

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074590.D
 Acq On : 19 Sep 2022 16:52
 Operator : JC\MD
 Sample : N4680-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 5869-2

Quant Time: Sep 20 04:20:35 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)

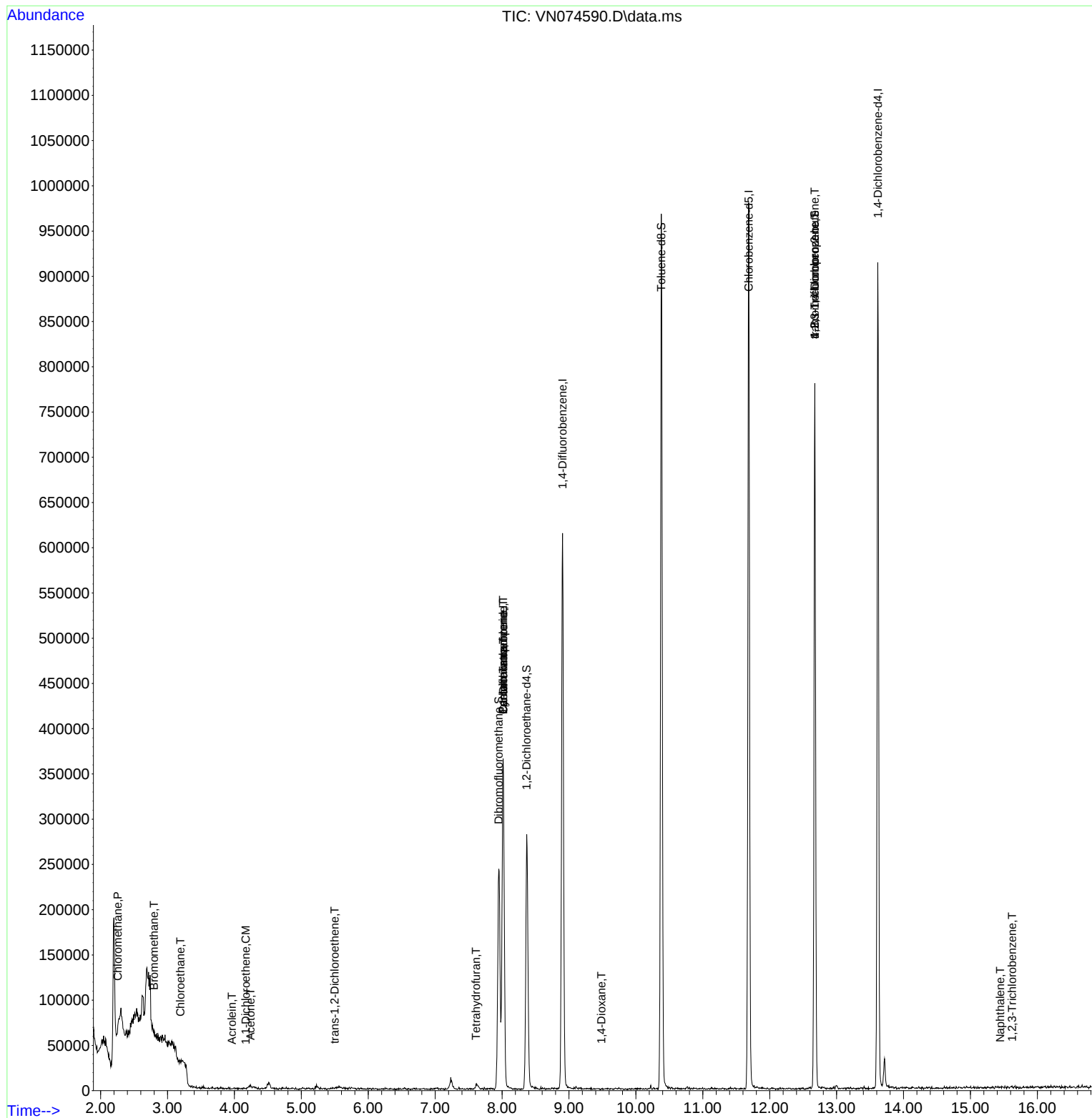
Internal Standards						
1) Pentafluorobenzene	8.016	168	256480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	500321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	482656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	212031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	205892	47.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.620%		
35) Dibromofluoromethane	7.951	113	169674	51.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.100%		
50) Toluene-d8	10.380	98	610464	47.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.980%		
62) 4-Bromofluorobenzene	12.674	95	226731	51.504	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.000%		
Target Compounds						Qvalue
3) Chloromethane	2.257	50	1594	0.596	ug/l #	85
5) Bromomethane	2.799	94	1033	0.390	ug/l #	13
6) Chloroethane	3.193	64	1436	0.418	ug/l #	50
12) 1,1-Dichloroethene	4.169	96	193	0.741	ug/l #	1
13) Acrolein	3.963	56	152	0.294	ug/l #	16
16) Acetone	4.240	43	5218	1.874	ug/l #	66
21) trans-1,2-Dichloroethene	5.498	96	62	0.446	ug/l #	1
29) Tetrahydrofuran	7.610	42	2609	0.858	ug/l #	29
31) Cyclohexane	8.016	56	9263	1.199	ug/l #	57
36) 1,1-Dichloropropene	8.016	75	26419	4.491	ug/l #	46
38) Carbon Tetrachloride	8.016	117	28382	5.225	ug/l #	18
49) 1,4-Dioxane	9.486	88	69	0.569	ug/l #	10
76) 1,2,3-Trichloropropane	12.674	75	134530	20.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	134530	44.489	ug/l #	10
95) Naphthalene	15.445	128	508	1.616	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.621	180	70	1.352	ug/l #	12

