

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064309.D
 Acq On : 26 Oct 2020 17:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 27 02:35:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47723	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	271379	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	237478	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130828	30.47	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.38	95	122164	28.76	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.87%
63) Toluene-d8	10.06	98	323765	30.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	1720	0.441 ug/l	70
4) Vinyl Chloride	2.16	62	981	0.276 ug/l	99
7) Trichlorofluoromethane	2.98	101	1284	0.234 ug/l #	70
10) 1,1-Dichloroethene	3.70	96	762	0.284 ug/l #	38
11) Methyl Iodide	3.90	142	1311	0.341 ug/l #	43
13) Acrolein	3.56	56	126	0.594 ug/l #	1
16) Carbon Disulfide	4.01	76	10590	1.330 ug/l #	83
18) Methylene Chloride	4.51	84	718	0.235 ug/l #	82
22) cis-1,2-Dichloroethene	6.78	96	687	0.205 ug/l #	8
23) tert-Butyl Alcohol	4.73	59	161	0.253 ug/l #	100
29) 1,1-Dichloropropene	7.76	75	2316	0.496 ug/l	77
30) 2-Butanone	6.78	43	991	0.450 ug/l #	69
37) Trichloroethene	8.80	130	1876	0.549 ug/l #	45
38) Methylcyclohexane	9.05	83	2171	0.481 ug/l #	71
40) Dibromomethane	9.17	93	623	0.265 ug/l	47
45) 1,4-Dioxane	9.17	88	232	3.649 ug/l #	14
48) t-1,3-Dichloropropene	10.36	75	1705	0.298 ug/l #	87
56) Bromoform	12.10	173	567	0.205 ug/l #	63
58) 4-Methyl-2-Pentanone	9.95	43	3062	0.697 ug/l #	73
59) 2-Hexanone	10.72	43	3240	0.987 ug/l #	71
61) Tetrachloroethene	10.60	164	1929	0.609 ug/l	93
62) Toluene	10.12	91	3452	0.264 ug/l	85
64) Chlorobenzene	11.40	112	2768	0.339 ug/l	91
66) Ethyl Benzene	11.49	91	4585	0.307 ug/l #	70
67) m/p-Xylenes	11.59	106	3705	0.675 ug/l	88
68) o-Xylene	11.92	106	1620	0.300 ug/l	81
69) Styrene	11.94	104	2714	0.302 ug/l #	84
70) Isopropylbenzene	12.22	105	4915	0.343 ug/l	87
73) Bromobenzene	12.50	156	885	0.252 ug/l	6
74) n-propylbenzene	12.57	91	7672	0.470 ug/l	94
75) 2-Chlorotoluene	12.65	91	4474	0.443 ug/l	86
76) 1,3,5-Trimethylbenzene	12.71	105	4661	0.385 ug/l	95
78) 4-Chlorotoluene	12.75	91	5864	0.555 ug/l	98
79) tert-butylbenzene	12.96	119	3886	0.389 ug/l	88
80) 1,2,4-Trimethylbenzene	13.01	105	4572	0.374 ug/l	90
81) sec-Butylbenzene	13.15	105	6433	0.497 ug/l	92
82) p-Isopropyltoluene	13.26	119	6691	0.564 ug/l	95

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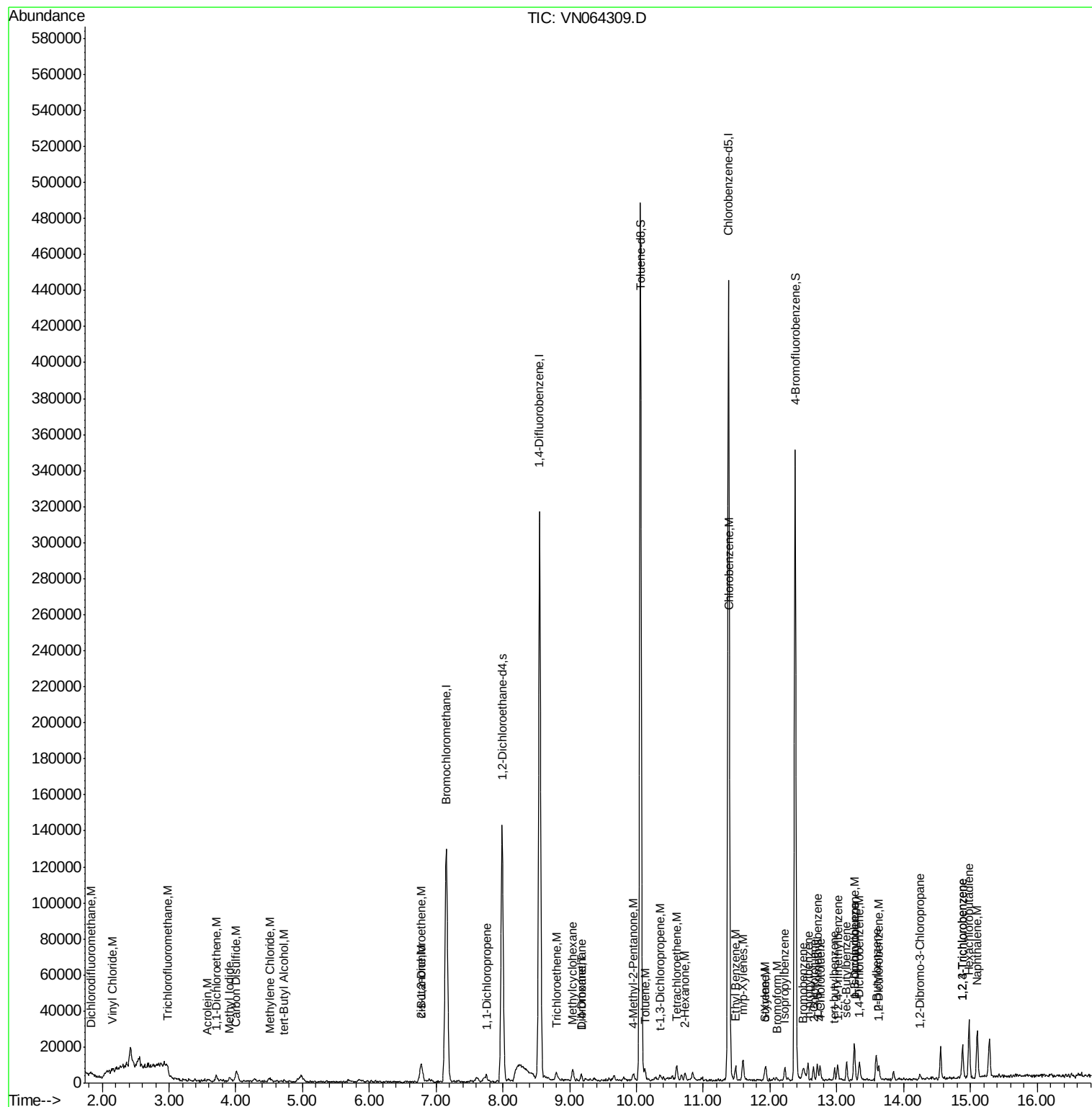
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	13.26	146	3914	0.642	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	4539	0.741	ug/l	98
85) n-Butylbenzene	13.59	91	8292	0.802	ug/l	92
87) 1,2-Dichlorobenzene	13.62	146	3363	0.560	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	821	0.796	ug/l #	74
89) 1,2,4-Trichlorobenzene	14.88	180	6166	1.813	ug/l	93
90) Hexachlorobutadiene	14.98	225	5471	2.989	ug/l	90
91) Naphthalene	15.10	128	22467	2.188	ug/l #	95
92) 1,2,3-Trichlorobenzene	14.88	180	6166	1.877	ug/l	93

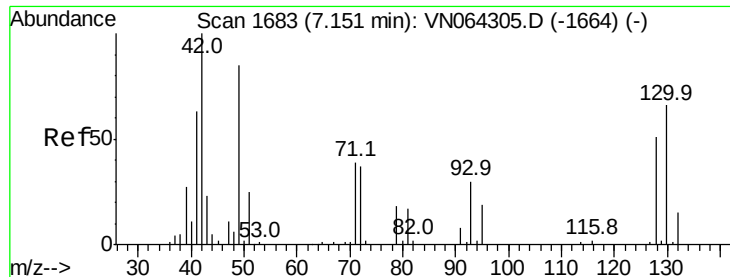
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 26 17:44:53 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

IBLK

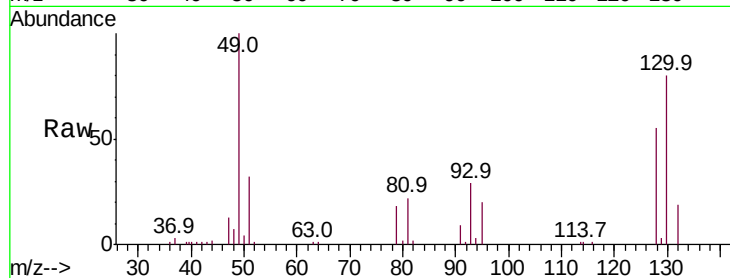
Tot Ion:128 Resp: 47723

Ion Ratio Lower Upper

128 100

49 172.3 0.0 439.5

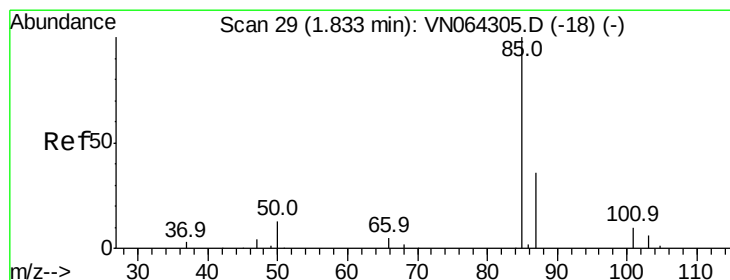
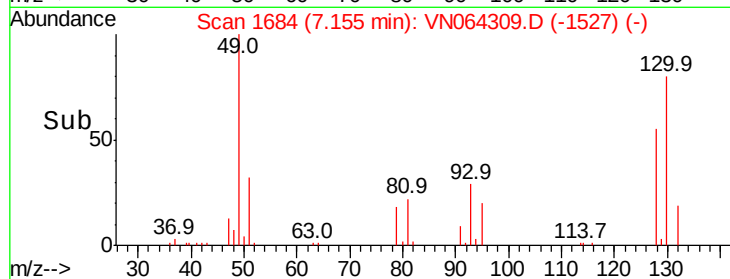
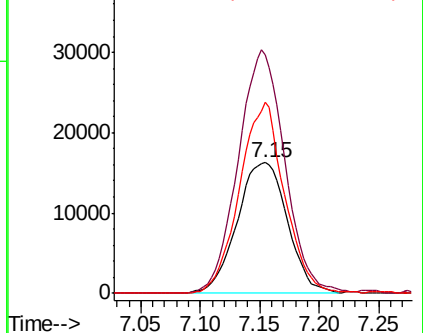
130 130.3 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.441 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064309.D

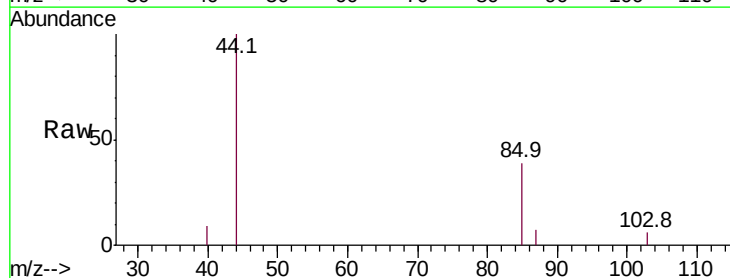
Acq: 26 Oct 2020 17:53

Tgt Ion: 85 Resp: 1720

Ion Ratio Lower Upper

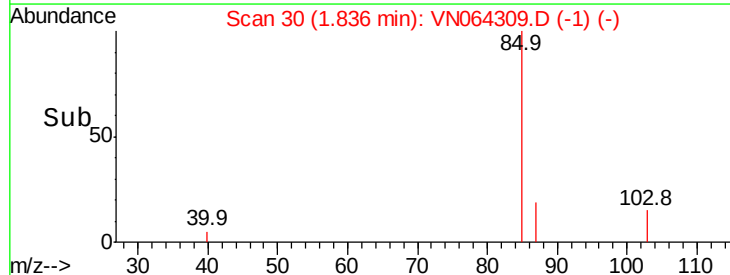
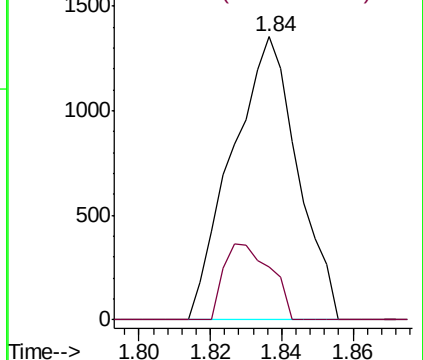
85 100

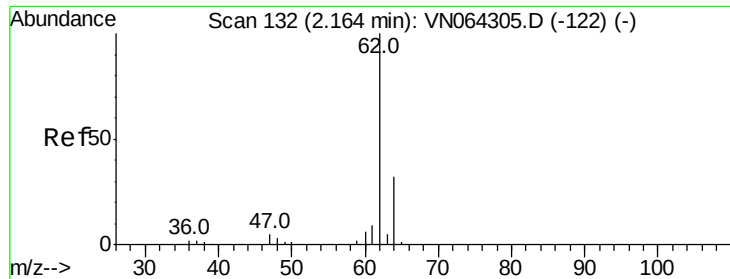
87 18.8 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#4

Vinyl Chloride

Concen: 0.276 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

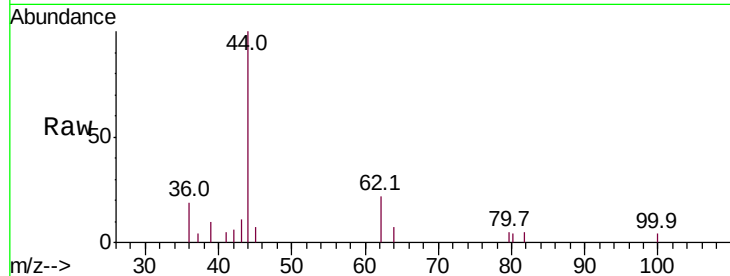
IBLK

Tot Ion: 62 Resp: 981

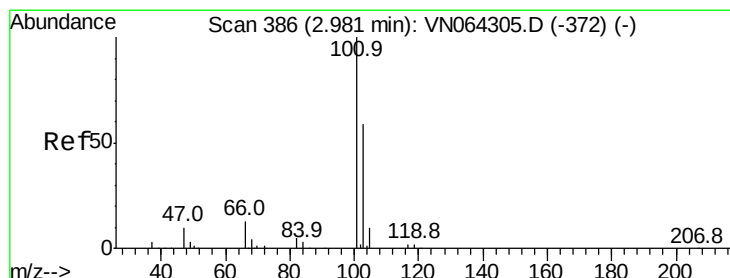
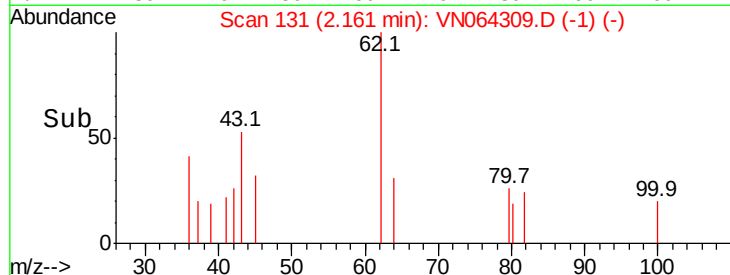
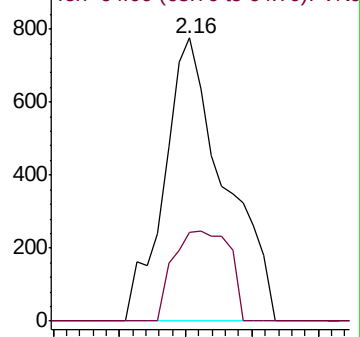
Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VN064305.D (-122) (-)



#7

Trichlorofluoromethane

Concen: 0.234 ug/l

RT: 2.98 min Scan# 387

Delta R.T. 0.00 min

Lab File: VN064309.D

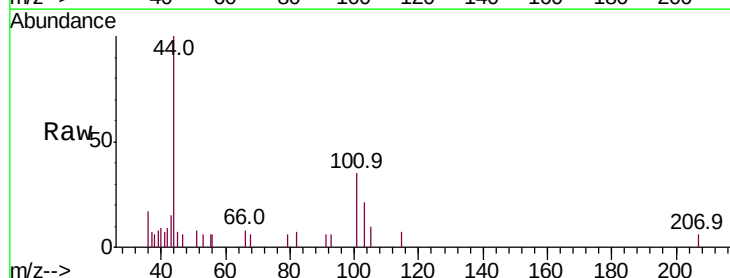
Acq: 26 Oct 2020 17:53

Tgt Ion: 101 Resp: 1284

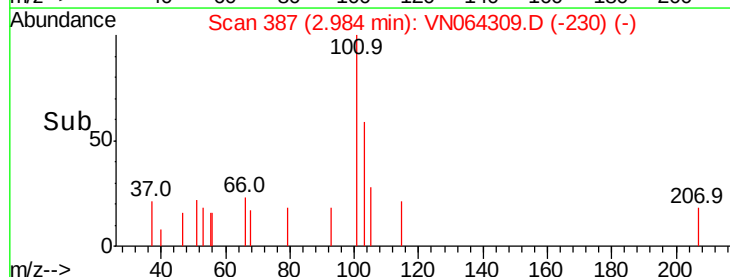
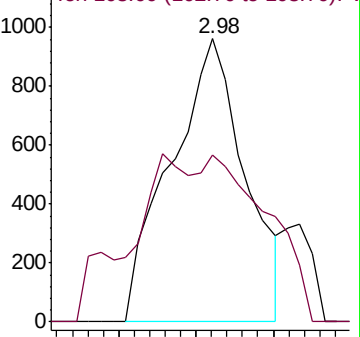
Ion Ratio Lower Upper

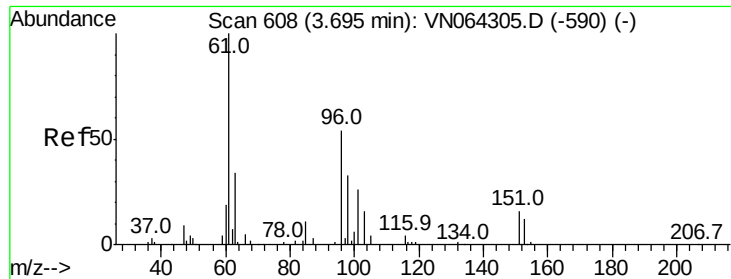
101 100

103 36.2 47.1 70.7#



Abundance Ion 101.00 (100.70 to 101.70): VN064305.D (-372) (-)

