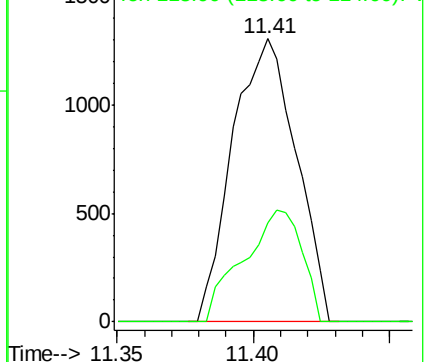
112 100

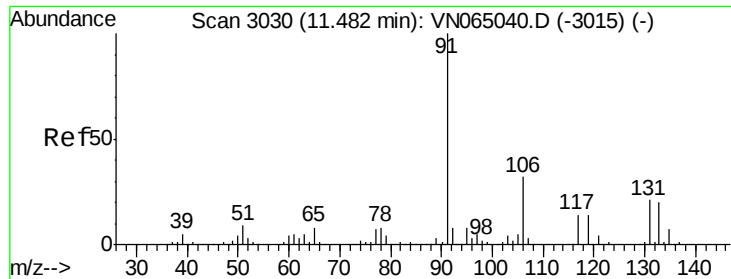
114 35.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

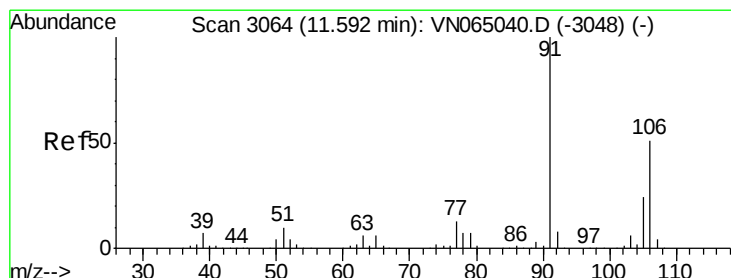
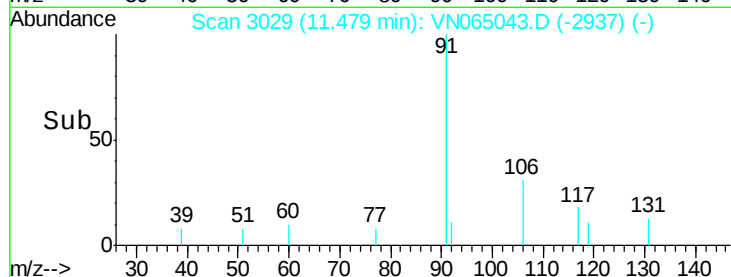
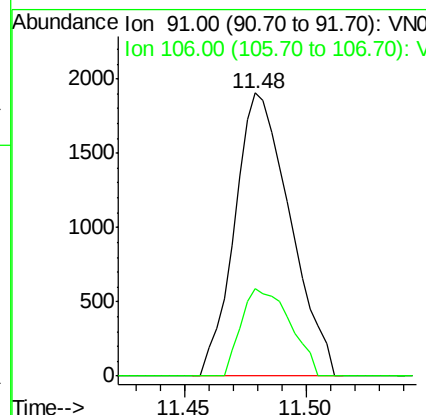
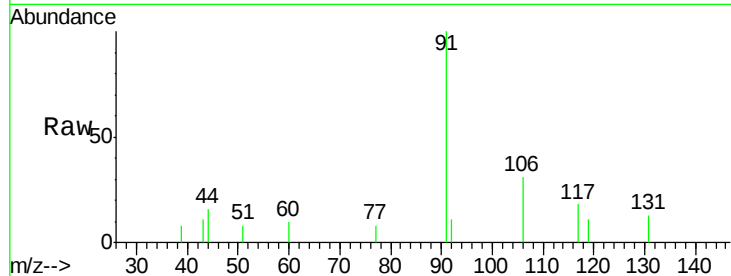




#67
Ethyl Benzene
Concen: 0.299 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

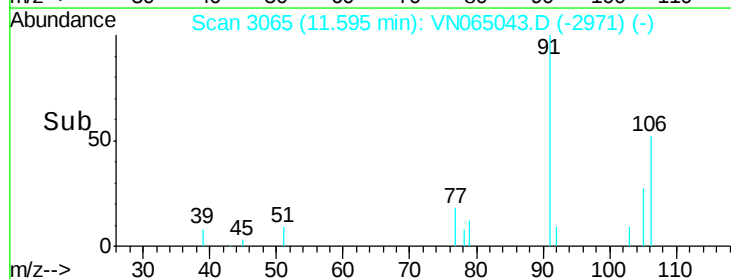
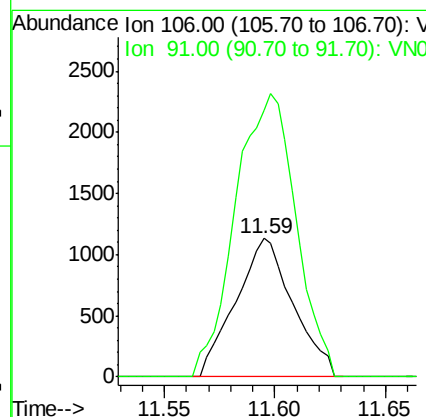
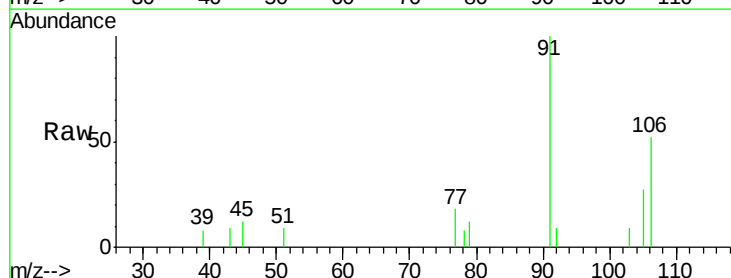
Instrument :
MSVOA_N
ClientSampled :
IBLK

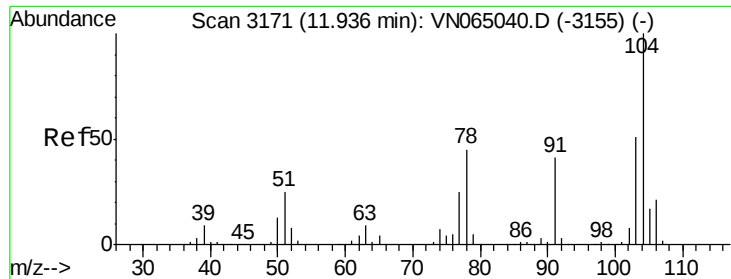
Tot Ion: 91 Resp: 2999
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5



#68
m/p-Xylenes
Concen: 0.524 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion: 106 Resp: 2038
Ion Ratio Lower Upper
106 100
91 215.8 157.0 235.6

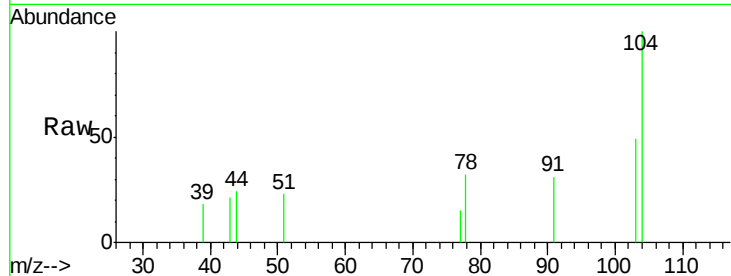




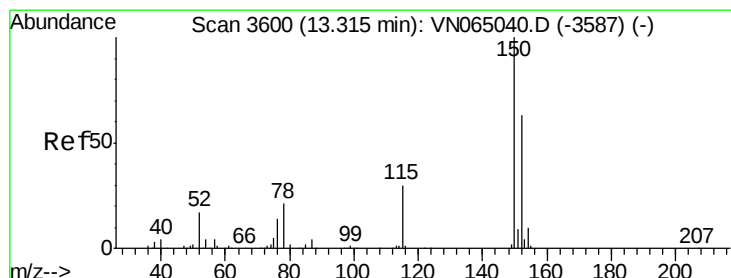
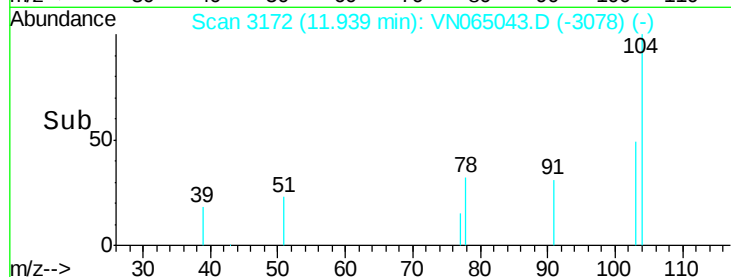
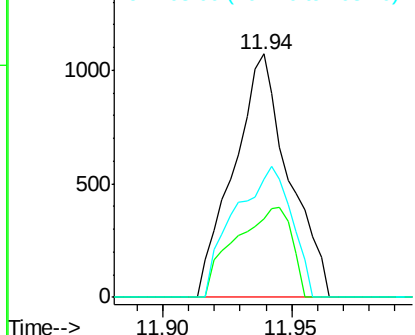
#70
Stvrene
Concen: 0.254 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:104 Resp: 1597
Ion Ratio Lower Upper
104 100
78 38.0 38.7 58.1#
103 55.7 43.8 65.8

