

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074578.D
 Acq On : 19 Sep 2022 11:49
 Operator : JC\MD
 Sample : VN0919WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBL01

Quant Time: Sep 20 04:18:13 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)

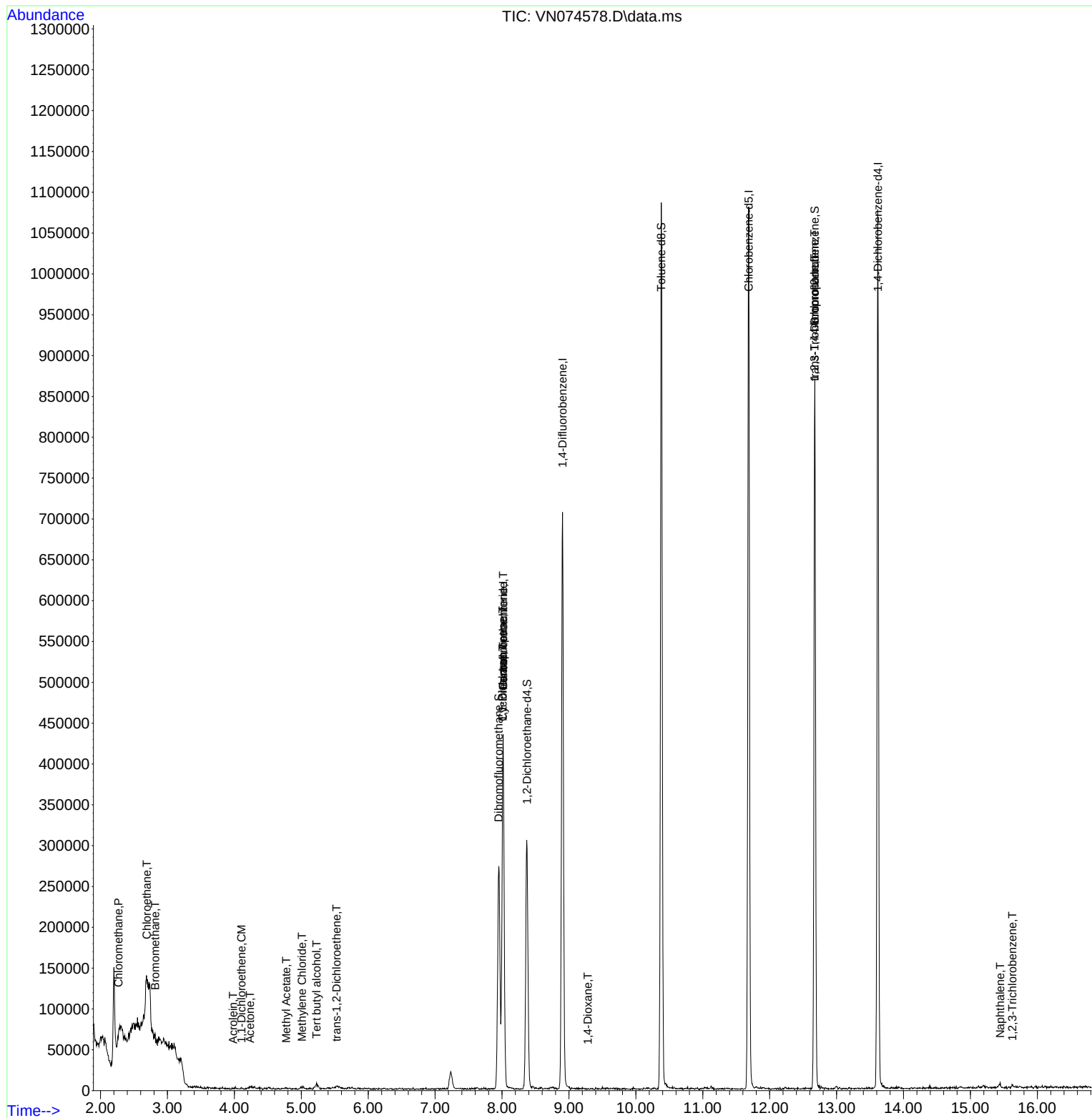
Internal Standards						
1) Pentafluorobenzene	8.016	168	295077	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	577538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	550137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	242412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	238664	47.669	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.340%
35) Dibromofluoromethane	7.951	113	193930	50.549	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	10.381	98	707610	47.692	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.380%
62) 4-Bromofluorobenzene	12.675	95	269578	53.049	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2519	0.722	ug/l	94
5) Bromomethane	2.816	94	1414	0.464	ug/l	# 28
6) Chloroethane	2.693	64	16659	4.219	ug/l	# 45
11) Tert butyl alcohol	5.228	59	4253	2.608	ug/l	# 77
12) 1,1-Dichloroethene	4.104	96	183	0.731	ug/l	# 1
13) Acrolein	3.981	56	435	0.730	ug/l	# 69
16) Acetone	4.234	43	2405	0.751	ug/l	# 71
18) Methyl Acetate	4.775	43	3279	0.330	ug/l	# 53
20) Methylene Chloride	5.010	84	835	0.201	ug/l	# 25
21) trans-1,2-Dichloroethene	5.528	96	62	0.443	ug/l	# 1
31) Cyclohexane	8.010	56	9424	1.060	ug/l	# 48
36) 1,1-Dichloropropene	8.010	75	29090	4.284	ug/l	# 51
38) Carbon Tetrachloride	8.016	117	32924	5.251	ug/l	# 16
49) 1,4-Dioxane	9.281	88	164	1.171	ug/l	# 14
76) 1,2,3-Trichloropropane	12.669	75	158437	21.234	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	158437	45.829	ug/l	# 10
95) Naphthalene	15.445	128	4857	1.816	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.627	180	743	1.482	ug/l	98

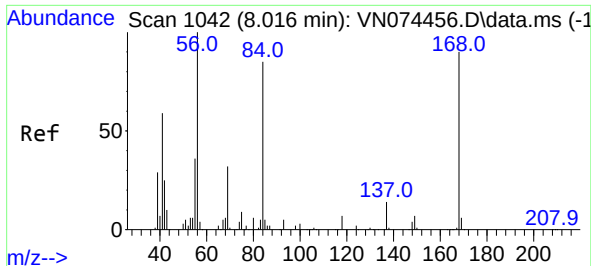
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 04:18:13 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

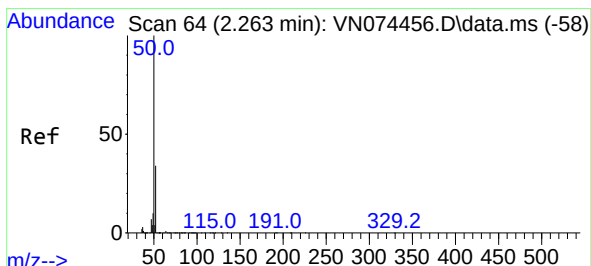
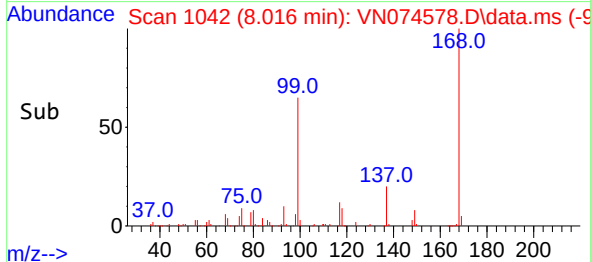
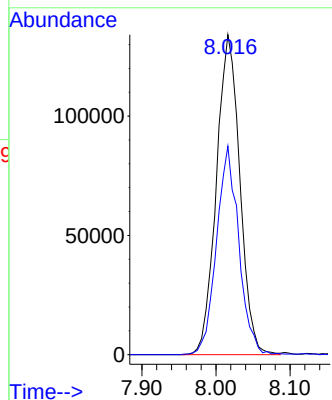
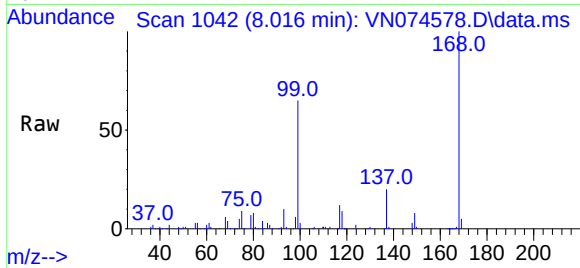