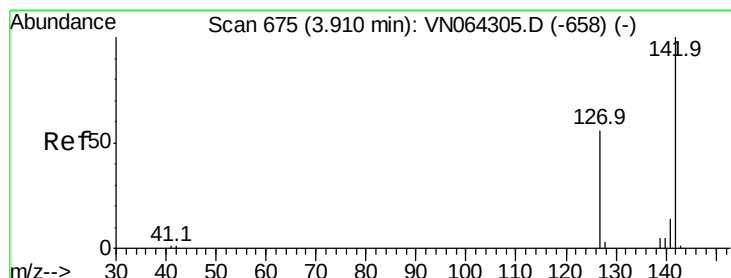
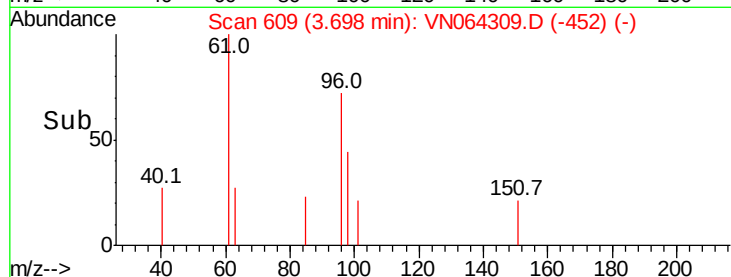
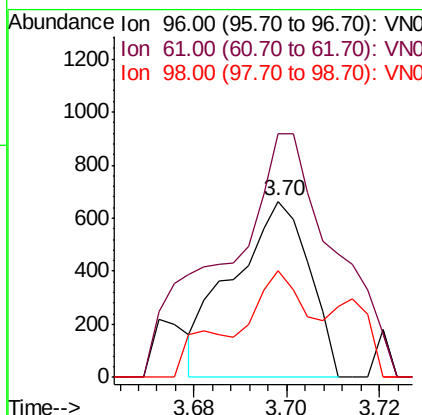
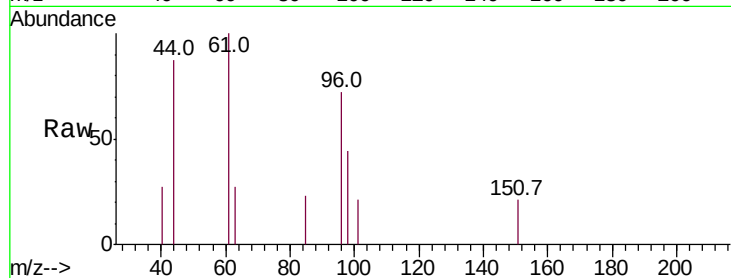




#10
 1,1-Dichloroethene
 Concen: 0.284 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

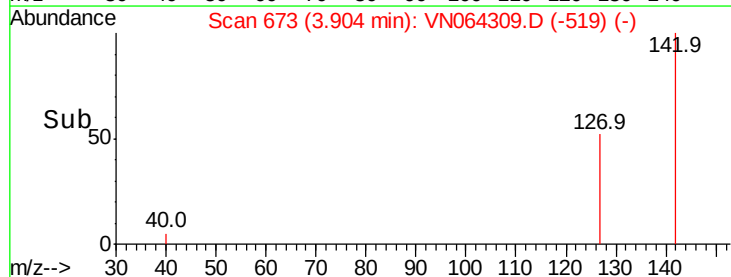
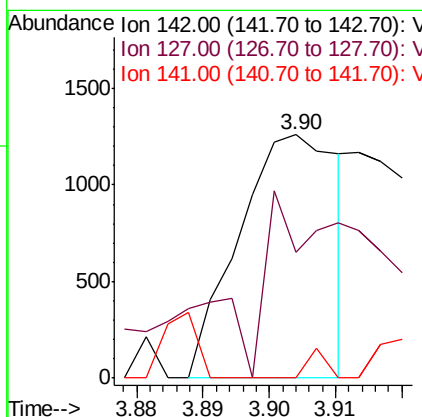
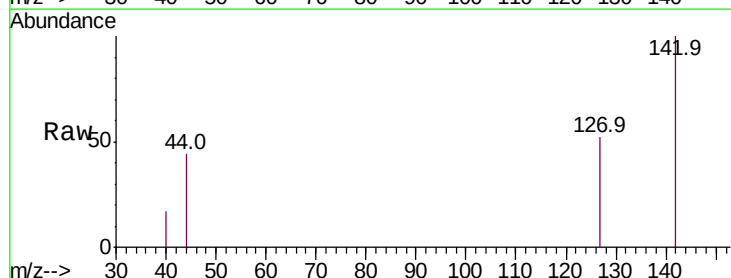
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

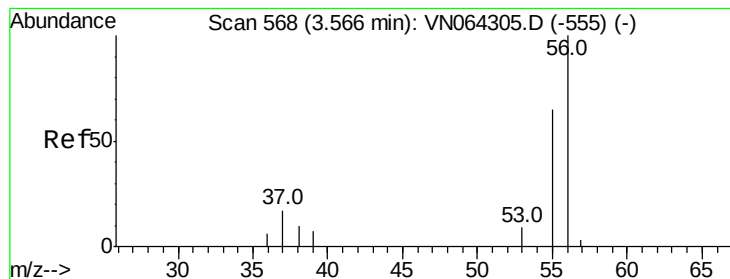
Tot Ion: 96 Resp: 762
 Ion Ratio Lower Upper
 96 100
 61 80.2 147.4 221.2#
 98 37.0 48.8 73.2#



#11
 Methyl Iodide
 Concen: 0.341 ug/l
 RT: 3.90 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 142 Resp: 1311
 Ion Ratio Lower Upper
 142 100
 127 10.1 27.9 83.7#
 141 0.0 7.1 21.3#





#13

Acrolein

Concen: 0.594 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

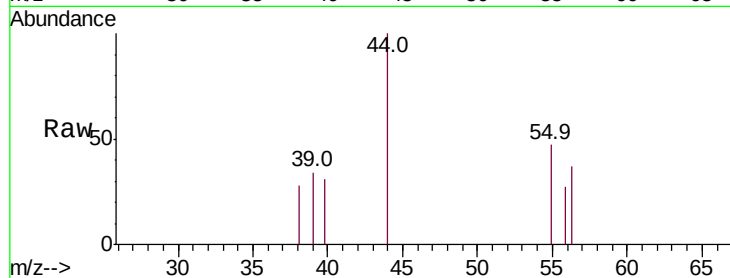
IBLK

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 201.6 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.56

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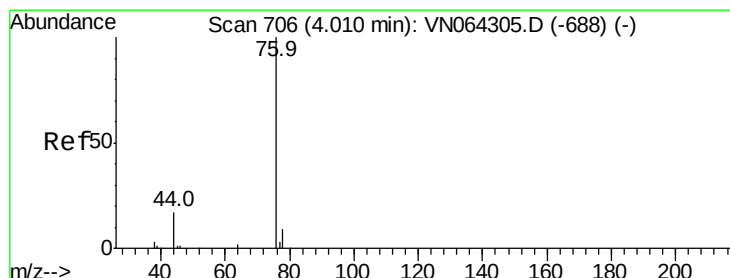
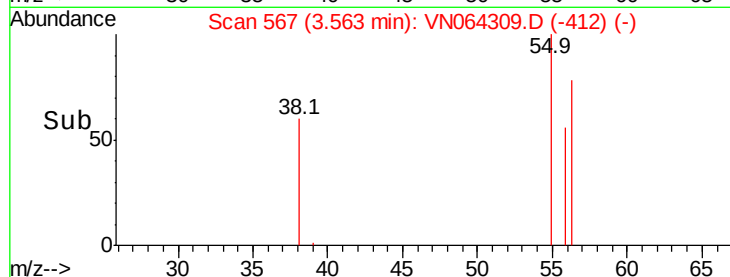
3.56

3.56

3.56

3.56

3.56



#16

Carbon Disulfide

Concen: 1.330 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064309.D

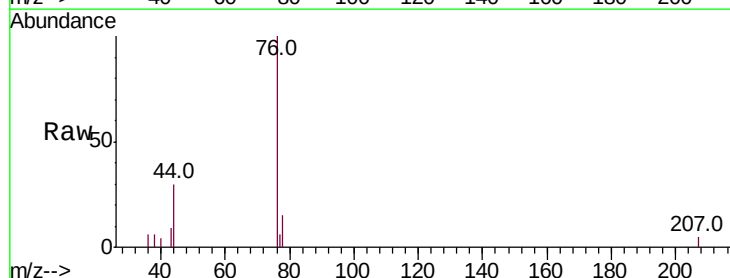
Acq: 26 Oct 2020 17:53

Tgt Ion: 76 Resp: 10590

Ion Ratio Lower Upper

76 100

78 15.0 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

4.01

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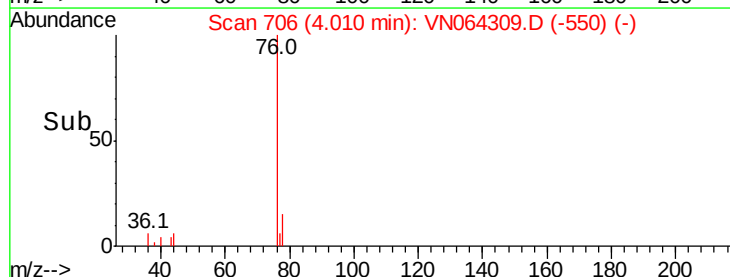
4.01

4.01

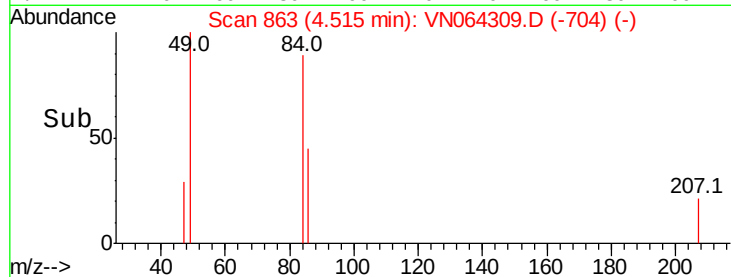
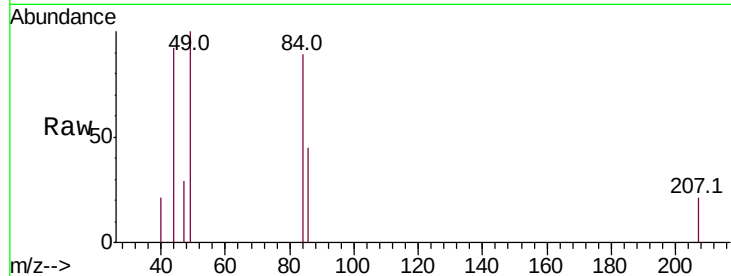
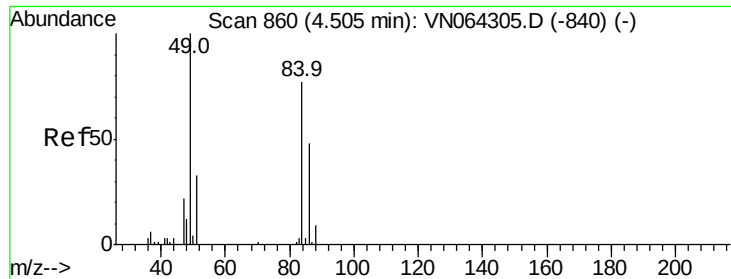
4.01

4.01

4.01



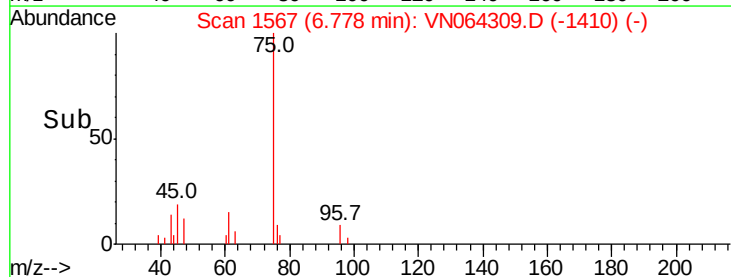
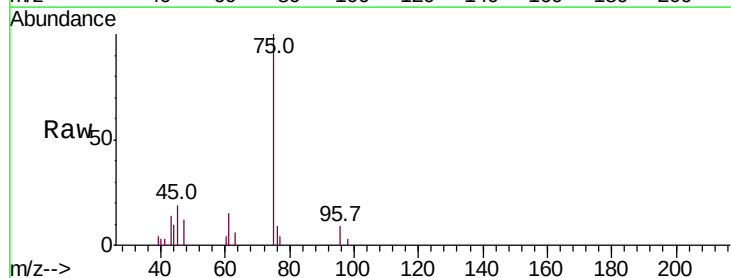
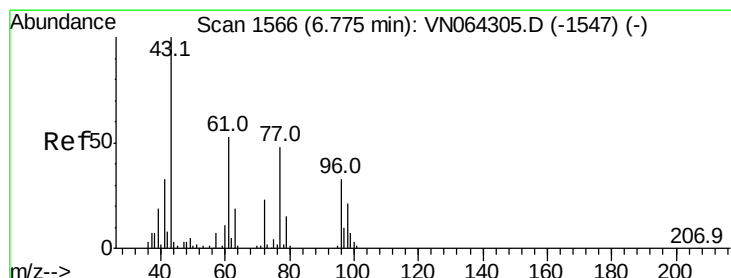
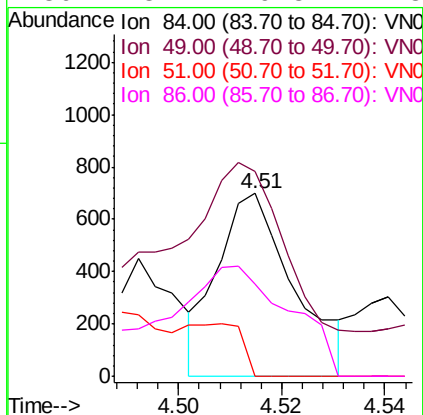
Time-->



#18
Methylene Chloride
Concen: 0.235 ug/l
RT: 4.51 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

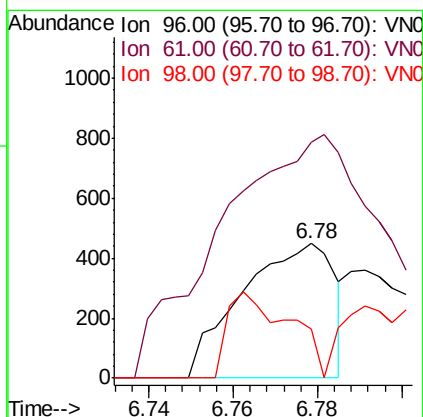
Instrument :
MSVOA_N
ClientSampled :
IBLK

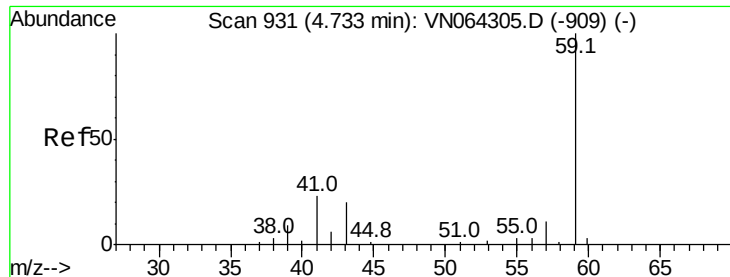
Tot Ion:	84	Resp:	718
Ion	Ratio	Lower	Upper
84	100		
49	124.8	103.1	154.7
51	0.0	33.8	50.8#
86	73.1	49.8	74.8



#22
cis-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion:	96	Resp:	687
Ion	Ratio	Lower	Upper
96	100		
61	314.8	133.0	199.6#
98	29.1	51.6	77.4#

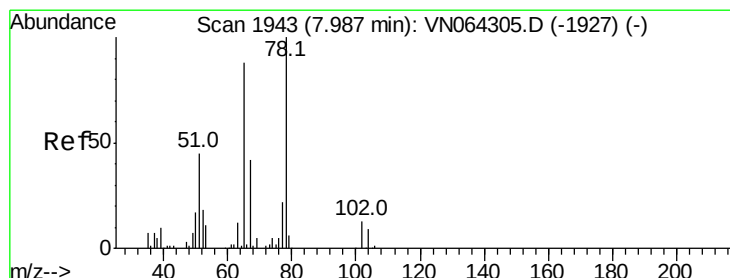
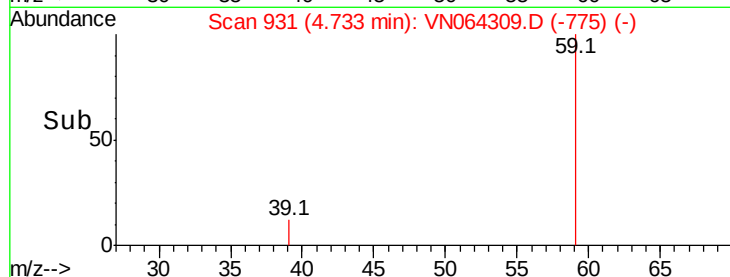
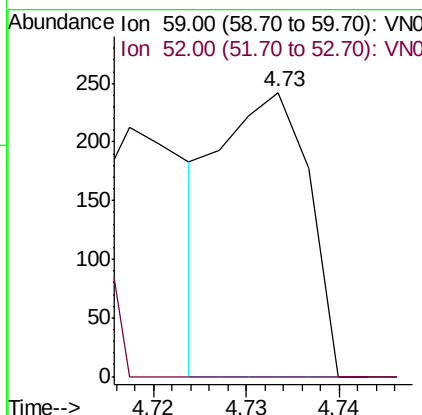
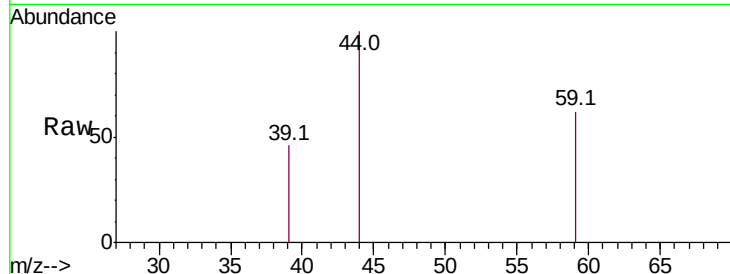




