

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085027.D
 Acq On : 25 Nov 2024 13:38
 Operator : JC\MD
 Sample : P4967-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 25 15:14:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

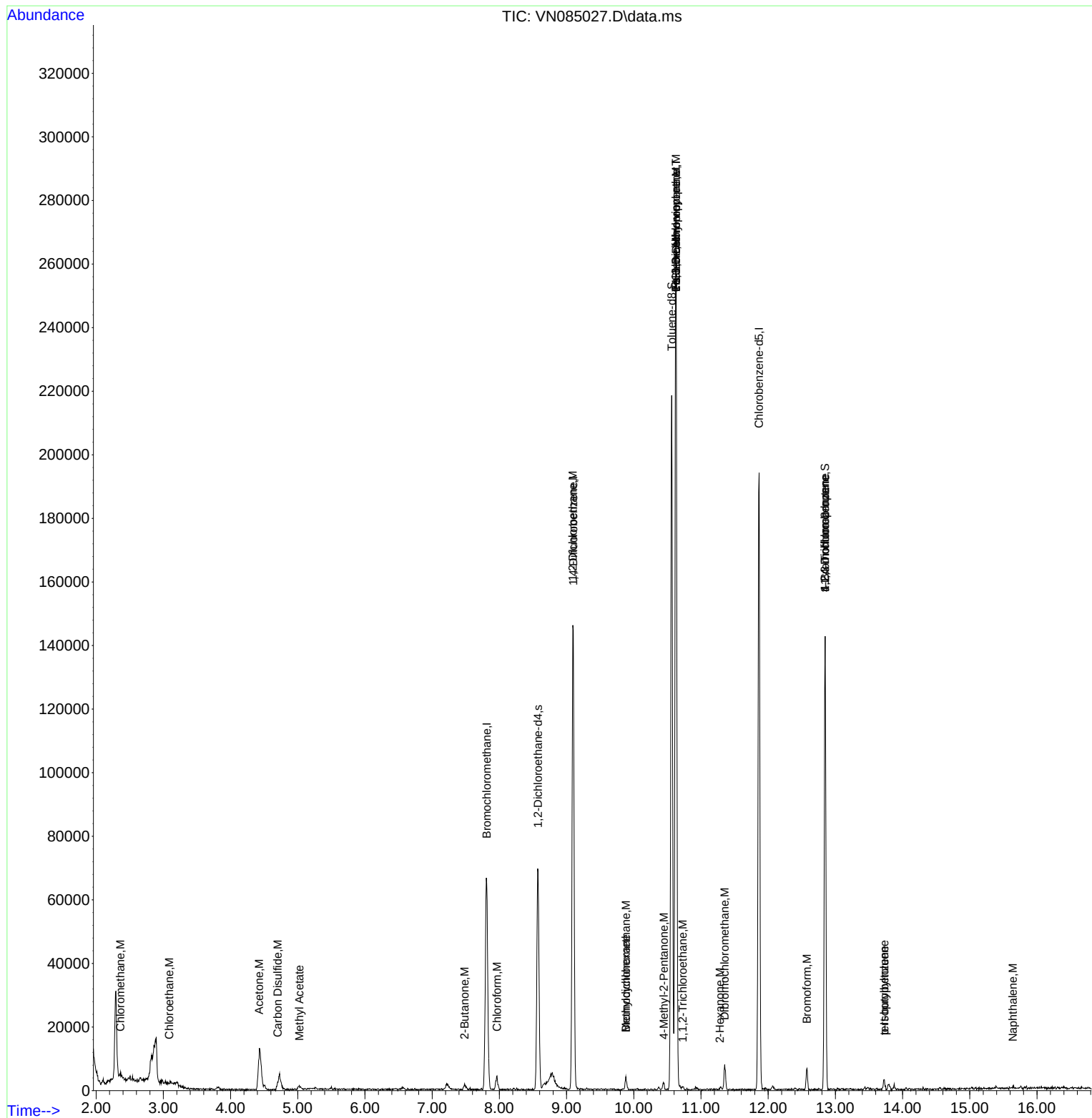
Internal Standards						
1) Bromochloromethane	7.812	128	23934	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	127741	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	114318	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	60441	31.412	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.700%
60) 4-Bromofluorobenzene	12.847	95	49205	24.998	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.333%
63) Toluene-d8	10.565	98	149673	27.657	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	810	0.483	ug/l	89
6) Chloroethane	3.089	64	296	0.290	ug/l #	47
12) Methyl Acetate	5.024	43	1208	0.556	ug/l #	73
15) Acetone	4.424	58	1893	10.358	ug/l	98
16) Carbon Disulfide	4.700	76	986	0.240	ug/l #	77
25) Chloroform	7.965	83	4157	1.418	ug/l #	65
30) 2-Butanone	7.483	43	2188	2.465	ug/l #	83
36) 1,2-Dichloroethane	9.094	62	4600	2.175	ug/l #	74
38) Methylcyclohexane	9.882	83	3352	1.618	ug/l #	17
41) Bromodichloromethane	9.882	83	3352	1.460	ug/l #	83
48) t-1,3-Dichloropropene	10.629	75	1547	0.682	ug/l #	1
49) cis-1,3-Dichloropropene	10.629	75	1547	0.637	ug/l #	1
50) 1,1,2-Trichloroethane	10.729	97	819	0.570	ug/l #	13
53) Dibromochloromethane	11.353	129	4870	2.897	ug/l	84
55) 2-Chloroethyl vinyl ether	10.629	63	15995	14.733	ug/l #	1
56) Bromoform	12.576	173	3227	2.864	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	1864	1.034	ug/l #	87
59) 2-Hexanone	11.282	43	336	0.254	ug/l #	33
62) Toluene	10.629	91	212631	32.657	ug/l	98
72) 1,2,3-Trichloropropane	12.847	75	26248	15.107	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	26248	36.834	ug/l #	7
79) tert-butylbenzene	13.729	119	2333	0.526	ug/l	27
82) p-Isopropyltoluene	13.729	119	2333	0.454	ug/l	56
91) Naphthalene	15.641	128	1113	0.243	ug/l #	69

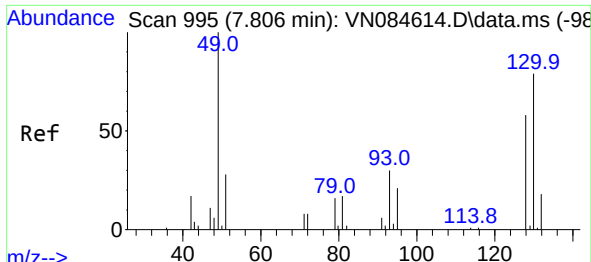
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085027.D
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Sample : P4967-02
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
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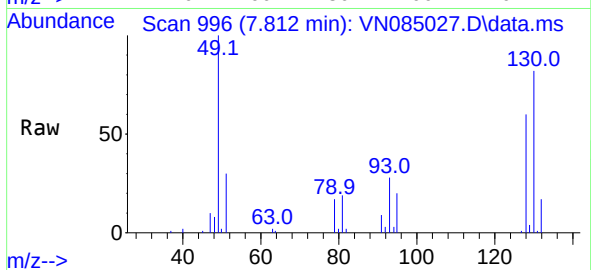
Quant Time: Nov 25 15:14:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



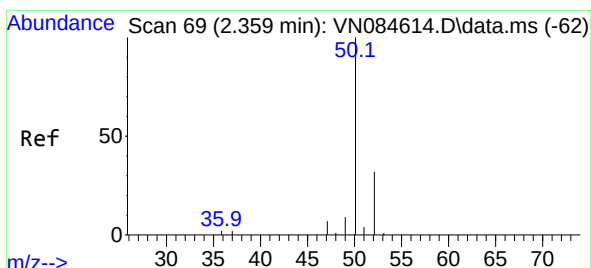
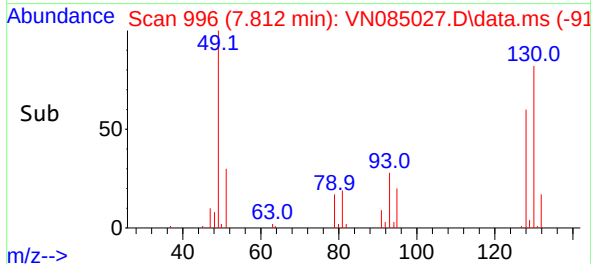
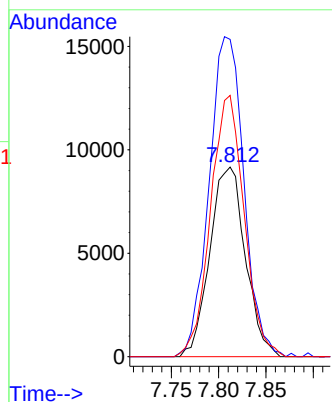