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

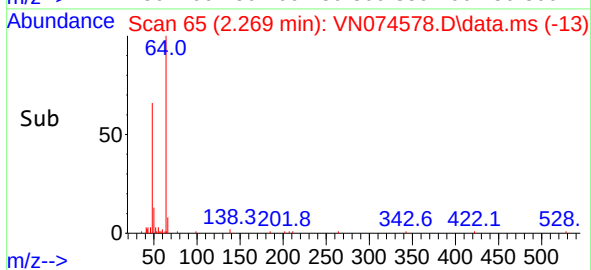
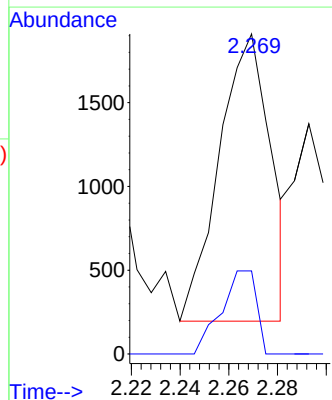
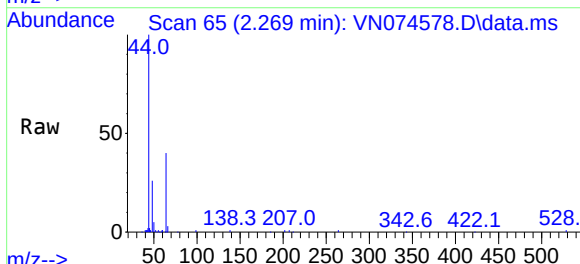
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

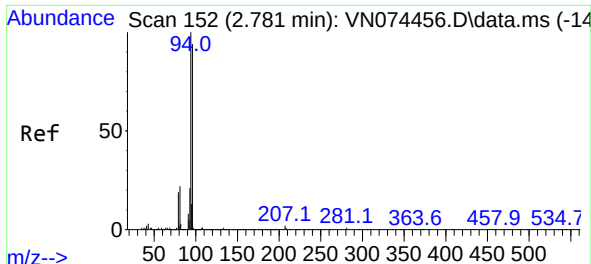
Tgt Ion:168 Resp: 295077
Ion Ratio Lower Upper
168 100
99 65.2 42.3 63.5#



#3
Chloromethane
Concen: 0.722 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 50 Resp: 2519
Ion Ratio Lower Upper
50 100
52 28.9 25.7 38.5

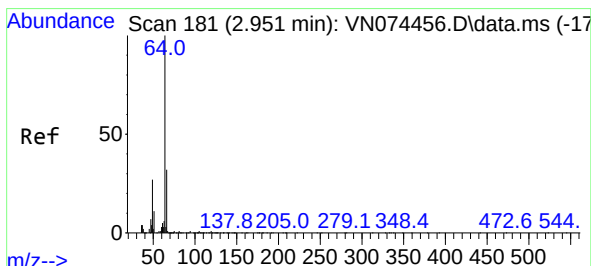
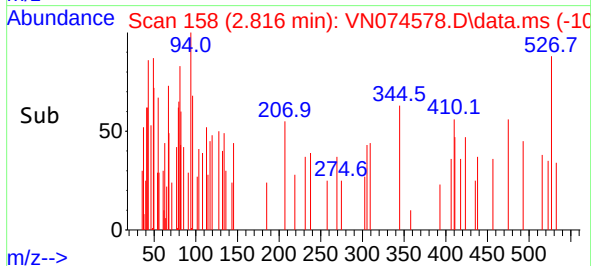
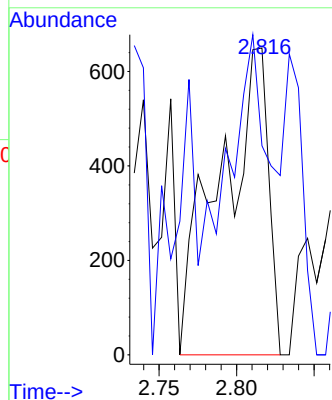
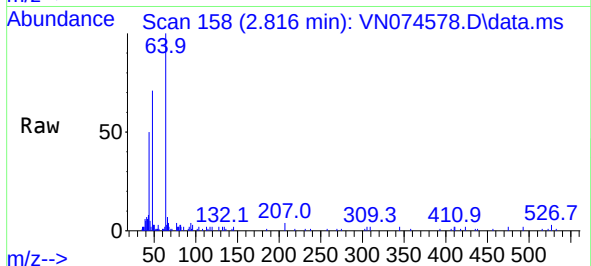




#5
Bromomethane
Concen: 0.464 ug/l
RT: 2.816 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

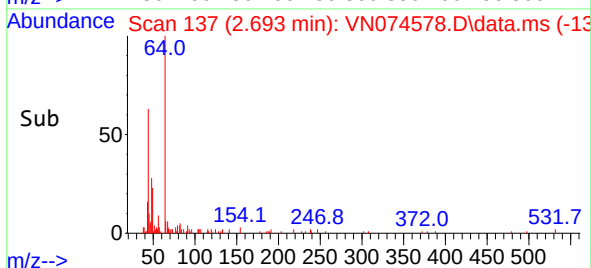
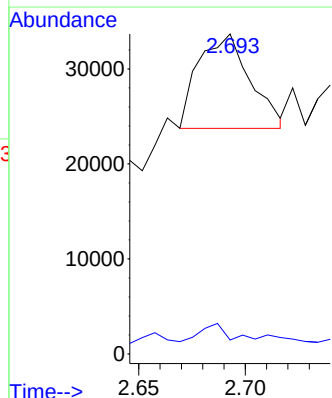
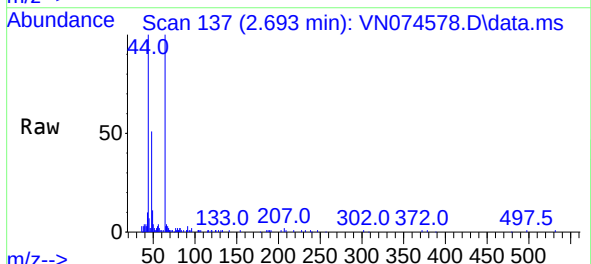
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

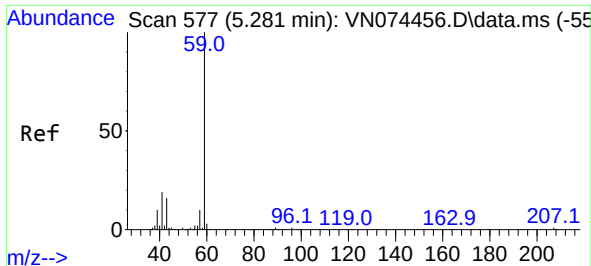
Tgt Ion: 94 Resp: 1414
Ion Ratio Lower Upper
94 100
96 24.6 76.0 114.0#



#6
Chloroethane
Concen: 4.219 ug/l
RT: 2.693 min Scan# 137
Delta R.T. -0.258 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 64 Resp: 16659
Ion Ratio Lower Upper
64 100
66 1.7 26.2 39.4#