#23
 tert-Butyl Alcohol
 Concen: 0.253 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

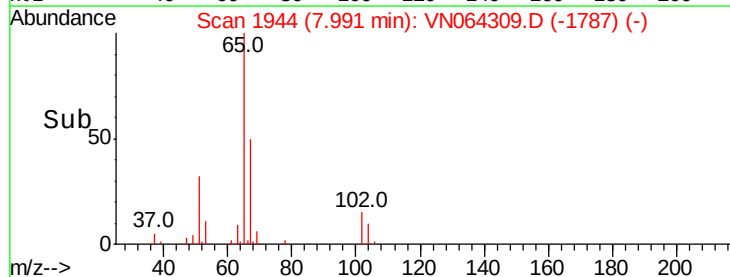
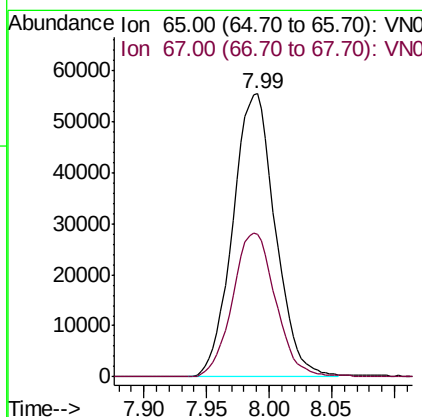
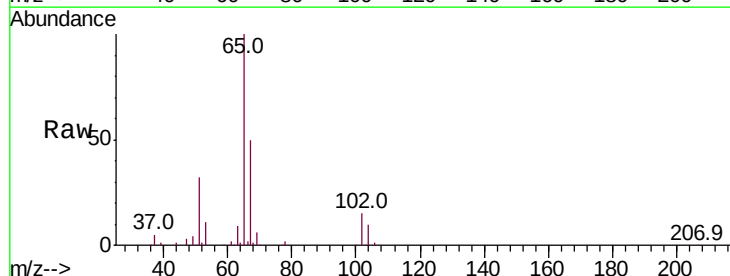
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

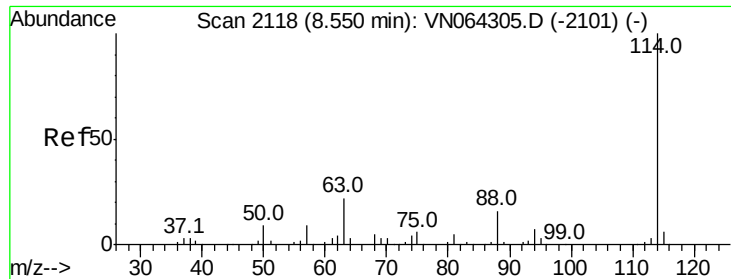
Tot Ion: 59 Resp: 161
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 30.471 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 65 Resp: 130828
 Ion Ratio Lower Upper
 65 100
 67 51.1 38.5 57.7

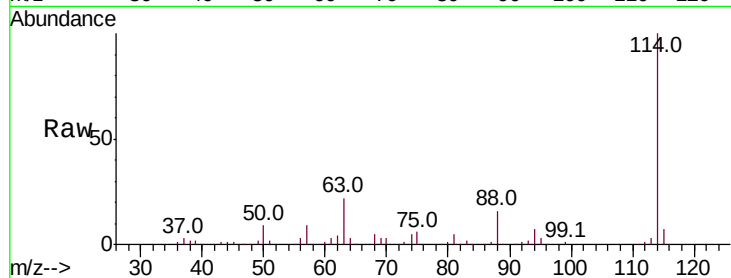




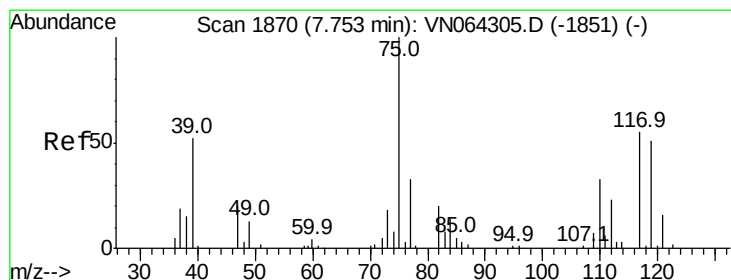
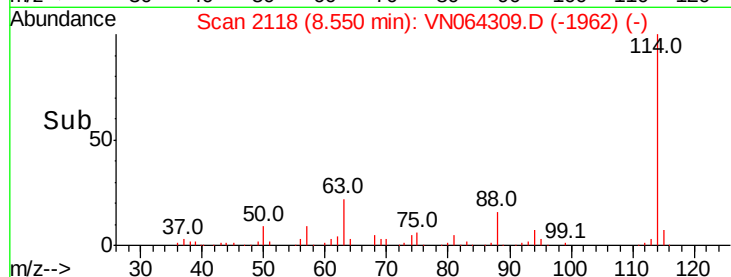
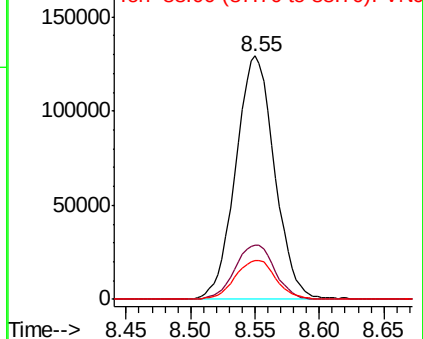
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion:114 Resp: 271379
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.3 27.5
 88 16.8 13.2 19.8

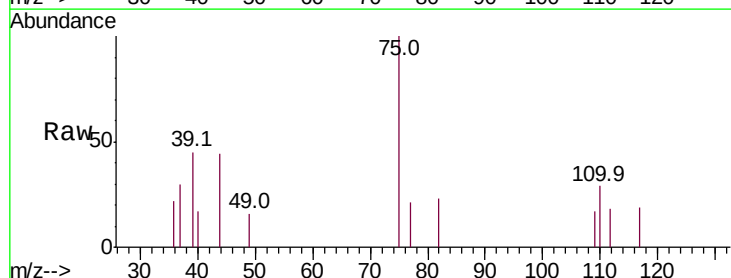


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

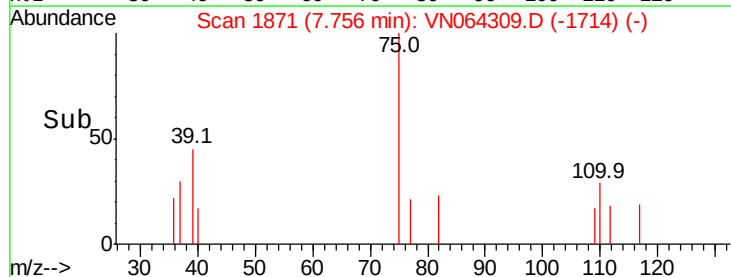
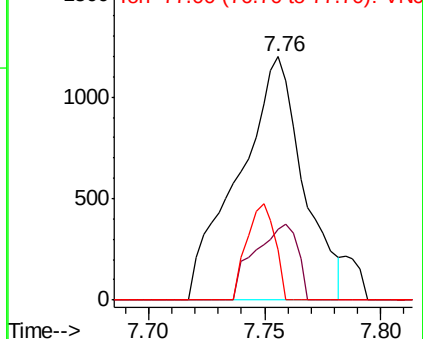


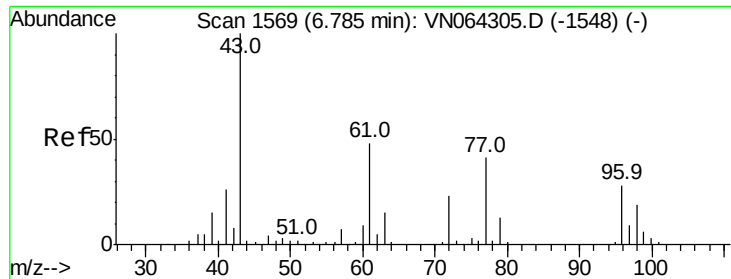
#29
 1,1-Dichloropropene
 Concen: 0.496 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 75 Resp: 2316
 Ion Ratio Lower Upper
 75 100
 110 20.6 0.0 64.4
 77 17.4 0.0 63.6



Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN

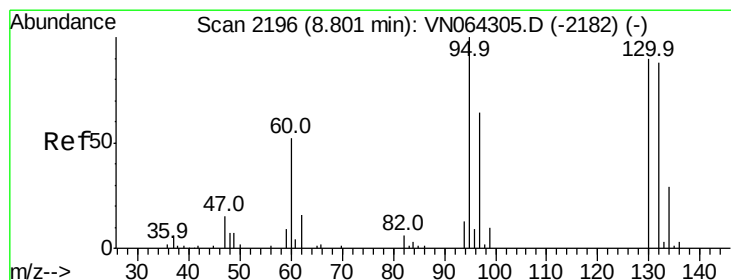
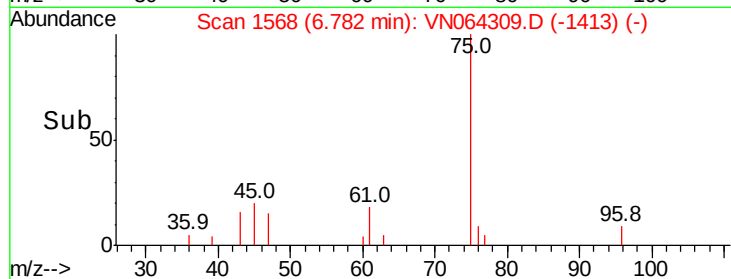
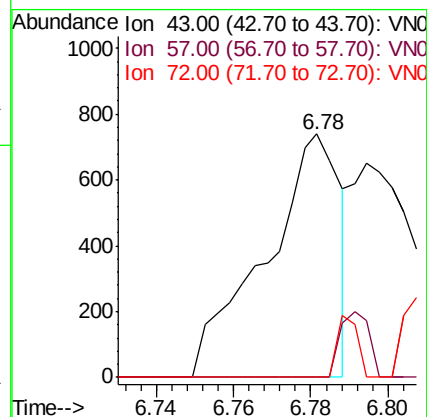
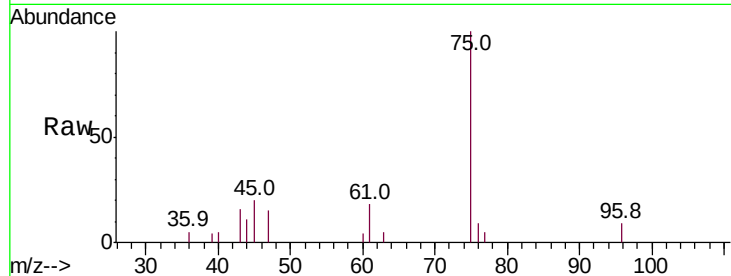




#30
2-Butanone
Concen: 0.450 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

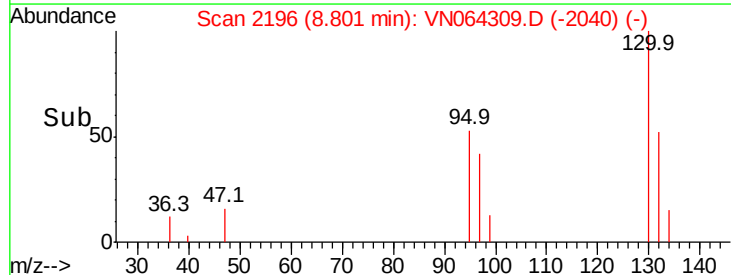
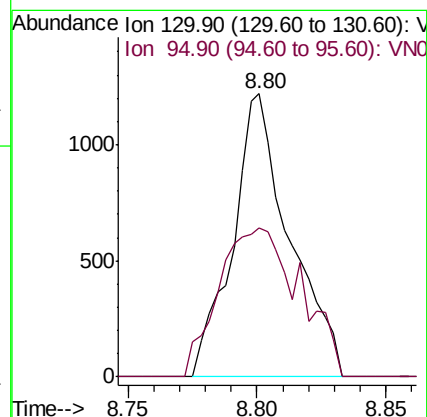
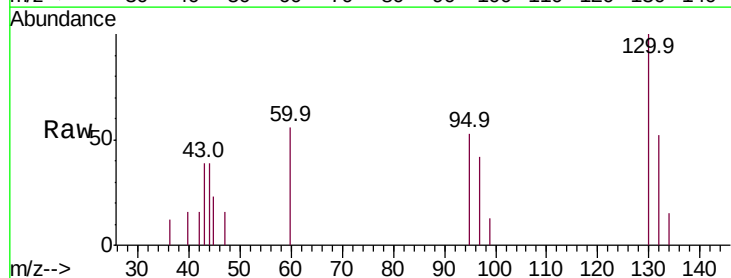
Instrument :
MSVOA_N
ClientSampleId :
IBLK

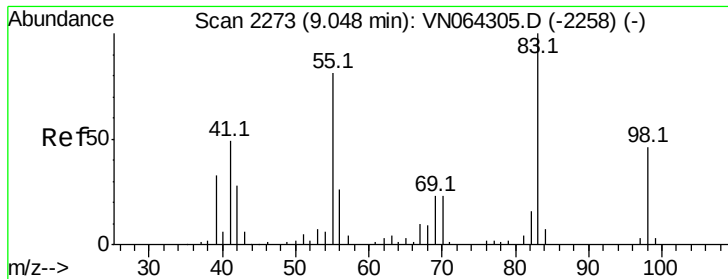
Tot Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
57 10.4 4.1 6.1#
72 6.8 19.0 28.6#



#37
Trichloroethene
Concen: 0.549 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion:130 Resp: 1876
Ion Ratio Lower Upper
130 100
95 52.6 88.8 133.2#

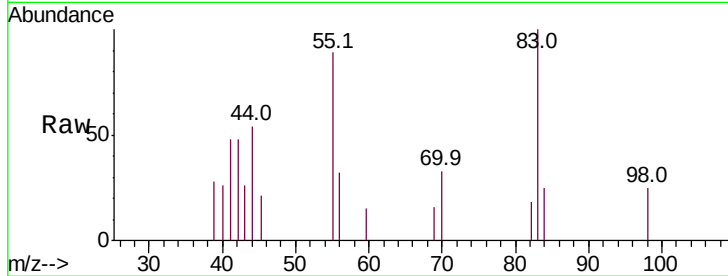




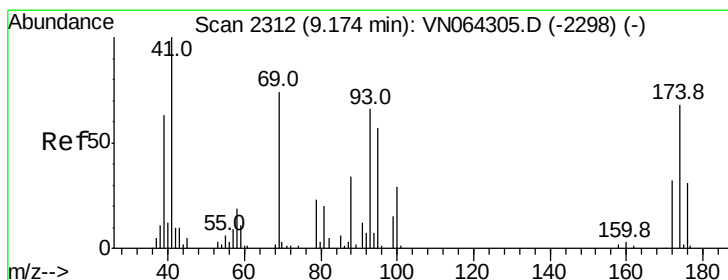
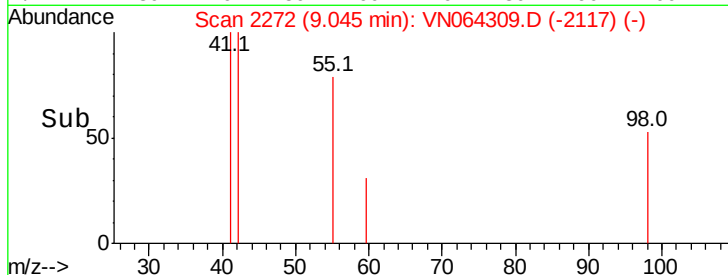
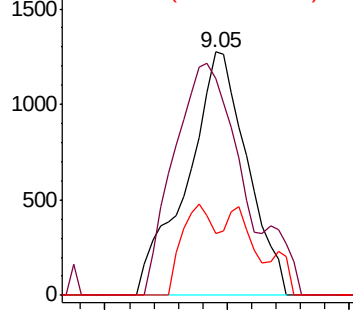
#38
Methvlcvclohexane
Concen: 0.481 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 83 Resp: 2171
Ion Ratio Lower Upper
83 100
55 101.4 40.3 120.8
98 19.9 22.8 68.3#

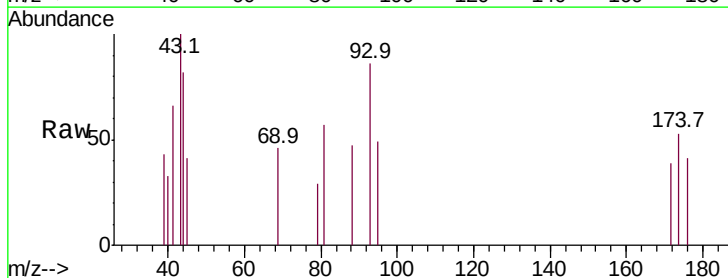


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

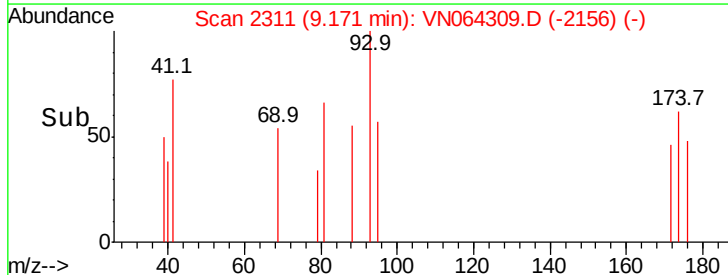
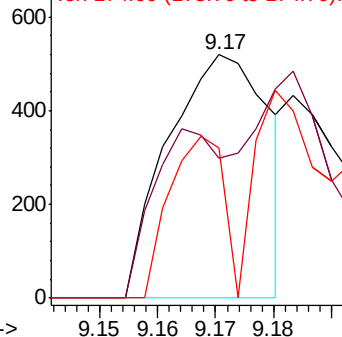


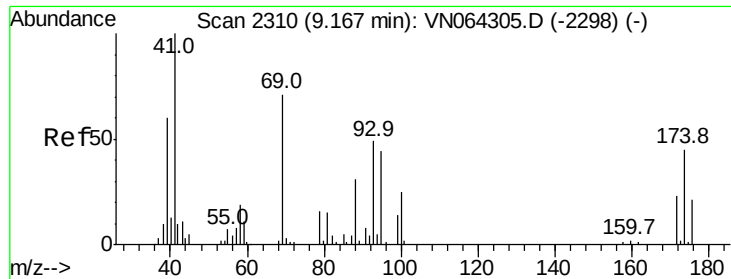
#40
Dibromomethane
Concen: 0.265 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion: 93 Resp: 623
Ion Ratio Lower Upper
93 100
95 45.7 0.0 174.4
174 35.6 0.0 188.0



Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

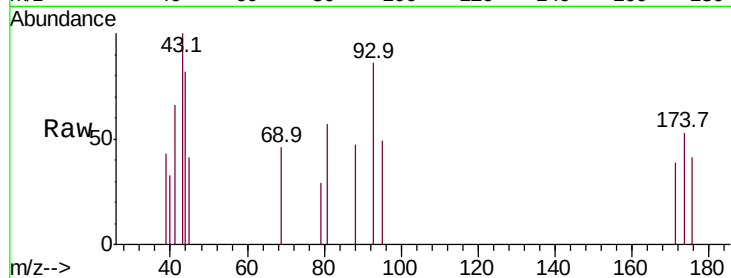




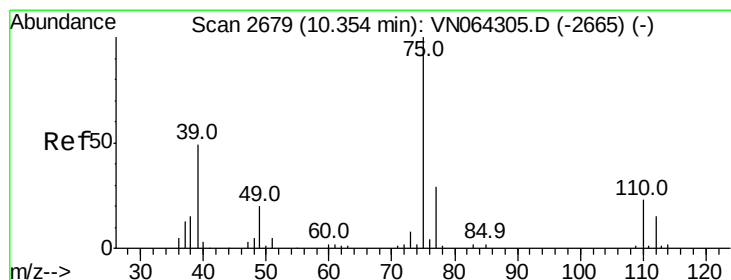
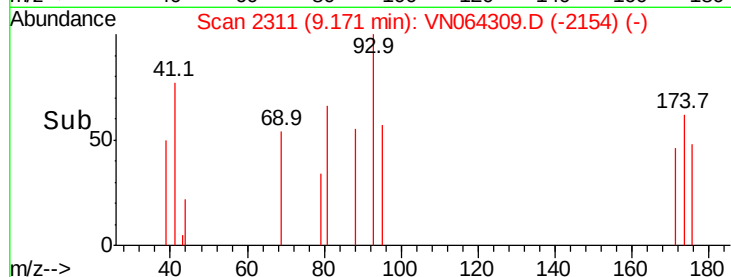
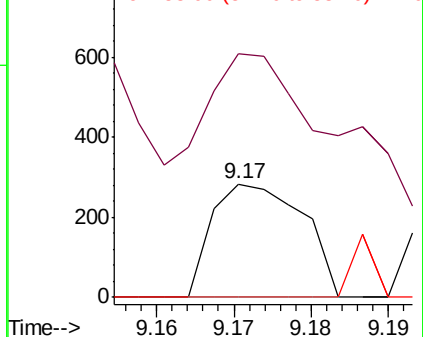
#45
 1,4-Dioxane
 Concen: 3.649 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

Tot Ion: 88 Resp: 232
 Ion Ratio Lower Upper
 88 100
 43 93.1 31.2 46.8#
 58 0.0 55.4 83.2#

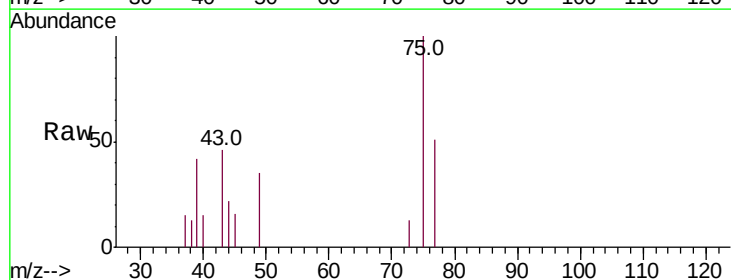


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

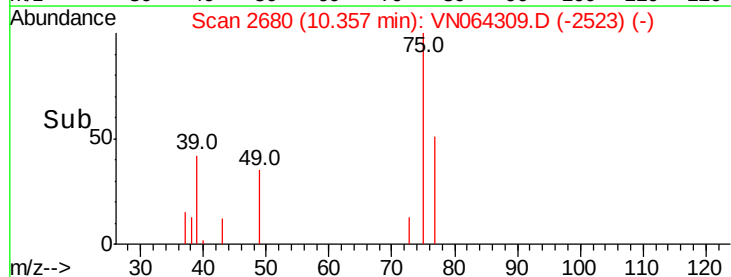
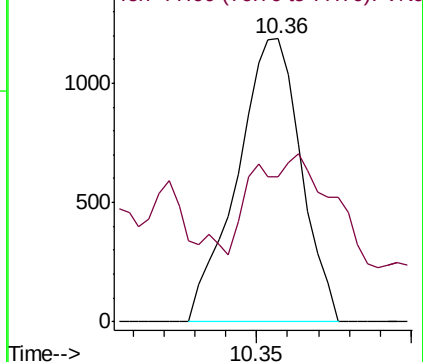


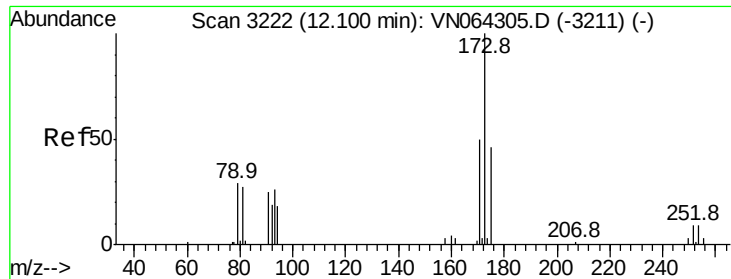
#48
 t-1,3-Dichloropropene
 Concen: 0.298 ug/l
 RT: 10.36 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 75 Resp: 1705
 Ion Ratio Lower Upper
 75 100
 77 22.4 23.7 35.5#



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#56

Bromoform

Concen: 0.205 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

IBLK

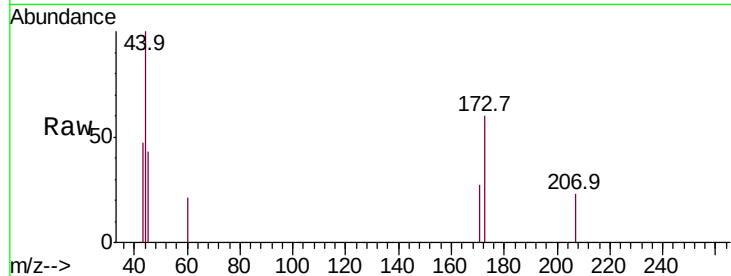
Tot Ion:173 Resp: 567

Ion Ratio Lower Upper

173 100

175 20.6 37.3 55.9#

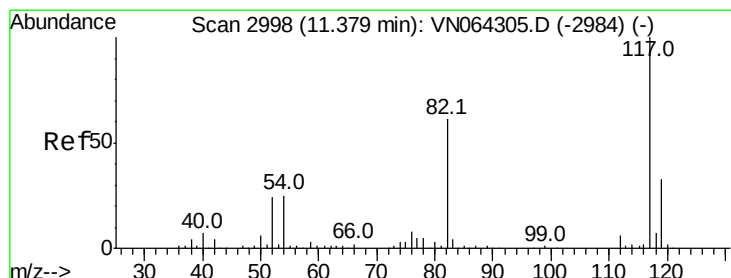
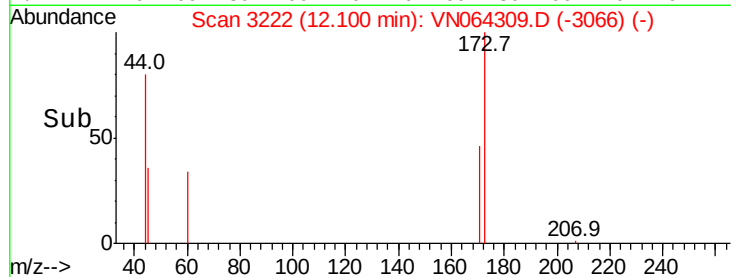
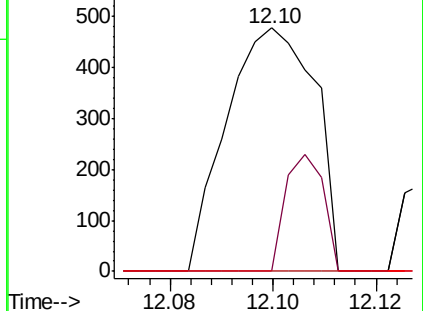
254 0.0 4.8 7.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

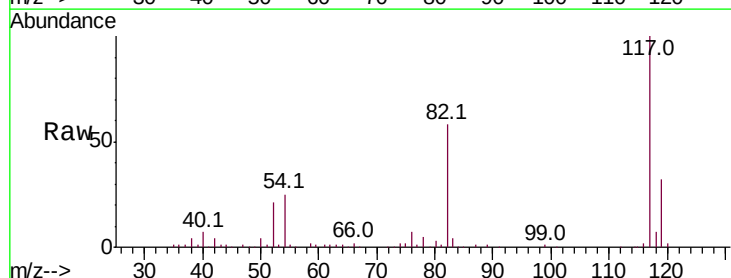
Tgt Ion:117 Resp: 237478

Ion Ratio Lower Upper

117 100

82 60.6 48.7 73.1

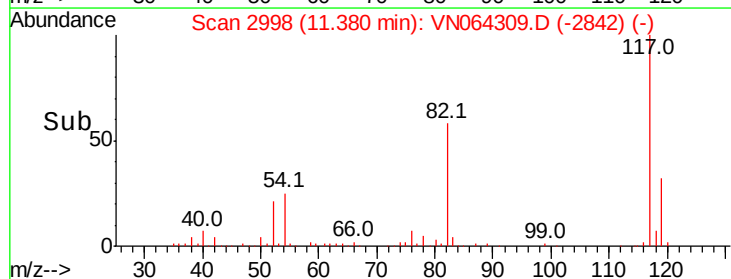
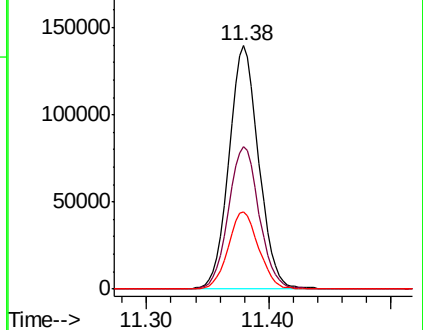
119 32.5 25.1 37.7

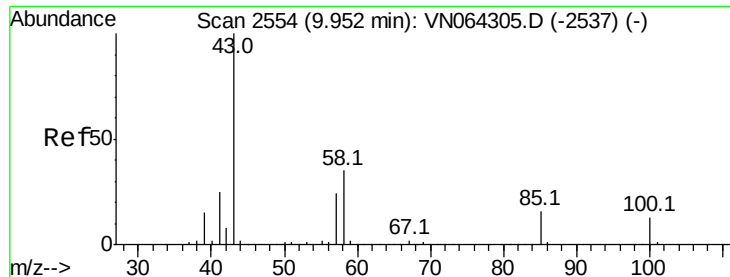


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

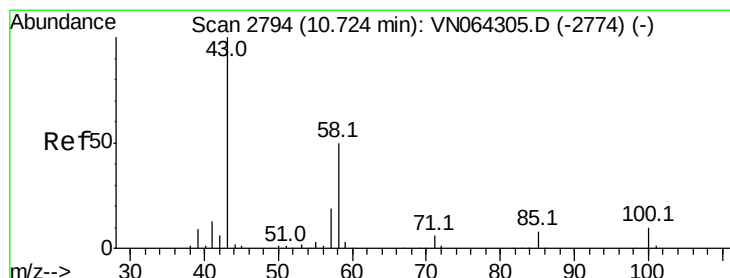
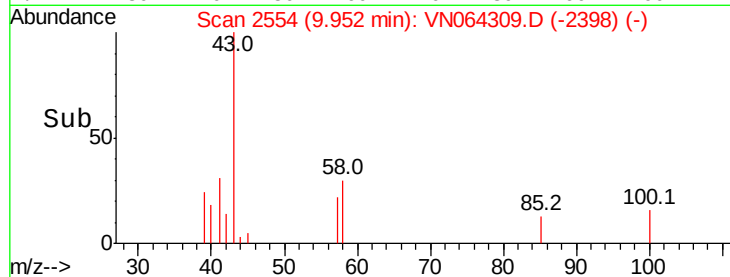
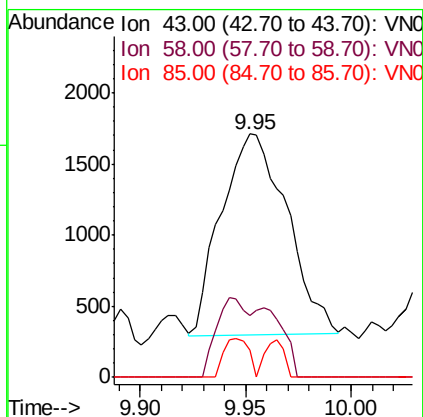
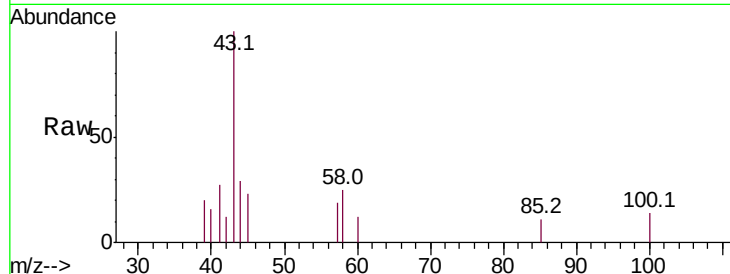




#58
4-Methyl-2-Pentanone
Concen: 0.697 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

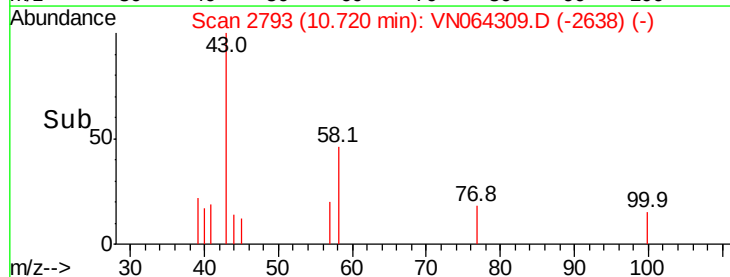
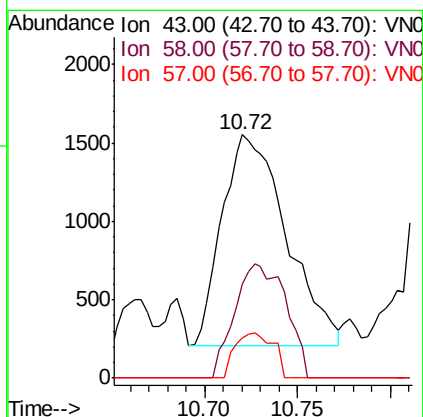
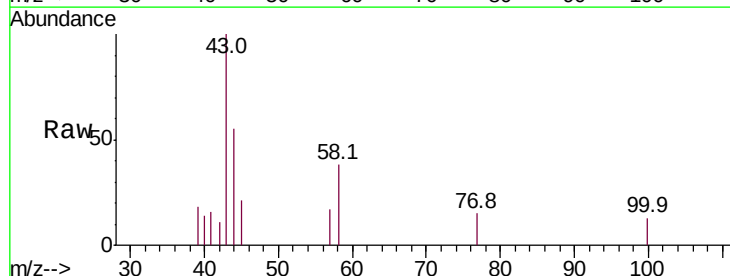
Instrument :
MSVOA_N
ClientSampled :
IBLK

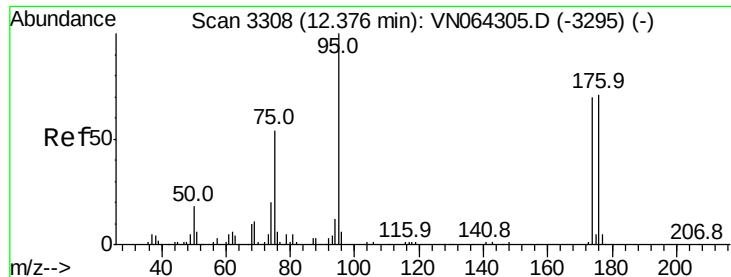
Tot Ion: 43 Resp: 3062
Ion Ratio Lower Upper
43 100
58 19.0 28.7 43.1#
85 7.3 13.4 20.2#



#59
2-Hexanone
Concen: 0.987 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion: 43 Resp: 3240
Ion Ratio Lower Upper
43 100
58 27.1 39.4 59.2#
57 10.2 14.8 22.2#





#60

4-Bromofluorobenzene

Concen: 28.756 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

IBLK

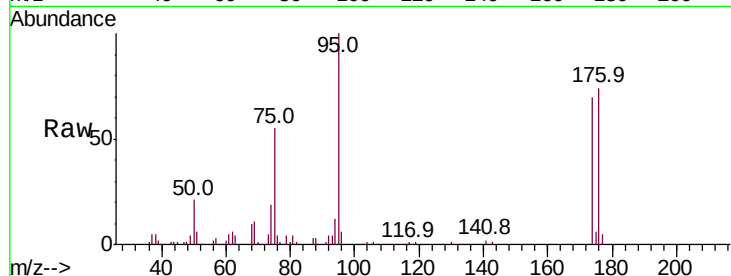
Tot Ion: 95 Resp: 122164

Ion Ratio Lower Upper

95 100

174 71.6 57.6 86.4

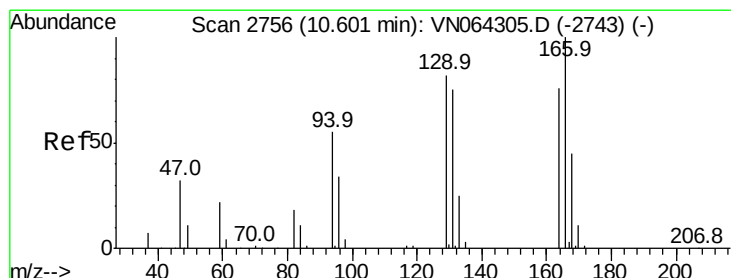
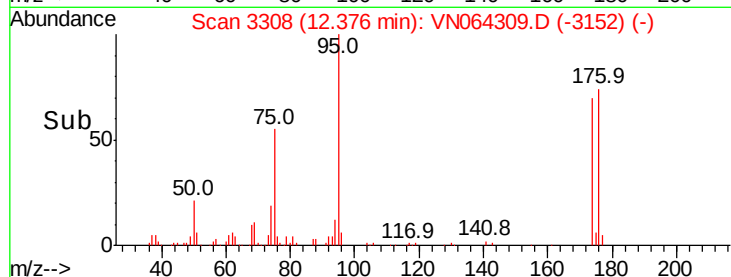
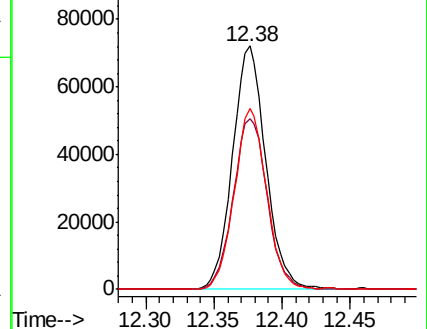
176 71.9 55.5 83.3