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

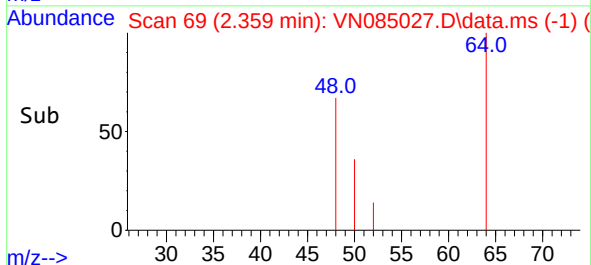
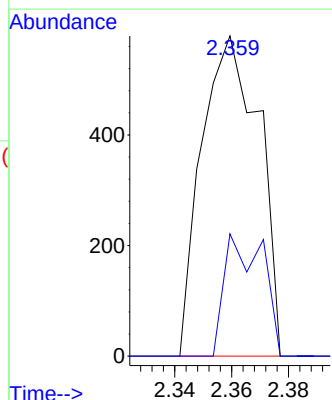
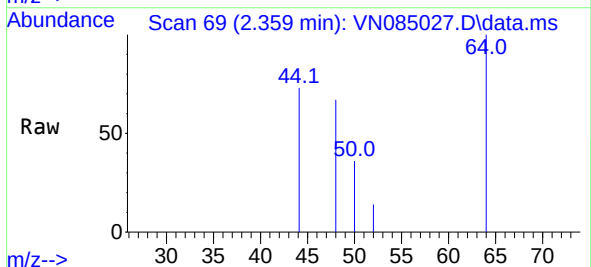


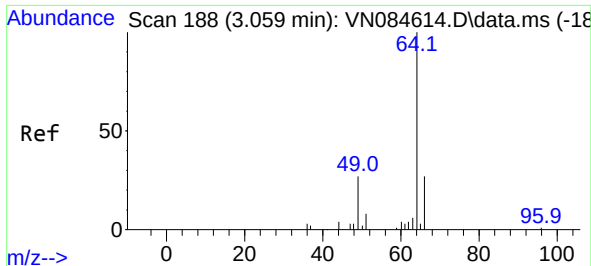
Tgt Ion:128 Resp: 23934
Ion Ratio Lower Upper
128 100
49 164.9 0.0 427.0
130 130.8 0.0 322.2



#3
Chloromethane
Concen: 0.483 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 50 Resp: 810
Ion Ratio Lower Upper
50 100
52 38.2 25.5 38.3

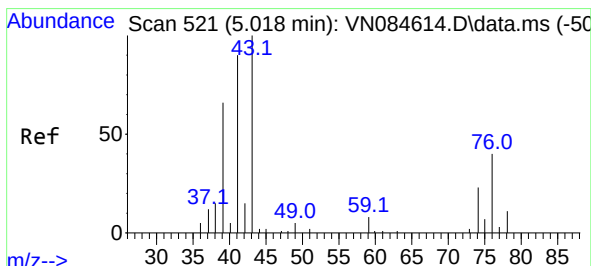
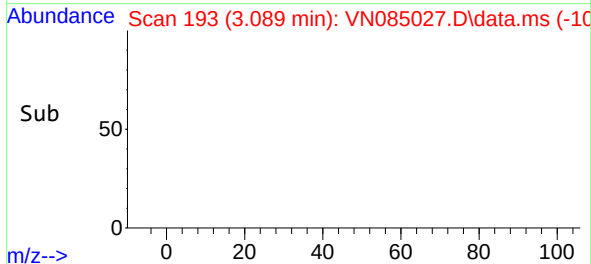
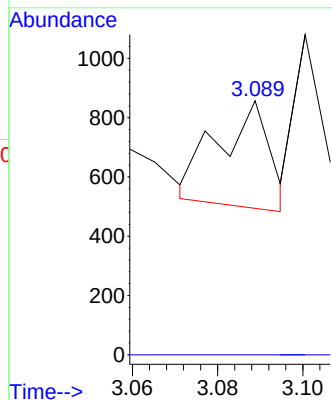
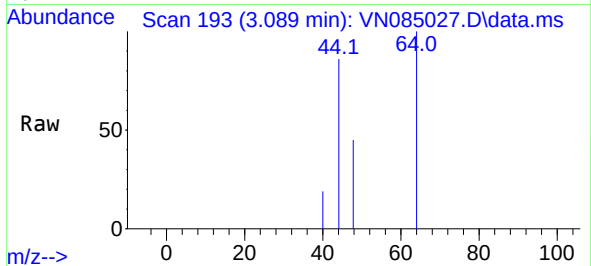




#6
Chloroethane
Concen: 0.290 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.029 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

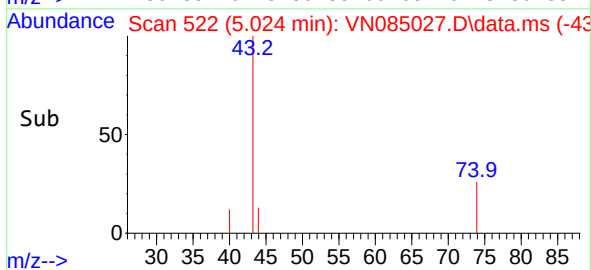
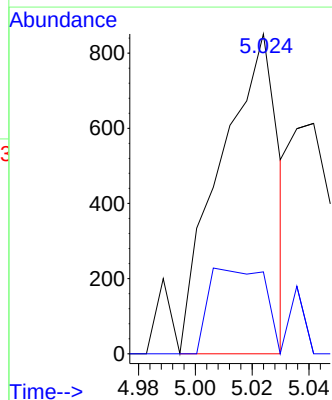
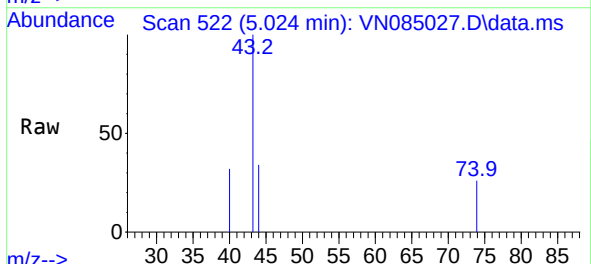
Instrument :
MSVOA_N
ClientSampleId :

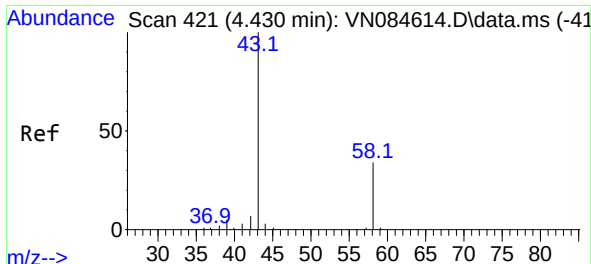
Tgt Ion: 64 Resp: 296
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



#12
Methyl Acetate
Concen: 0.556 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
74 36.8 19.0 28.4#

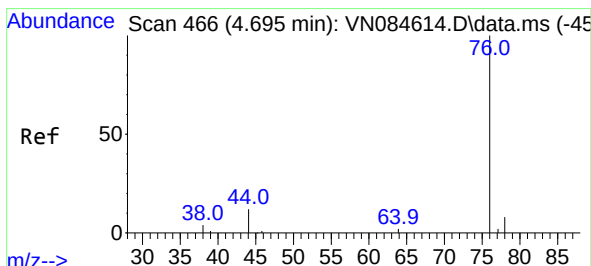
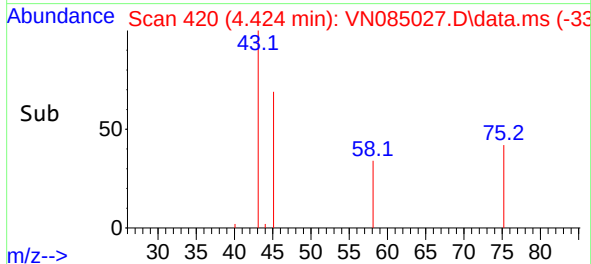
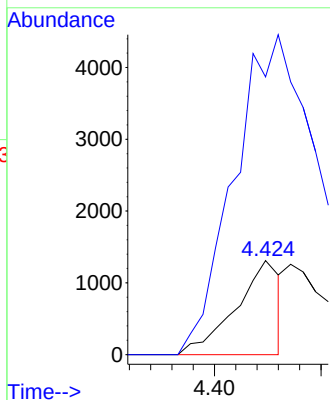
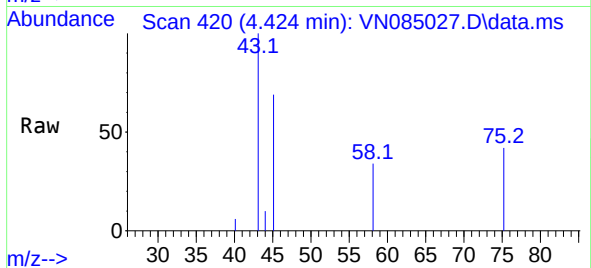