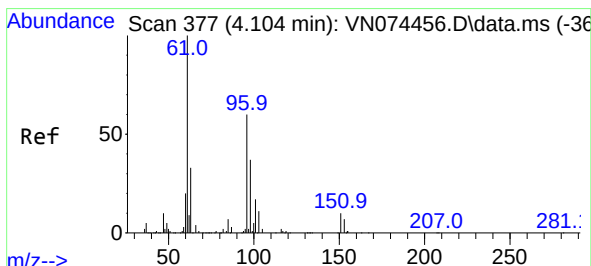
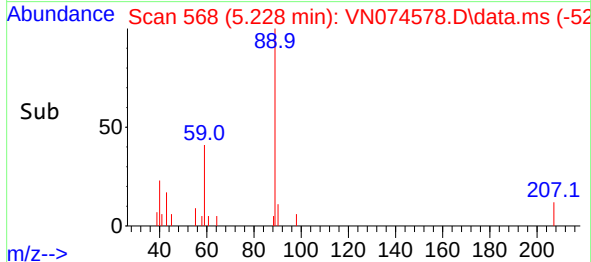
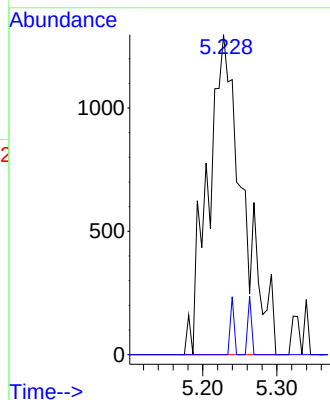
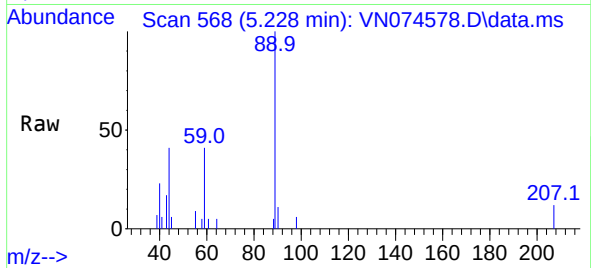




#11
Tert butyl alcohol
Concen: 2.608 ug/l
RT: 5.228 min Scan# 509
Delta R.T. -0.053 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

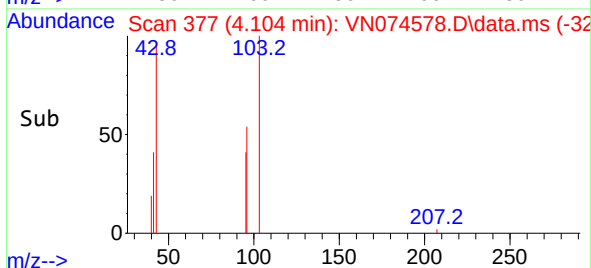
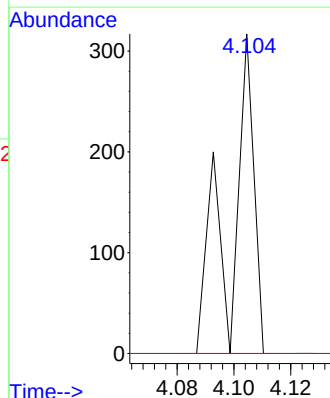
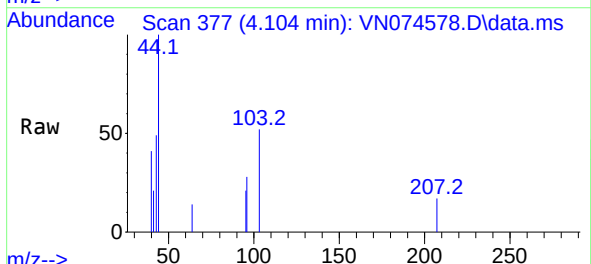
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

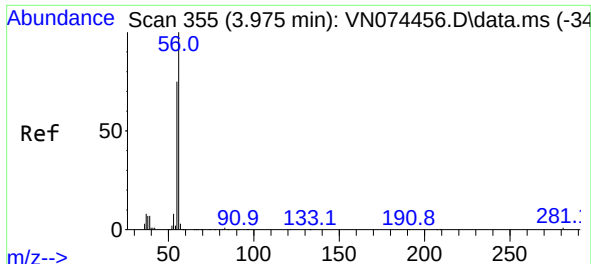
Tgt Ion: 59 Resp: 4253
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.731 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 96 Resp: 183
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

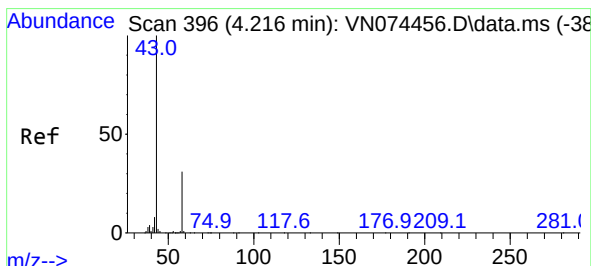
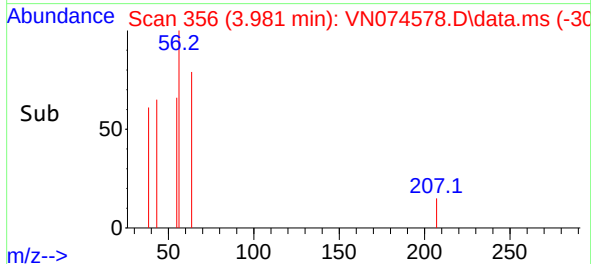
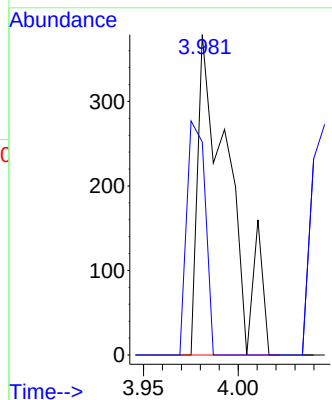
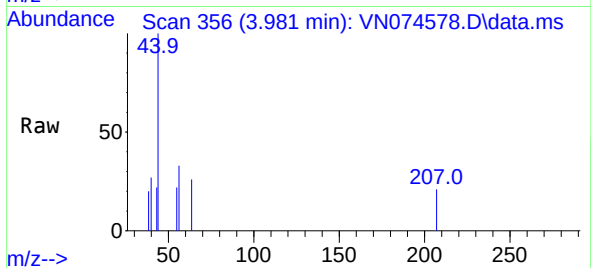




#13
Acrolein
Concen: 0.730 ug/l
RT: 3.981 min Scan# 355
Delta R.T. 0.006 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

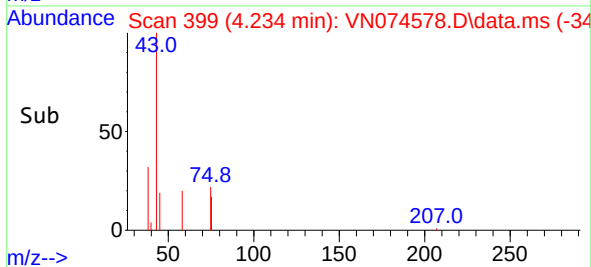
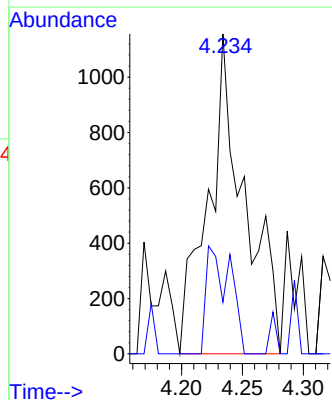
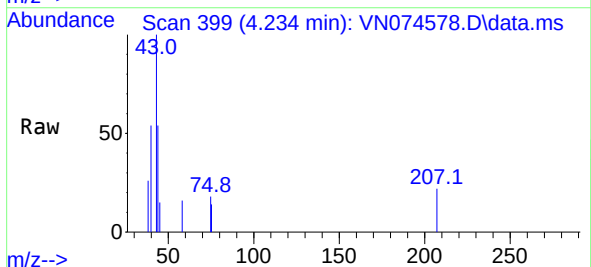
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