Abundance Ion 95.00 (94.70 to 95.70): VN064309.D (-3295) (-)

Ion 174.00 (173.70 to 174.70): VN064309.D (-3295) (-)

Ion 176.00 (175.70 to 176.70): VN064309.D (-3295) (-)



#61

Tetrachloroethene

Concen: 0.609 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Tgt Ion:164 Resp: 1929

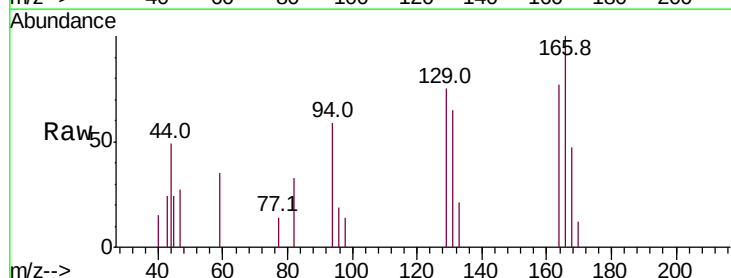
Ion Ratio Lower Upper

164 100

166 130.7 105.4 158.0

129 98.3 86.4 129.6

131 84.8 78.5 117.7

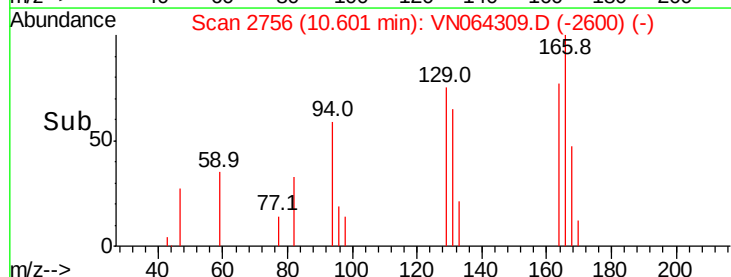
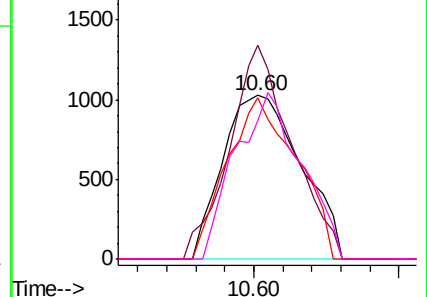


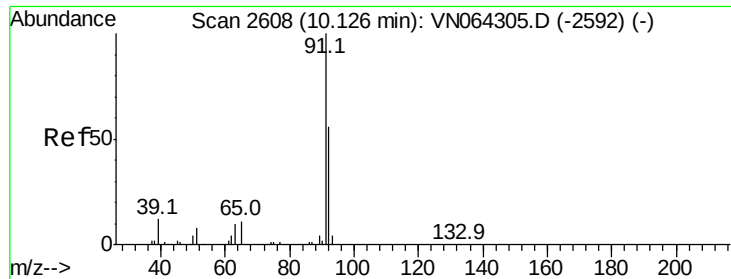
Abundance Ion 163.85 (163.55 to 164.55): VN064309.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN064309.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN064309.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN064309.D (-2600) (-)





#62

Toluene

Concen: 0.264 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

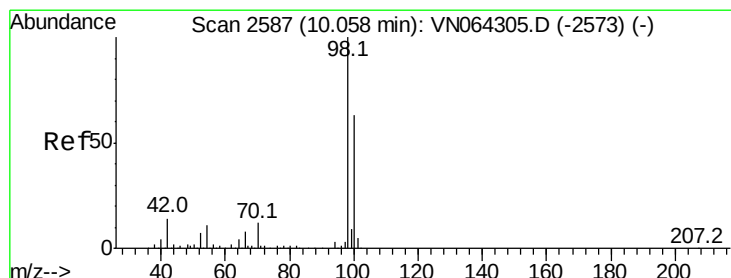
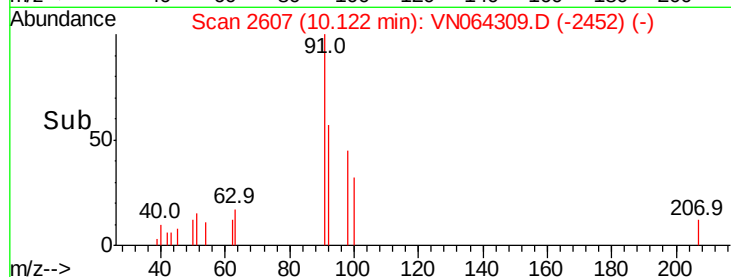
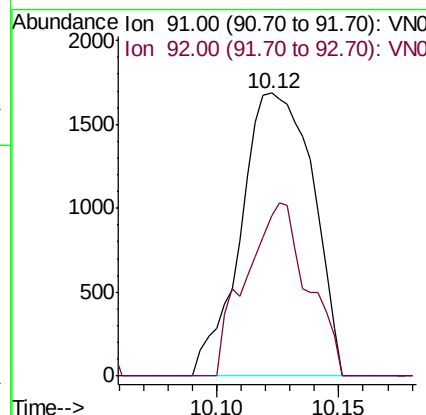
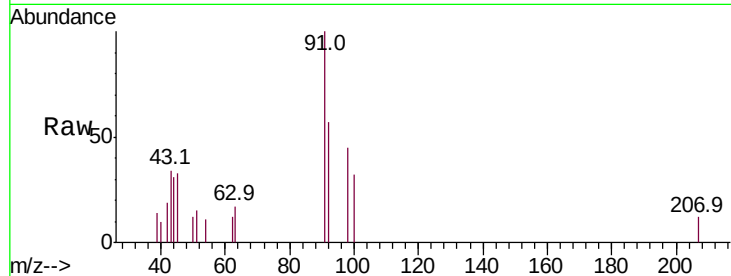
IBLK

Tot Ion: 91 Resp: 3452

Ion Ratio Lower Upper

91 100

92 46.3 45.8 68.6



#63

Toluene-d8

Concen: 30.571 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064309.D

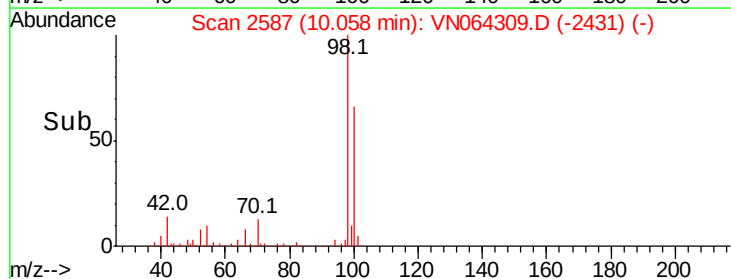
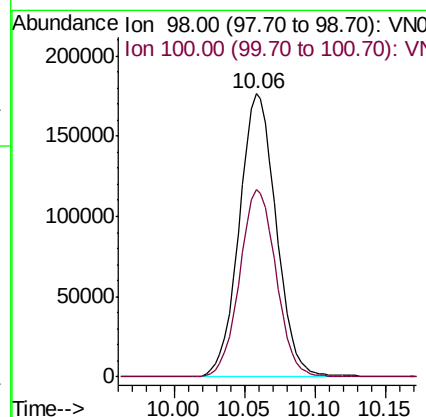
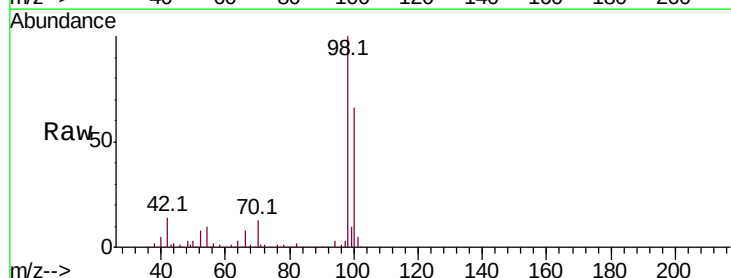
Acq: 26 Oct 2020 17:53

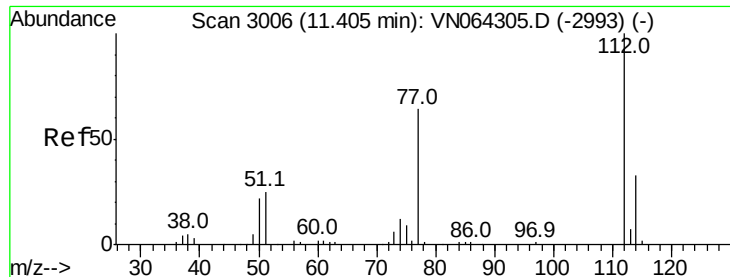
Tgt Ion: 98 Resp: 323765

Ion Ratio Lower Upper

98 100

100 65.4 50.6 75.8

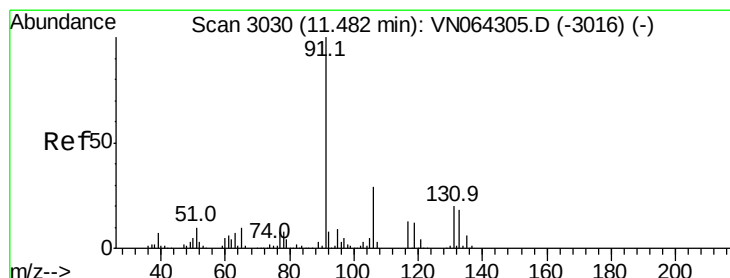
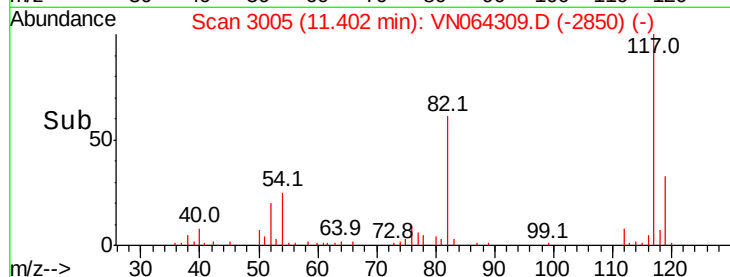
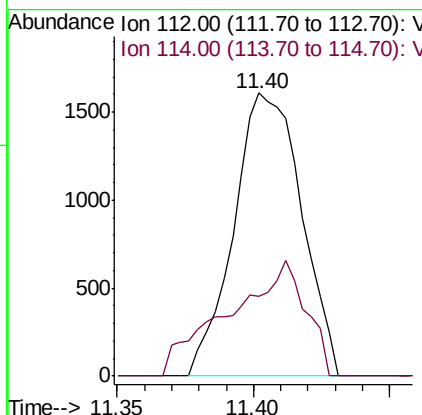
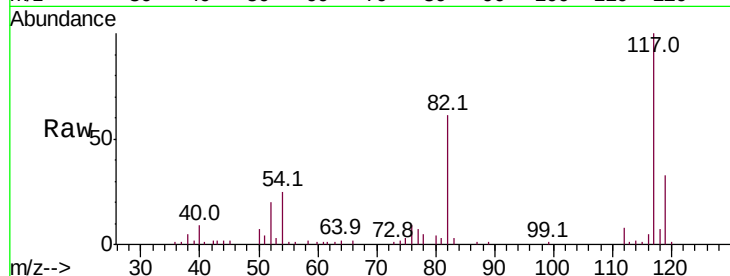




#64
Chlorobenzene
Concen: 0.339 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

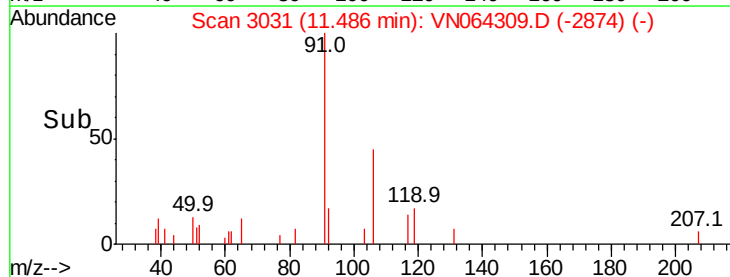
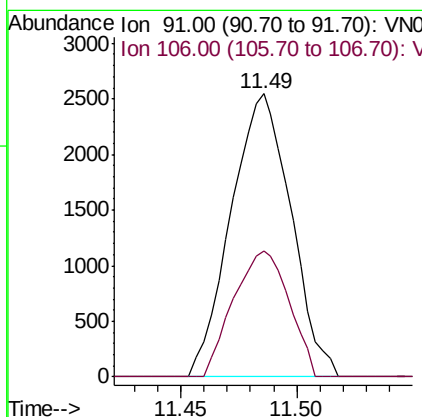
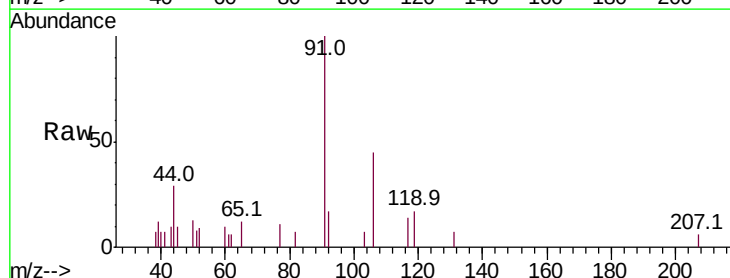
Instrument :
MSVOA_N
ClientSampled :
IBLK

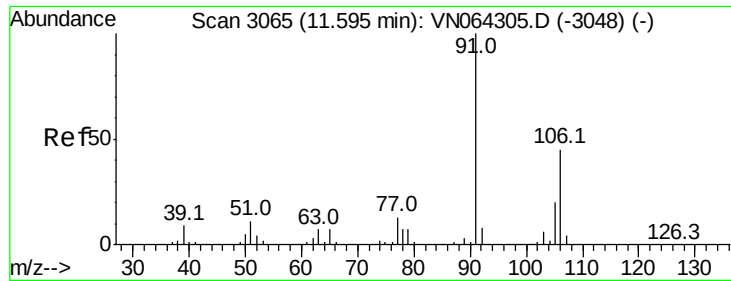
Tot Ion:112 Resp: 2768
Ion Ratio Lower Upper
112 100
114 28.3 26.7 40.1



#66
Ethyl Benzene
Concen: 0.307 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion: 91 Resp: 4585
Ion Ratio Lower Upper
91 100
106 44.7 22.8 34.2#





#67

m/p-Xylenes

Concen: 0.675 ug/l

RT: 11.59 min Scan# 3063

Delta R.T. -0.01 min

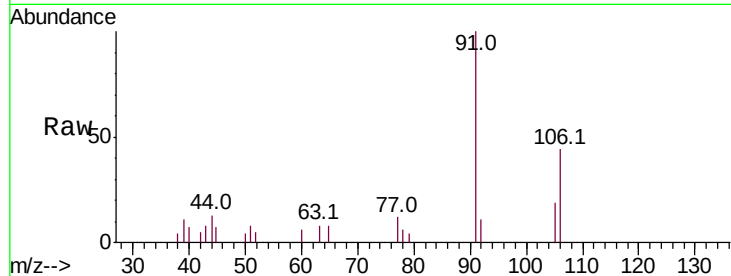
Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :
MSVOA_N
ClientSampled :
IBLK

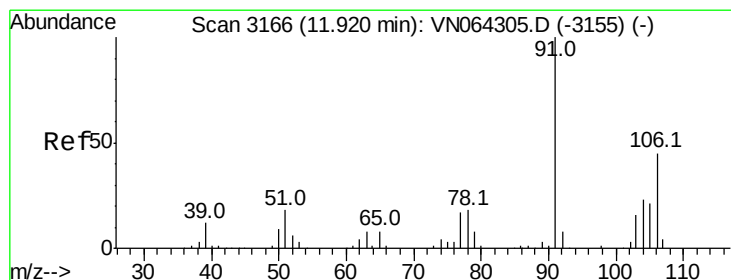
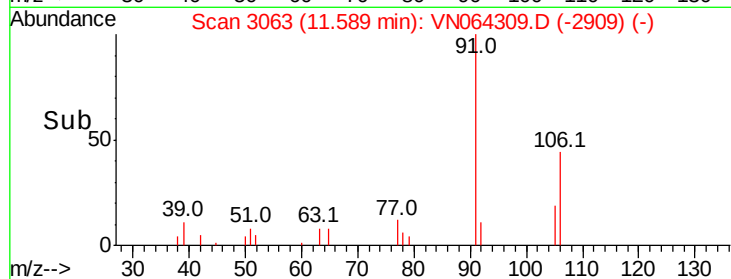
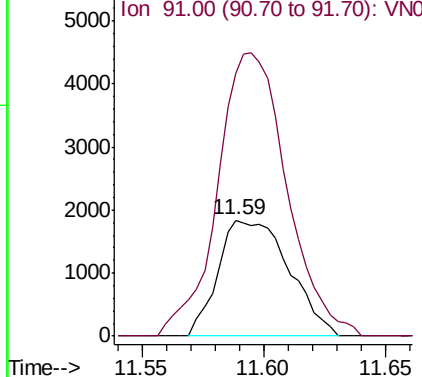
Tot Ion:106 Resp: 3705

Ion	Ratio	Lower	Upper
106	100		
91	239.7	176.2	264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 0.300 ug/l

RT: 11.92 min Scan# 3167

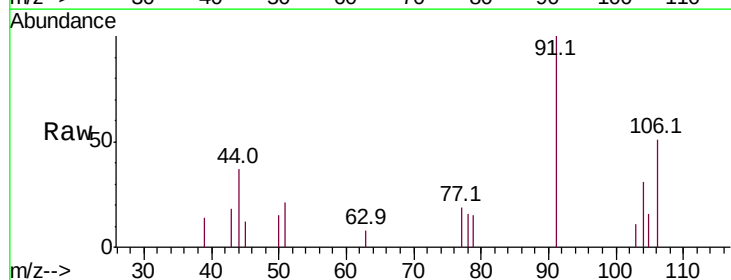
Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