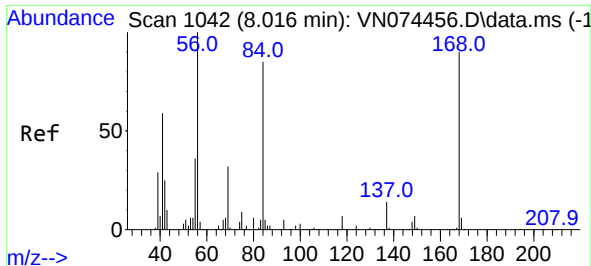
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

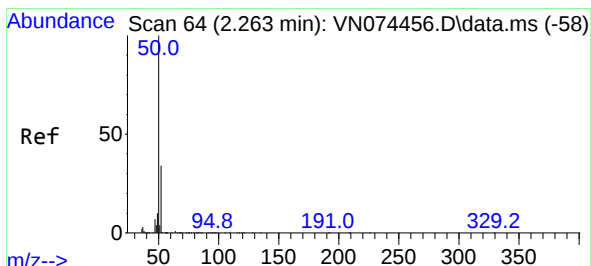
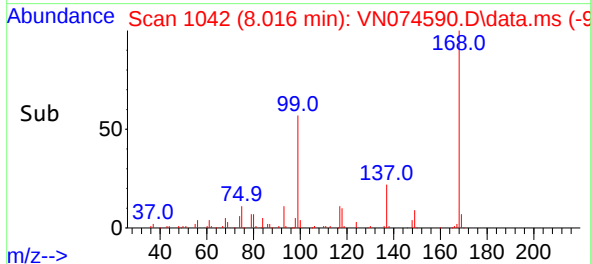
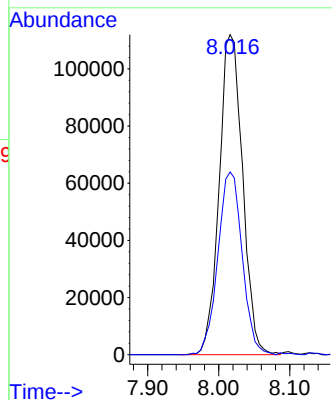
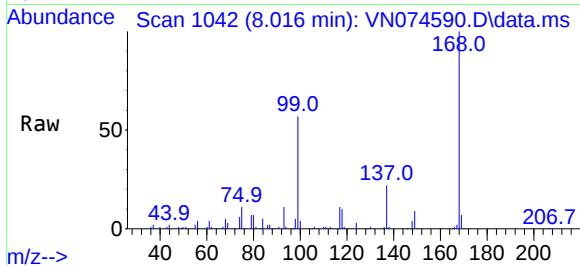