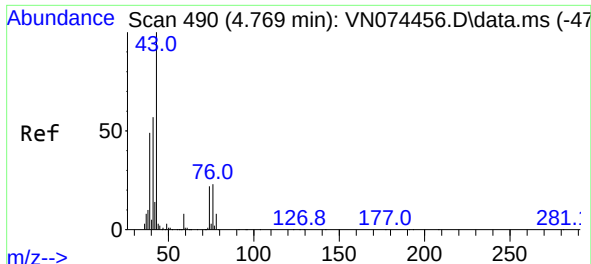
Tgt Ion: 56 Resp: 435
Ion Ratio Lower Upper
56 100
55 43.0 54.8 82.2#



#16
Acetone
Concen: 0.751 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 16.2 26.0 39.0#





#18

Methyl Acetate

Concen: 0.330 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074578.D

Acq: 19 Sep 2022 11:49

Instrument :

MSVOA_N

ClientSampleId :

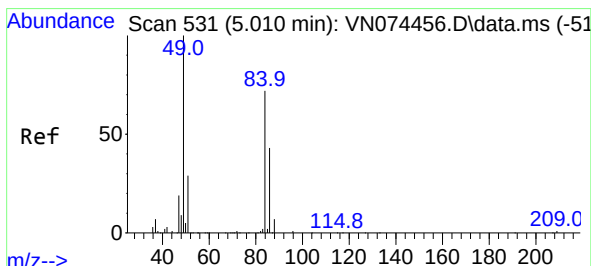
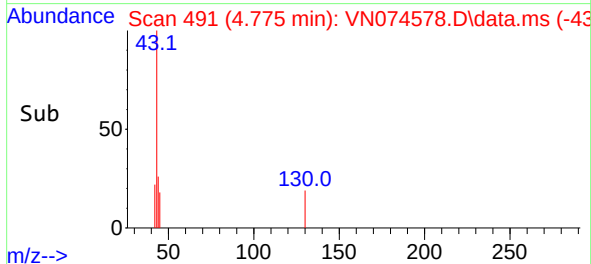
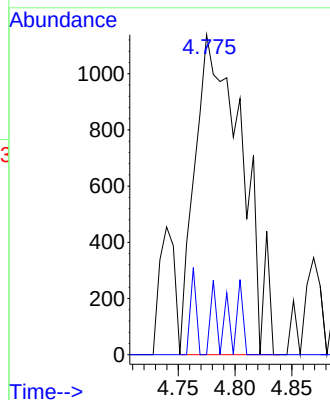
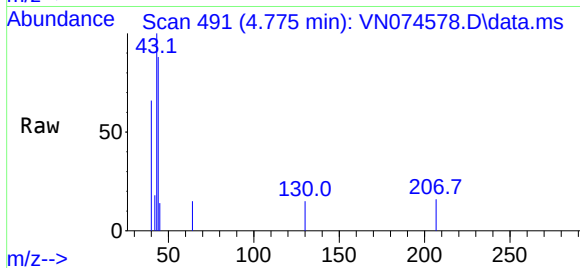
VN0919WBL01

Tgt Ion: 43 Resp: 3279

Ion Ratio Lower Upper

43 100

74 2.9 21.6 32.4#



#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN074578.D

Acq: 19 Sep 2022 11:49

Tgt Ion: 84 Resp: 835

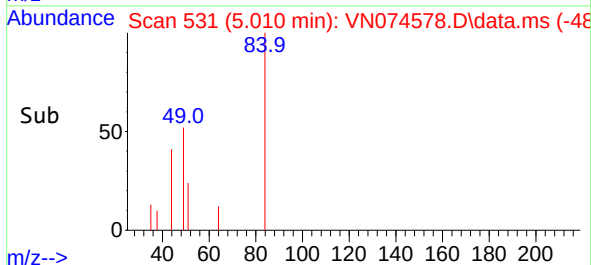
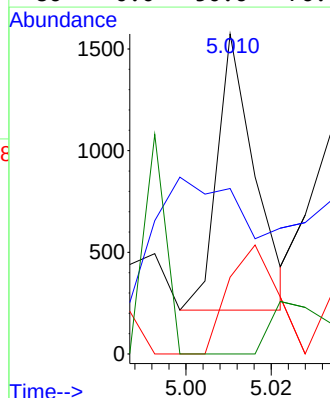
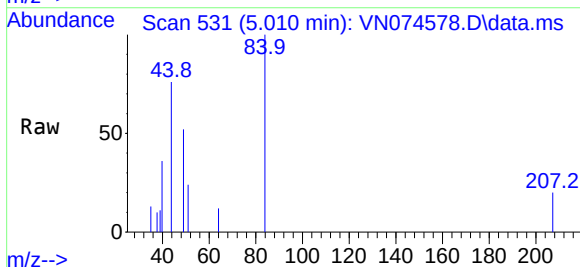
Ion Ratio Lower Upper

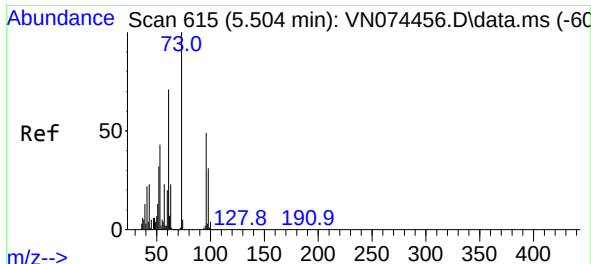
84 100

49 14.4 88.3 132.5#

51 27.8 28.2 42.2#

86 0.0 50.6 76.0#

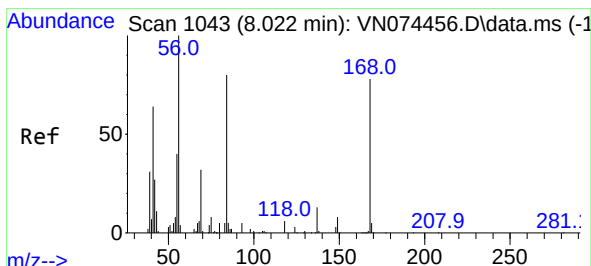
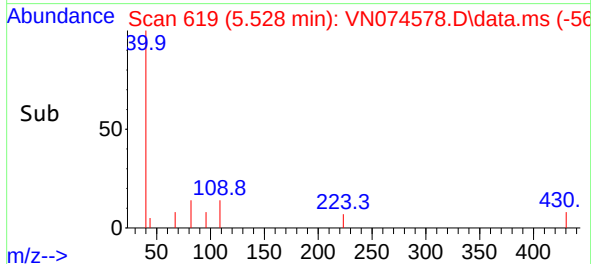
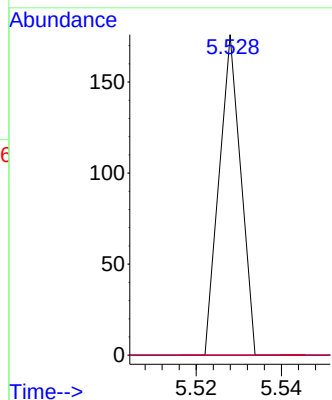
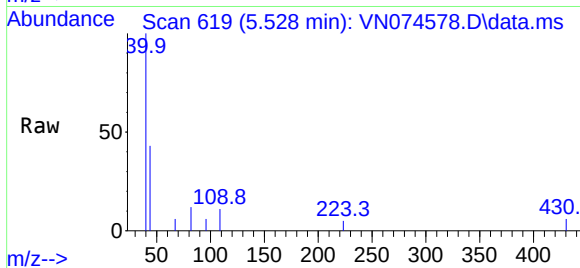




#21
trans-1,2-Dichloroethene
Concen: 0.443 ug/l
RT: 5.528 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