#15
Acetone
Concen: 10.358 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

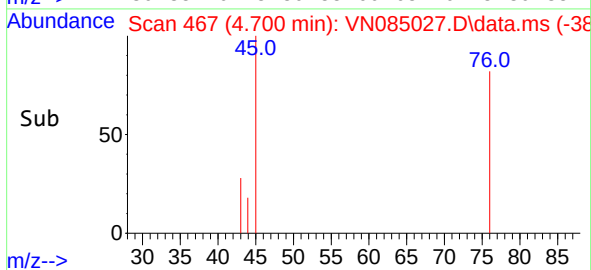
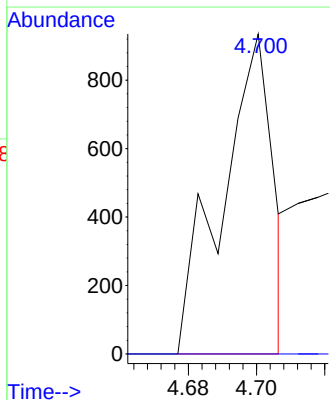
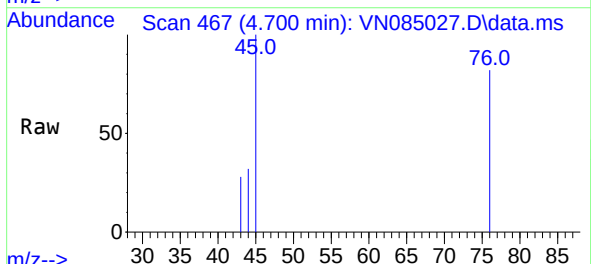
Instrument :
MSVOA_N
ClientSampleId :

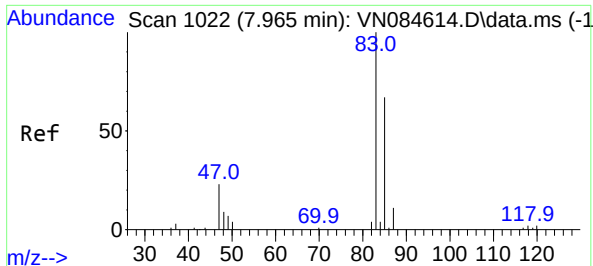
Tgt Ion: 58 Resp: 1893
Ion Ratio Lower Upper
58 100
43 295.3 233.0 349.6



#16
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 76 Resp: 986
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#

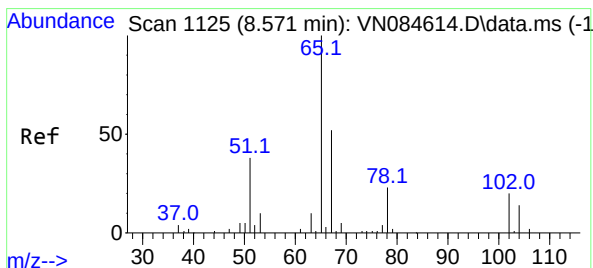
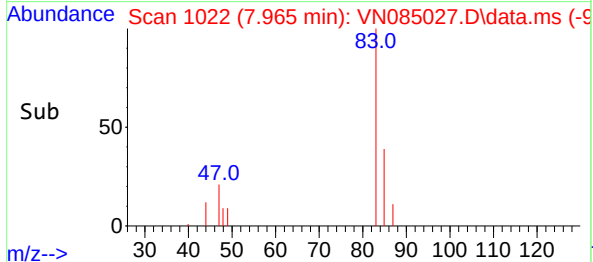
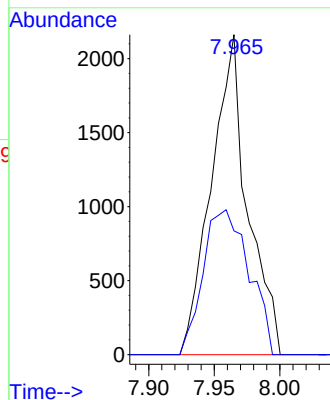
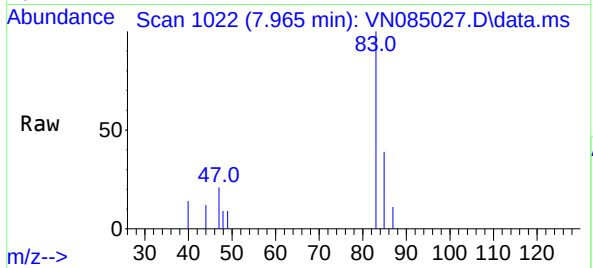




#25
Chloroform
Concen: 1.418 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

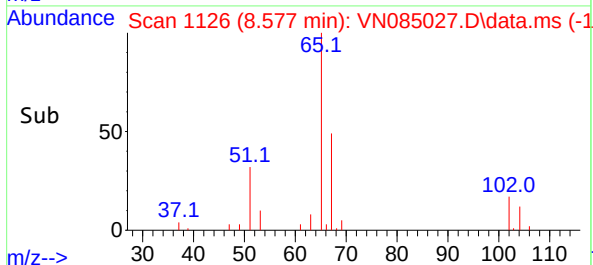
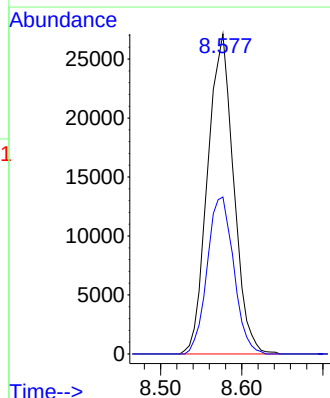
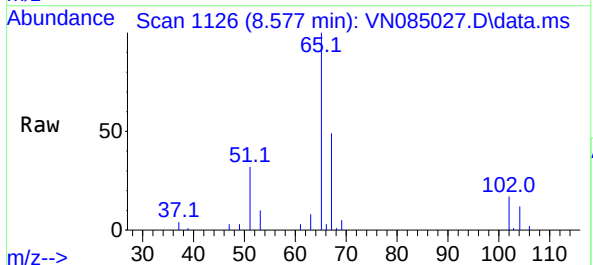
Instrument :
MSVOA_N
ClientSampleId :

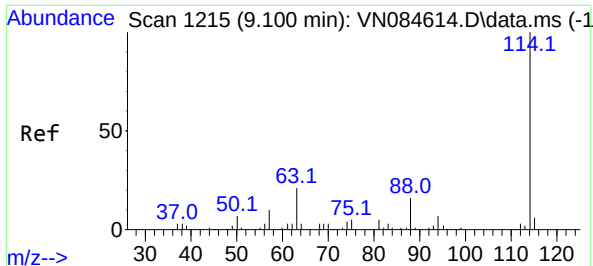
Tgt Ion: 83 Resp: 4157
Ion Ratio Lower Upper
83 100
85 38.7 53.4 80.2#



#27
1,2-Dichloroethane-d4
Concen: 31.412 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 65 Resp: 60441
Ion Ratio Lower Upper
65 100
67 49.8 40.7 61.1

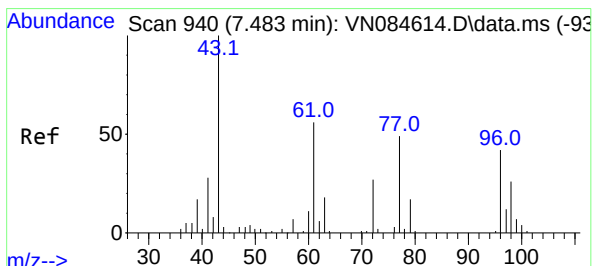
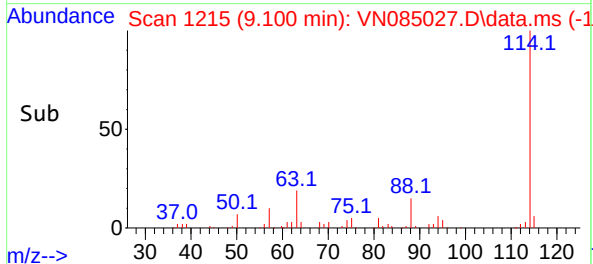
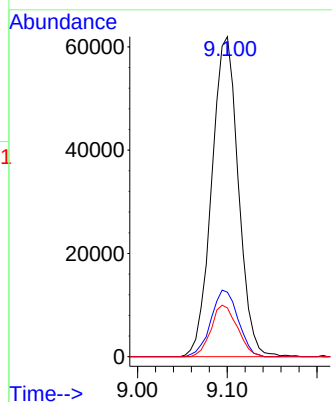
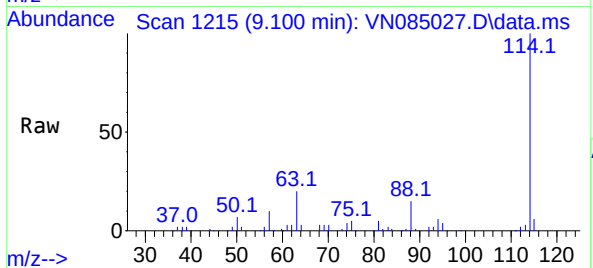