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

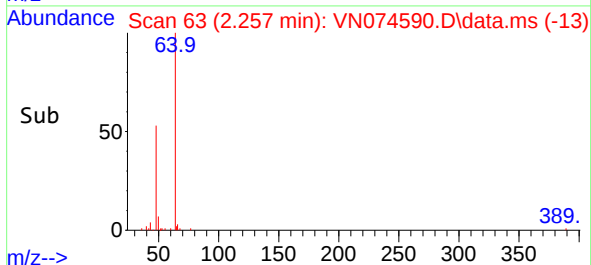
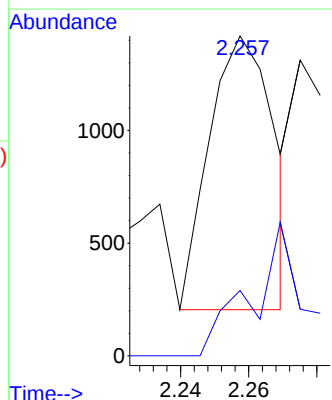
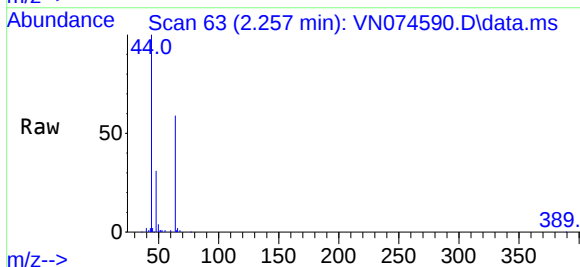
Instrument :
MSVOA_N
ClientSampleId :
5869-2

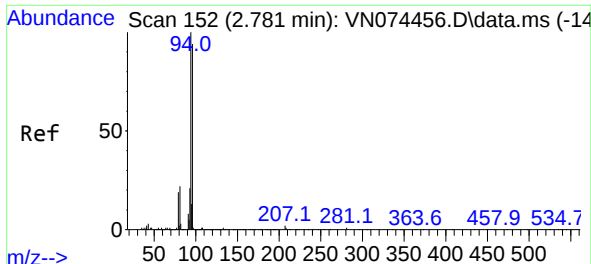
Tgt Ion:168 Resp: 256480
Ion Ratio Lower Upper
168 100
99 57.1 42.3 63.5



#3
Chloromethane
Concen: 0.596 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 50 Resp: 1594
Ion Ratio Lower Upper
50 100
52 23.9 25.7 38.5#

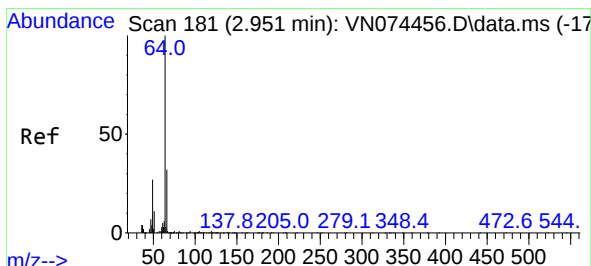
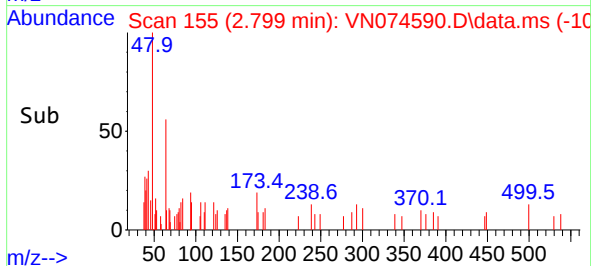
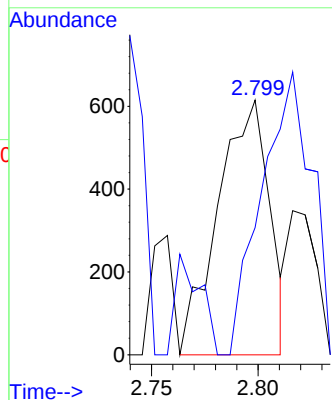
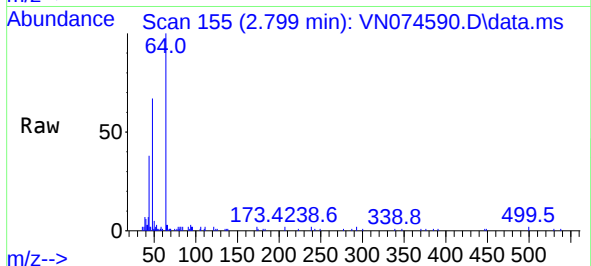