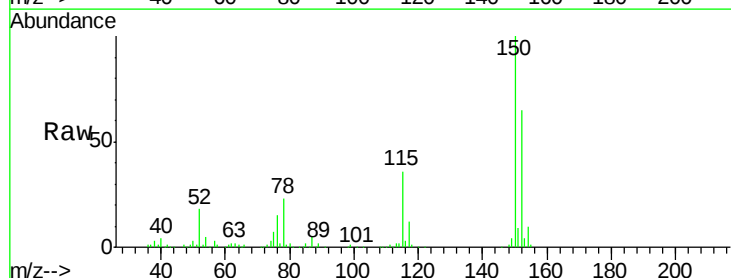


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

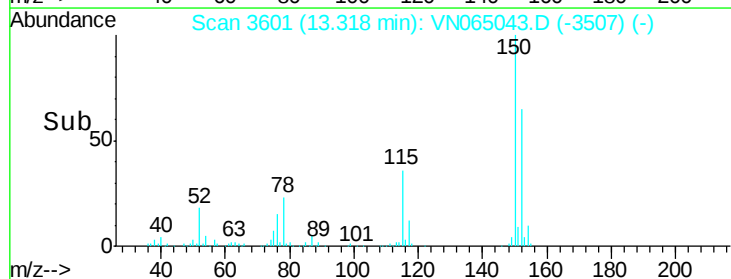
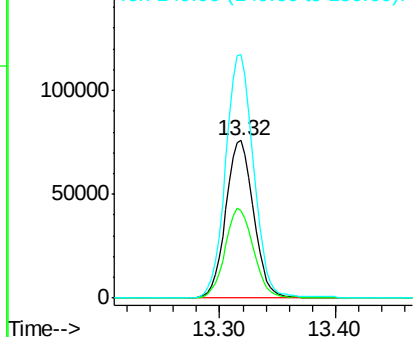


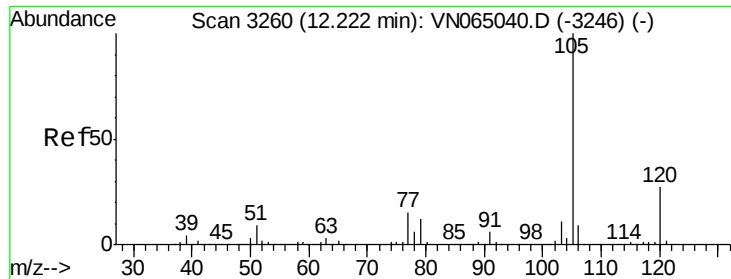
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN065043.D
Acq: 10 Dec 2020 12:23

Tgt Ion:152 Resp: 126467
Ion Ratio Lower Upper
152 100
115 57.7 29.3 88.0
150 155.3 0.0 345.8



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: 0.294 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

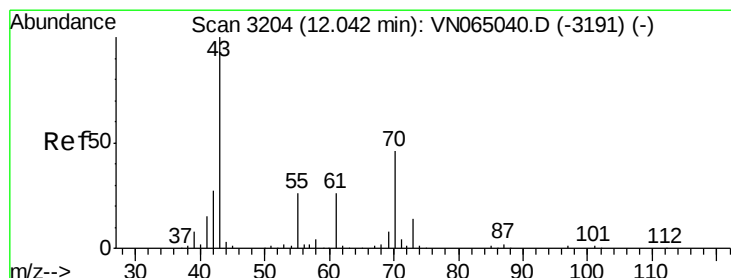
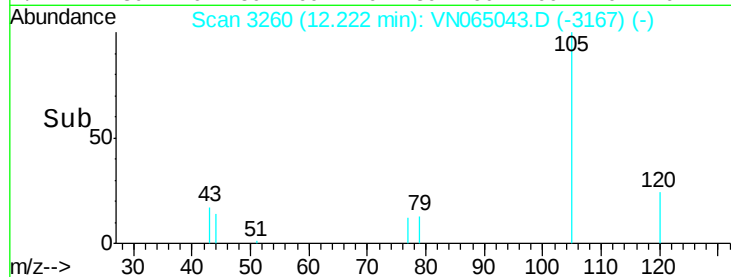
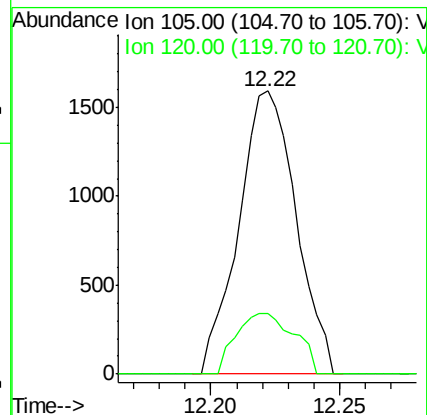
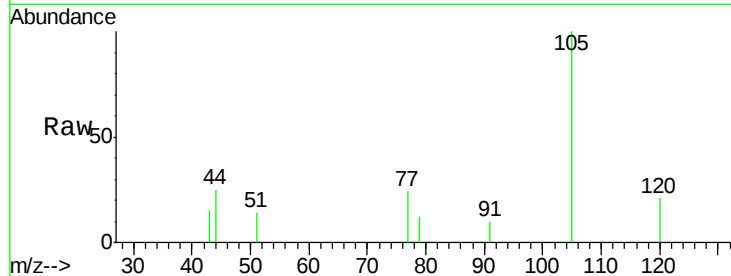
IBLK

Tot Ion:105 Resp: 2473

Ion Ratio Lower Upper

105 100

120 21.8 13.4 40.2



#74

N-ethyl acetate

Concen: 0.362 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Tgt Ion: 43 Resp: 1097

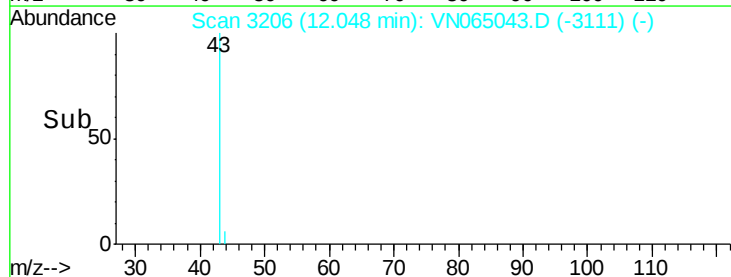
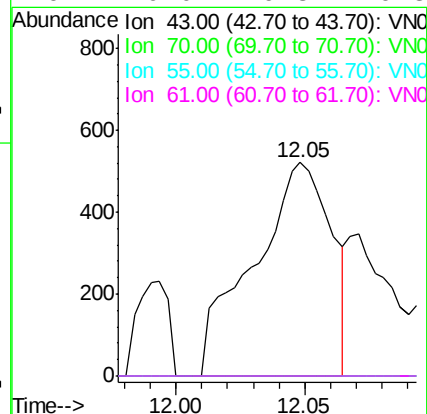
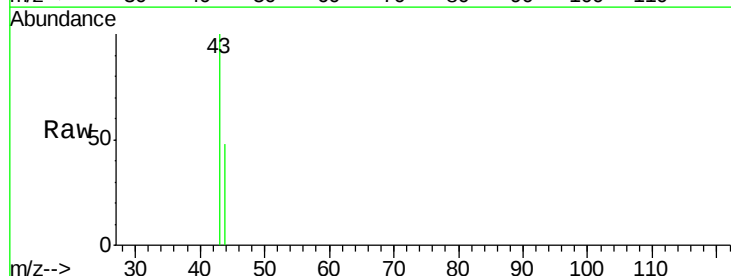
Ion Ratio Lower Upper

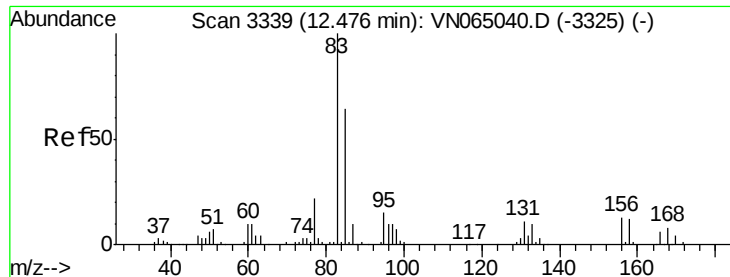
43 100

70 0.0 36.2 54.2#

55 0.0 21.4 32.0#

61 0.0 19.8 29.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/l

RT: 12.47 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

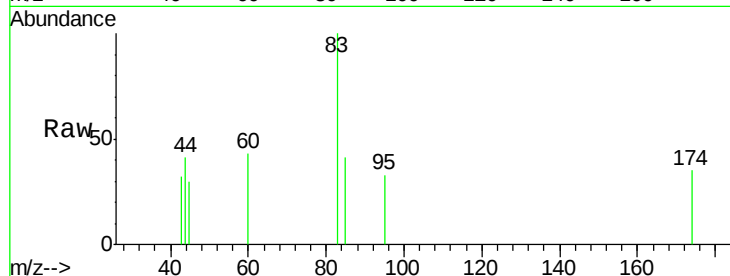
Tot Ion: 83 Resp: 707

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 37.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN065043.D (-3339) (-)

Ion 130.80 (130.50 to 131.50): VN065043.D (-3339) (-)

Ion 84.90 (84.60 to 85.60): VN065043.D (-3339) (-)