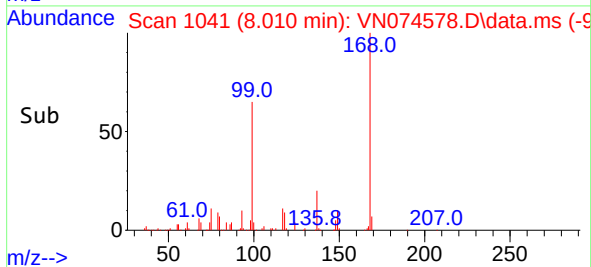
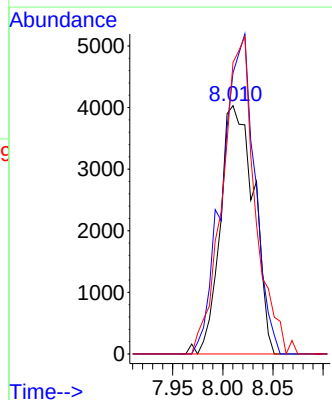
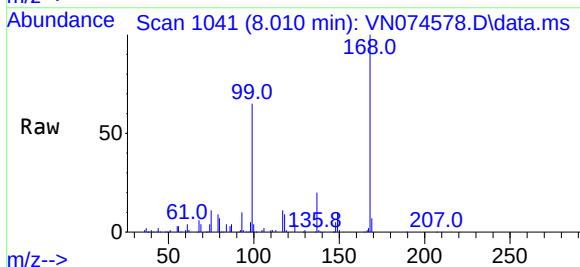
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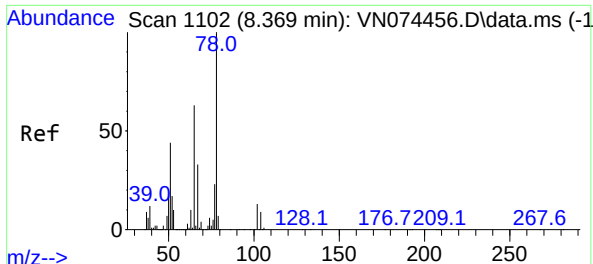
Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 56 Resp: 9424
Ion Ratio Lower Upper
56 100
69 113.2 27.8 41.8#
84 117.4 76.9 115.3#

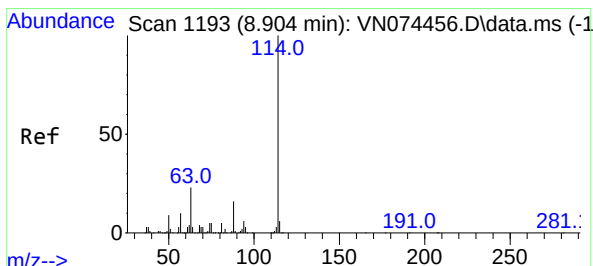
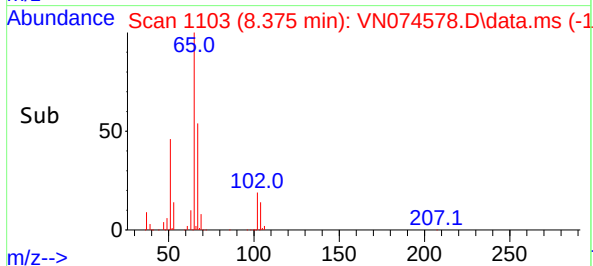
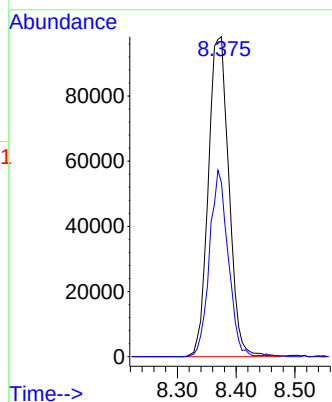
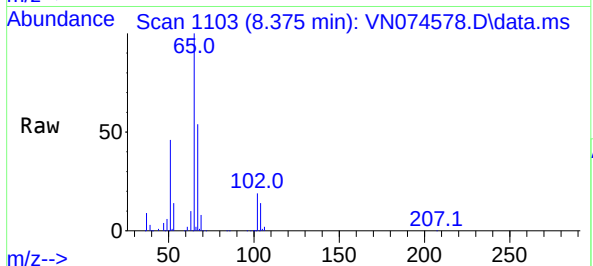




#33
1,2-Dichloroethane-d4
Concen: 47.669 ug/l
RT: 8.375 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

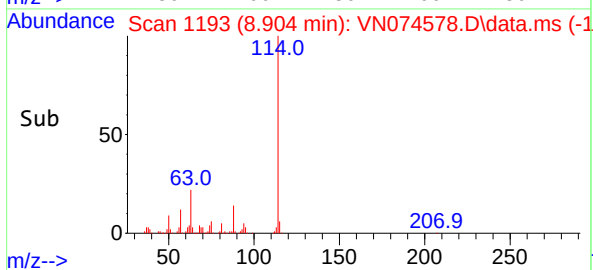
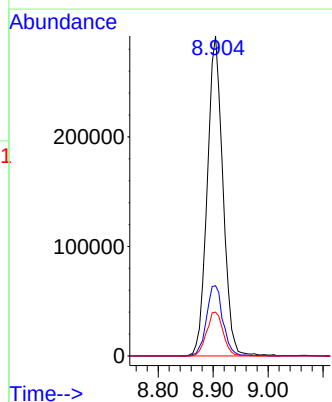
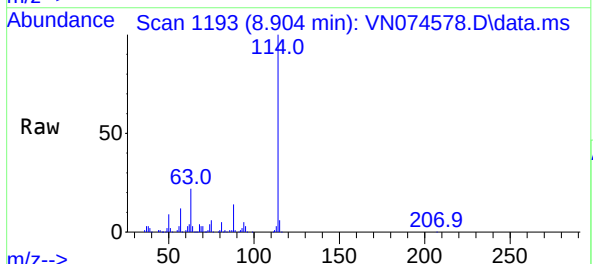
Instrument :
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VN0919WBL01

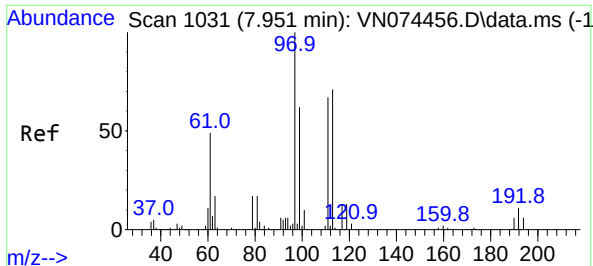
Tgt Ion: 65 Resp: 238664
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

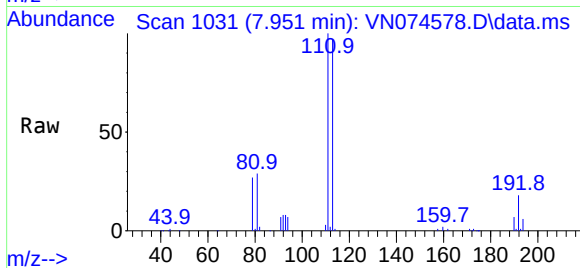
Tgt Ion:114 Resp: 577538
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.0
88 13.7 0.0 32.6



