

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074545.D
 Acq On : 17 Sep 2022 06:10
 Operator : JC\MD
 Sample : N4549-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-61

Quant Time: Sep 17 07:14:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	279988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	552355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	543439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	237357	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	225686	47.506	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.020%
35) Dibromofluoromethane	7.951	113	184474	50.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.560%
50) Toluene-d8	10.380	98	688973	48.553	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.674	95	254440	52.353	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.700%

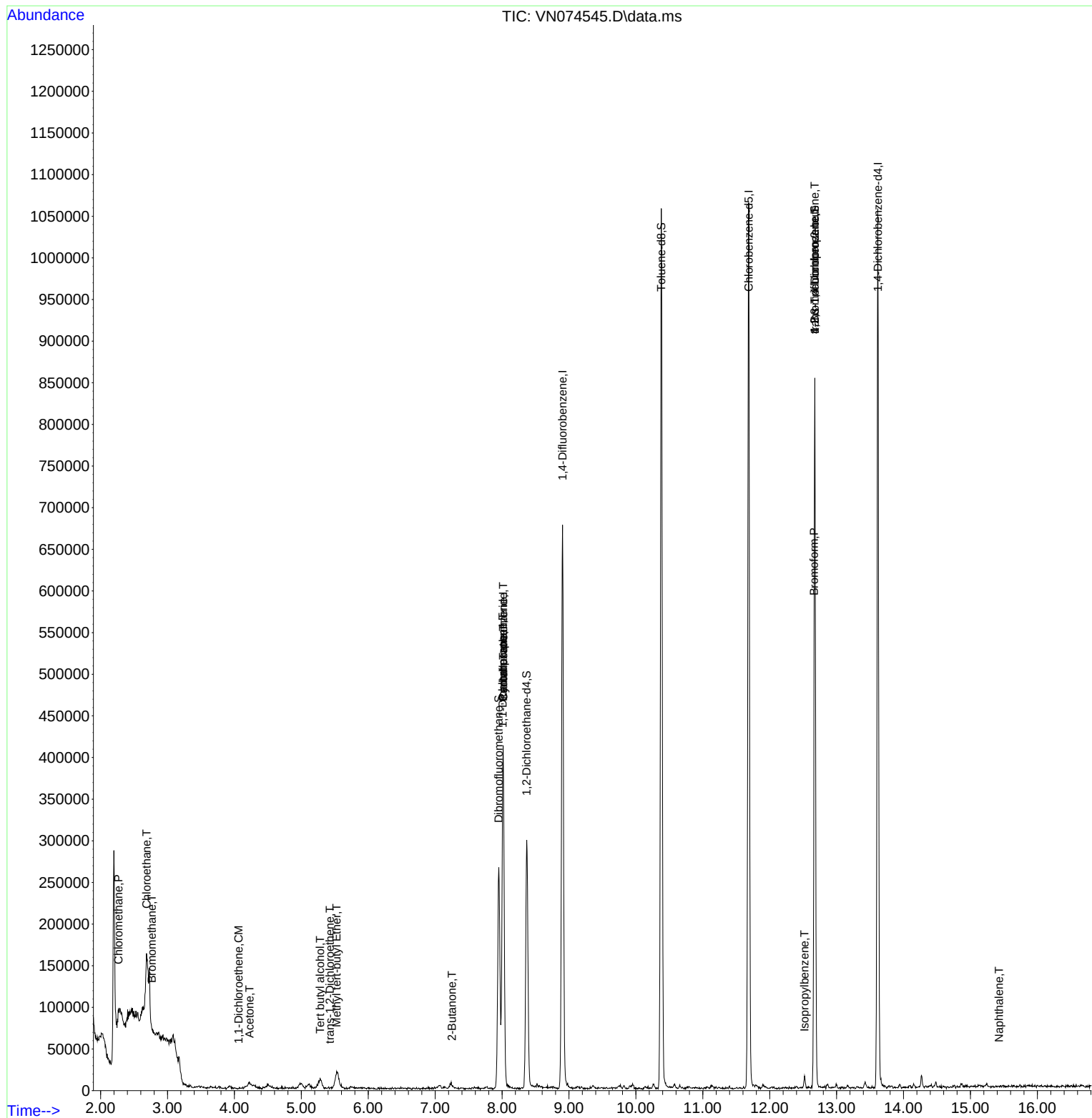
Target Compounds						Qvalue
3) Chloromethane	2.269	50	3858	1.007	ug/l #	82
5) Bromomethane	2.763	94	1001	0.346	ug/l #	2
6) Chloroethane	2.687	64	26816	7.157	ug/l #	63
11) Tert butyl alcohol	5.281	59	19289	12.464	ug/l #	93
12) 1,1-Dichloroethene	4.063	96	64	0.702	ug/l #	1
16) Acetone	4.228	43	12285	4.041	ug/l	94
19) Methyl tert-butyl Ether	5.528	73	27088	1.743	ug/l	95
21) trans-1,2-Dichloroethene	5.428	96	218	0.482	ug/l #	1
25) 2-Butanone	7.251	43	1514	0.300	ug/l #	45
31) Cyclohexane	8.016	56	11655	1.382	ug/l #	30
36) 1,1-Dichloropropene	8.010	75	28106	4.328	ug/l #	47
38) Carbon Tetrachloride	8.016	117	31635	5.276	ug/l #	20
71) Bromoform	12.663	173	1490	0.409	ug/l #	28
73) Isopropylbenzene	12.521	105	8213	0.338	ug/l	92
76) 1,2,3-Trichloropropane	12.674	75	151903	20.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	151903	44.875	ug/l #	10
95) Naphthalene	15.427	128	226	1.600	ug/l #	61

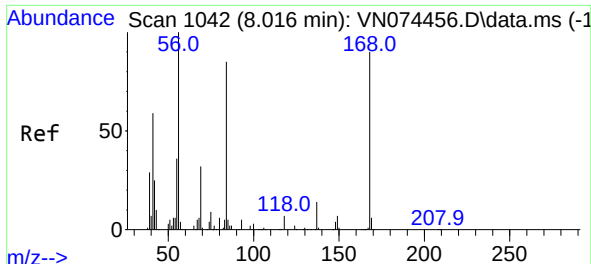
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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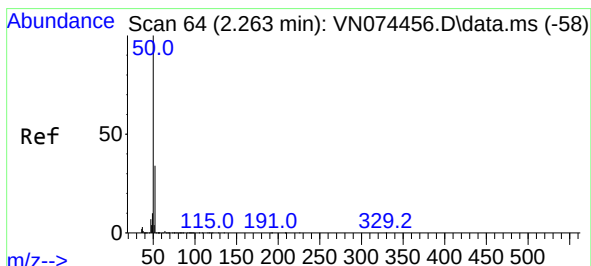
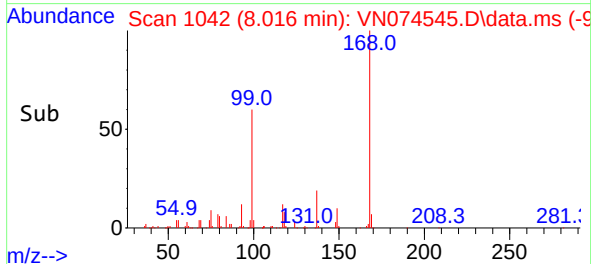
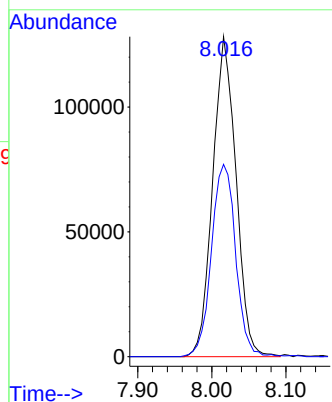
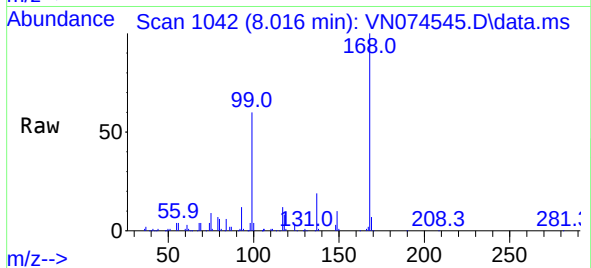