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

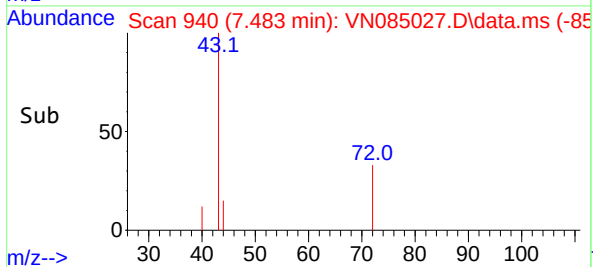
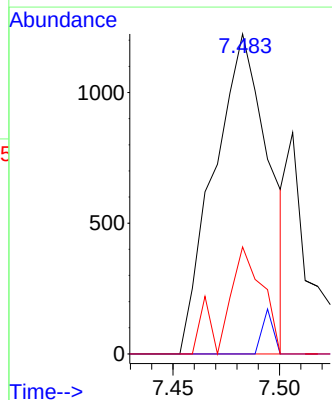
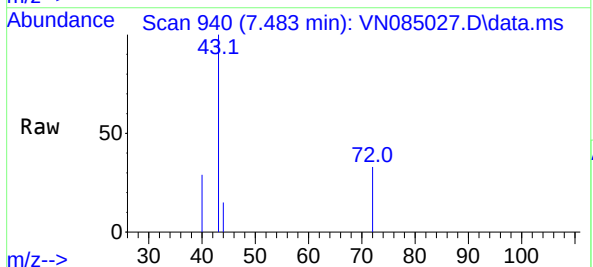
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MSVOA_N
ClientSampleId :

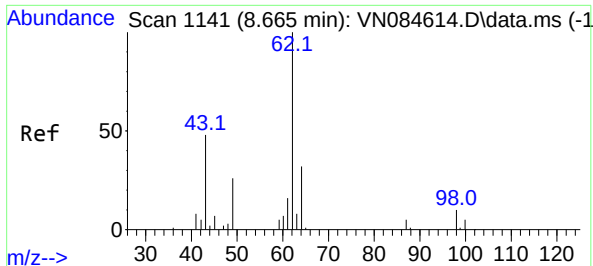
Tgt Ion:114 Resp: 127741
Ion Ratio Lower Upper
114 100
63 21.2 16.8 25.2
88 15.9 12.9 19.3



#30
2-Butanone
Concen: 2.465 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 43 Resp: 2188
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 18.6 21.5 32.3#

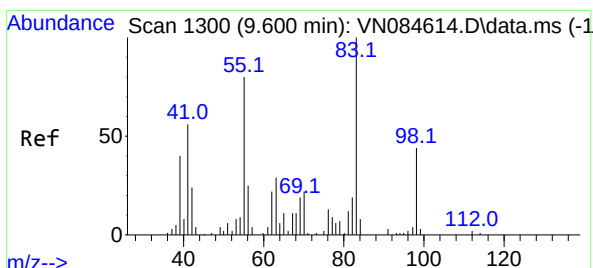
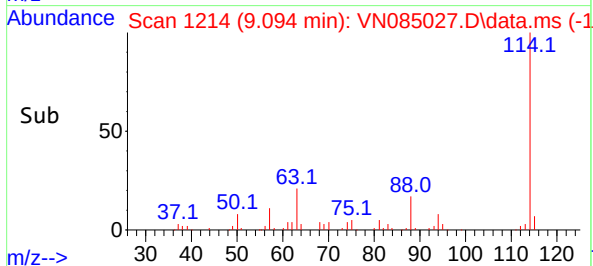
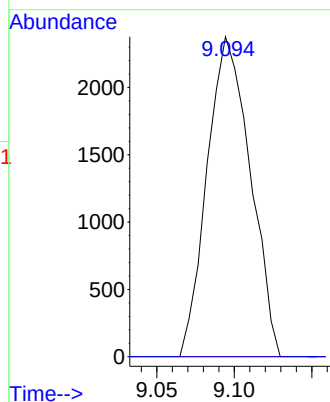
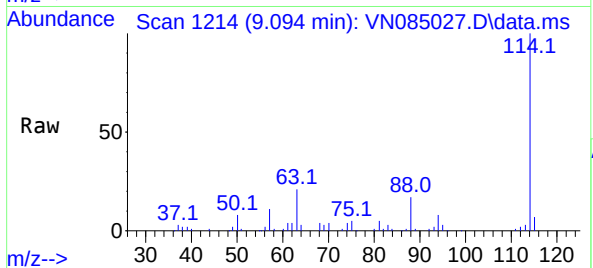




#36
1,2-Dichloroethane
Concen: 2.175 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.429 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

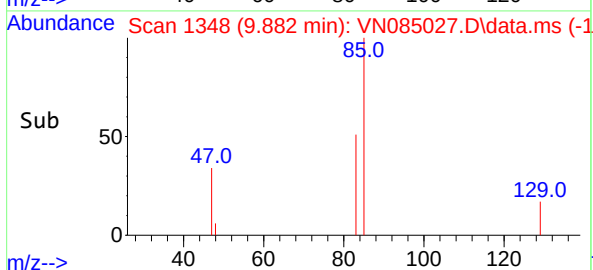
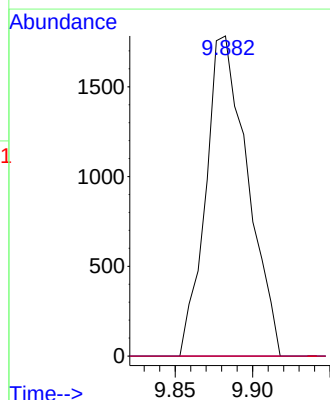
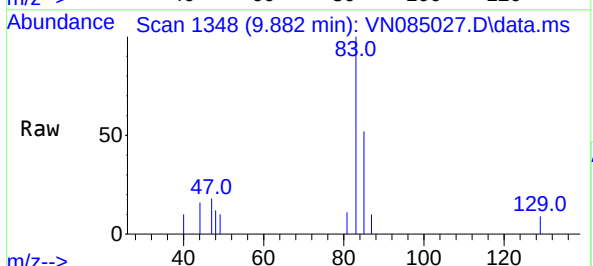
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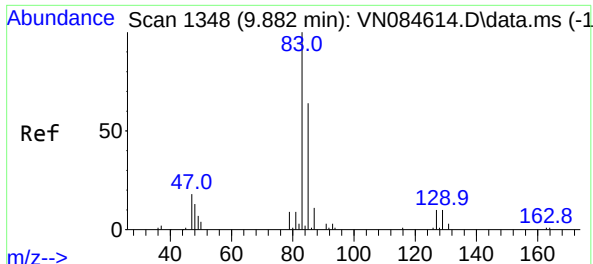
Tgt Ion: 62 Resp: 4600
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



#38
Methylcyclohexane
Concen: 1.618 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.282 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

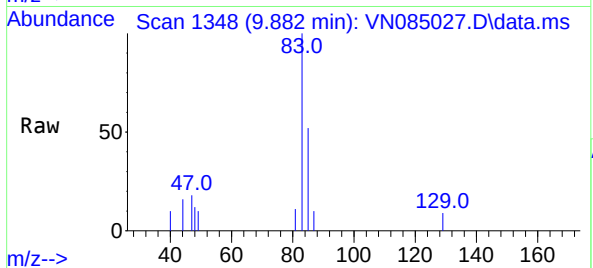
Tgt Ion: 83 Resp: 3352
Ion Ratio Lower Upper
83 100
55 0.0 39.6 118.8#
98 0.0 23.2 69.5#



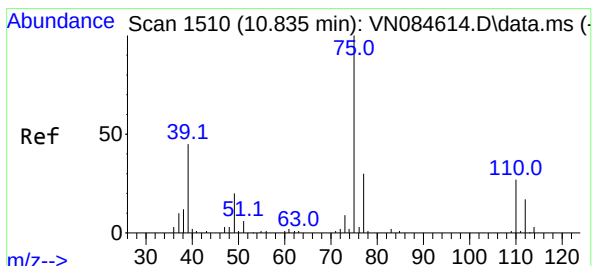
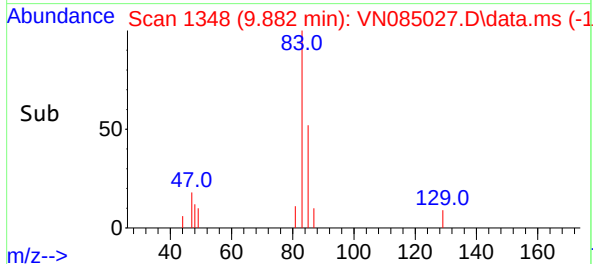
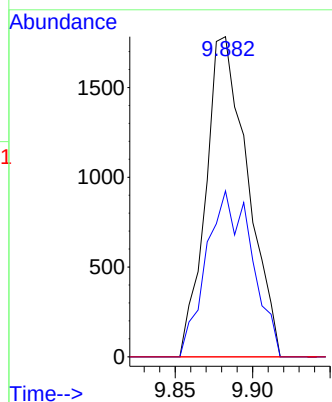


#41
Bromodichloromethane
Concen: 1.460 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