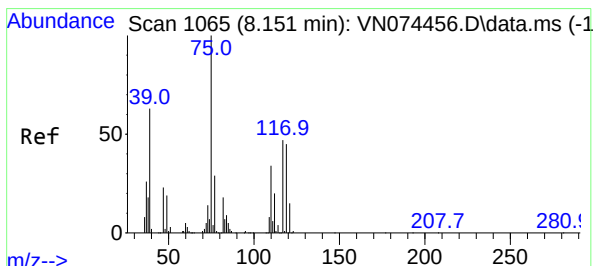
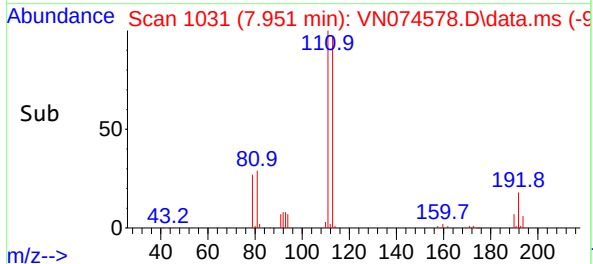
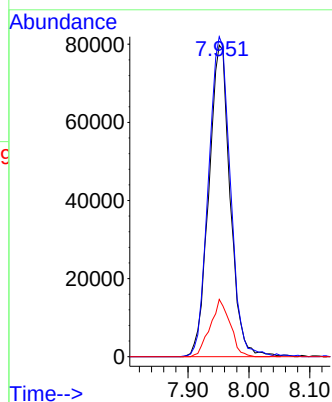


#35
Dibromofluoromethane
Concen: 50.549 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

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MSVOA_N
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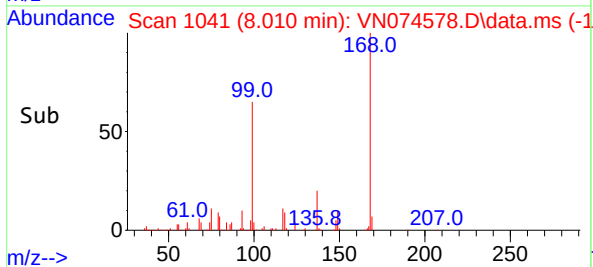
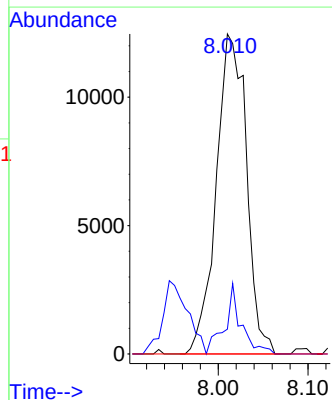
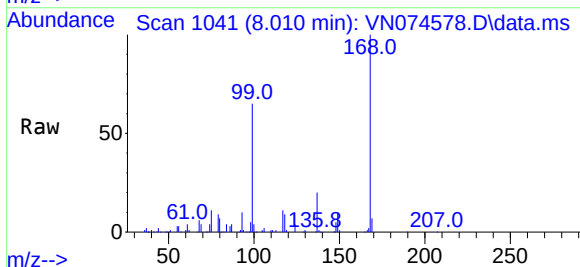


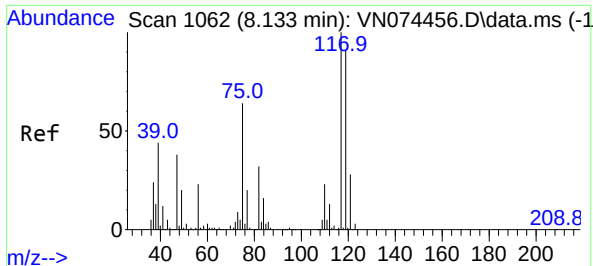
Tgt Ion:113 Resp: 193930
Ion Ratio Lower Upper
113 100
111 105.3 81.4 122.0
192 17.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.284 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 75 Resp: 29090
Ion Ratio Lower Upper
75 100
110 11.9 18.3 54.8#
77 0.0 25.1 37.7#

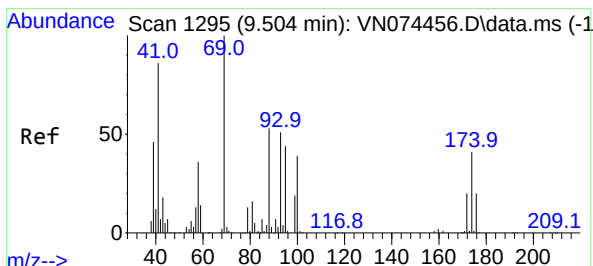
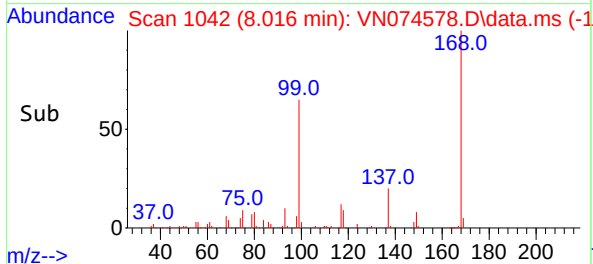
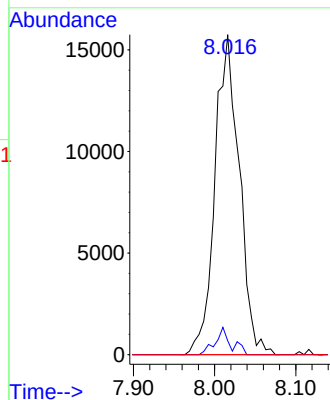
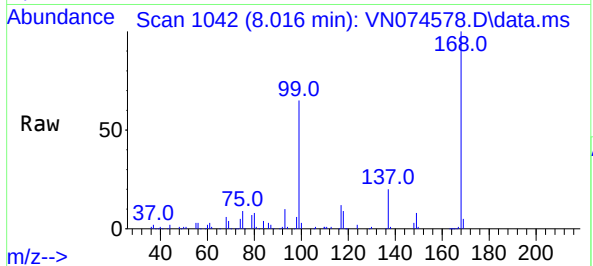




#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

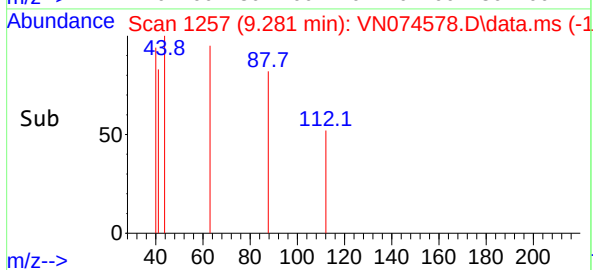
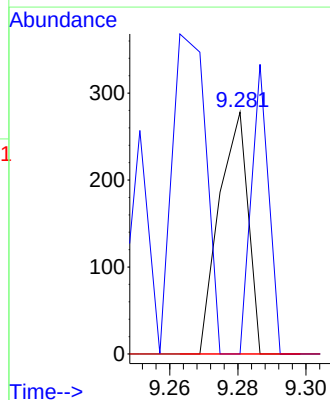
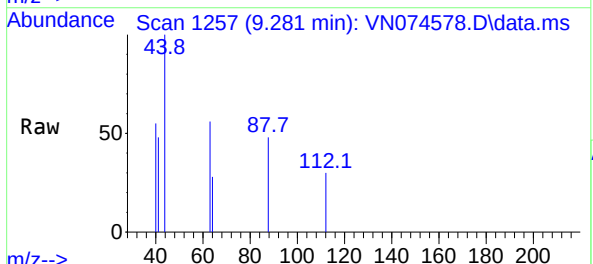
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

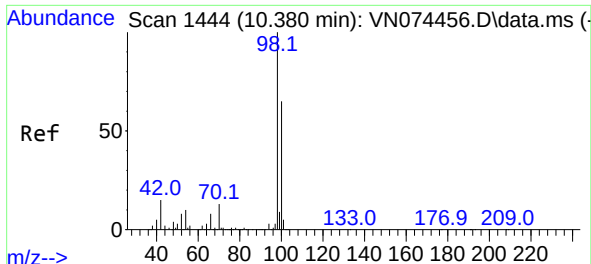
Tgt Ion:117 Resp: 32924
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.171 ug/l
RT: 9.281 min Scan# 1257
Delta R.T. -0.223 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 72.0 20.2 30.4#
58 0.0 54.2 81.4#