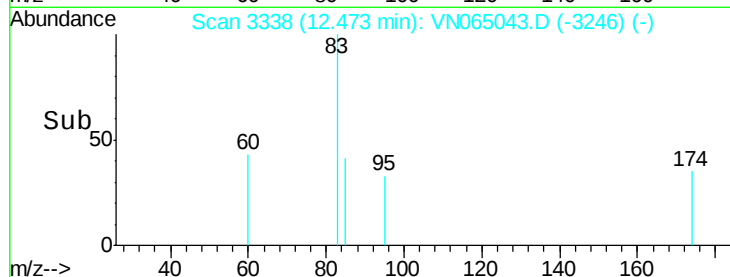
12.47

400

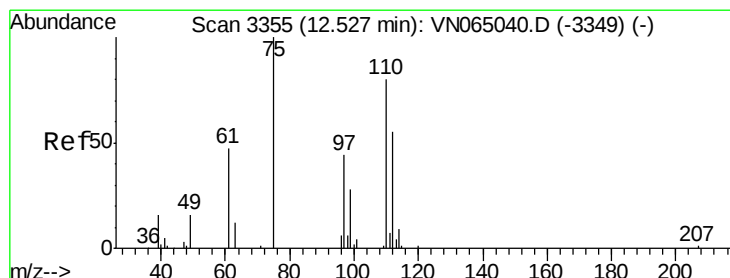
200

0

12.44 12.46 12.48 12.50



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.285 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065043.D

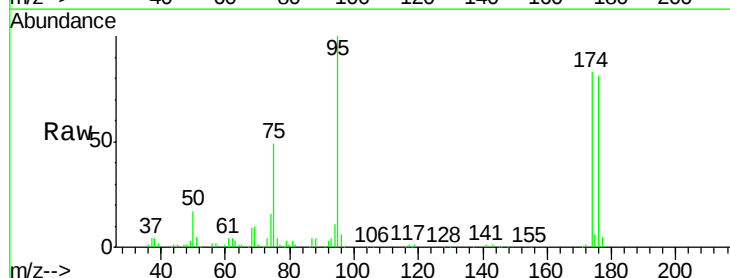
Acq: 10 Dec 2020 12:23

Tgt Ion: 75 Resp: 64440

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN065043.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN065043.D (-3355) (-)

12.38

40000

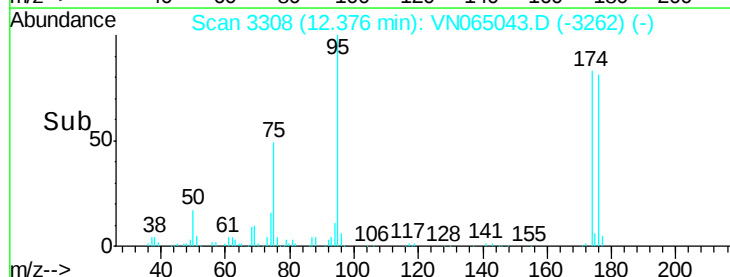
30000

20000

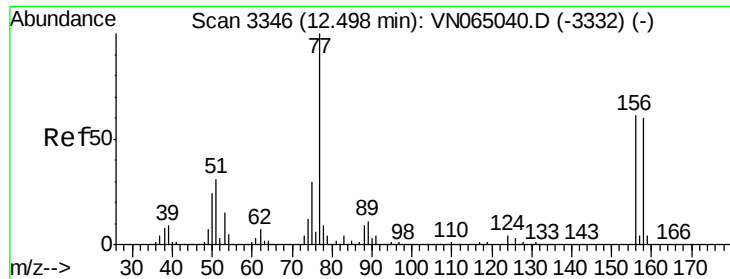
10000

0

12.30 12.35 12.40 12.45



Time-->



#77

Bromobenzene

Concen: 0.500 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

IBLK

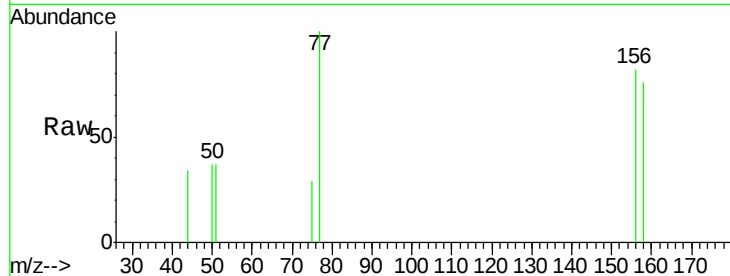
Tot Ion:156 Resp: 1118

Ion Ratio Lower Upper

156 100

77 176.0 99.3 297.8

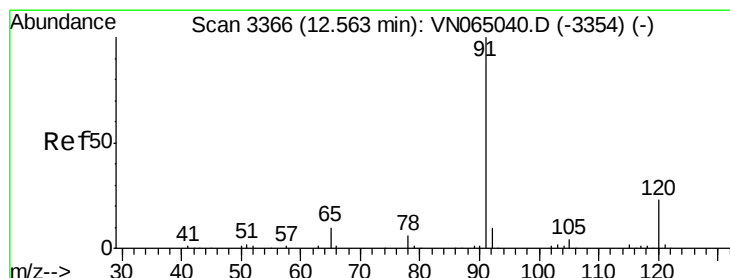
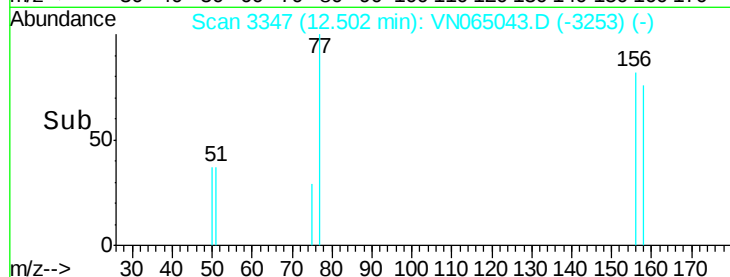
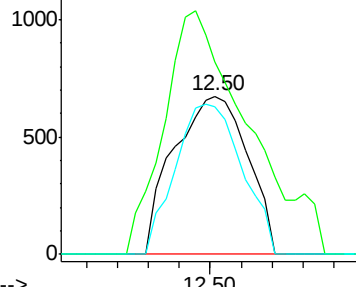
158 85.7 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.498 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN065043.D

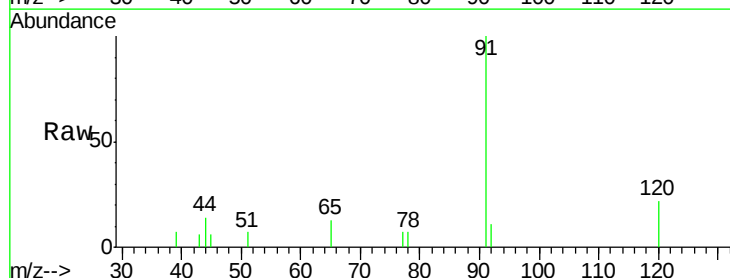
Acq: 10 Dec 2020 12:23

Tgt Ion: 91 Resp: 4726

Ion Ratio Lower Upper

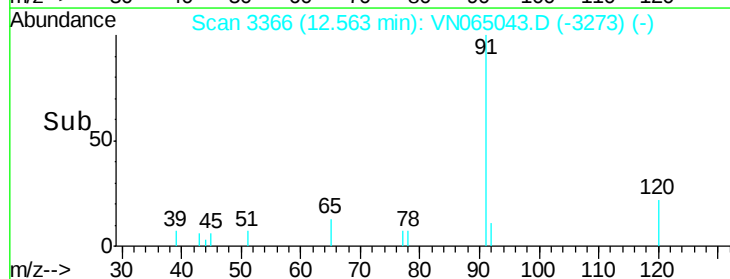
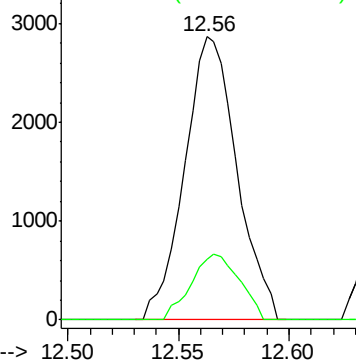
91 100

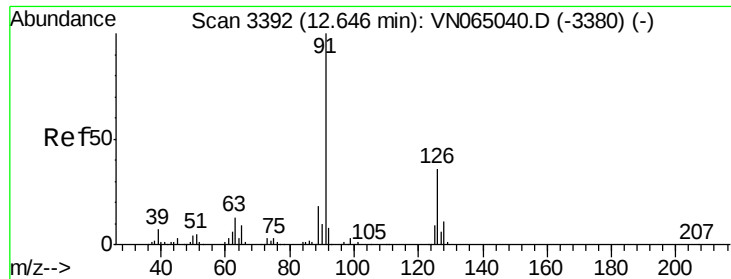
120 21.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.450 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