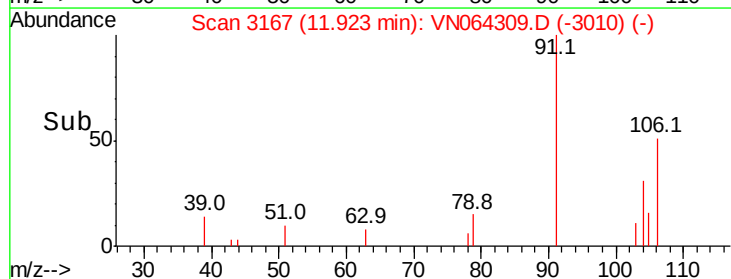
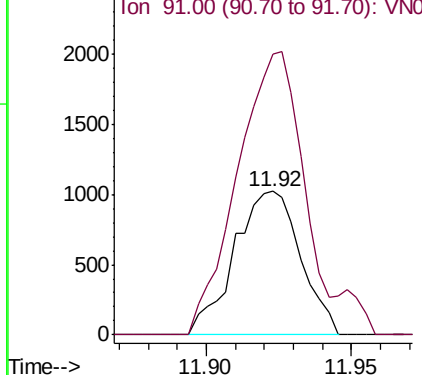
Tgt Ion:106 Resp: 1620

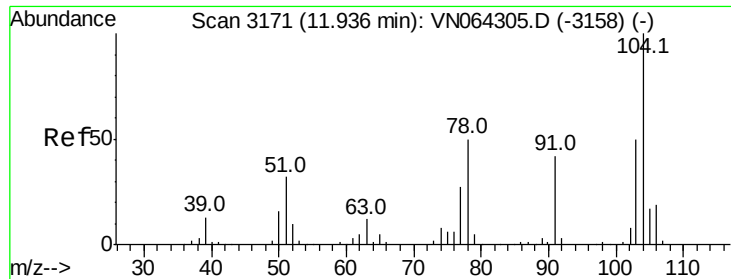
Ion	Ratio	Lower	Upper
106	100		
91	194.6	112.9	338.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

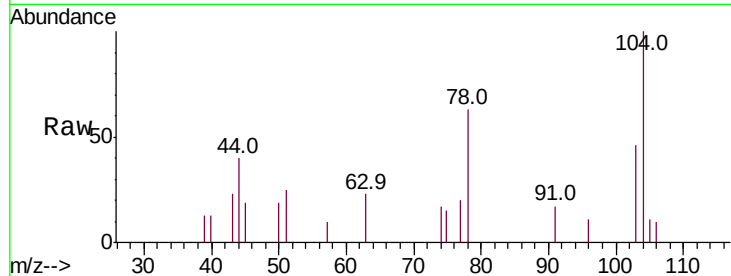




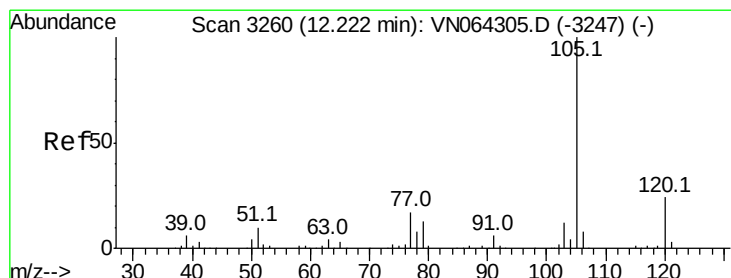
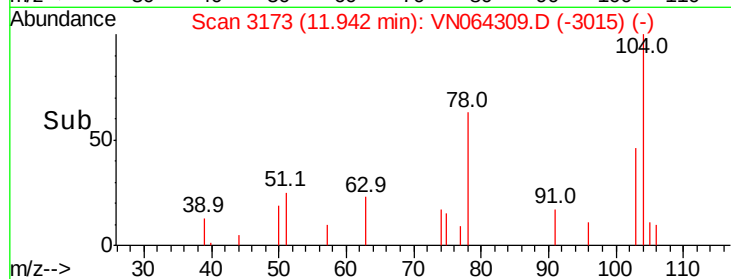
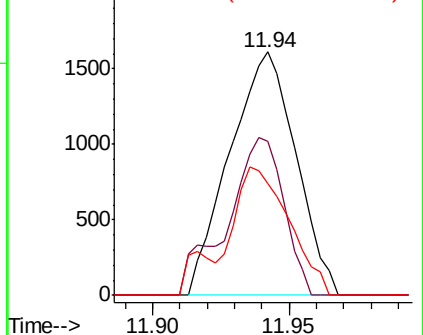
#69
Stvrene
Concen: 0.302 ug/l
RT: 11.94 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:104 Resp: 2714
Ion Ratio Lower Upper
104 100
78 46.2 46.3 69.5#
103 43.6 44.2 66.2#

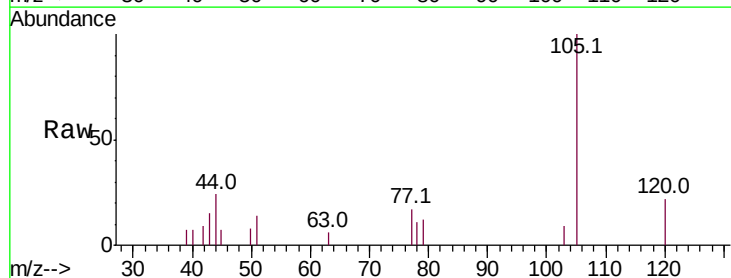


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

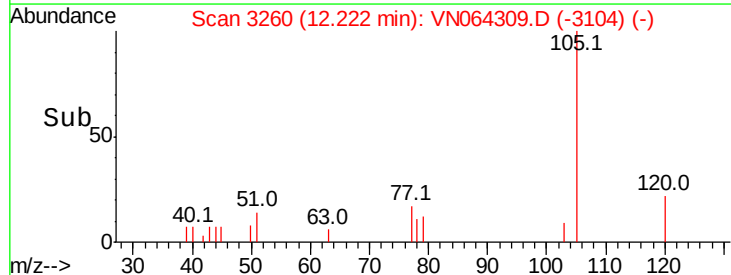
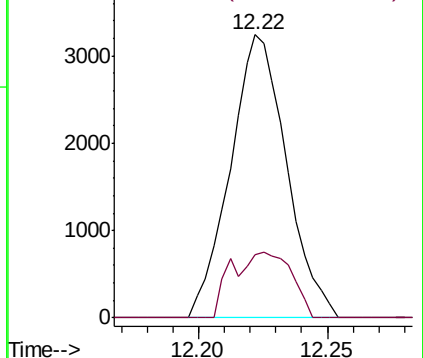


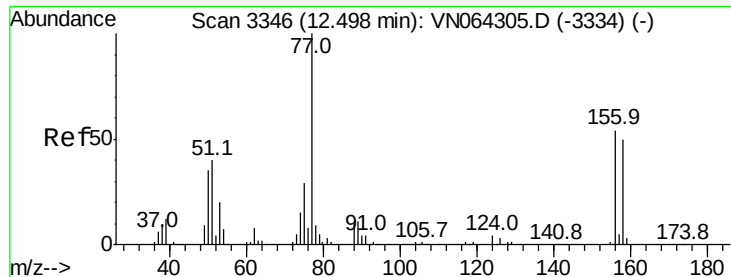
#70
Isopropylbenzene
Concen: 0.343 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064309.D
Acq: 26 Oct 2020 17:53

Tgt Ion:105 Resp: 4915
Ion Ratio Lower Upper
105 100
120 18.5 17.4 32.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#73

Bromobenzene

Concen: 0.252 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

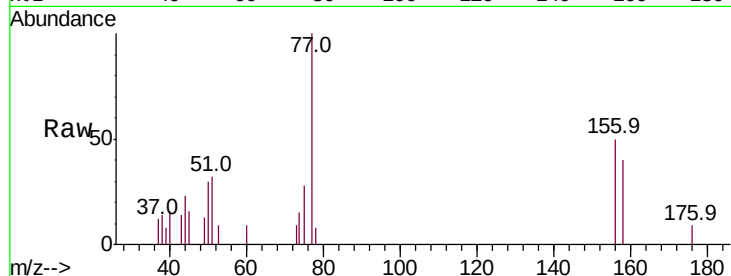
MSVOA_N

ClientSampled :

IBLK

Tot Ion:156 Resp: 885

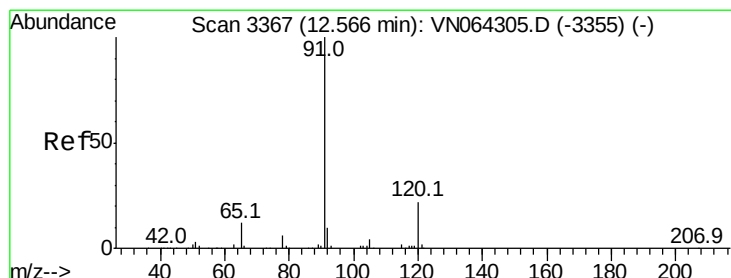
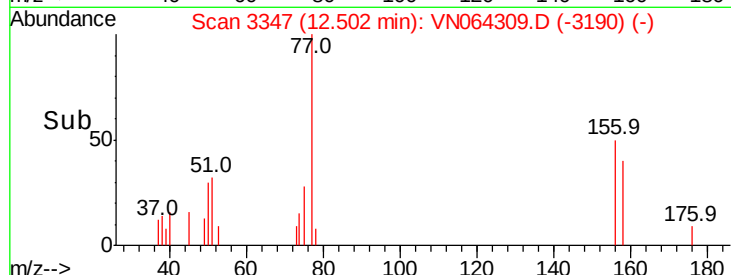
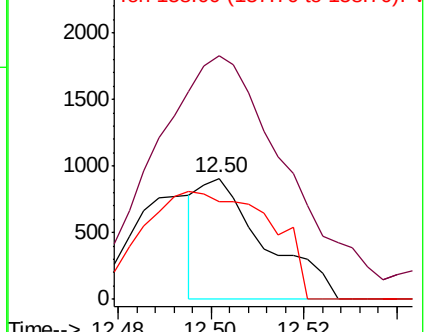
Ion	Ratio	Lower	Upper
156	100		
77	422.3	0.0	449.2
158	123.1	0.0	191.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 0.470 ug/l

RT: 12.57 min Scan# 3368

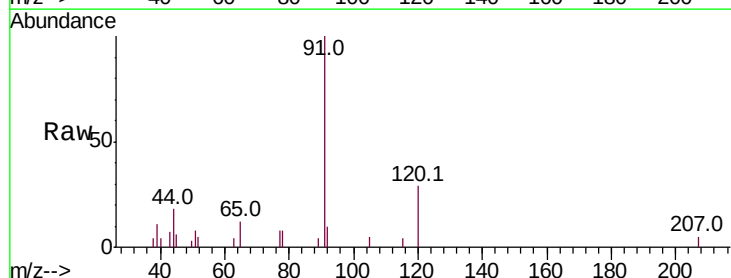
Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

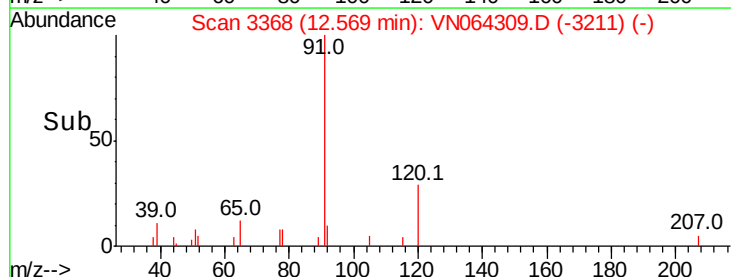
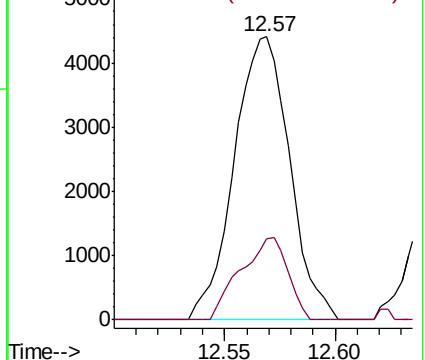
Tgt Ion: 91 Resp: 7672

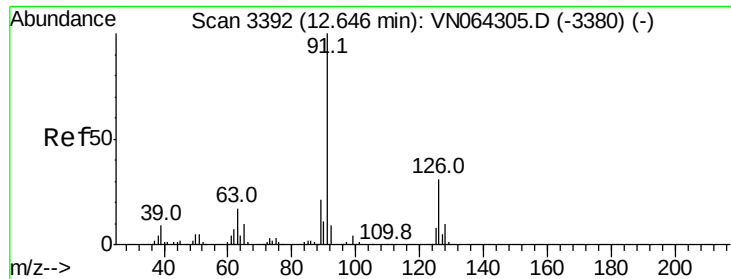
Ion	Ratio	Lower	Upper
91	100		
120	24.8	0.0	44.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 0.443 ug/l

RT: 12.65 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

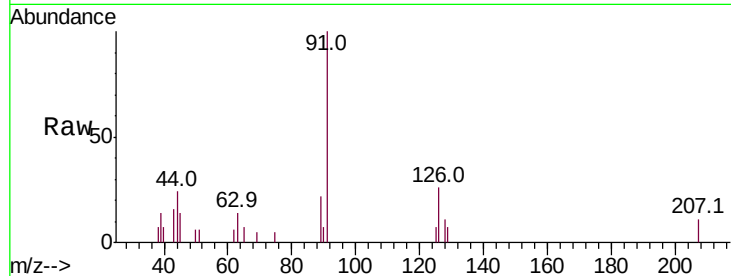
IBLK

Tot Ion: 91 Resp: 4474

Ion Ratio Lower Upper

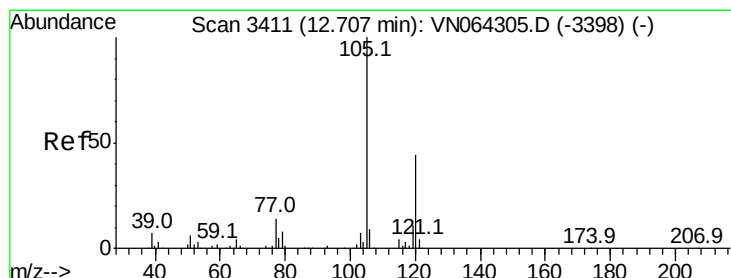
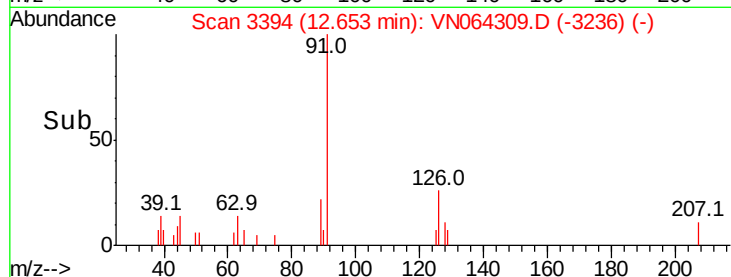
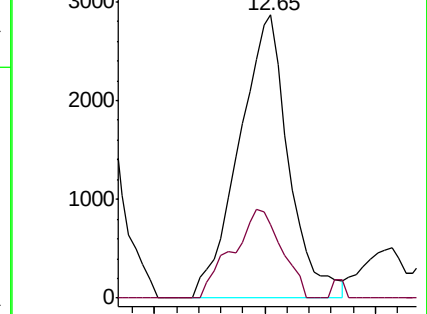
91 100

126 23.3 0.0 62.0



Abundance Ion 91.00 (90.70 to 91.70): VN064305.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064305.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 0.385 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064309.D

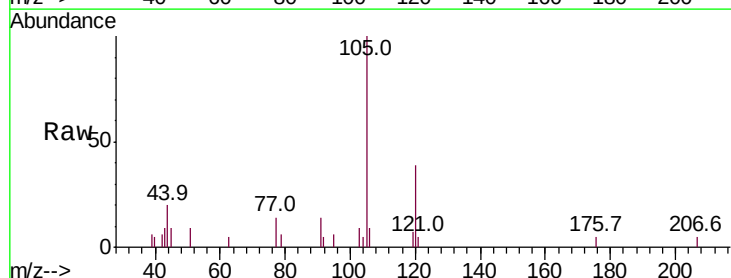
Acq: 26 Oct 2020 17:53

Tgt Ion: 105 Resp: 4661

Ion Ratio Lower Upper

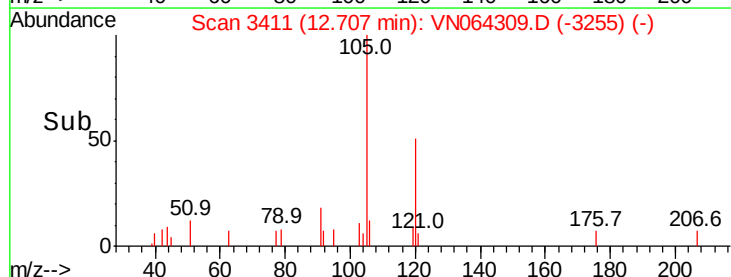
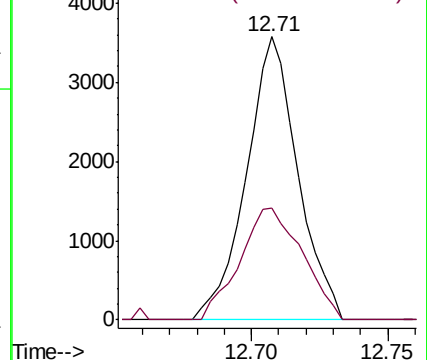
105 100

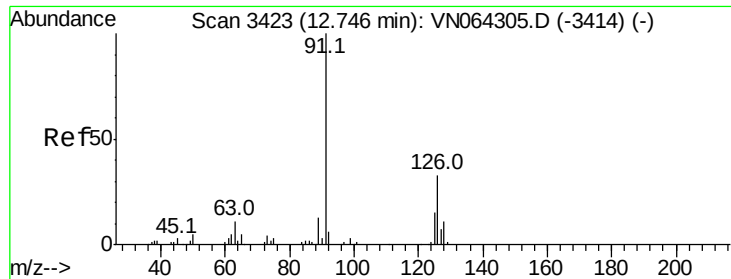
120 48.1 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): VN064305.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064305.D (-3398) (-)