#5
Bromomethane
Concen: 0.390 ug/l
RT: 2.799 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

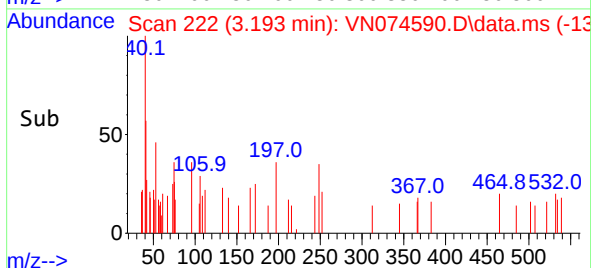
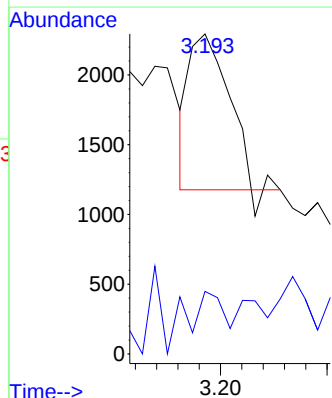
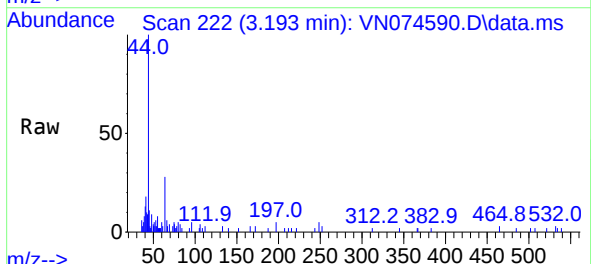
Instrument :
MSVOA_N
ClientSampleId :
5869-2

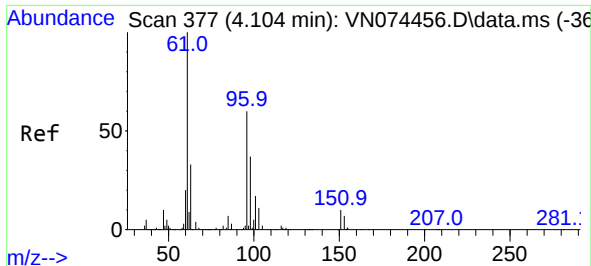
Tgt Ion: 94 Resp: 1033
Ion Ratio Lower Upper
94 100
96 10.4 76.0 114.0#



#6
Chloroethane
Concen: 0.418 ug/l
RT: 3.193 min Scan# 222
Delta R.T. 0.242 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 64 Resp: 1436
Ion Ratio Lower Upper
64 100
66 4.7 26.2 39.4#