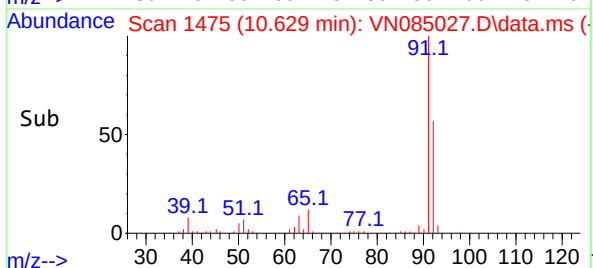
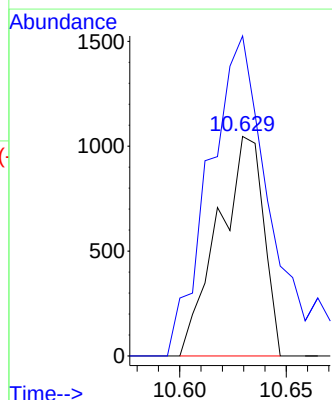
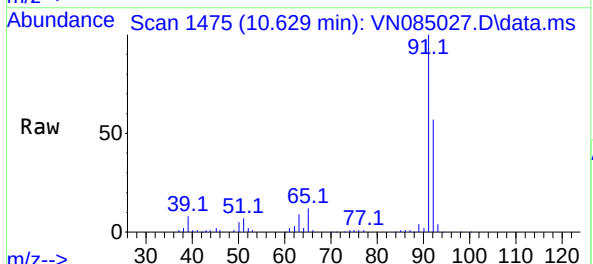


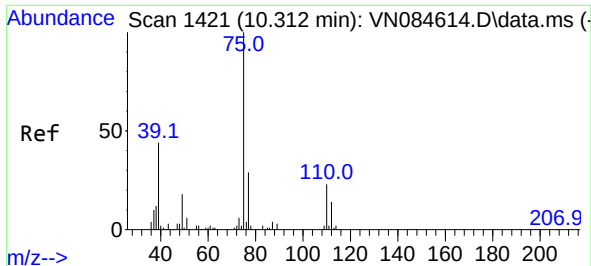
Tgt Ion: 83 Resp: 3352
Ion Ratio Lower Upper
83 100
85 51.8 51.0 76.6
127 0.0 7.8 11.6#



#48
t-1,3-Dichloropropene
Concen: 0.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.206 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

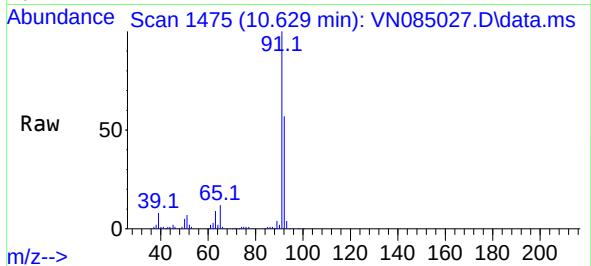
Tgt Ion: 75 Resp: 1547
Ion Ratio Lower Upper
75 100
77 119.4 24.4 36.6#



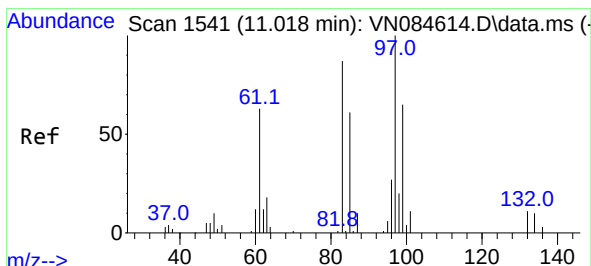
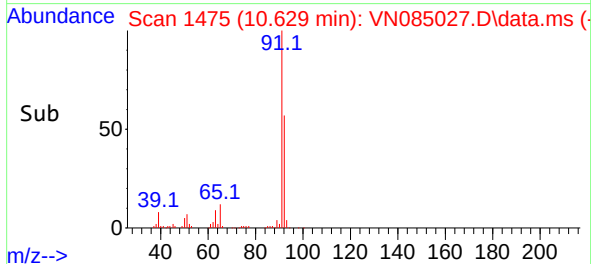
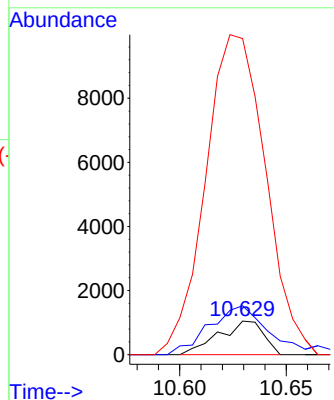


#49
cis-1,3-Dichloropropene
Concen: 0.637 ug/l
RT: 10.629 min Scan# 1492
Delta R.T. 0.318 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

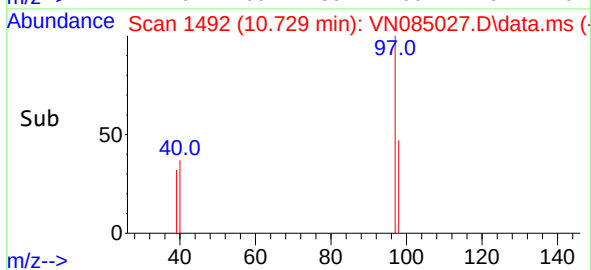
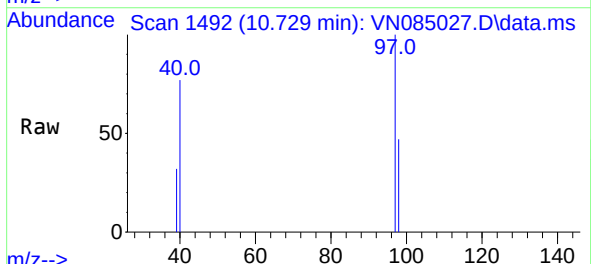
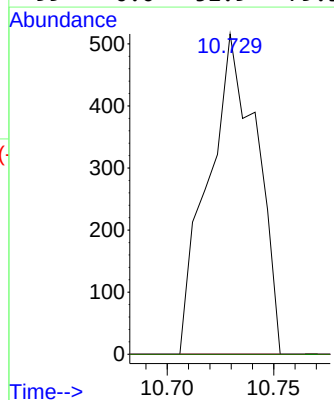


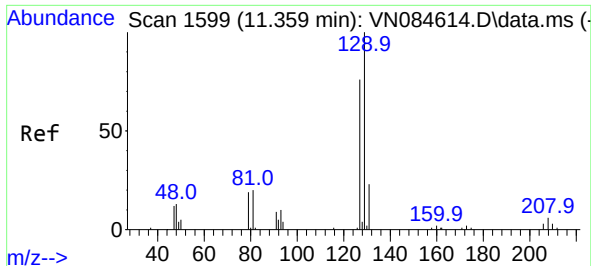
Tgt Ion: 75 Resp: 1547
Ion Ratio Lower Upper
75 100
77 119.4 23.4 35.2#
39 832.1 35.4 53.2#



#50
1,1,2-Trichloroethane
Concen: 0.570 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.288 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 97 Resp: 819
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 48.6 73.0#
99 0.0 52.9 79.3#

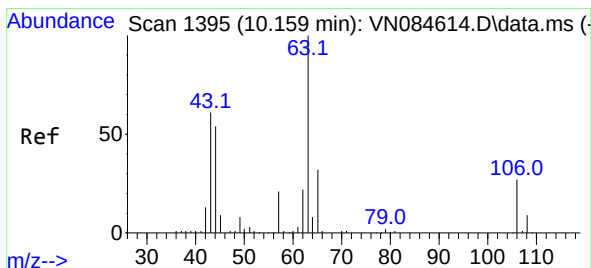
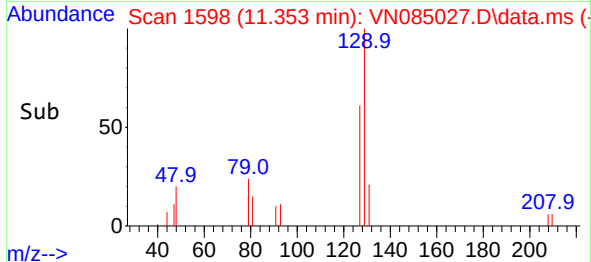
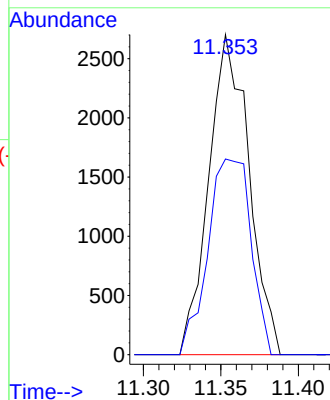
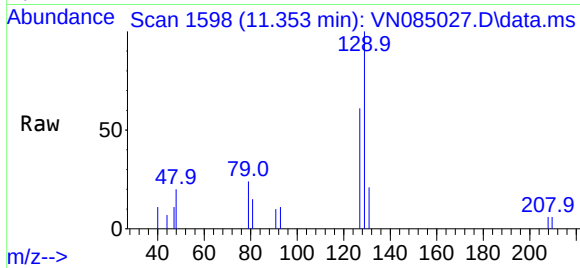




#53
Dibromochloromethane
Concen: 2.897 ug/l
RT: 11.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