#78

4-Chlorotoluene

Concen: 0.555 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

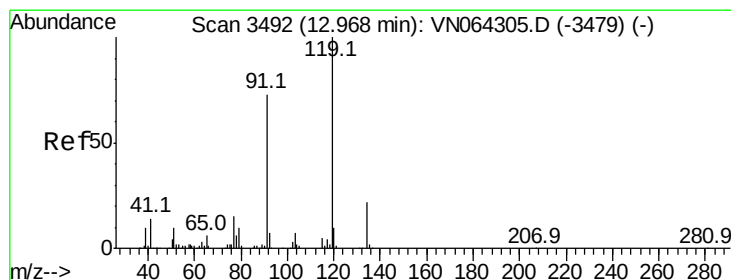
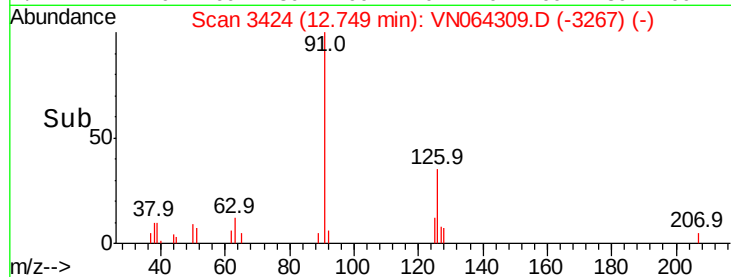
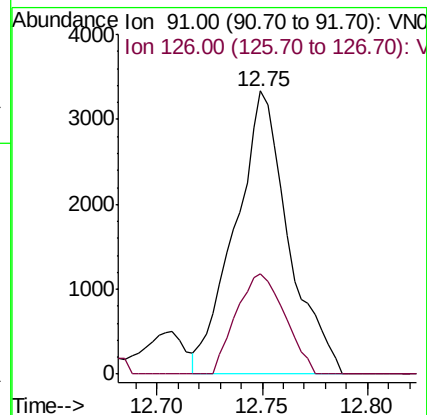
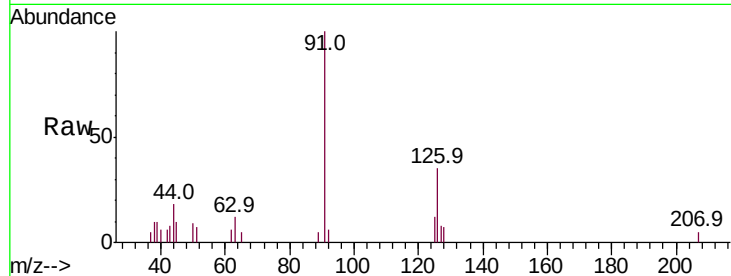
IBLK

Tot Ion: 91 Resp: 5864

Ion Ratio Lower Upper

91 100

126 32.2 0.0 62.4



#79

tert-butylbenzene

Concen: 0.389 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

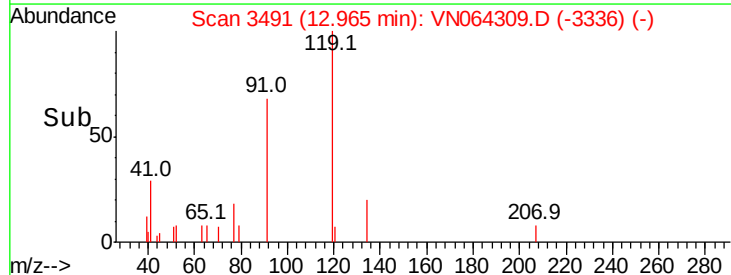
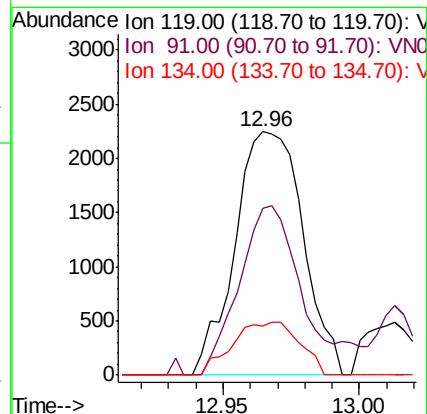
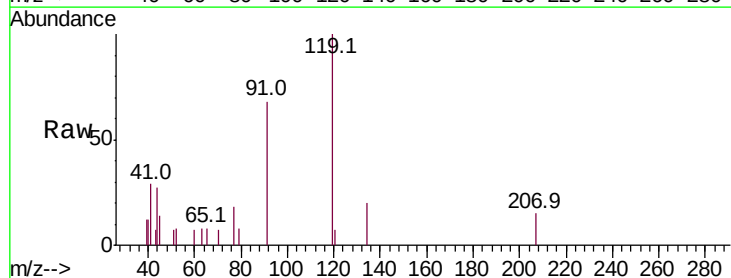
Tgt Ion: 119 Resp: 3886

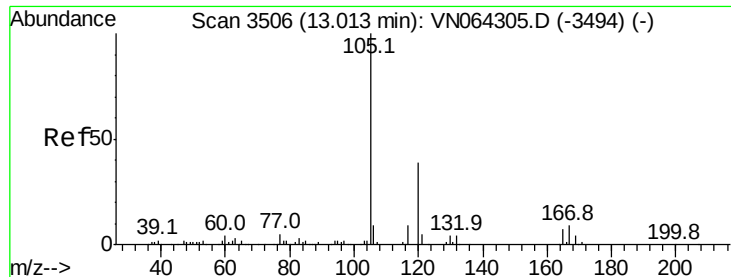
Ion Ratio Lower Upper

119 100

91 61.6 0.0 146.8

134 21.6 0.0 48.6





#80

1,2,4-Trimethylbenzene

Concen: 0.374 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampled :

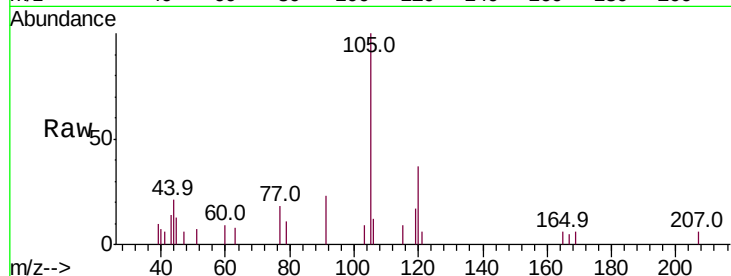
IBLK

Tot Ion:105 Resp: 4572

Ion Ratio Lower Upper

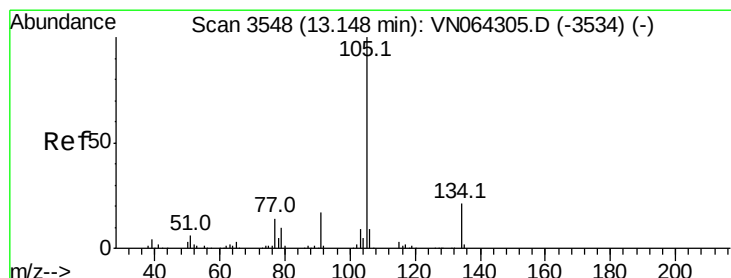
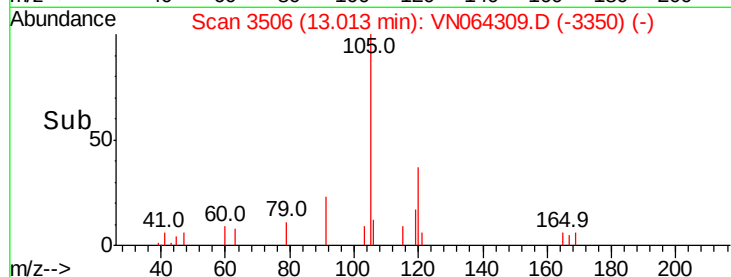
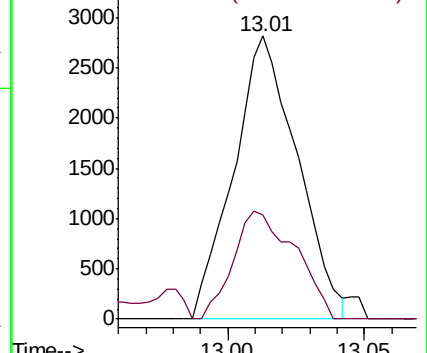
105 100

120 37.2 0.0 87.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 0.497 ug/l

RT: 13.15 min Scan# 3549

Delta R.T. 0.00 min

Lab File: VN064309.D

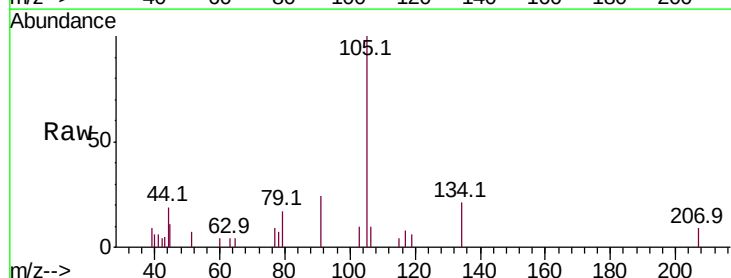
Acq: 26 Oct 2020 17:53

Tgt Ion:105 Resp: 6433

Ion Ratio Lower Upper

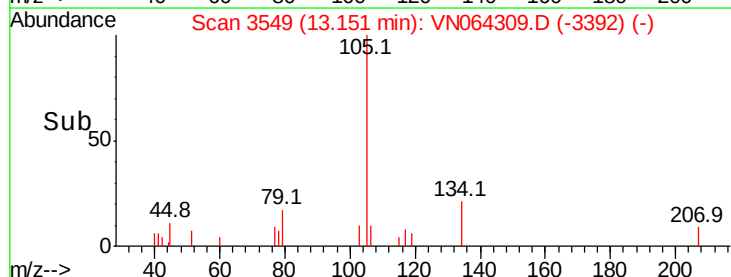
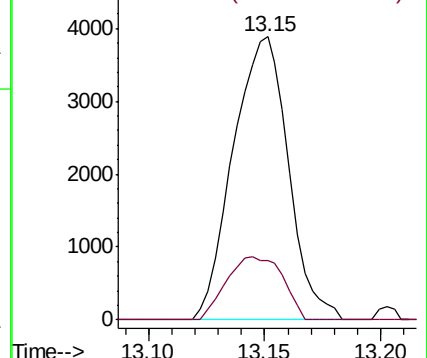
105 100

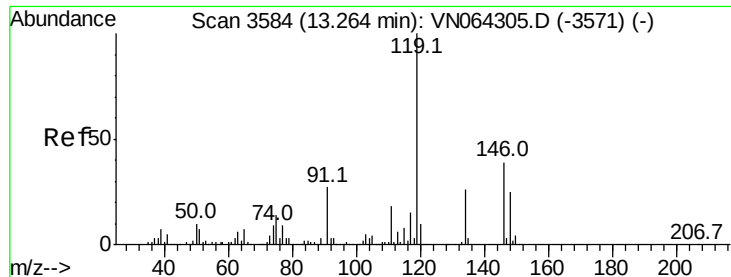
134 22.8 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

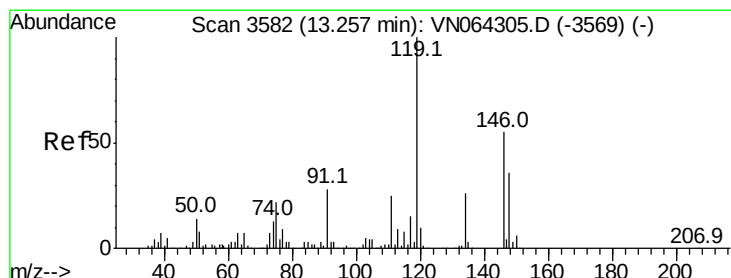
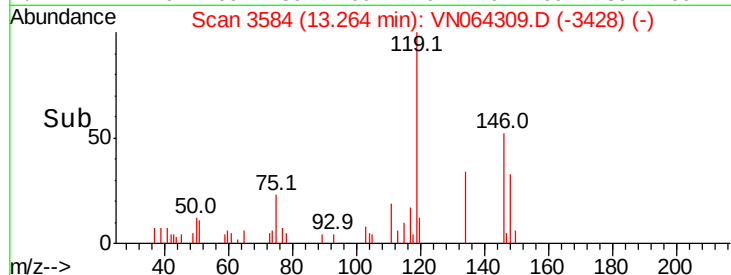
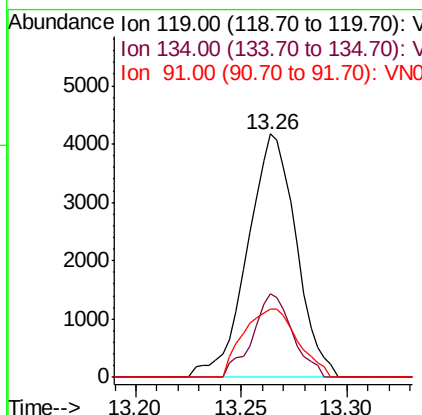
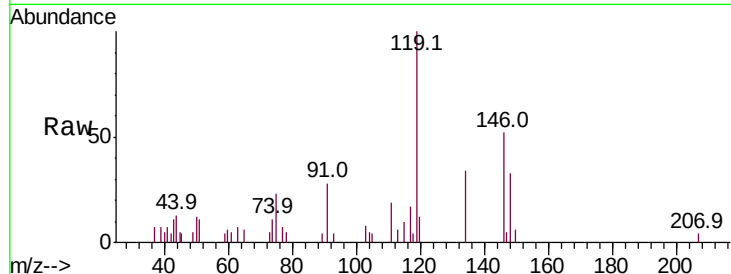




#82
 p-Isopropyltoluene
 Concen: 0.564 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

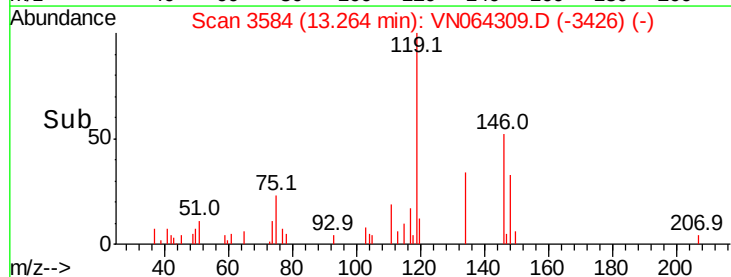
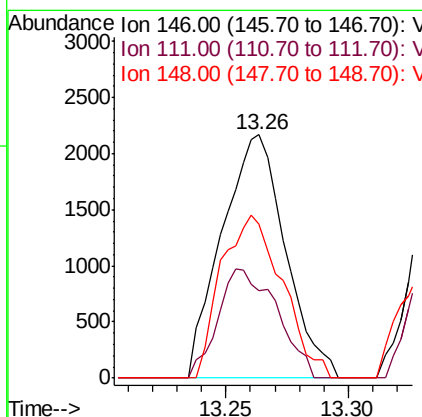
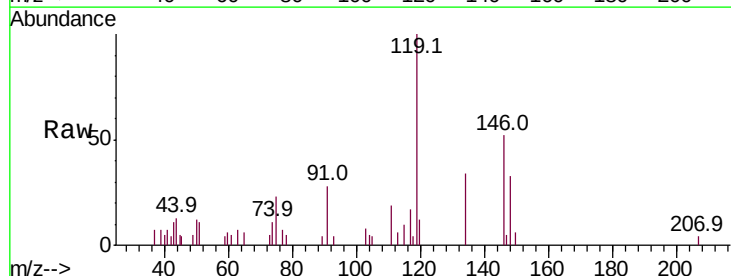
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

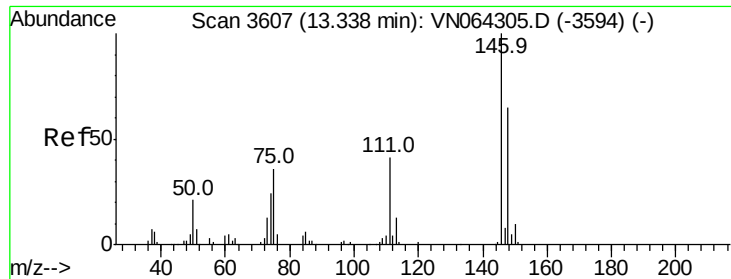
Tot Ion:119 Resp: 6691
 Ion Ratio Lower Upper
 119 100
 134 28.2 0.0 52.2
 91 31.3 0.0 56.0



#83
 1,3-Dichlorobenzene
 Concen: 0.642 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.01 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion:146 Resp: 3914
 Ion Ratio Lower Upper
 146 100
 111 41.7 22.5 67.5
 148 63.8 32.5 97.5

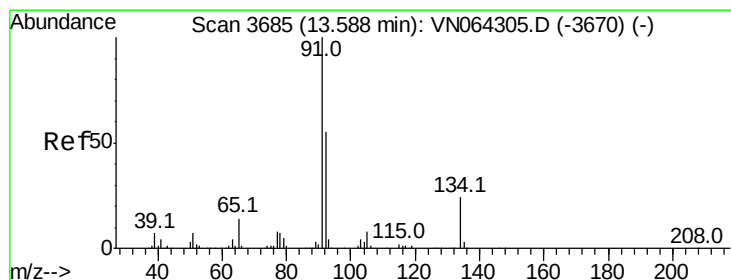
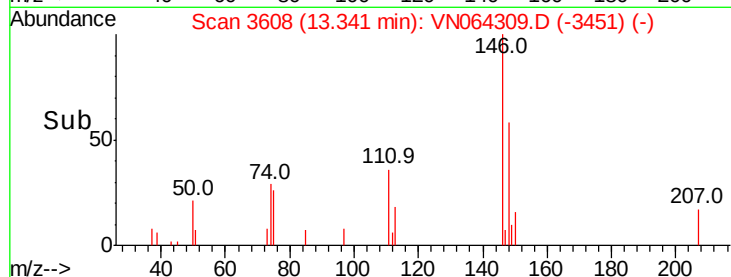
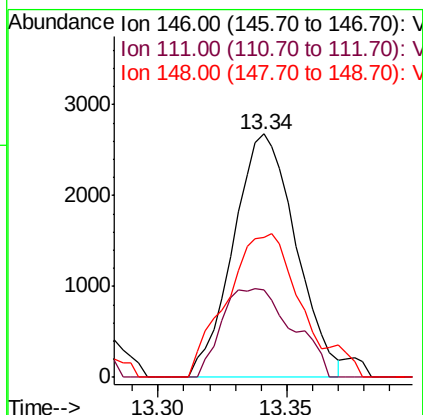
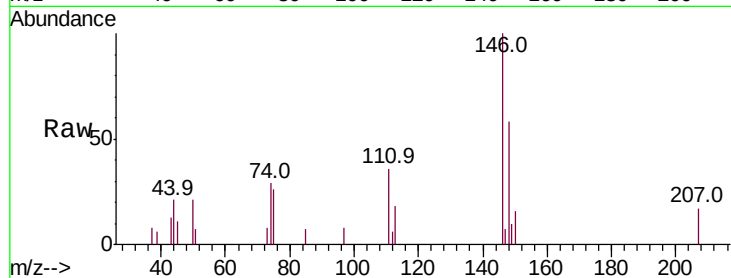