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

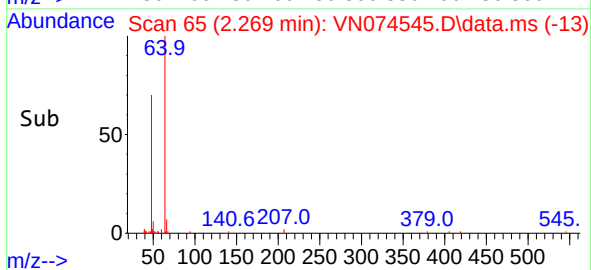
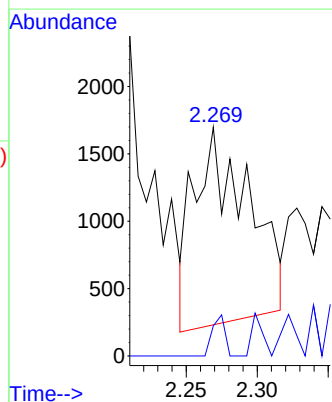
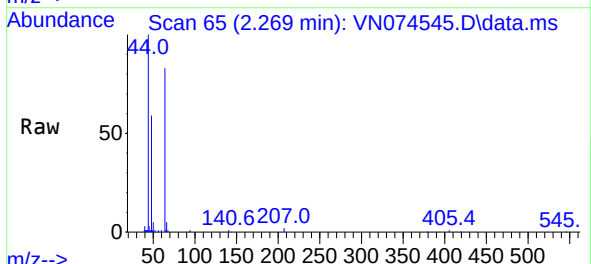
Instrument :
MSVOA_N
ClientSampleId :
MW-61

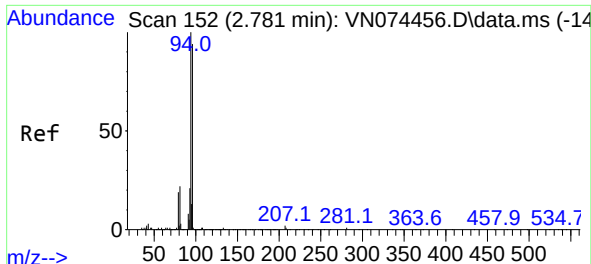
Tgt Ion:168 Resp: 279988
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#3
Chloromethane
Concen: 1.007 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 50 Resp: 3858
Ion Ratio Lower Upper
50 100
52 22.2 25.7 38.5#

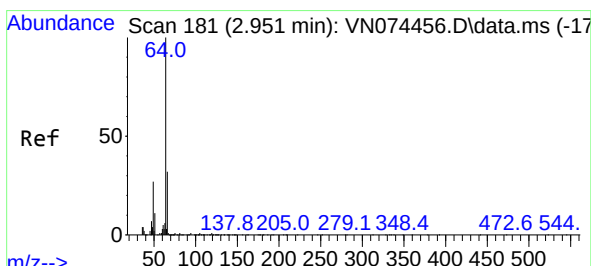
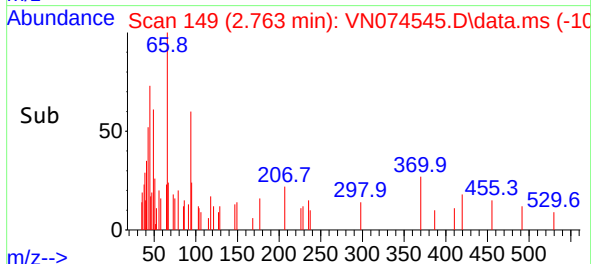
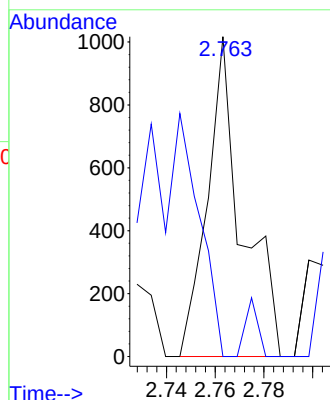
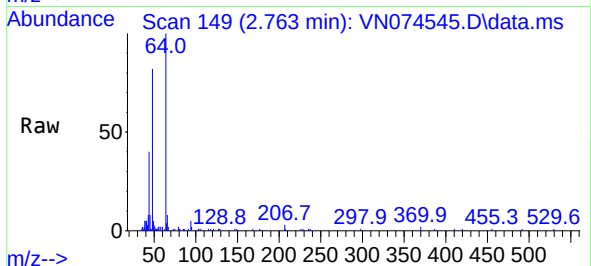




#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.763 min Scan# 14
Delta R.T. -0.018 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

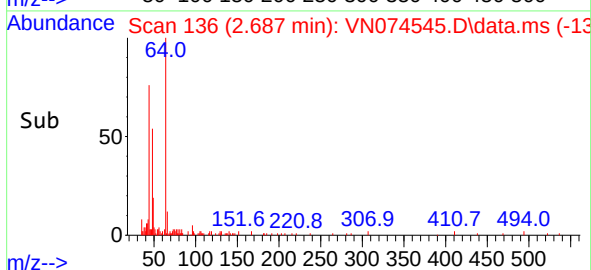
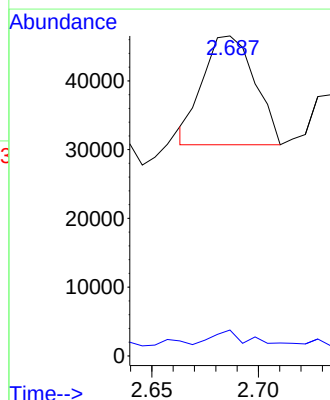
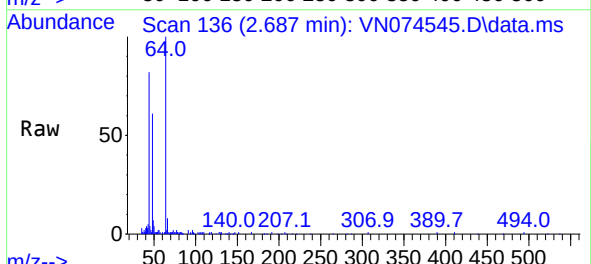
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ClientSampleId :
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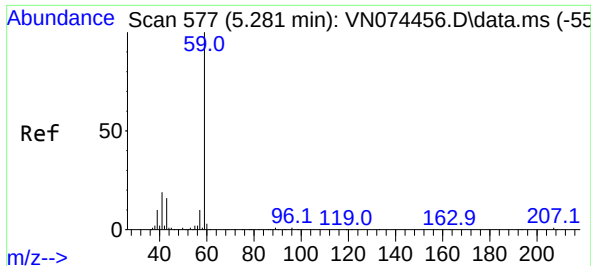
Tgt Ion: 94 Resp: 1001
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 7.157 ug/l
RT: 2.687 min Scan# 136
Delta R.T. -0.264 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 64 Resp: 26816
Ion Ratio Lower Upper
64 100
66 11.8 26.2 39.4#