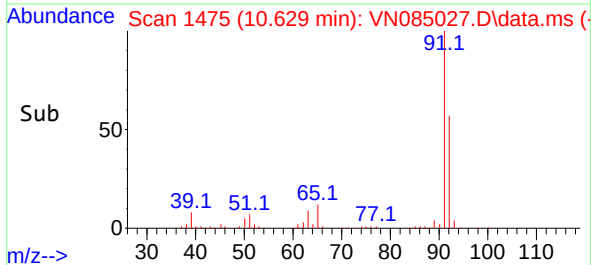
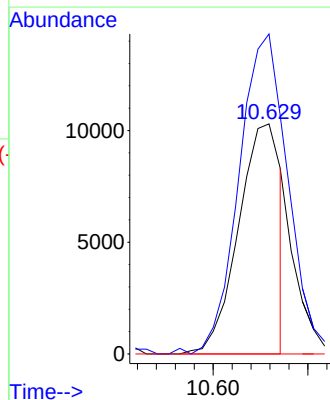
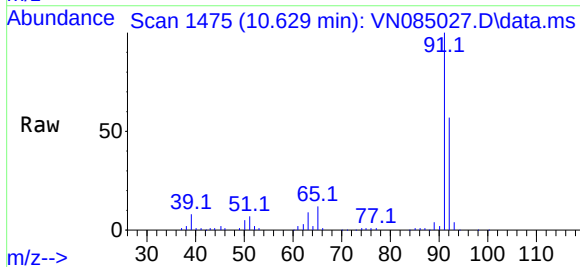
Instrument :
MSVOA_N
ClientSampleId :

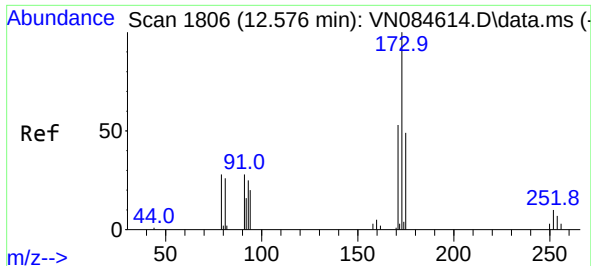
Tgt Ion:129 Resp: 4870
Ion Ratio Lower Upper
129 100
127 65.6 39.6 119.0



#55
2-Chloroethyl vinyl ether
Concen: 14.733 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.471 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

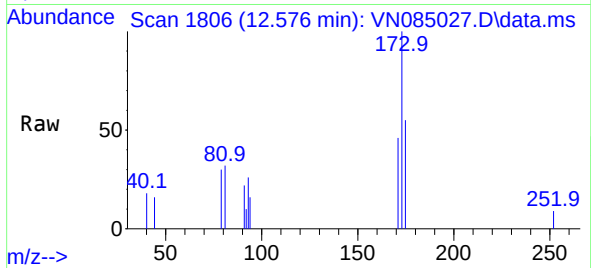
Tgt Ion: 63 Resp: 15995
Ion Ratio Lower Upper
63 100
65 134.5 25.5 38.3#
106 0.0 22.3 33.5#



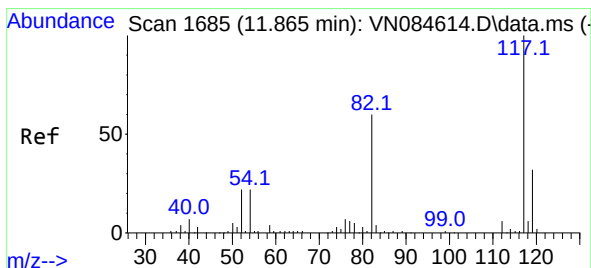
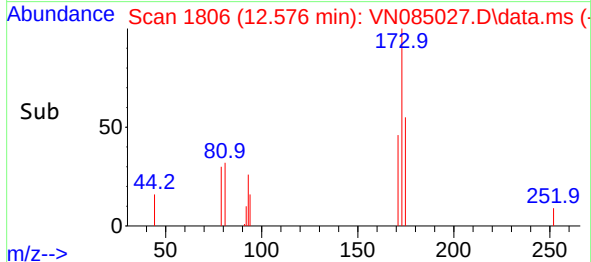
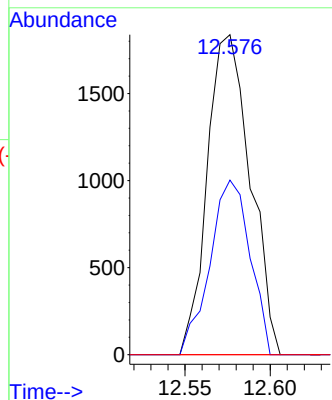


#56
Bromoform
Concen: 2.864 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

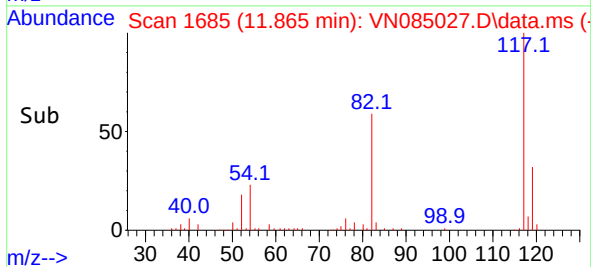
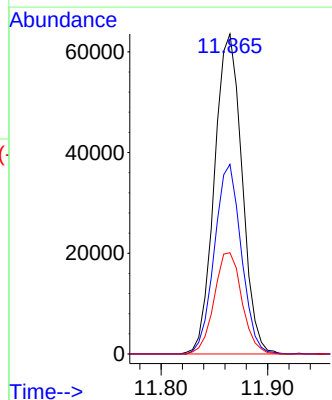
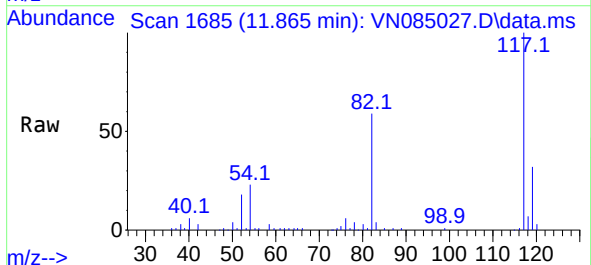


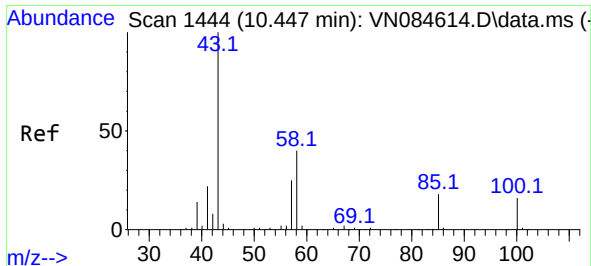
Tgt Ion:173 Resp: 3227
Ion Ratio Lower Upper
173 100
175 50.9 39.4 59.2
254 0.0 6.4 9.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

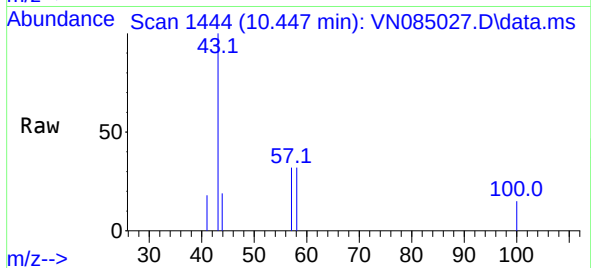
Tgt Ion:117 Resp: 114318
Ion Ratio Lower Upper
117 100
82 57.8 45.5 68.3
119 31.8 25.3 37.9



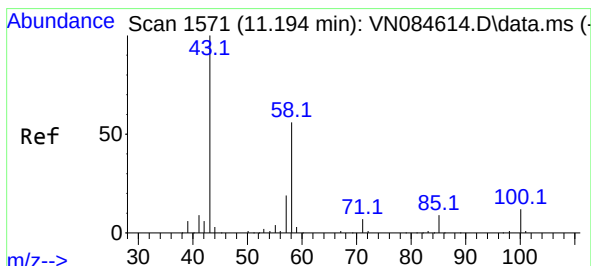
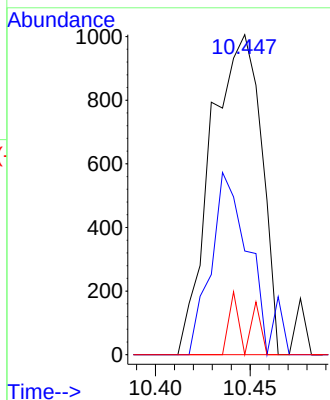
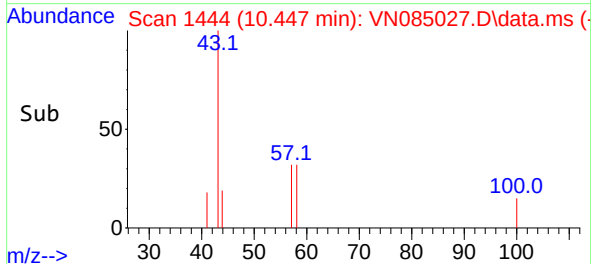


#58
4-Methyl-2-Pentanone
Concen: 1.034 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