#84
 1,4-Dichlorobenzene
 Concen: 0.741 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

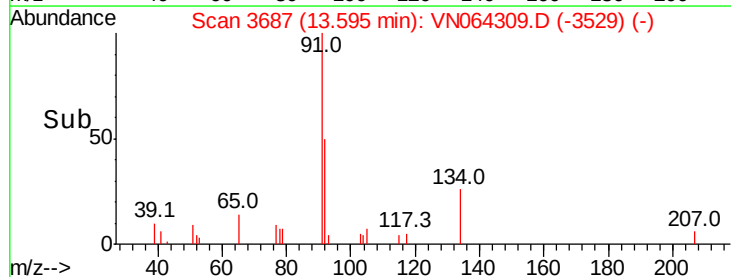
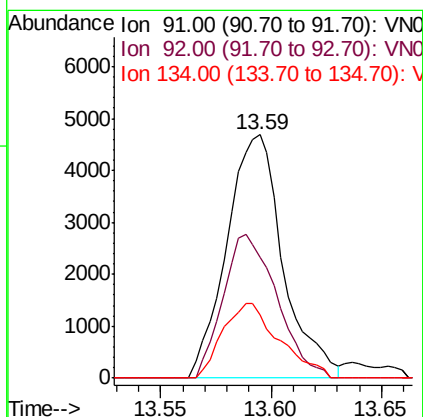
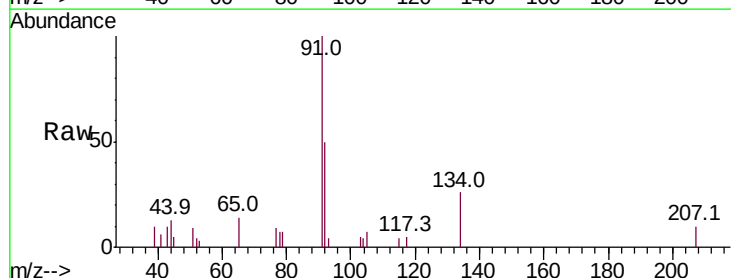
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

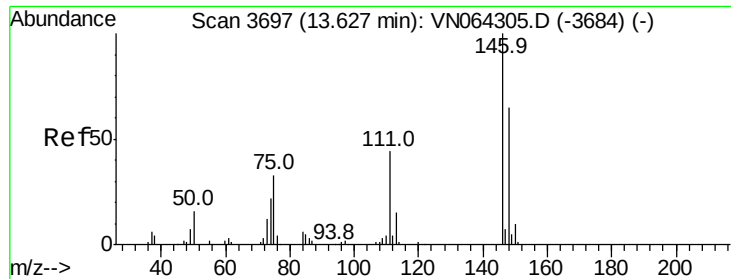
Tot Ion:146 Resp: 4539
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.6 64.8
 148 65.7 32.4 97.0



#85
 n-Butylbenzene
 Concen: 0.802 ug/l
 RT: 13.59 min Scan# 3687
 Delta R.T. 0.01 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 91 Resp: 8292
 Ion Ratio Lower Upper
 91 100
 92 56.5 0.0 106.0
 134 30.9 0.0 46.4

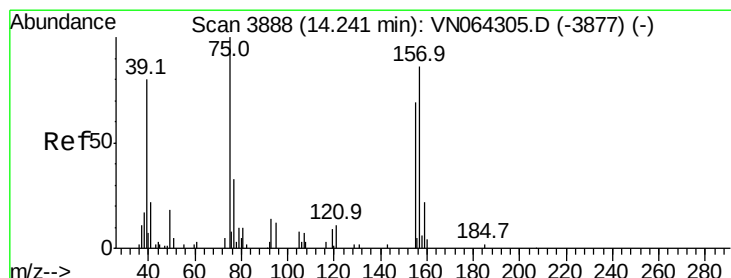
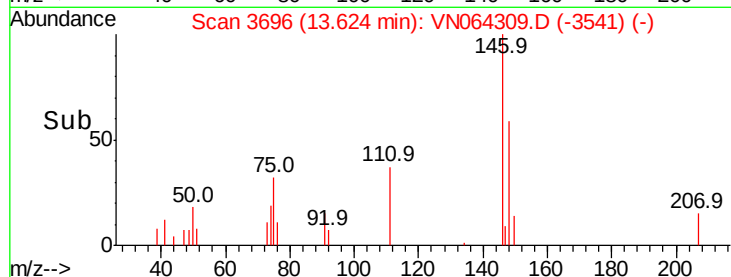
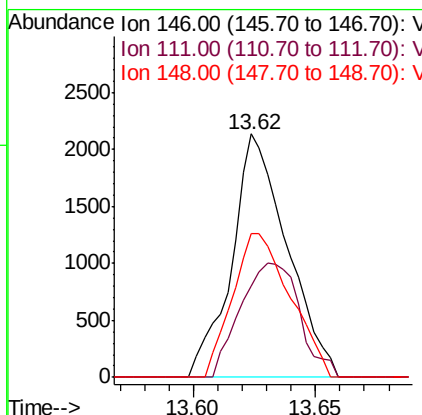
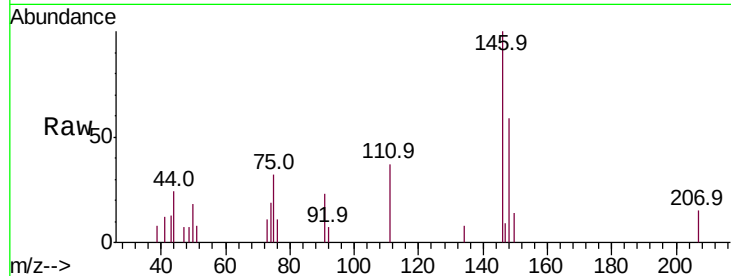




#87
 1,2-Dichlorobenzene
 Concen: 0.560 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

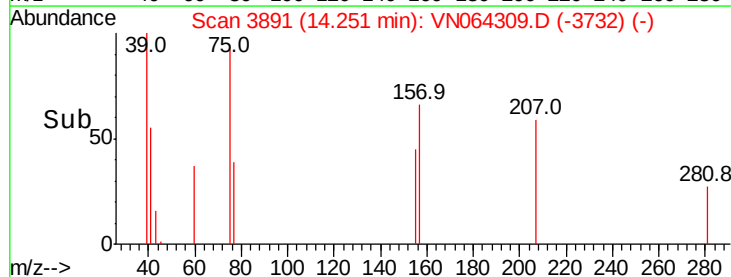
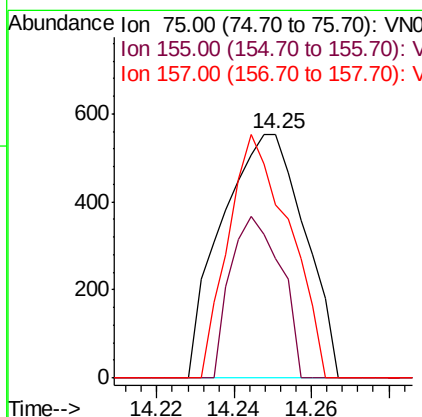
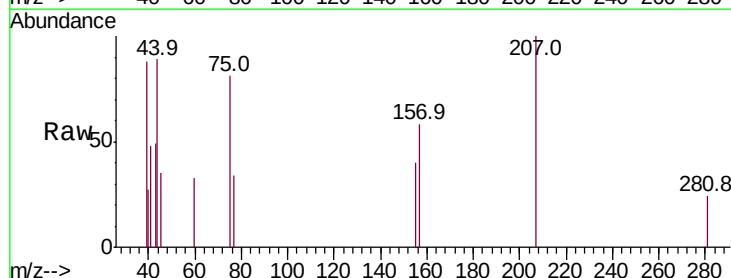
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

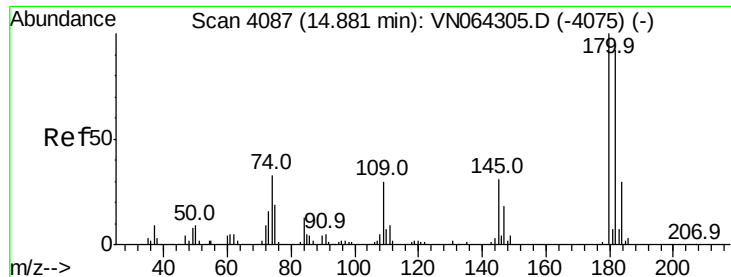
Tot Ion:146 Resp: 3363
 Ion Ratio Lower Upper
 146 100
 111 49.4 22.3 66.8
 148 61.8 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.796 ug/l
 RT: 14.25 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion: 75 Resp: 821
 Ion Ratio Lower Upper
 75 100
 155 40.2 55.8 83.8#
 157 73.4 72.1 108.1

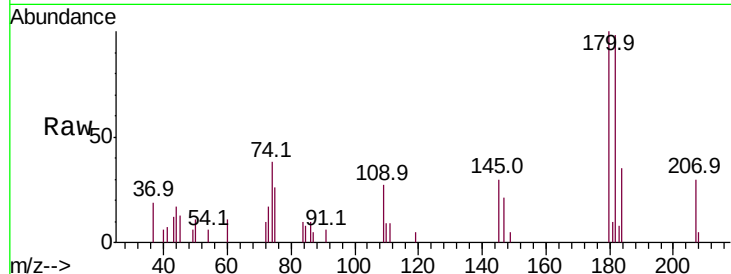




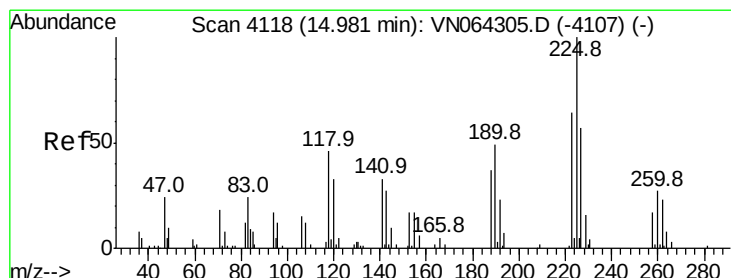
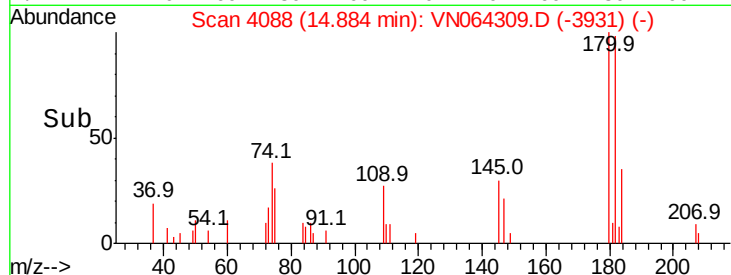
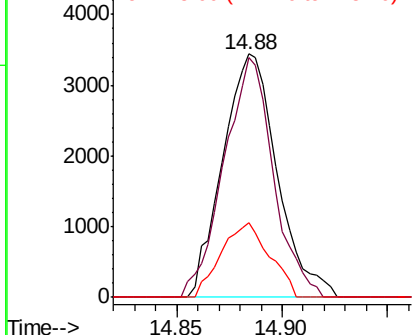
#89
 1,2,4-Trichlorobenzene
 Concen: 1.813 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

Tot Ion:180 Resp: 6166
 Ion Ratio Lower Upper
 180 100
 182 89.3 76.6 114.8
 145 27.3 25.4 38.0

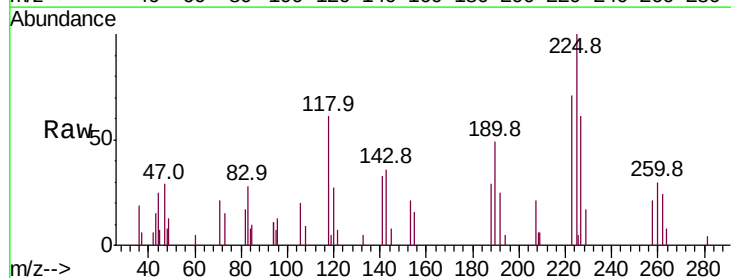


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

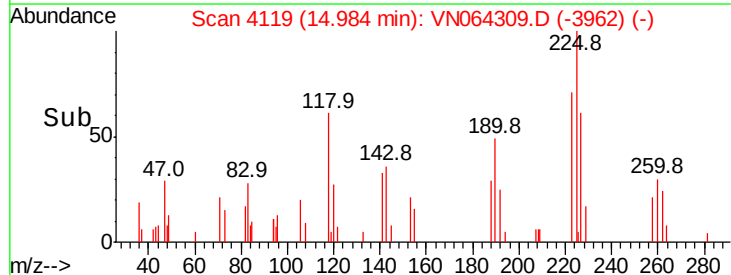
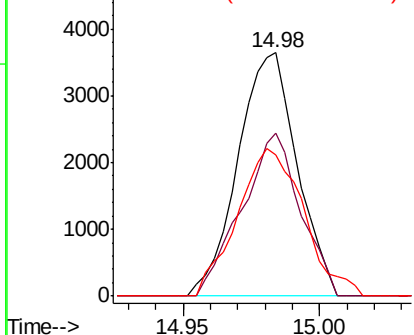


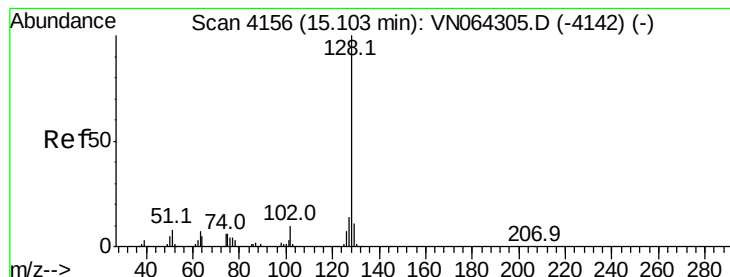
#90
 Hexachlorobutadiene
 Concen: 2.989 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064309.D
 Acq: 26 Oct 2020 17:53

Tgt Ion:225 Resp: 5471
 Ion Ratio Lower Upper
 225 100
 223 66.6 0.0 122.0
 227 68.3 0.0 118.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 2.188 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

IBLK

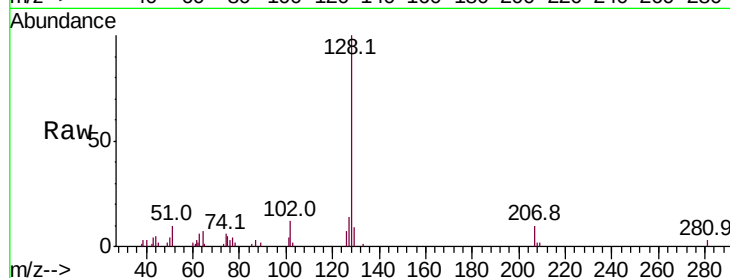
Tot Ion:128 Resp: 22467

Ion Ratio Lower Upper

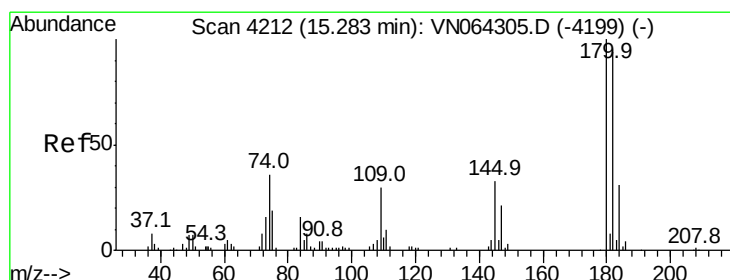
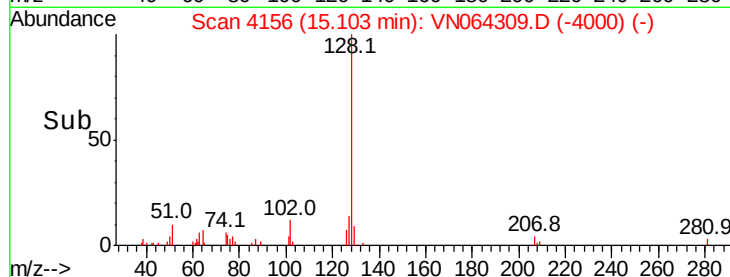
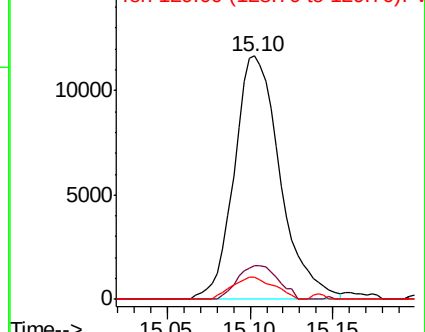
128 100

127 12.2 10.8 16.2

129 8.3 8.8 13.2#



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



#92

1,2,3-Trichlorobenzene

Concen: 1.877 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. -0.40 min

Lab File: VN064309.D

Acq: 26 Oct 2020 17:53

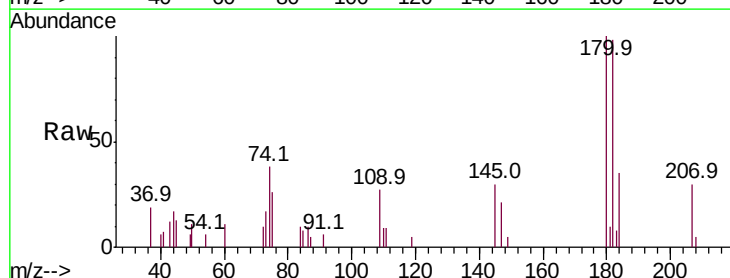
Tgt Ion:180 Resp: 6166

Ion Ratio Lower Upper

180 100

182 89.3 0.0 190.0

145 27.3 0.0 67.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