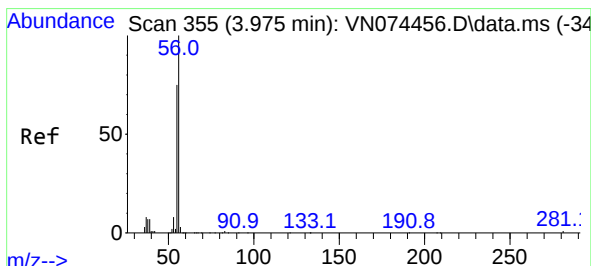
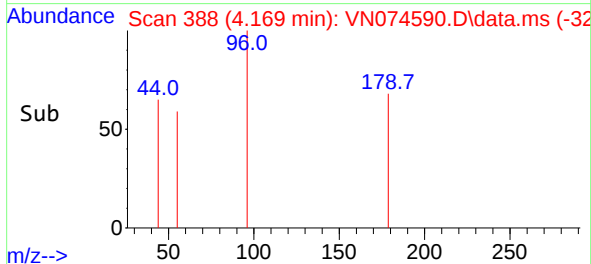
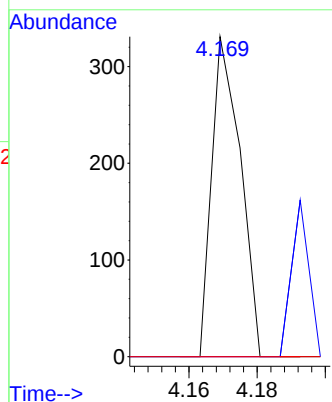
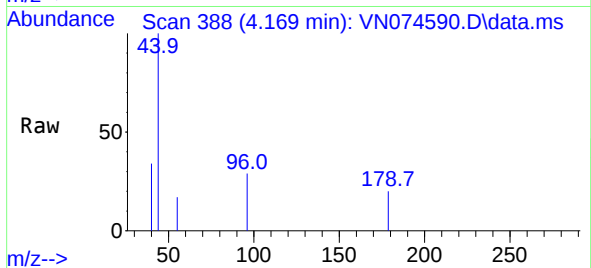




#12
1,1-Dichloroethene
Concen: 0.741 ug/l
RT: 4.169 min Scan# 31
Delta R.T. 0.065 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

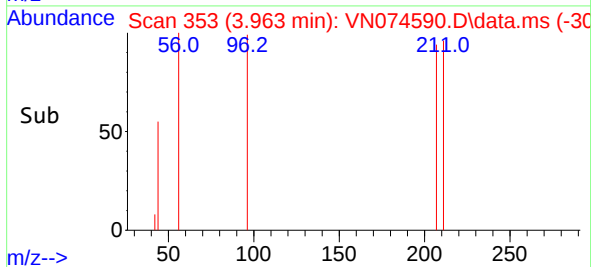
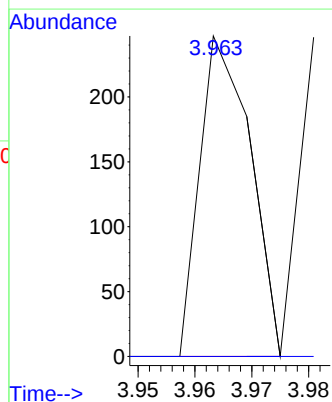
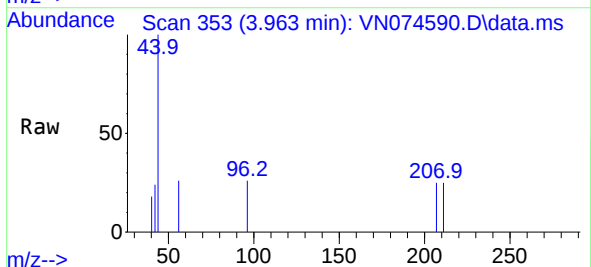
Instrument :
MSVOA_N
ClientSampleId :
5869-2

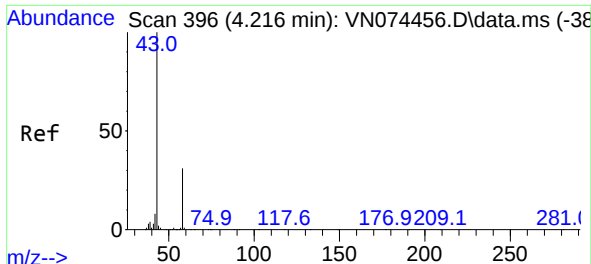
Tgt Ion: 96 Resp: 193
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.294 ug/l
RT: 3.963 min Scan# 353
Delta R.T. -0.012 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