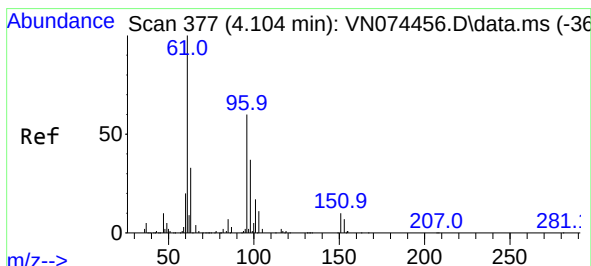
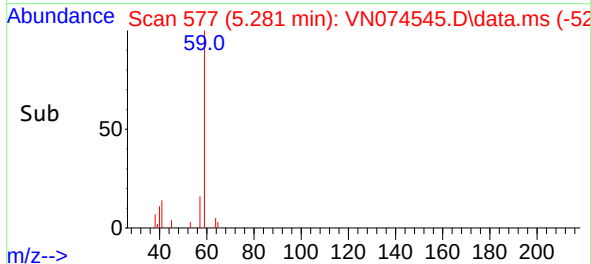
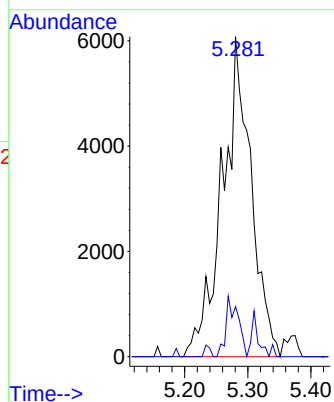
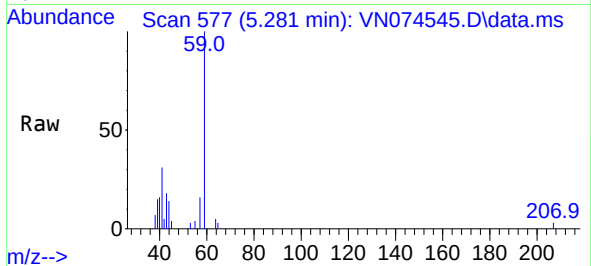




#11
Tert butyl alcohol
Concen: 12.464 ug/l
RT: 5.281 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

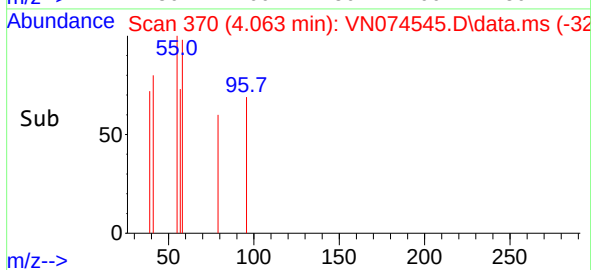
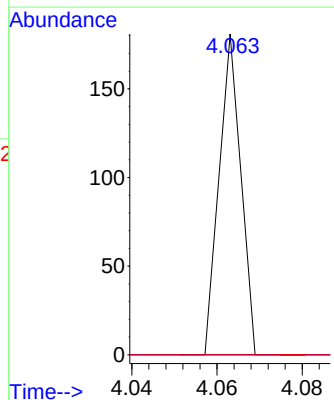
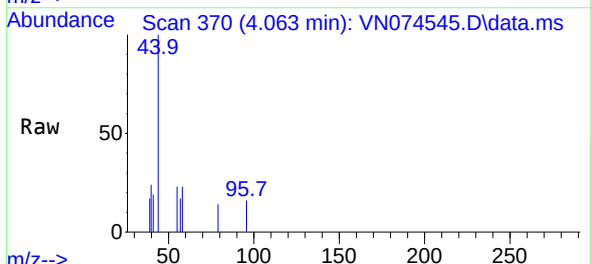
Instrument :
MSVOA_N
ClientSampleId :
MW-61

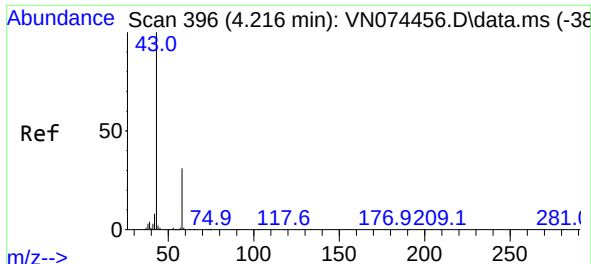
Tgt Ion: 59 Resp: 19289
Ion Ratio Lower Upper
59 100
57 8.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.702 ug/l
RT: 4.063 min Scan# 370
Delta R.T. -0.041 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

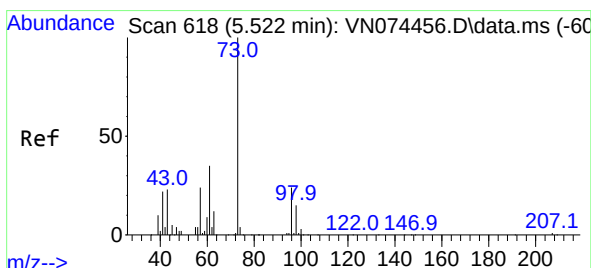
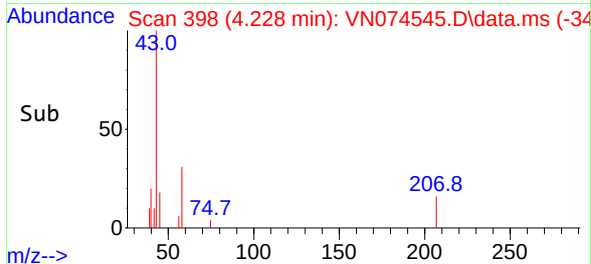
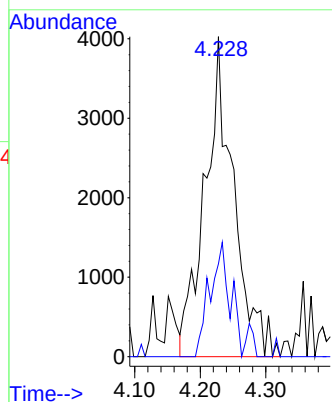
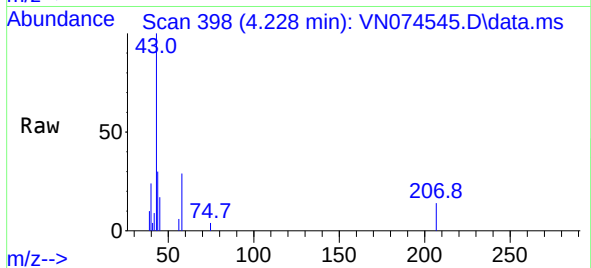




#16
Acetone
Concen: 4.041 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

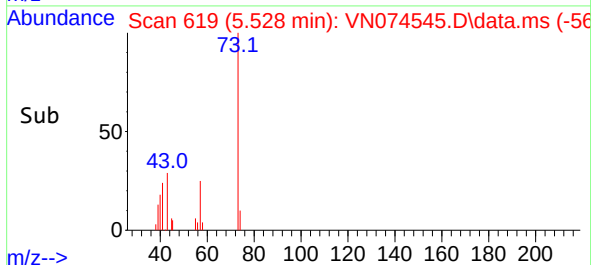
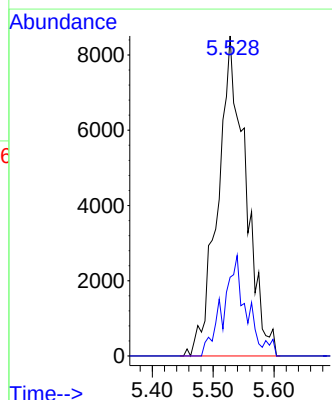
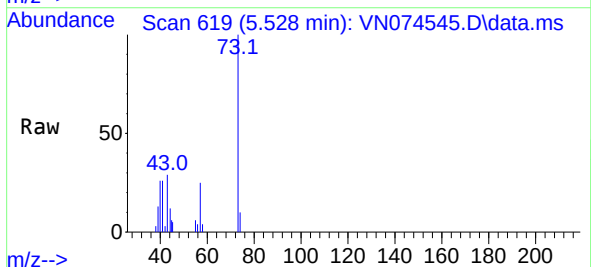
Instrument :
MSVOA_N
ClientSampleId :
MW-61