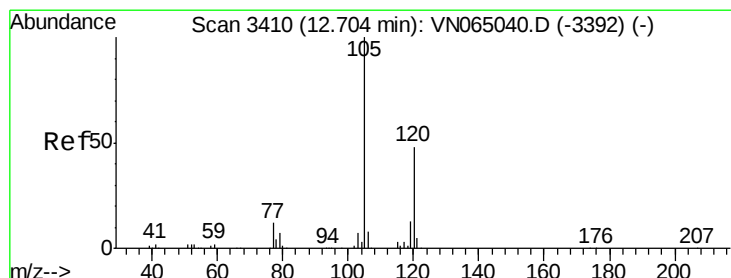
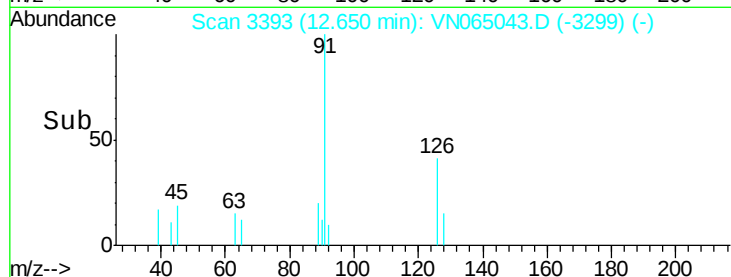
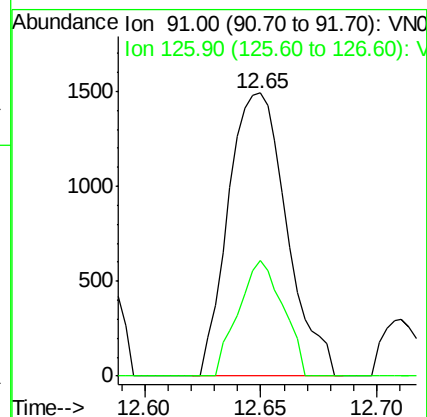
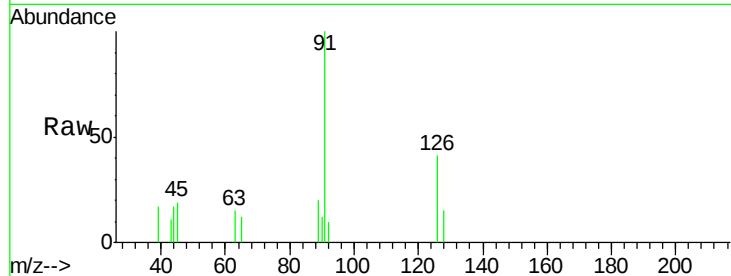
IBLK

Tot Ion: 91 Resp: 2612

Ion Ratio Lower Upper

91 100

126 31.1 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 0.388 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065043.D

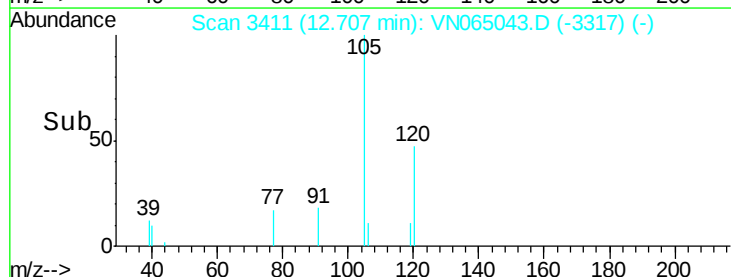
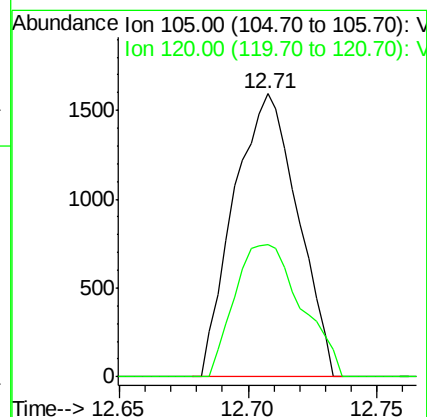
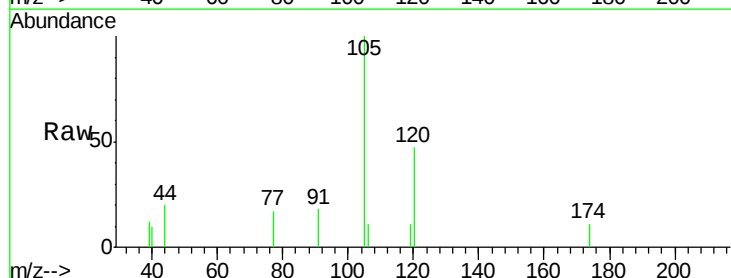
Acq: 10 Dec 2020 12:23

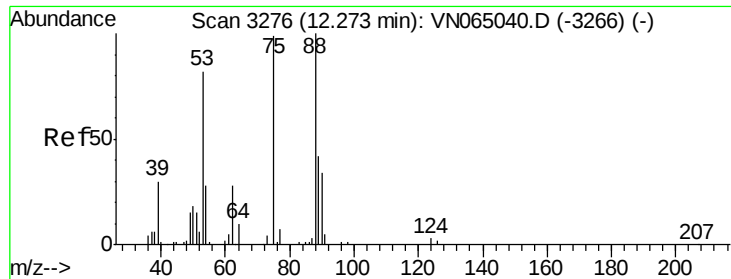
Tgt Ion: 105 Resp: 2743

Ion Ratio Lower Upper

105 100

120 49.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 74.454 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

IBLK

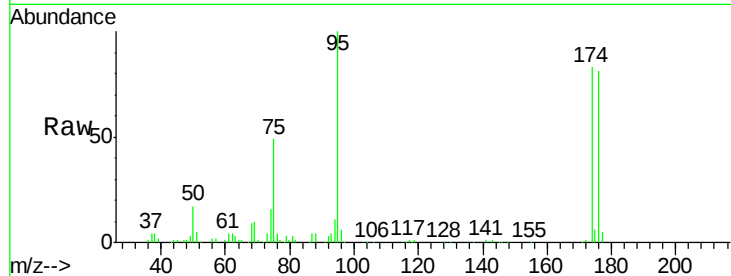
Tot Ion: 75 Resp: 64440

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

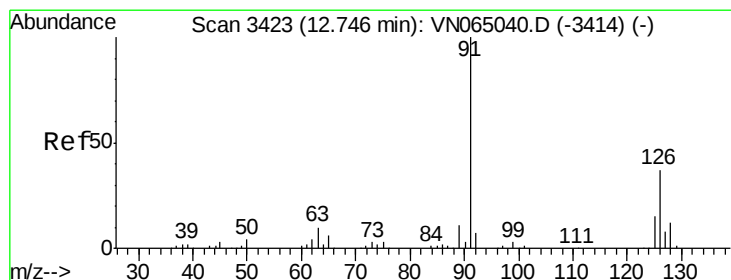
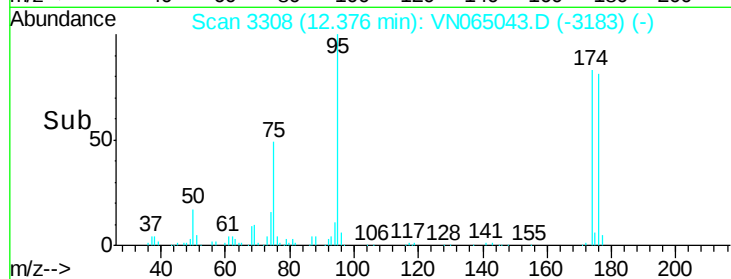
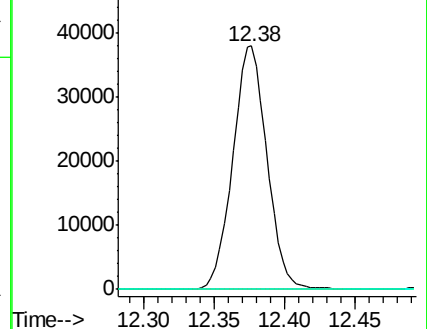
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN065043.D (-3308) (-)

Ion 53.00 (52.70 to 53.70): VN065043.D (-3308) (-)

Ion 88.90 (88.60 to 89.60): VN065043.D (-3308) (-)



#82

4-Chlorotoluene

Concen: 0.574 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN065043.D

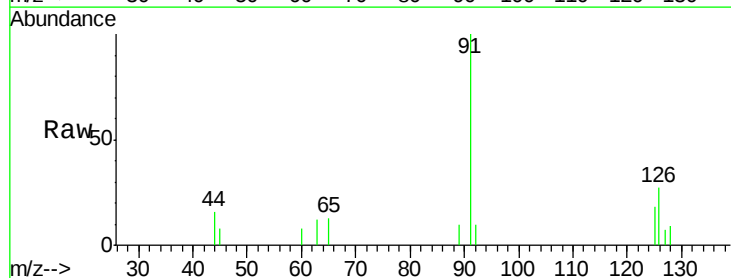
Acq: 10 Dec 2020 12:23

Tgt Ion: 91 Resp: 3511

Ion Ratio Lower Upper

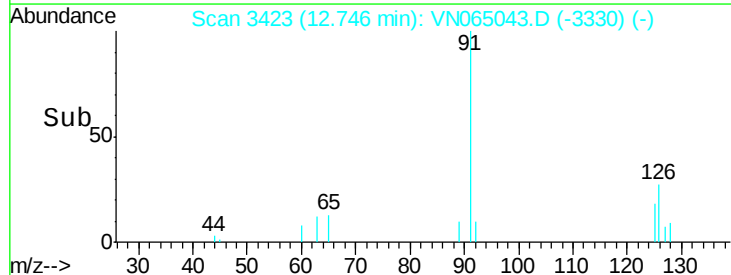
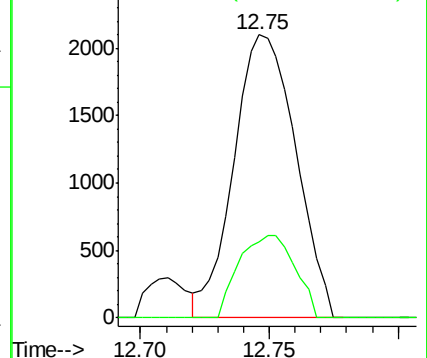
91 100