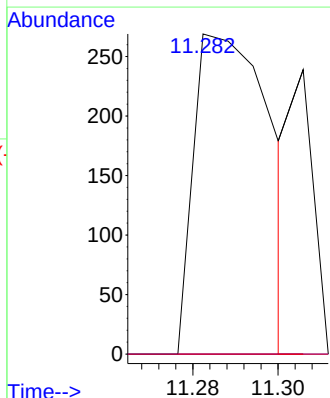
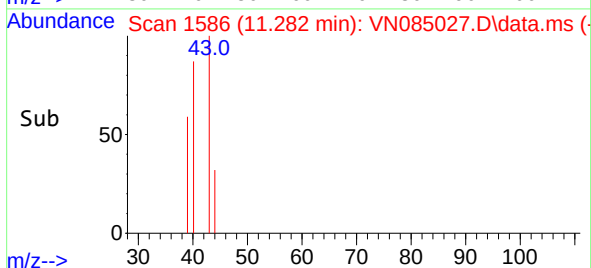
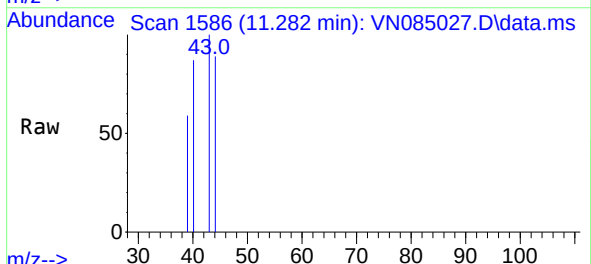


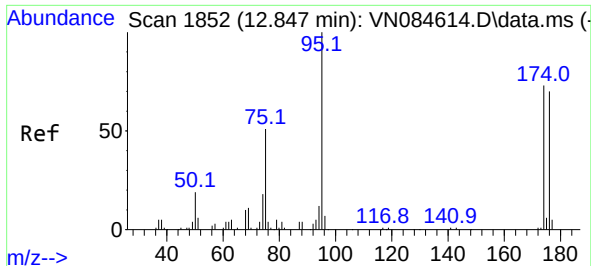
Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
58 40.7 31.2 46.8
85 3.8 14.9 22.3#



#59
2-Hexanone
Concen: 0.254 ug/l
RT: 11.282 min Scan# 1586
Delta R.T. 0.088 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
58 0.0 43.8 65.6#
57 0.0 15.0 22.6#

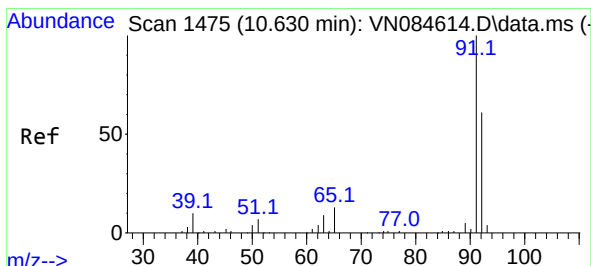
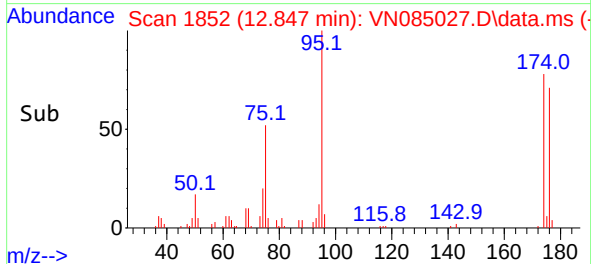
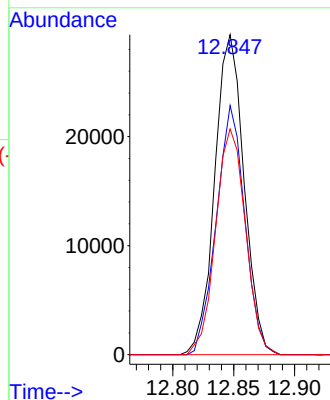
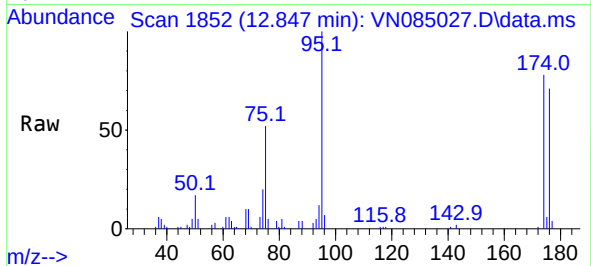




#60
4-Bromofluorobenzene
Concen: 24.998 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

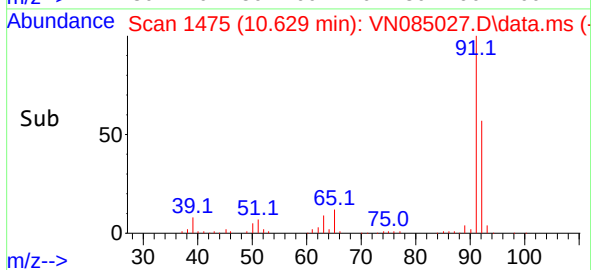
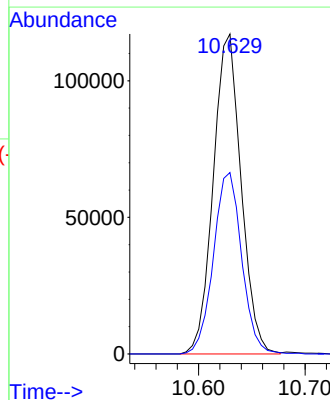
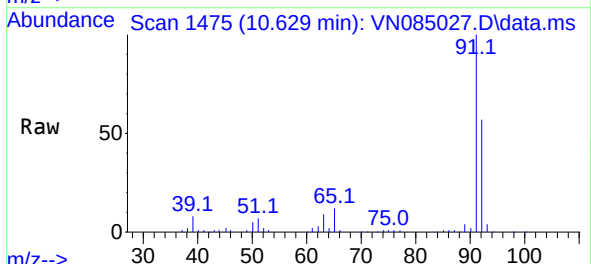
Instrument :
MSVOA_N
ClientSampleId :

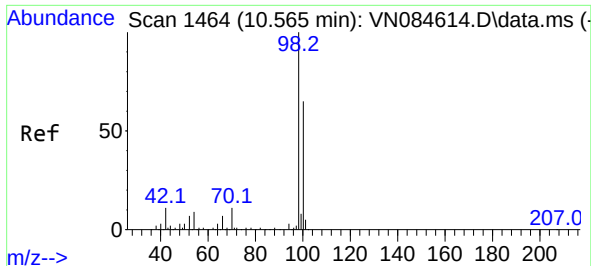
Tgt Ion: 95 Resp: 49205
Ion Ratio Lower Upper
95 100
174 75.7 59.6 89.4
176 71.7 58.6 88.0



#62
Toluene
Concen: 32.657 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

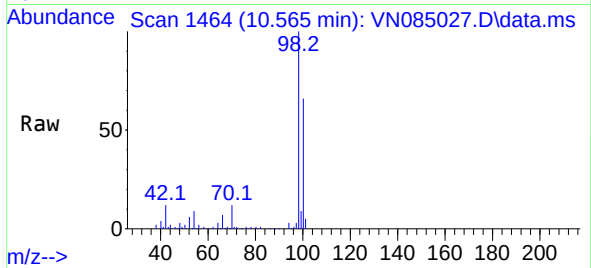
Tgt Ion: 91 Resp: 212631
Ion Ratio Lower Upper
91 100
92 57.5 47.5 71.3



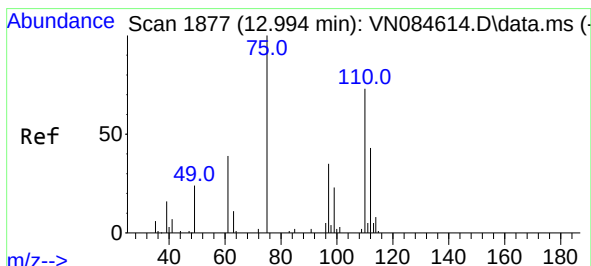
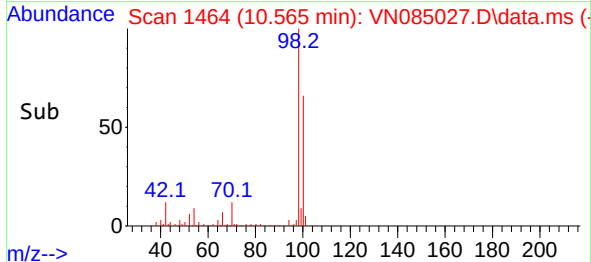
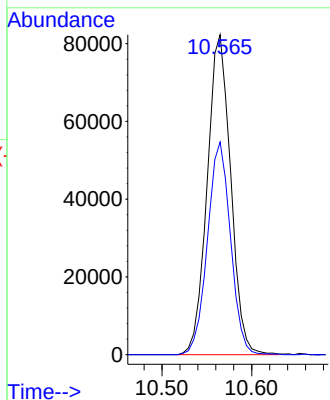


#63
Toluene-d8
Concen: 27.657 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