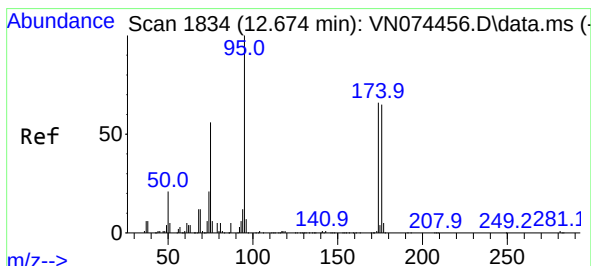
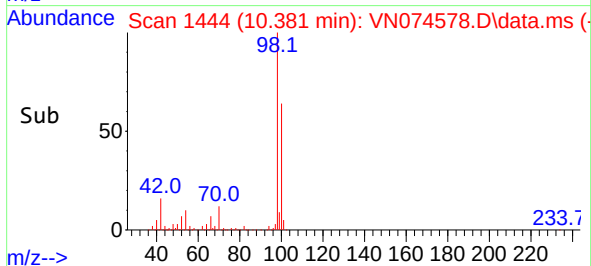
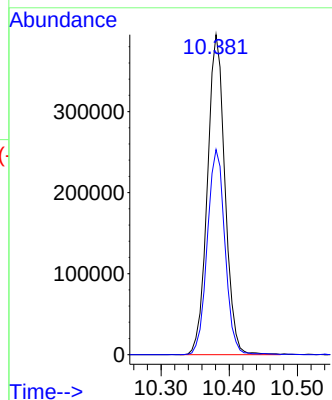
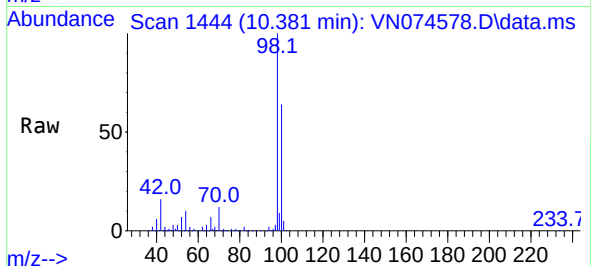




#50
Toluene-d8
Concen: 47.692 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

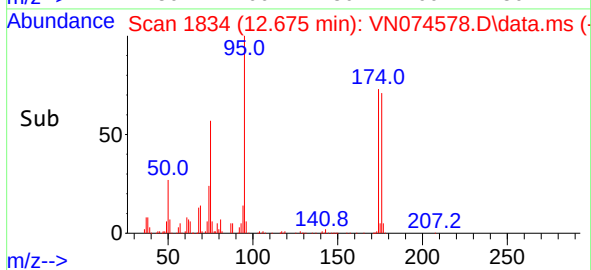
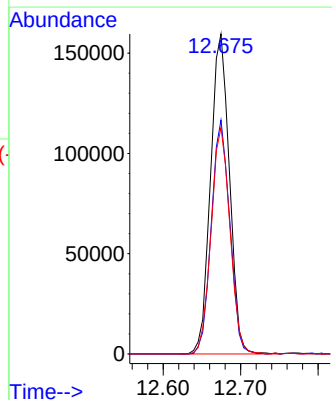
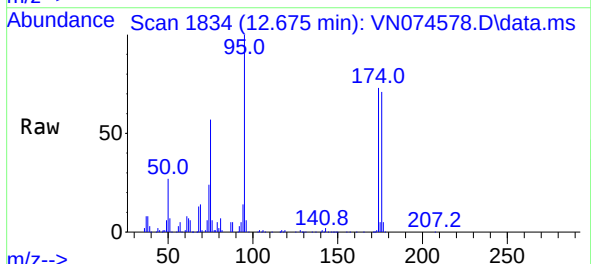
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

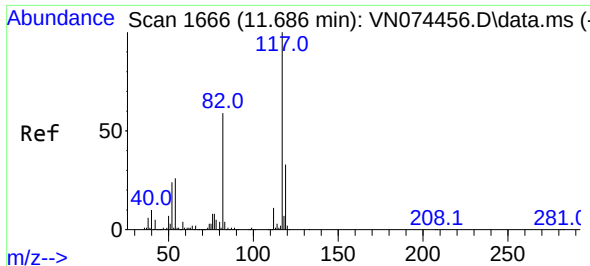
Tgt Ion: 98 Resp: 707610
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 95 Resp: 269578
Ion Ratio Lower Upper
95 100
174 71.5 0.0 167.6
176 70.5 0.0 163.4

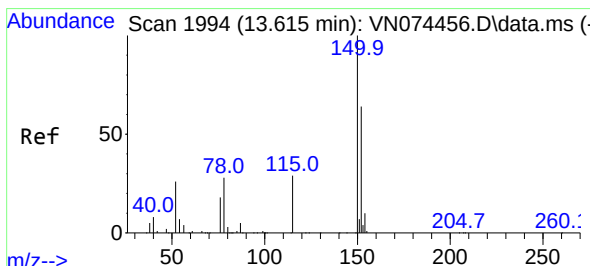
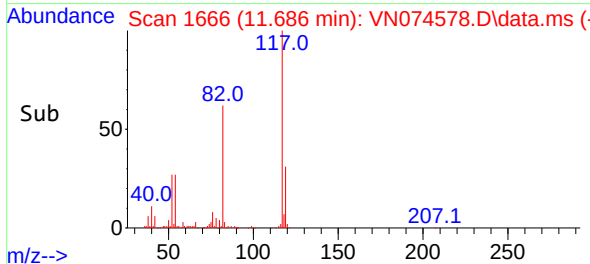
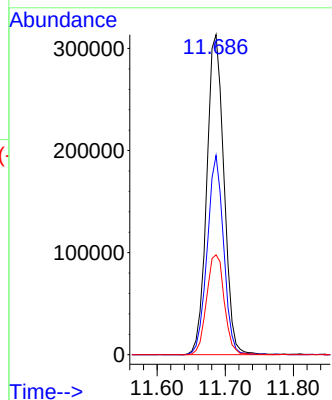
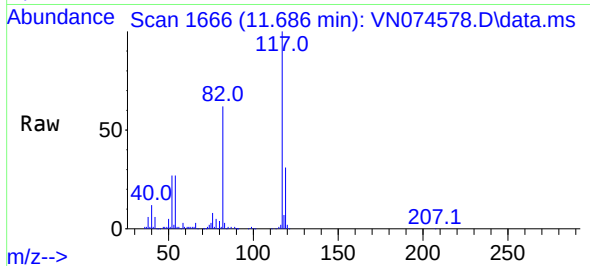




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

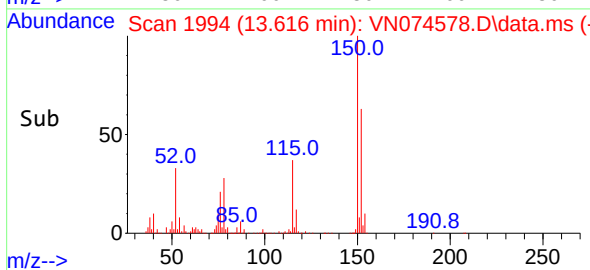
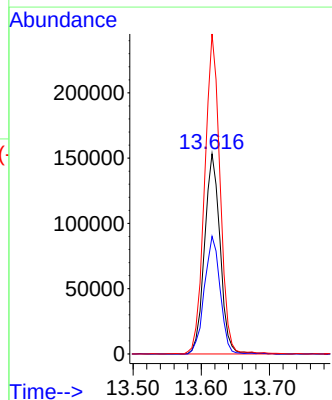
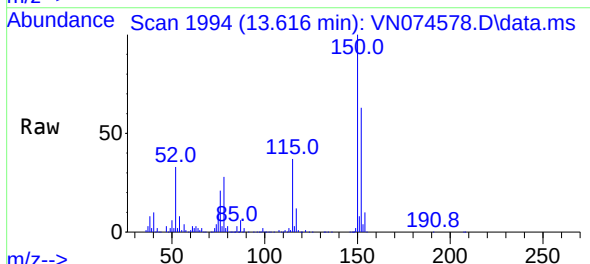
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