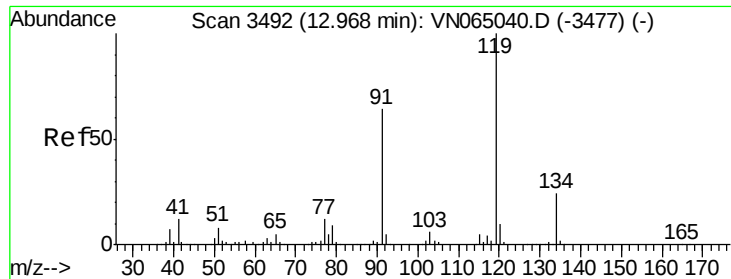
126 26.3 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN065043.D (-3423) (-)

Ion 125.90 (125.60 to 126.60): VN065043.D (-3423) (-)

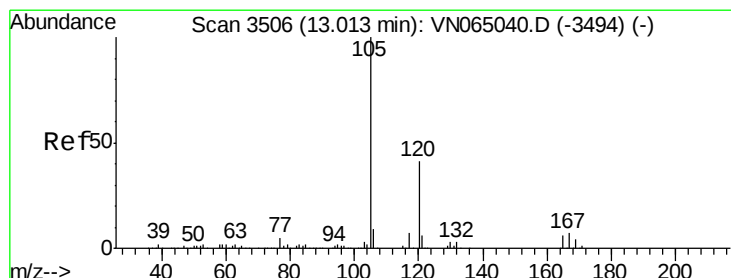
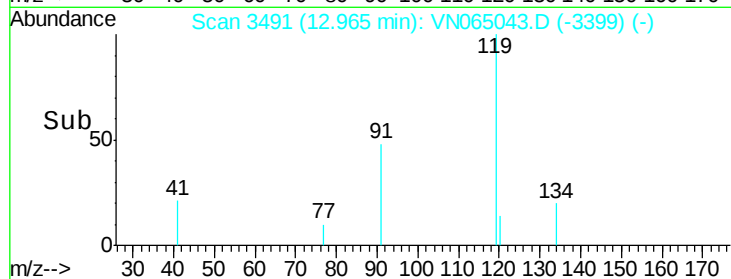
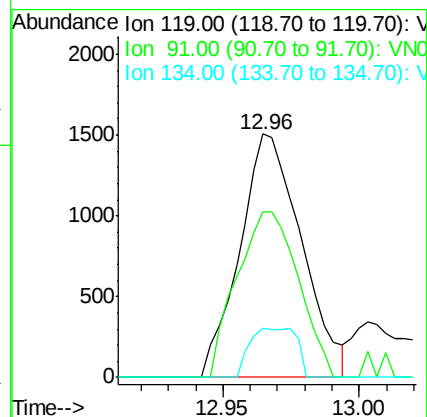
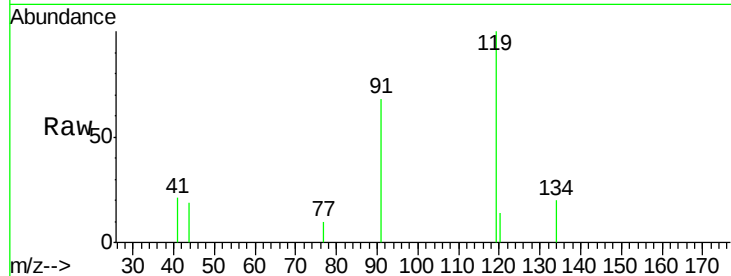




#83
 tert-Butylbenzene
 Concen: 0.405 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

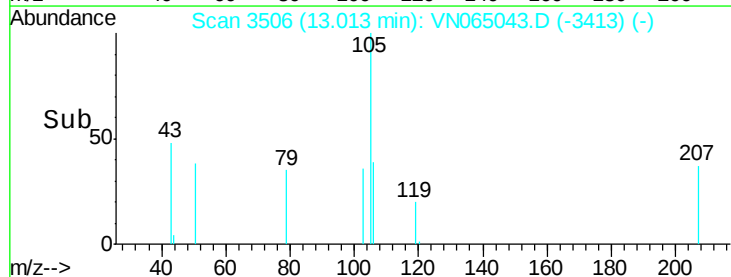
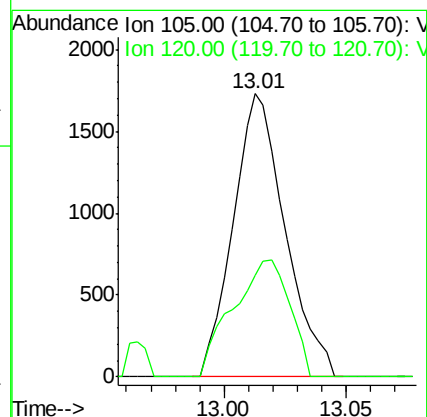
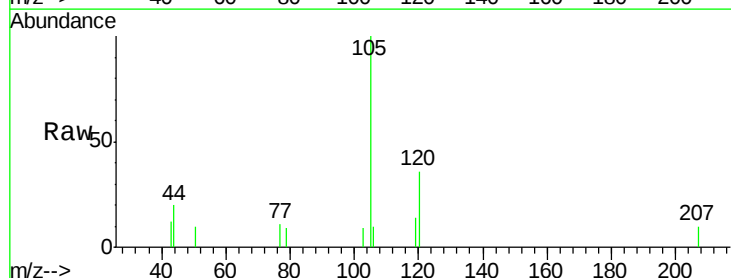
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

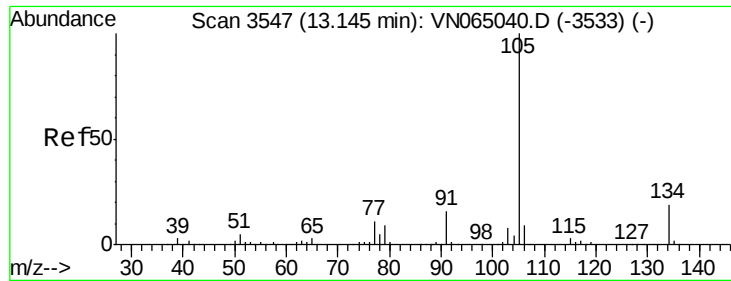
Tot Ion:119 Resp: 2364
 Ion Ratio Lower Upper
 119 100
 91 67.9 31.1 93.5
 134 15.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.357 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion:105 Resp: 2549
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2

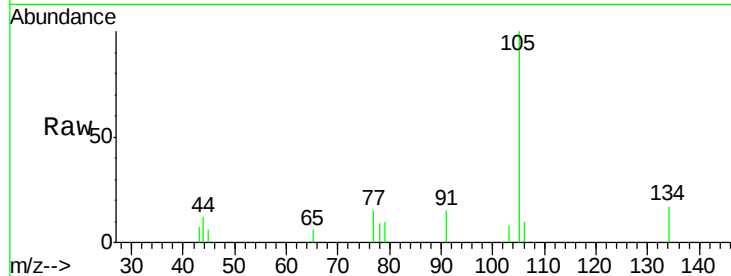




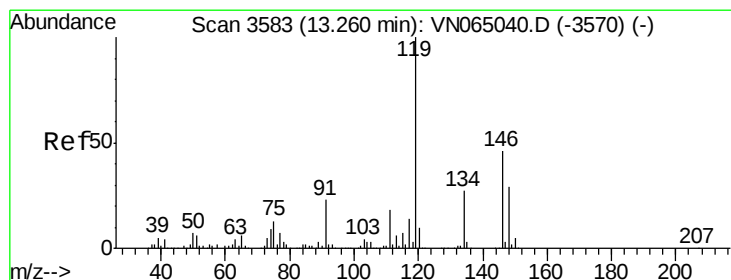
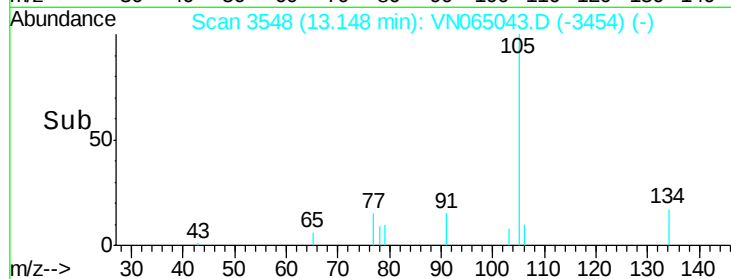
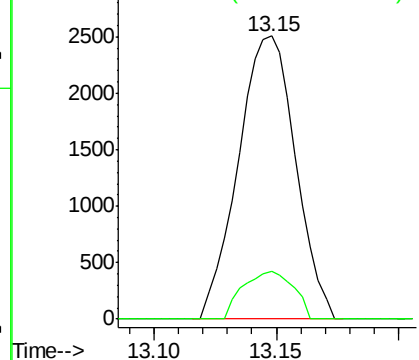
#85
 sec-Butylbenzene
 Concen: 0.536 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