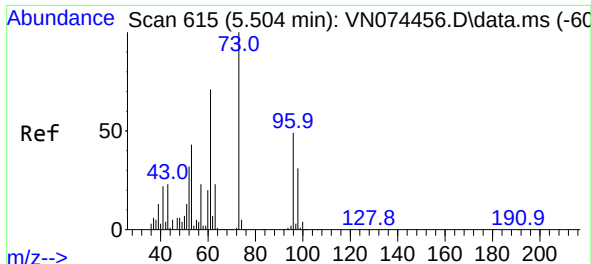
Tgt Ion: 43 Resp: 12285
Ion Ratio Lower Upper
43 100
58 29.0 26.0 39.0



#19
Methyl tert-butyl Ether
Concen: 1.743 ug/l
RT: 5.528 min Scan# 619
Delta R.T. 0.006 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 73 Resp: 27088
Ion Ratio Lower Upper
73 100
57 24.6 17.6 26.4

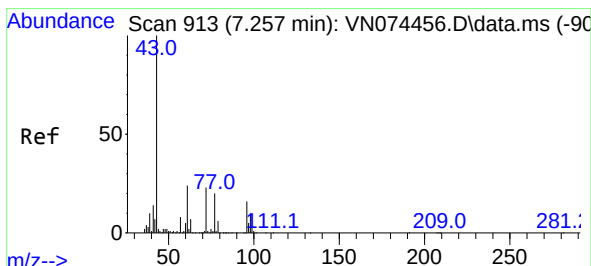
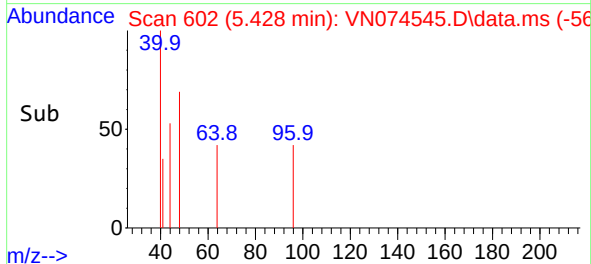
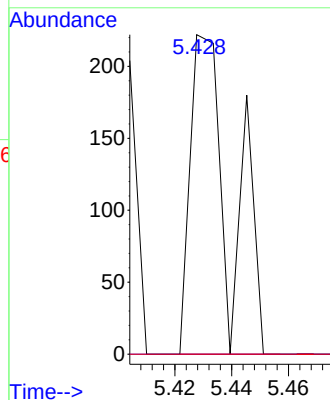
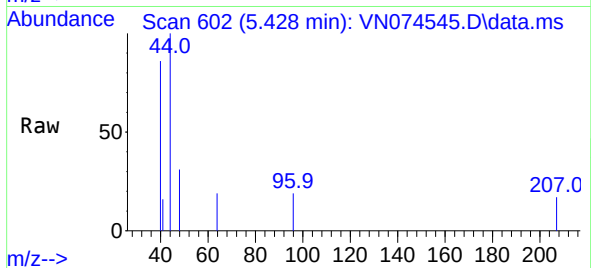




#21
trans-1,2-Dichloroethene
Concen: 0.482 ug/l
RT: 5.428 min Scan# 602
Delta R.T. -0.076 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

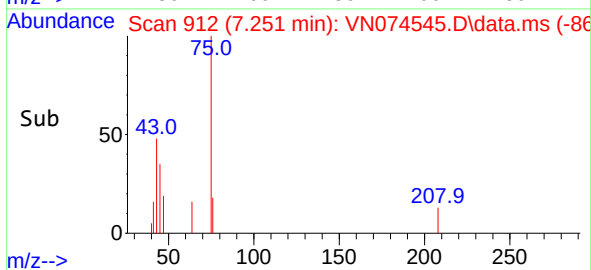
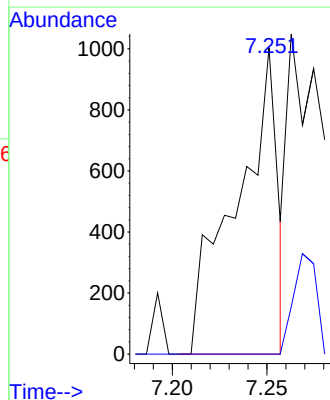
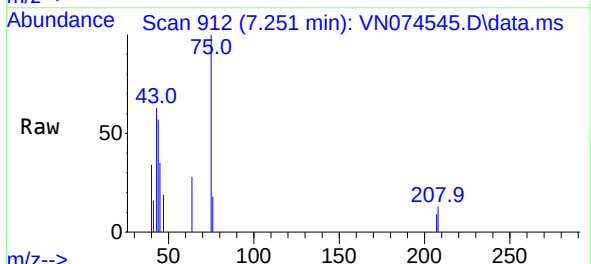
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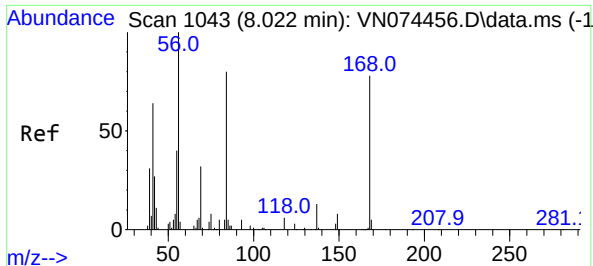
Tgt Ion: 96 Resp: 218
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.300 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.006 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

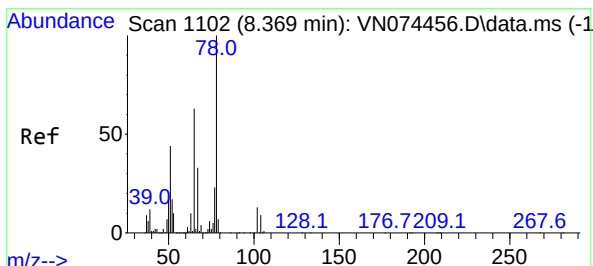
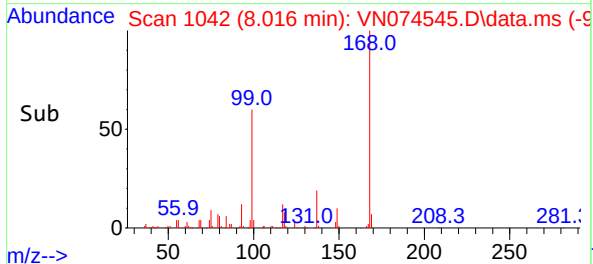
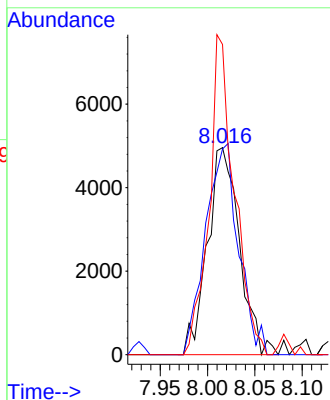
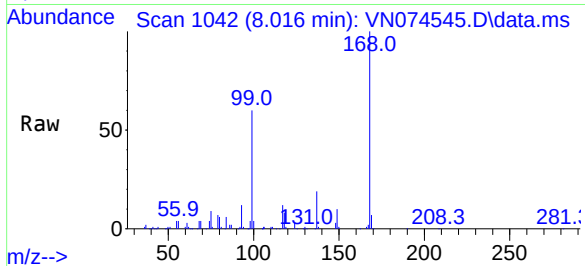