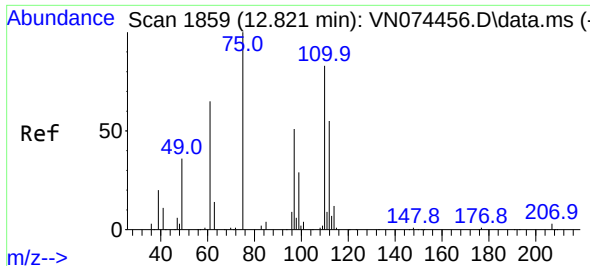
Tgt Ion:	117	Resp:	550137
Ion	Ratio	Lower	Upper
117	100		
82	62.3	44.2	66.2
119	31.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion:	152	Resp:	242412
Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.9	86.7
150	158.9	0.0	356.2

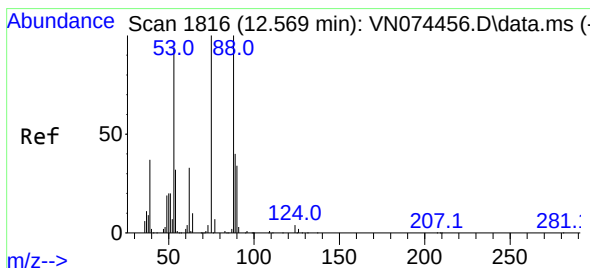
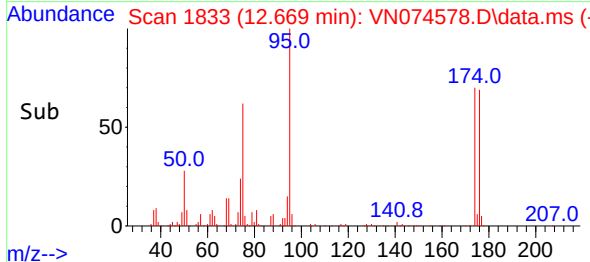
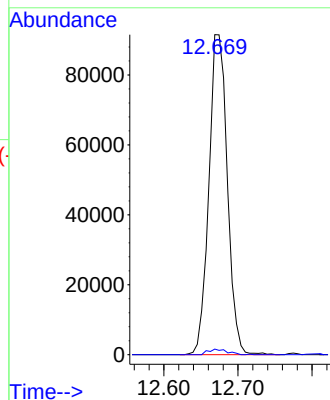
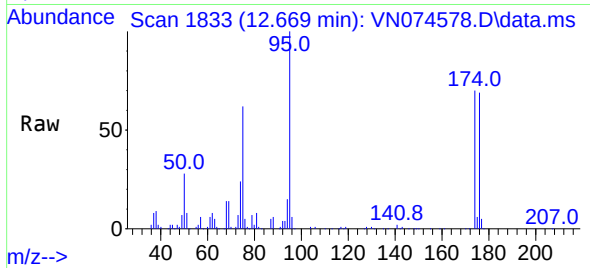




#76
1,2,3-Trichloropropane
Concen: 21.234 ug/l
RT: 12.669 min Scan# 1859
Delta R.T. -0.152 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

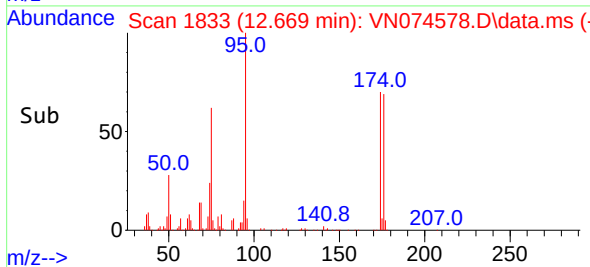
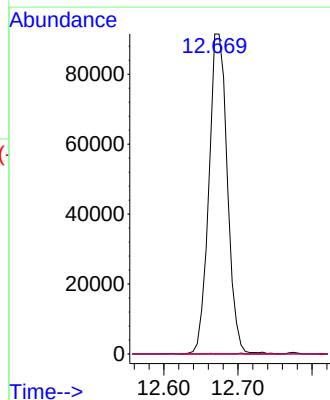
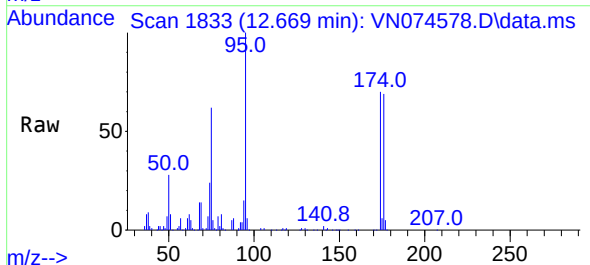
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

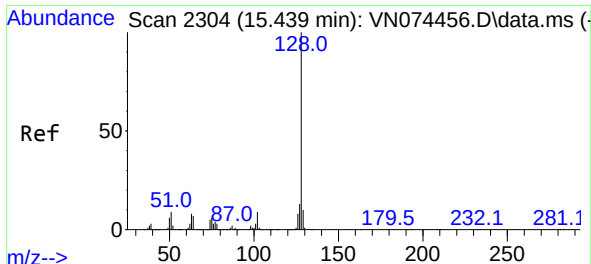
Tgt Ion: 75 Resp: 158437
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.829 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion: 75 Resp: 158437
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

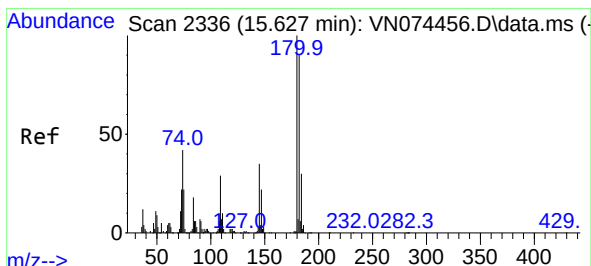
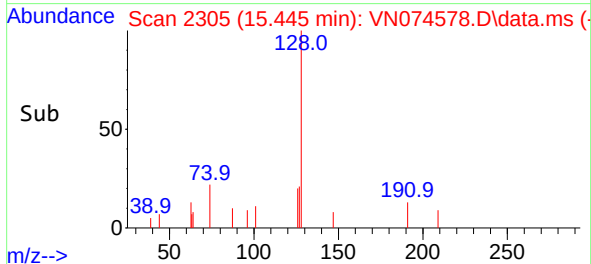
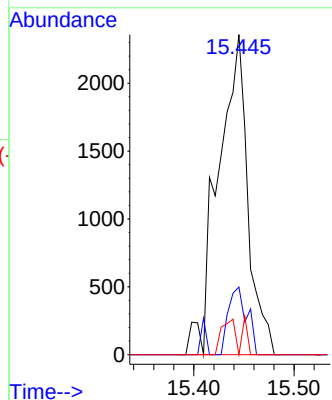
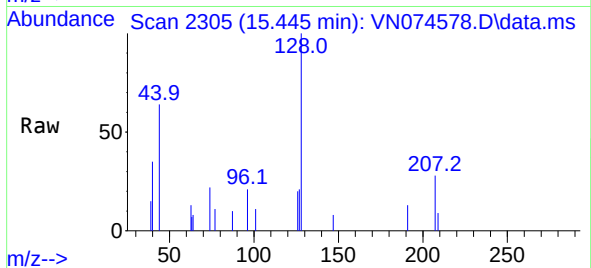




#95
Naphthalene
Concen: 1.816 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBL01

Tgt Ion:	128	Resp:	4857
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	7.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.482 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074578.D
Acq: 19 Sep 2022 11:49

Tgt Ion:	180	Resp:	743
Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.8	143.3
145	29.6	15.5	46.5