Tot Ion:105 Resp: 4077
 Ion Ratio Lower Upper
 105 100
 134 15.0 9.8 29.5

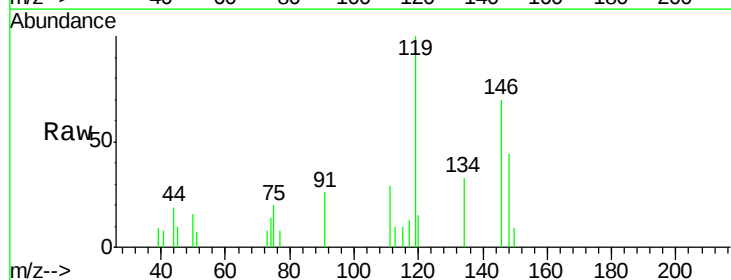


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

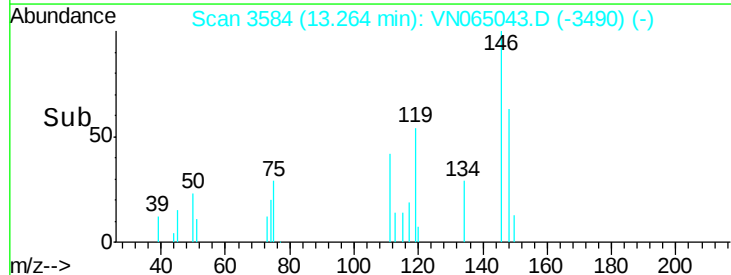
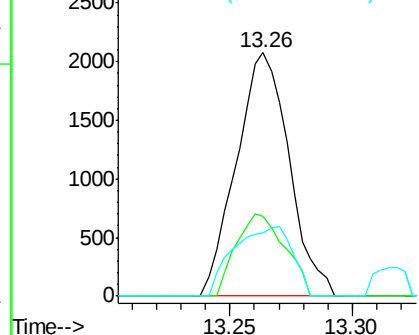


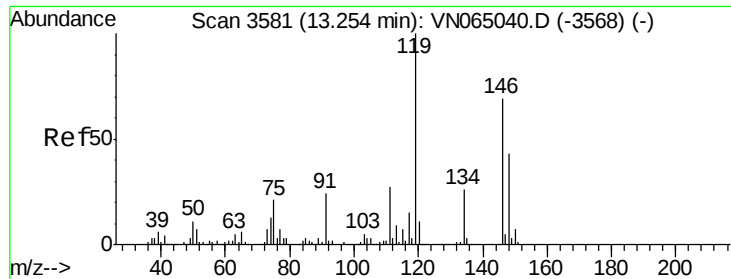
#86
 p-Isopropyltoluene
 Concen: 0.443 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion:119 Resp: 3105
 Ion Ratio Lower Upper
 119 100
 134 31.4 13.0 38.9
 91 31.9 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

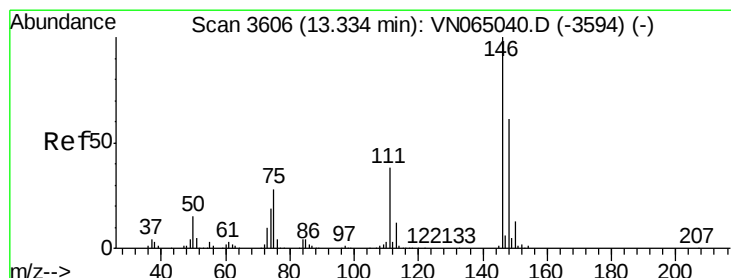
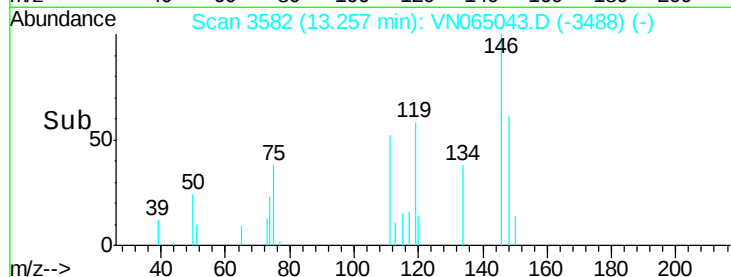
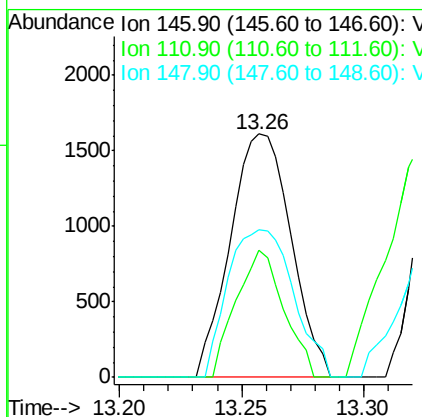
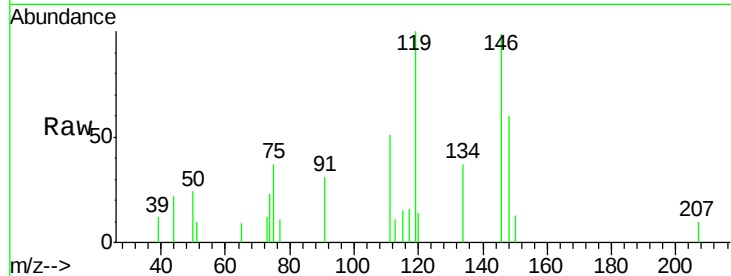




#87
 1,3-Dichlorobenzene
 Concen: 0.700 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

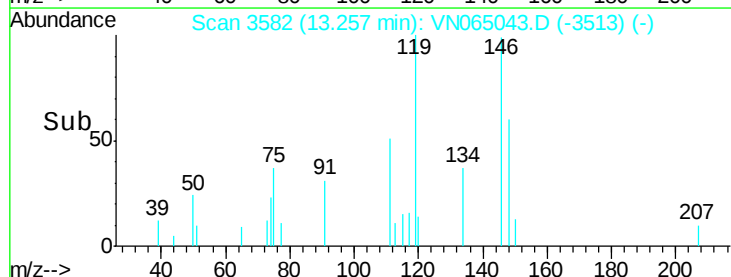
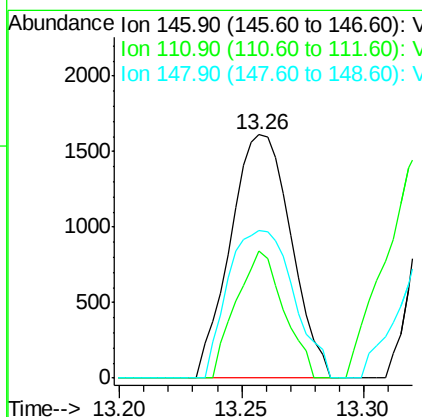
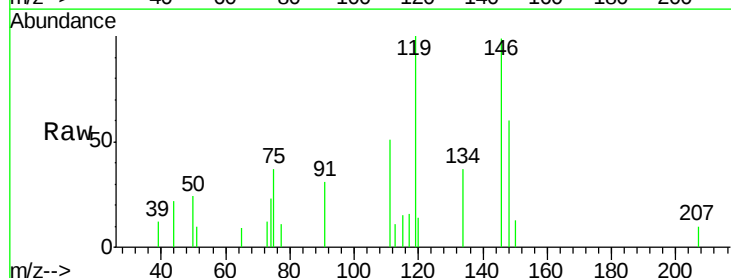
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

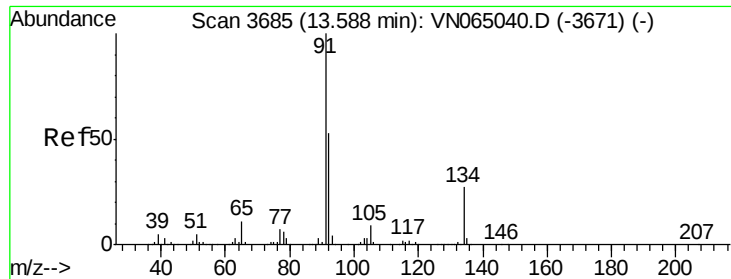
Tot Ion:146 Resp: 2782
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 65.7 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 0.690 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion:146 Resp: 2782
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.2 57.6
 148 65.7 31.1 93.3





#89

n-Butylbenzene

Concen: 0.752 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

IBLK

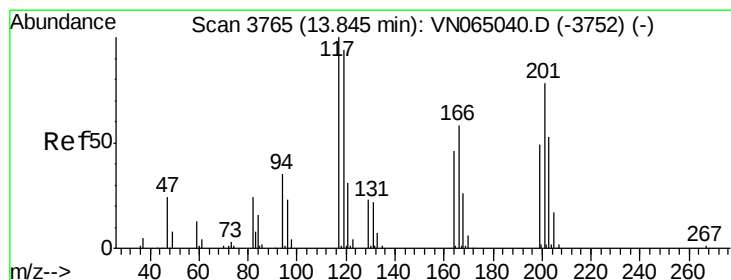
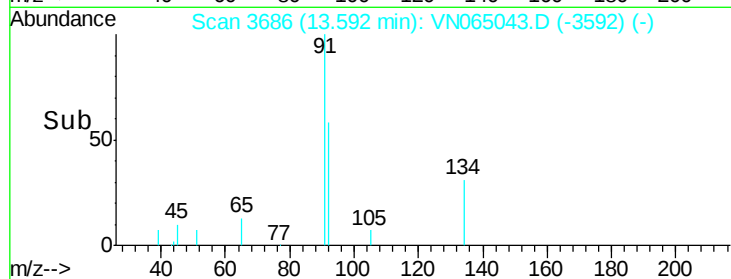
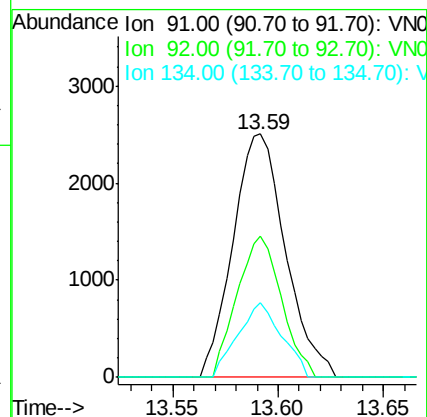
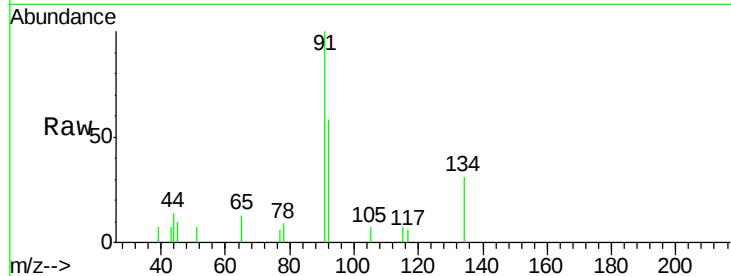
Tot Ion: 91 Resp: 4334