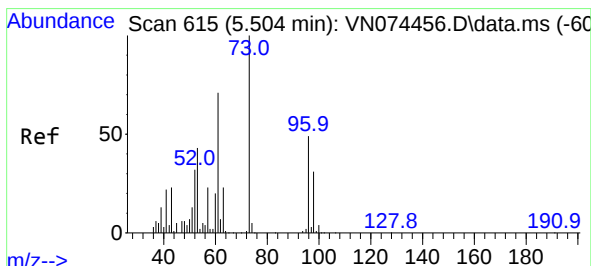
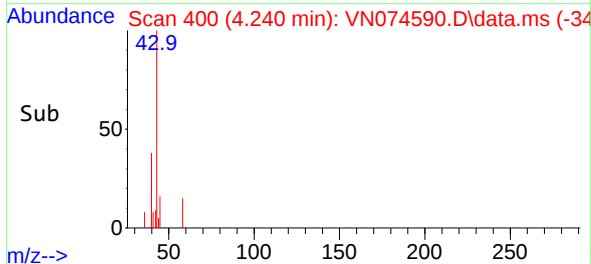
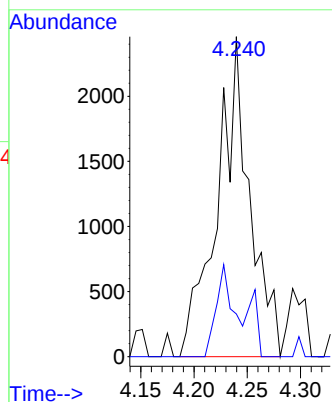
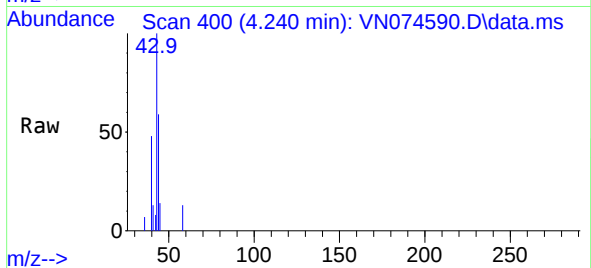




#16
Acetone
Concen: 1.874 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.024 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

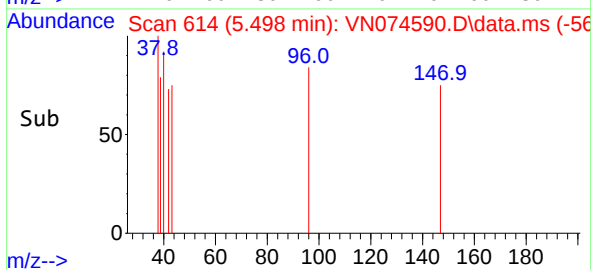
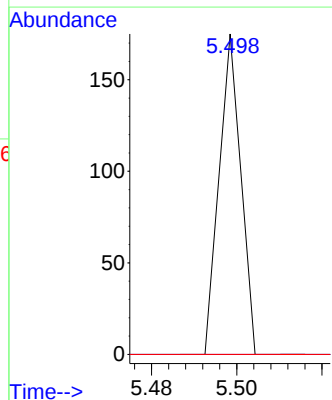
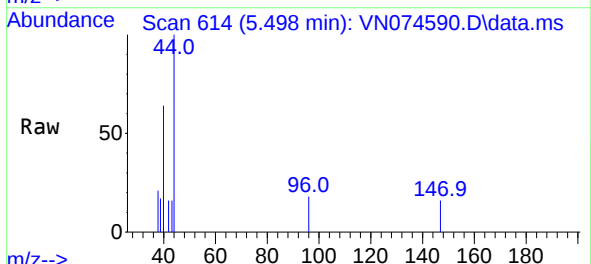
Instrument :
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ClientSampleId :
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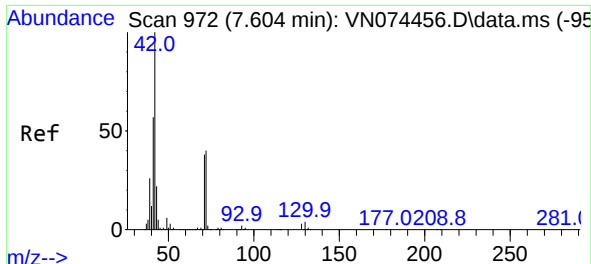
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
58 13.3 26.0 39.0#