#31
Cyclohexane
Concen: 1.382 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

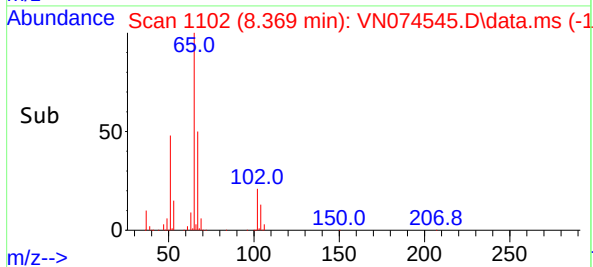
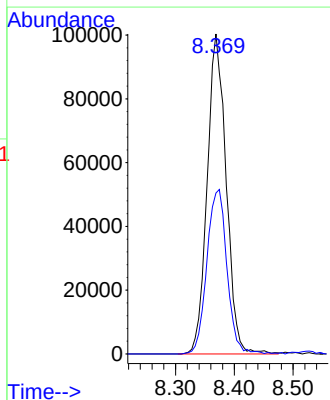
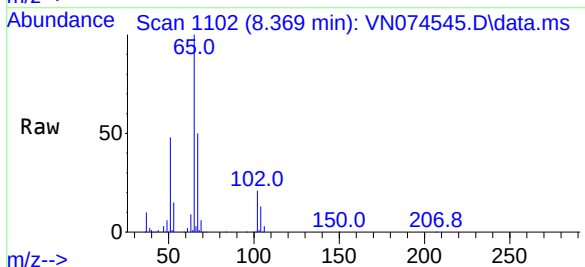
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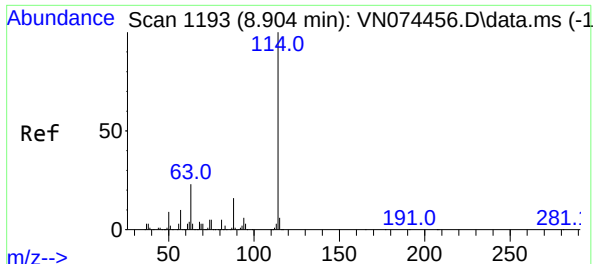
Tgt Ion: 56 Resp: 11655
Ion Ratio Lower Upper
56 100
69 99.4 27.8 41.8#
84 149.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.506 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 65 Resp: 225686
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.8



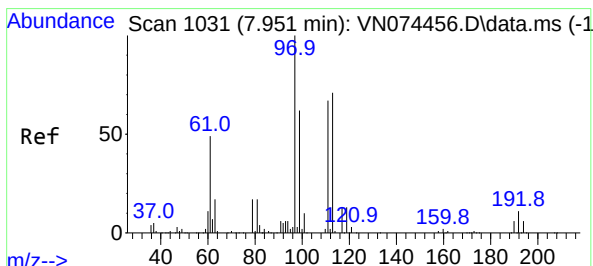
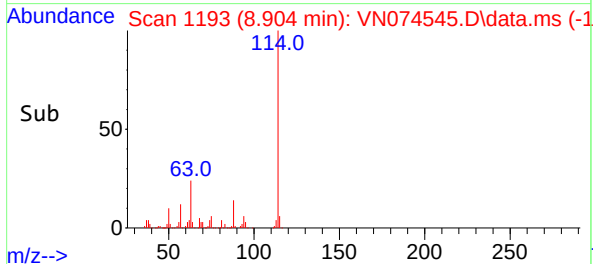
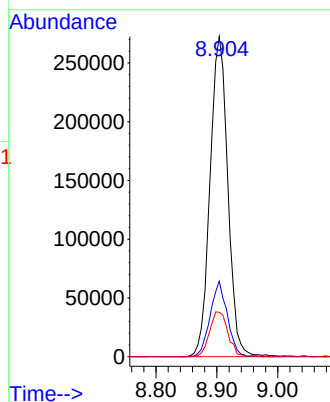
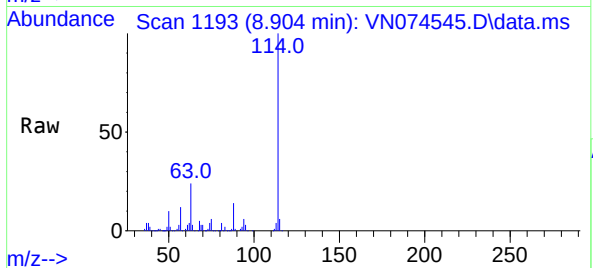


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Instrument :
MSVOA_N
ClientSampleId :
MW-61

Tgt Ion:114 Resp: 552355

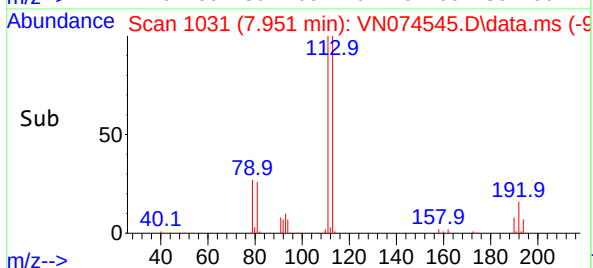
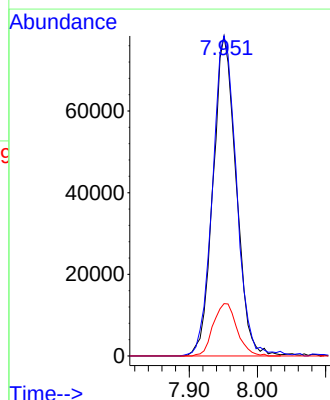
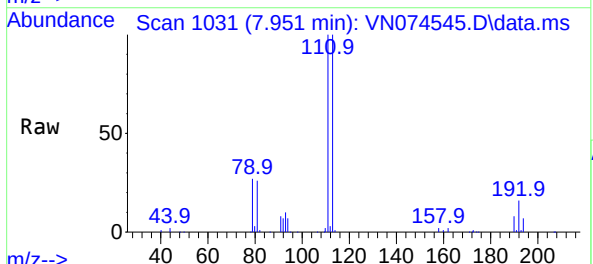
Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	40.0
88	13.9	0.0	32.6

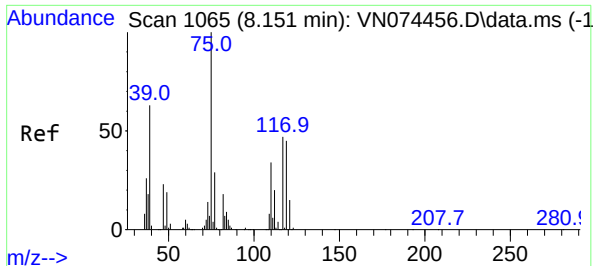


#35
Dibromofluoromethane
Concen: 50.276 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion:113 Resp: 184474