Ion Ratio Lower Upper

91 100

92 49.1 25.9 77.8

134 25.5 13.2 39.6



#90

Hexachloroethane

Concen: 0.407 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN065043.D

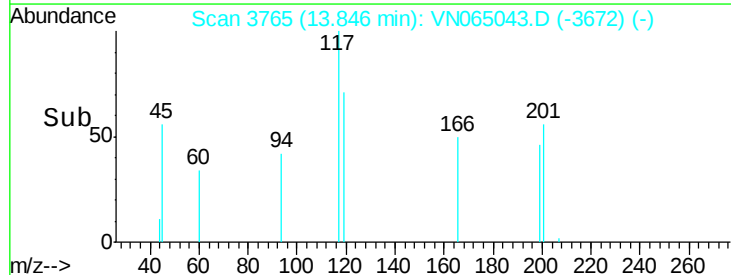
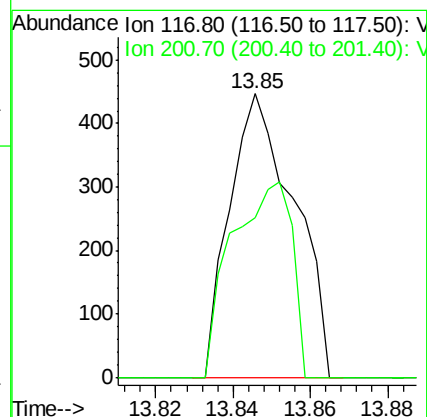
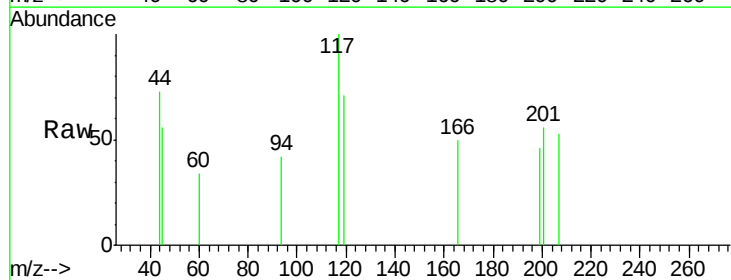
Acq: 10 Dec 2020 12:23

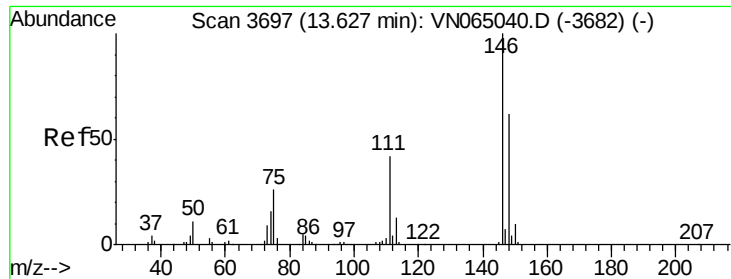
Tgt Ion: 117 Resp: 517

Ion Ratio Lower Upper

117 100

201 64.2 39.5 118.3

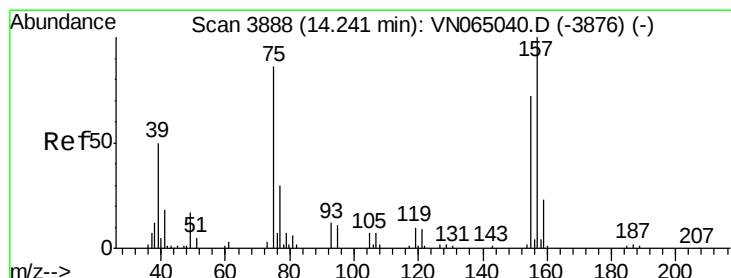
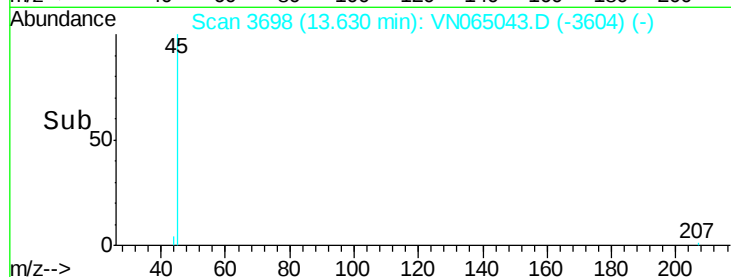
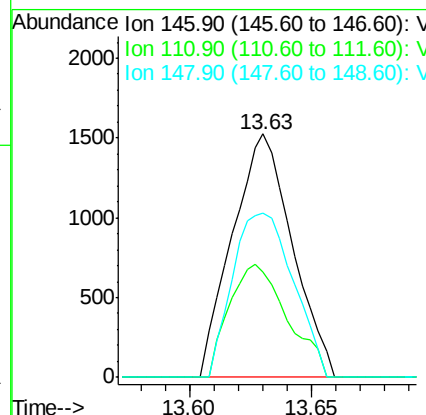
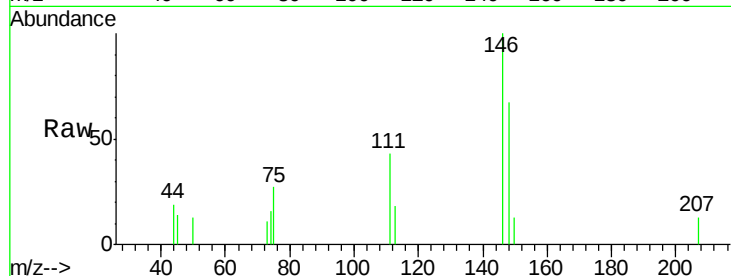




#91
 1,2-Dichlorobenzene
 Concen: 0.655 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

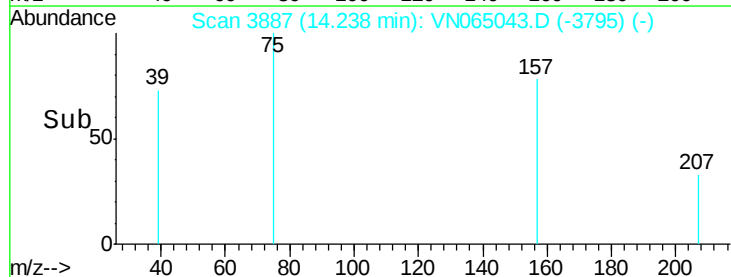
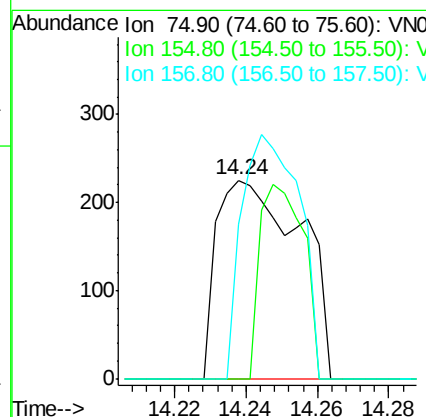
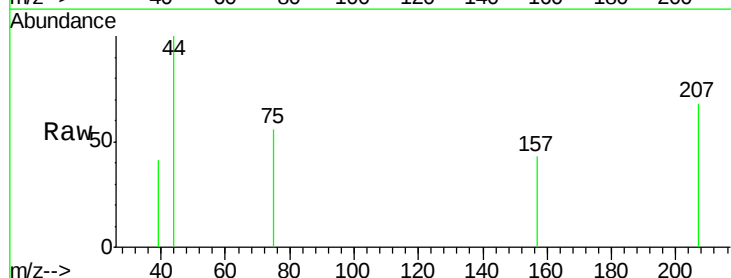
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

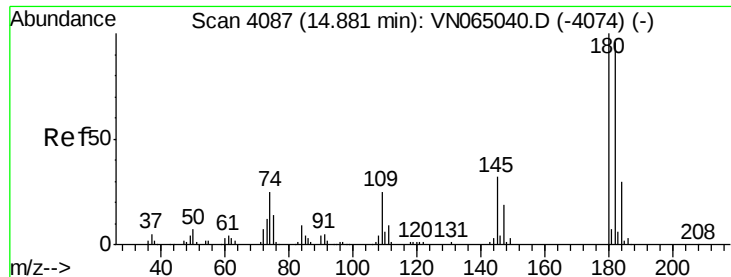
Tot Ion:146 Resp: 2592
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.1 63.1
 148 68.6 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.727 ug/l
 RT: 14.24 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion: 75 Resp: 364
 Ion Ratio Lower Upper
 75 100
 155 51.1 43.8 131.4
 157 84.6 58.1 174.3