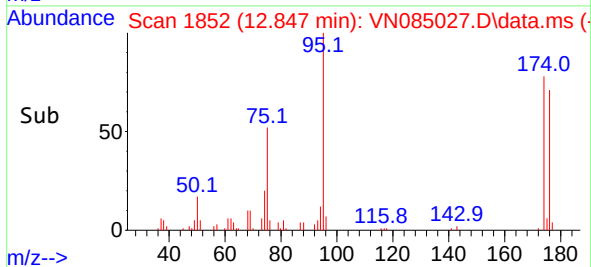
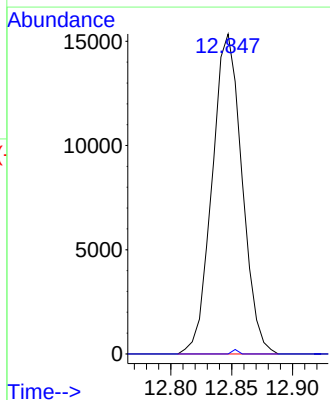
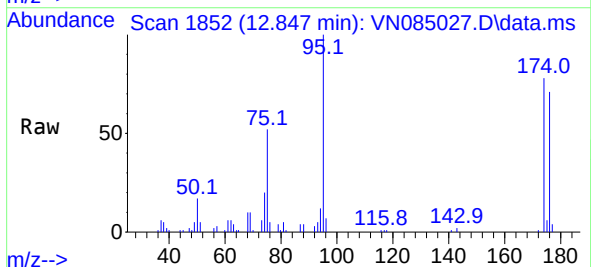


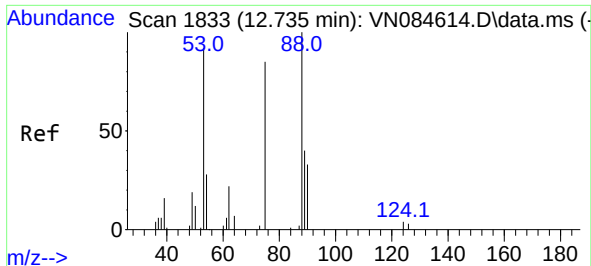
Tgt Ion: 98 Resp: 149673
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 15.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

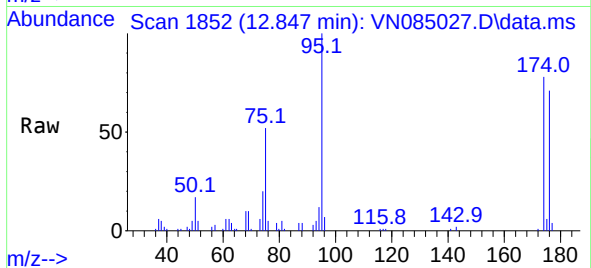
Tgt Ion: 75 Resp: 26248
Ion Ratio Lower Upper
75 100
77 0.6 0.0 358.4



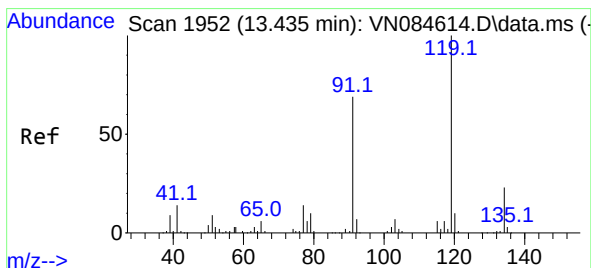
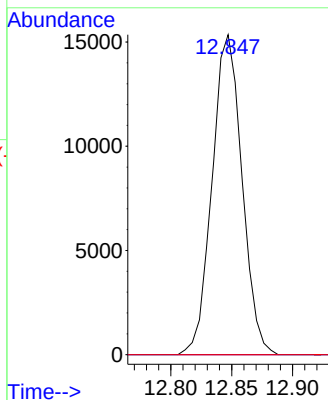
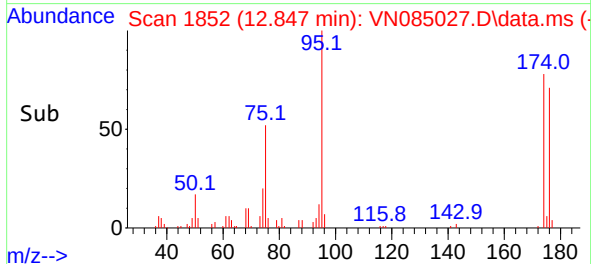


#77
t-1,4-Dichloro-2-butene
Concen: 36.834 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

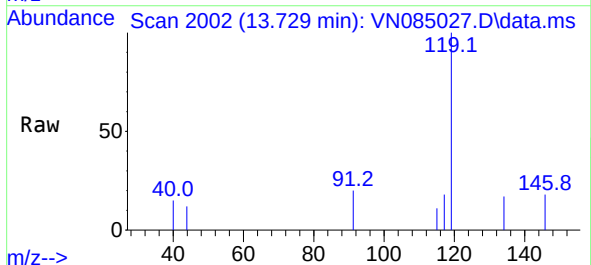
Instrument :
MSVOA_N
ClientSampleId :



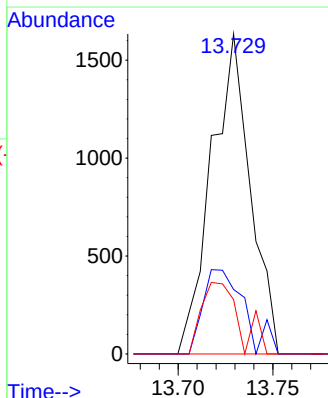
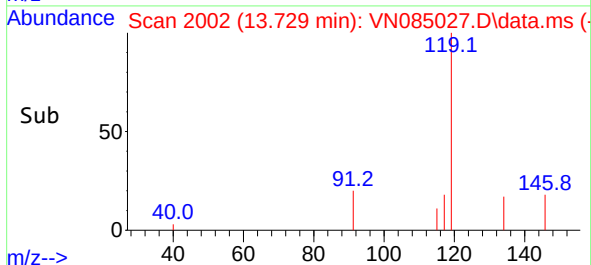
Tgt Ion: 75 Resp: 26248
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

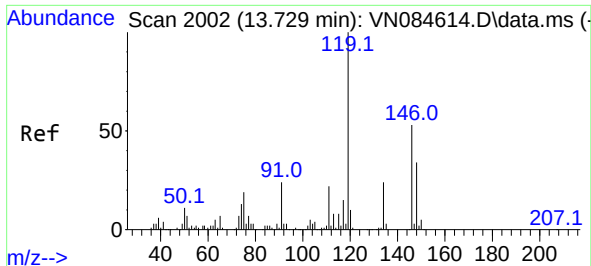


#79
tert-butylbenzene
Concen: 0.526 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.294 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38



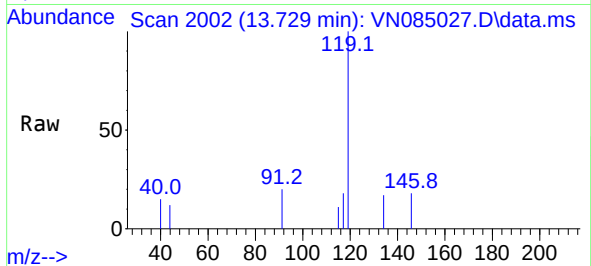
Tgt Ion: 119 Resp: 2333
Ion Ratio Lower Upper
119 100
91 2.7 0.0 143.2
134 3.3 0.0 49.4



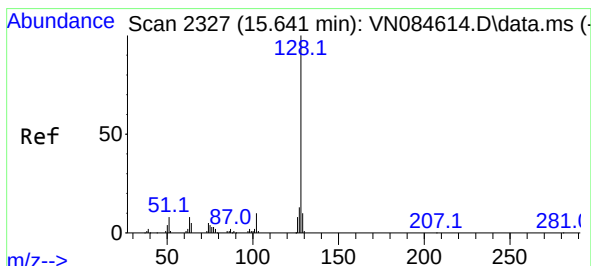
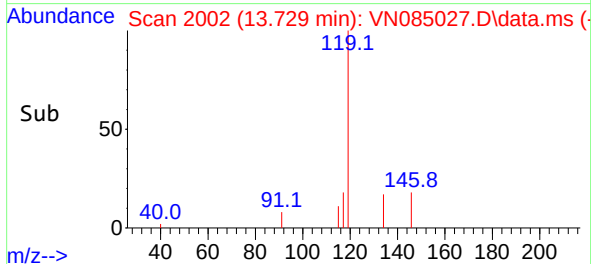
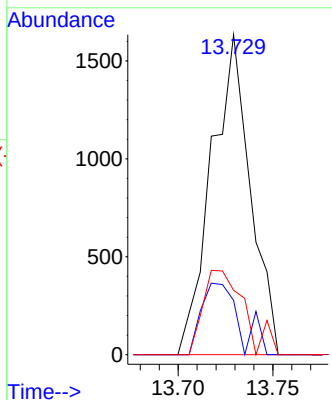


#82
p-Isopropyltoluene
Concen: 0.454 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:119 Resp: 2333
Ion Ratio Lower Upper
119 100
134 3.3 0.0 51.4
91 2.7 0.0 50.4



#91
Naphthalene
Concen: 0.243 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085027.D
Acq: 25 Nov 2024 13:38

Tgt Ion:128 Resp: 1113
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