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	16.9	17.0	25.6

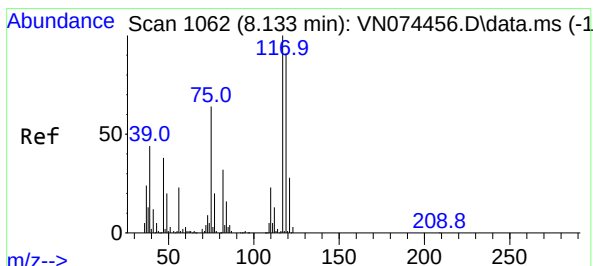
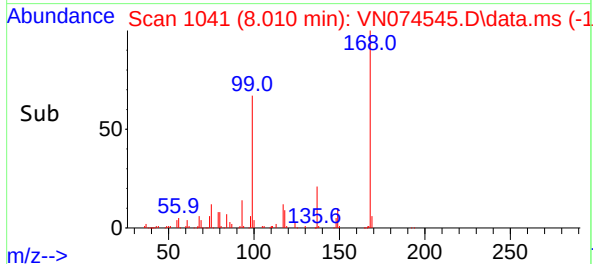
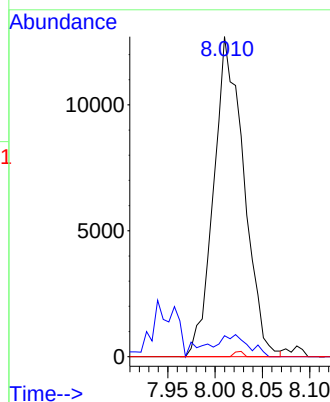
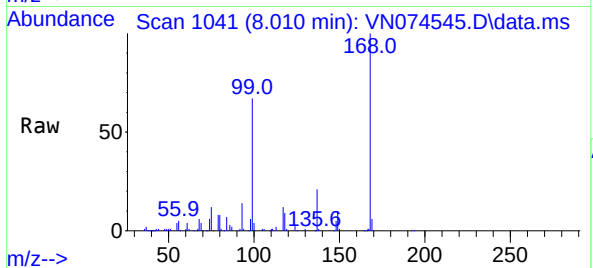




#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

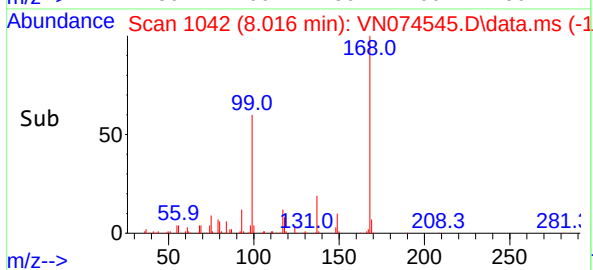
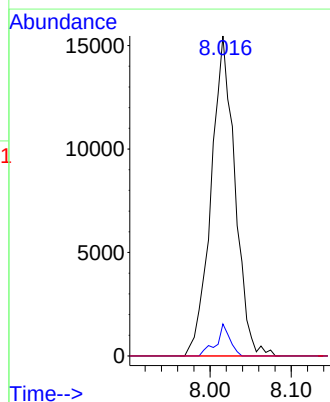
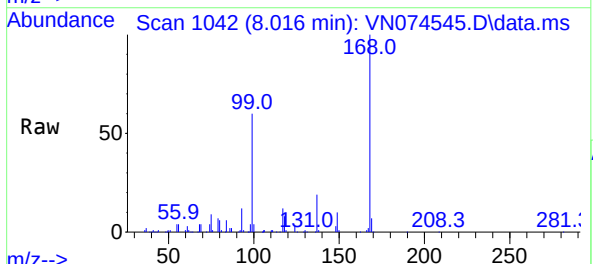
Instrument :
MSVOA_N
ClientSampleId :
MW-61

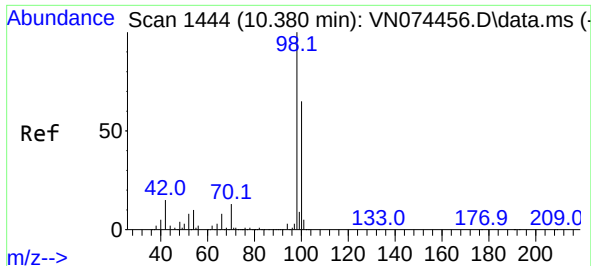
Tgt Ion: 75 Resp: 28106
Ion Ratio Lower Upper
75 100
110 6.3 18.3 54.8#
77 0.5 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 117 Resp: 31635
Ion Ratio Lower Upper
117 100
119 10.0 75.8 113.8#
121 0.0 24.6 37.0#

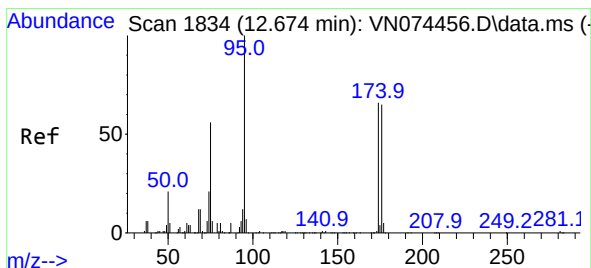
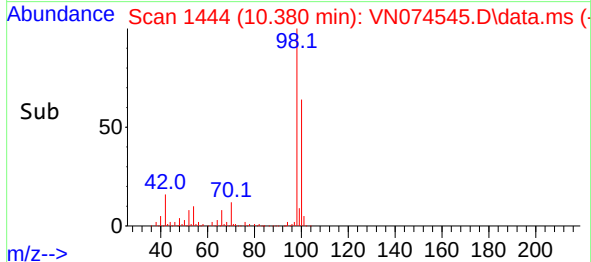
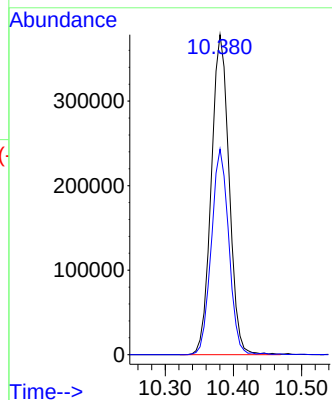
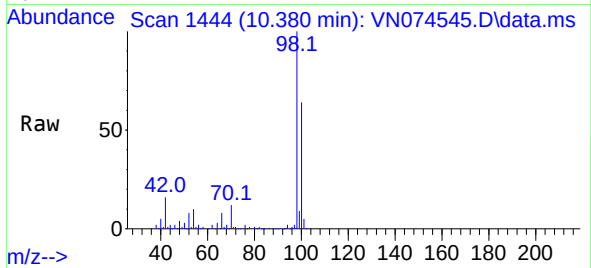




#50
Toluene-d8
Concen: 48.553 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

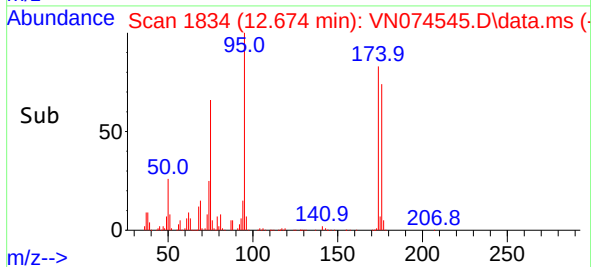
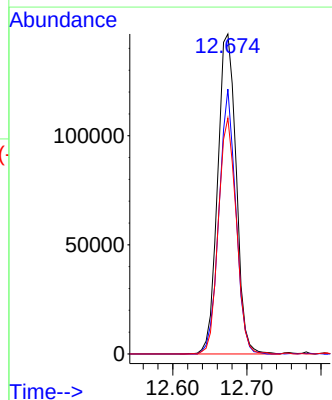
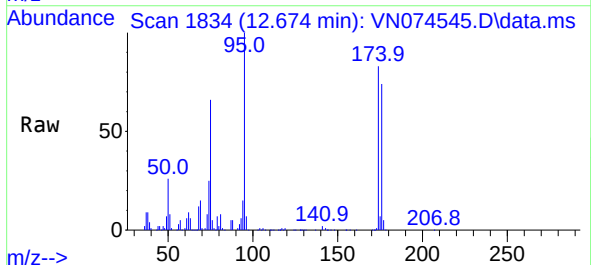
Instrument :
MSVOA_N
ClientSampleId :
MW-61