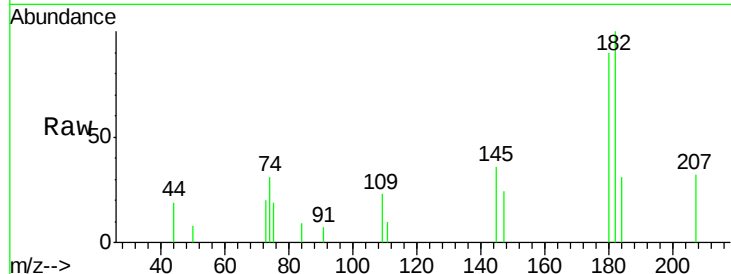




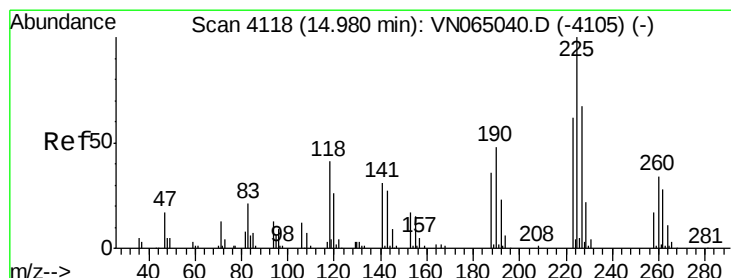
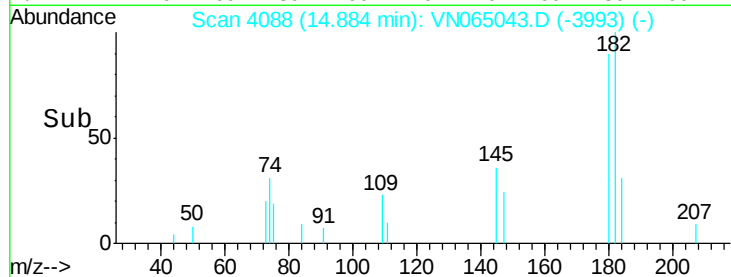
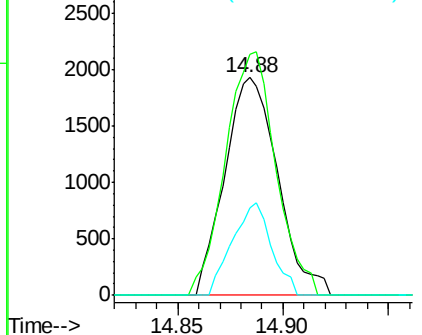
#93
 1,2,4-Trichlorobenzene
 Concen: 6.680 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

Tot Ion:180 Resp: 3370
 Ion Ratio Lower Upper
 180 100
 182 105.9 47.0 141.2
 145 31.3 15.4 46.4

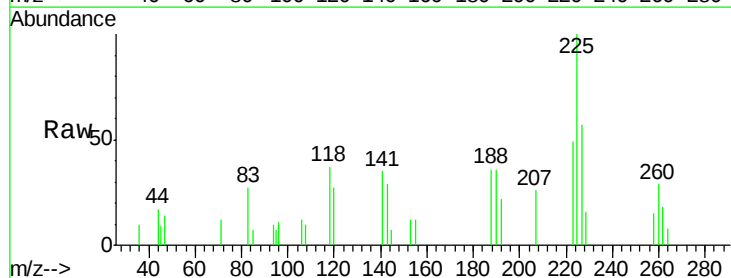


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

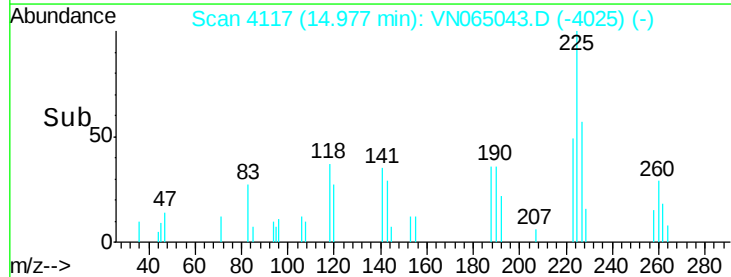
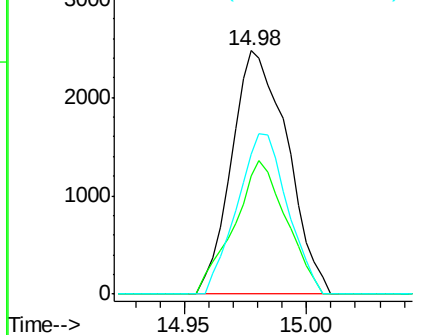


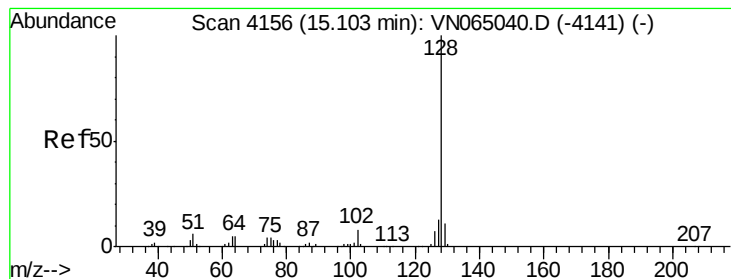
#94
 Hexachlorobutadiene
 Concen: 3.592 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN065043.D
 Acq: 10 Dec 2020 12:23

Tgt Ion:225 Resp: 3923
 Ion Ratio Lower Upper
 225 100
 223 51.3 31.4 94.0
 227 59.4 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 7.840 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

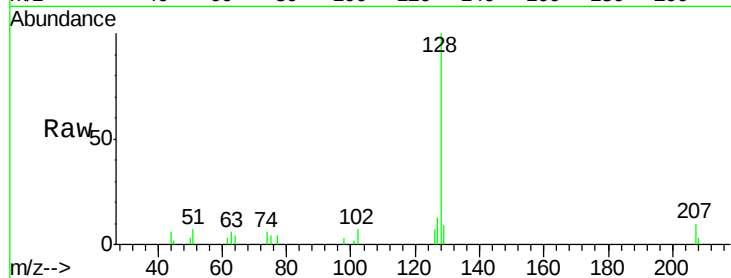
Tot Ion:128 Resp: 11746

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

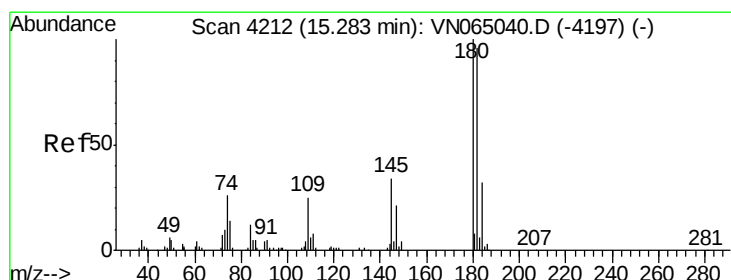
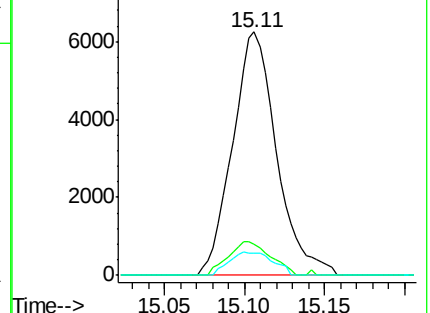
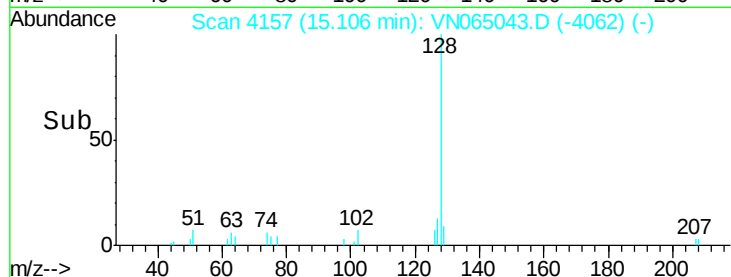
129 9.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 7.134 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN065043.D

Acq: 10 Dec 2020 12:23

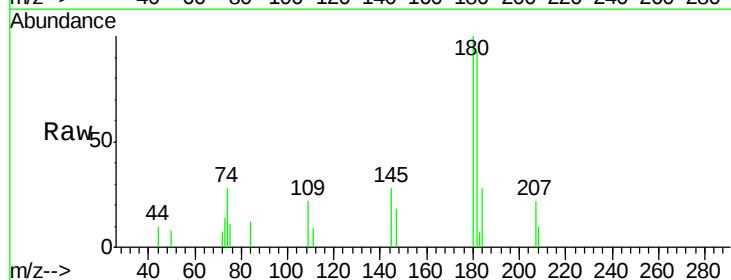
Tgt Ion:180 Resp: 4506

Ion Ratio Lower Upper

180 100

182 90.8 48.3 144.9

145 29.7 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