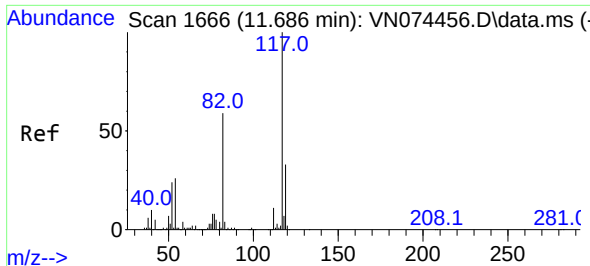
Tgt Ion: 98 Resp: 688973
Ion Ratio Lower Upper
98 100
100 62.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 52.353 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion: 95 Resp: 254440
Ion Ratio Lower Upper
95 100
174 74.8 0.0 167.6
176 71.2 0.0 163.4

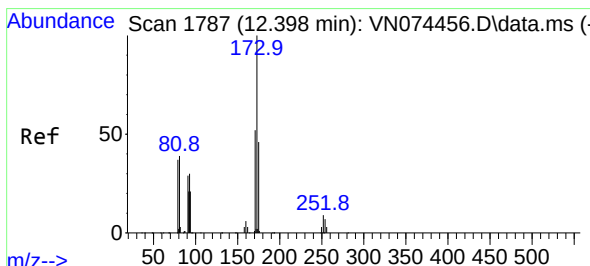
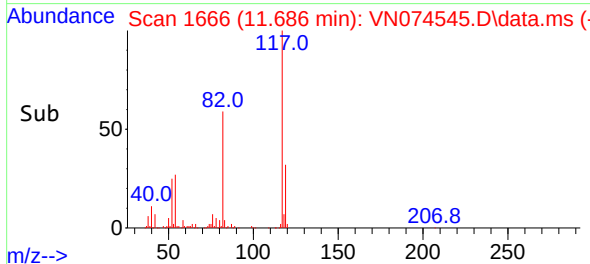
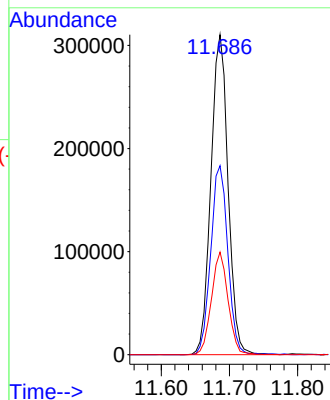
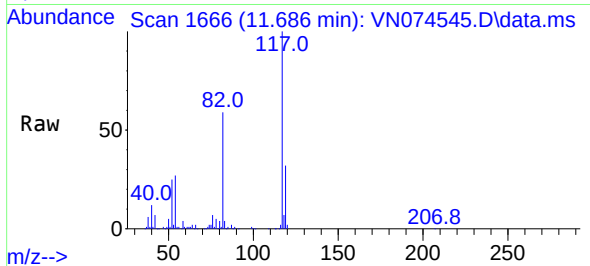




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

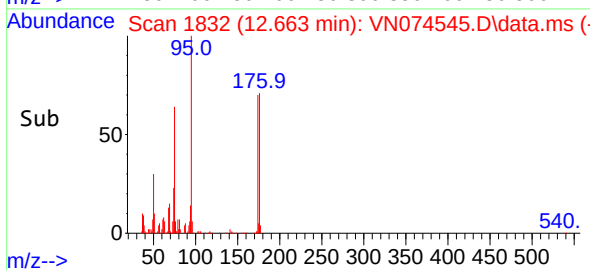
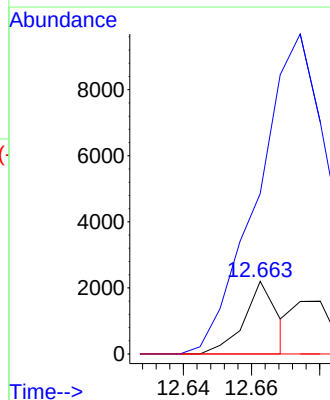
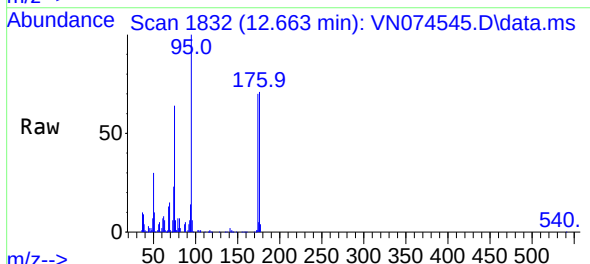
Instrument :
MSVOA_N
ClientSampleId :
MW-61

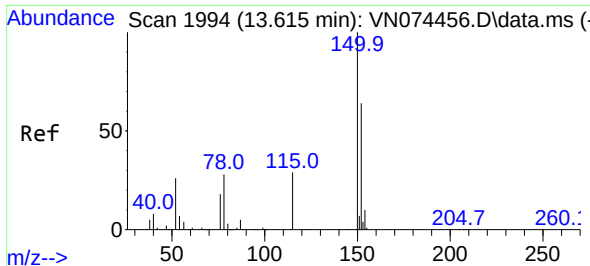
Tgt Ion:117 Resp: 543439
Ion Ratio Lower Upper
117 100
82 59.0 44.2 66.2
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.409 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.264 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Tgt Ion:173 Resp: 1490
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



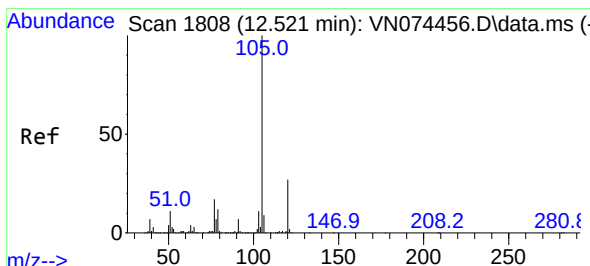
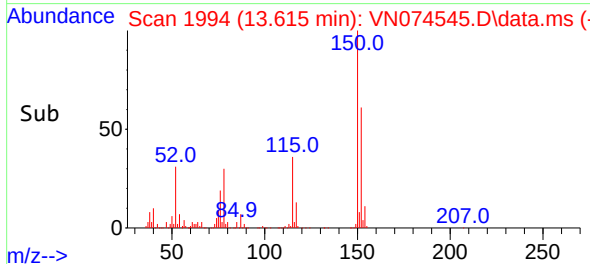
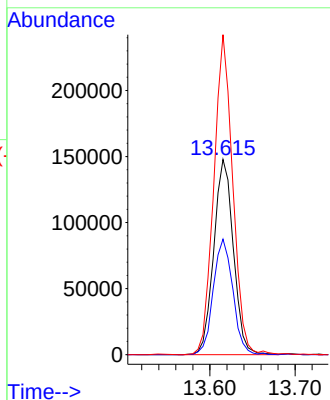
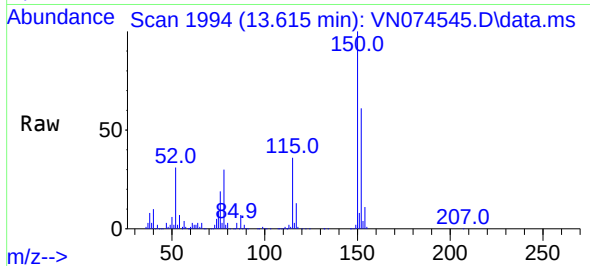


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074545.D
 Acq: 17 Sep 2022 06:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-61

Tgt Ion:152 Resp: 237357

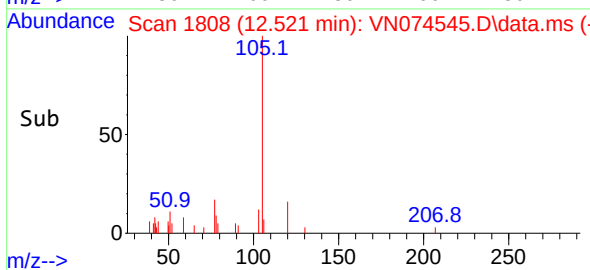
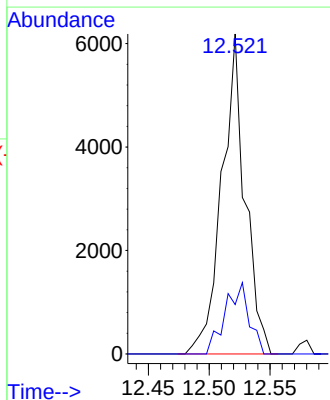
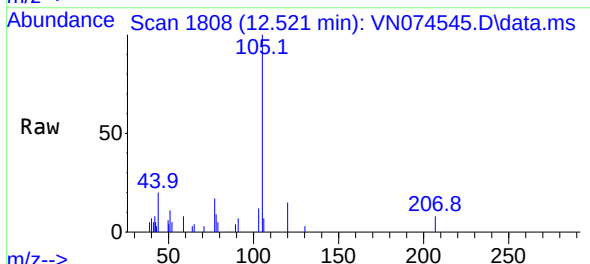
Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.9	86.7
150	158.4	0.0	356.2

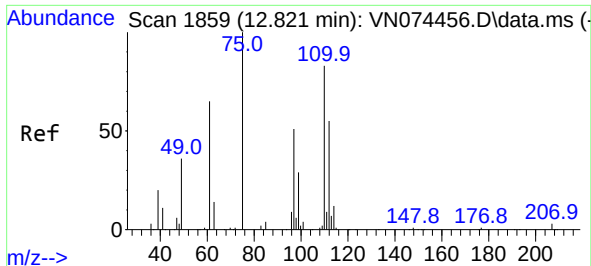


#73
 Isopropylbenzene
 Concen: 0.338 ug/l
 RT: 12.521 min Scan# 1808
 Delta R.T. 0.000 min
 Lab File: VN074545.D
 Acq: 17 Sep 2022 06:10

Tgt Ion:105 Resp: 8213

Ion	Ratio	Lower	Upper
105	100		
120	22.7	13.5	40.4

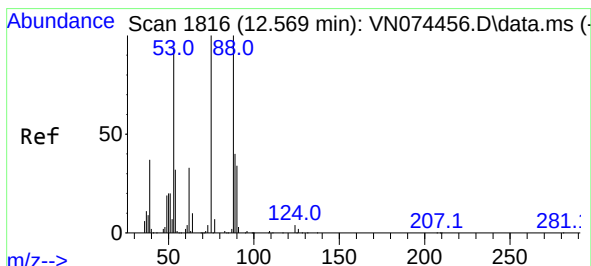
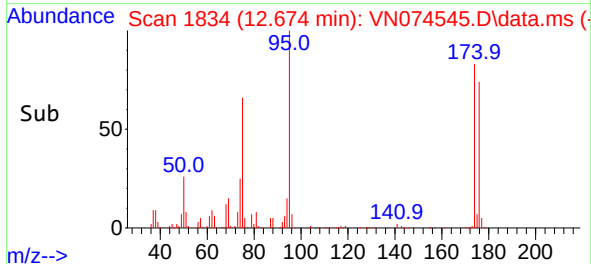
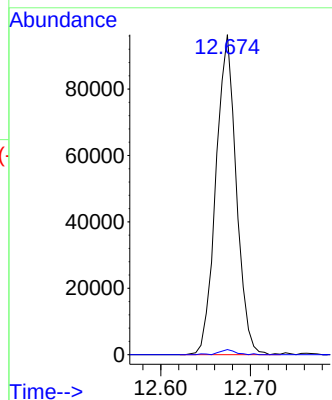
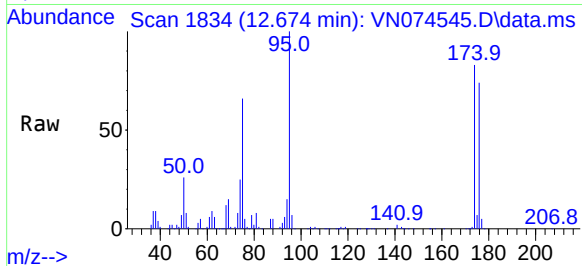




#76
1,2,3-Trichloropropane
Concen: 20.792 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

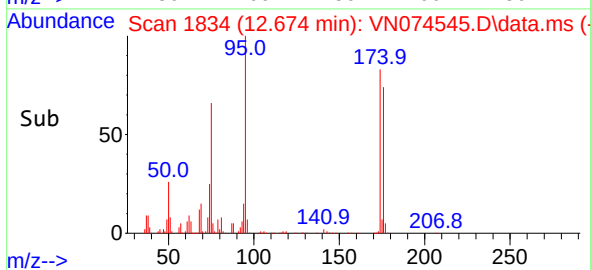
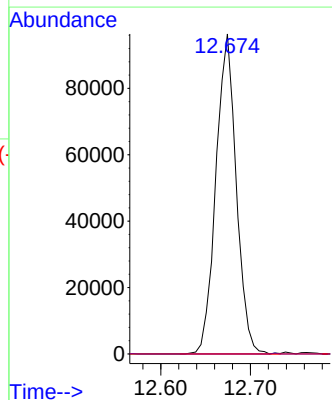
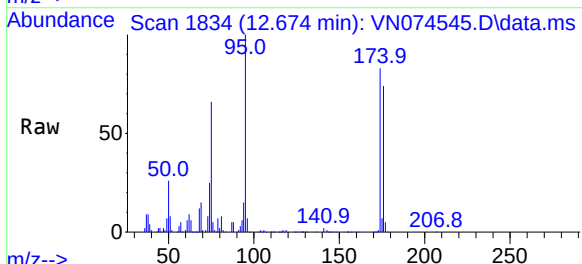
Instrument :
MSVOA_N
ClientSampleId :
MW-61

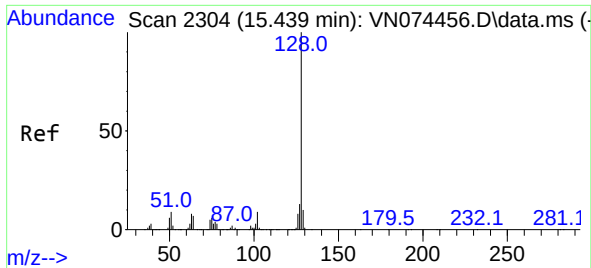
Tgt Ion: 75 Resp: 151903
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.875 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

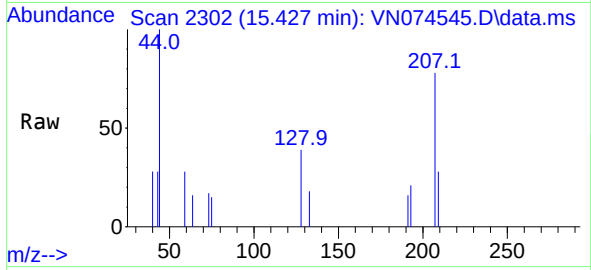
Tgt Ion: 75 Resp: 151903
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.600 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074545.D
Acq: 17 Sep 2022 06:10

Instrument :
MSVOA_N
ClientSampleId :
MW-61



Tgt Ion:128 Resp: 226
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 28.3 8.6 13.0#