#21
trans-1,2-Dichloroethene
Concen: 0.446 ug/l
RT: 5.498 min Scan# 614
Delta R.T. -0.006 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

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#





#29

Tetrahydrofuran

Concen: 0.858 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074590.D

Acq: 19 Sep 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

5869-2

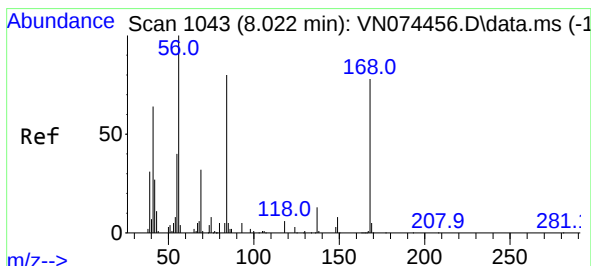
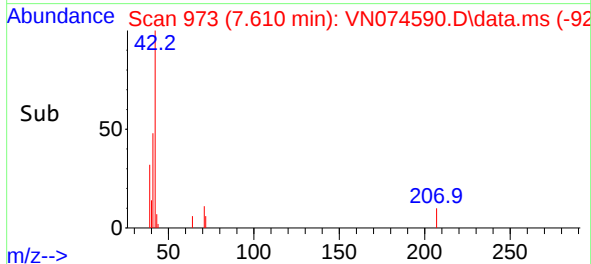
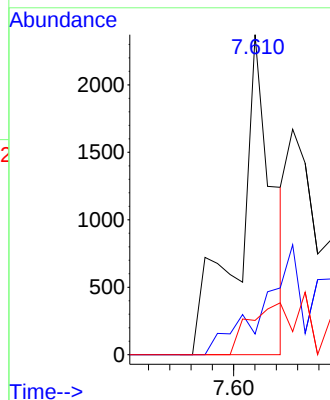
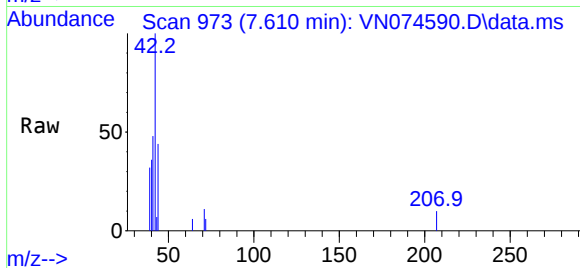
Tgt Ion: 42 Resp: 2609

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074590.D

Acq: 19 Sep 2022 16:52

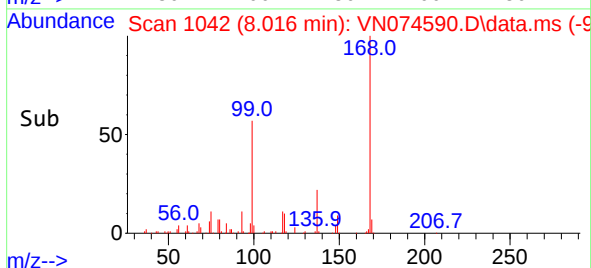
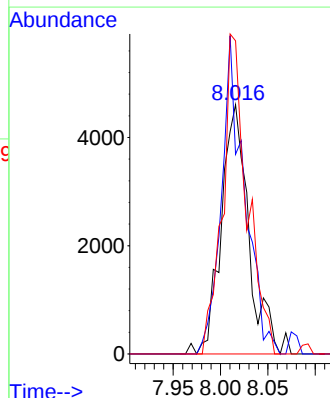
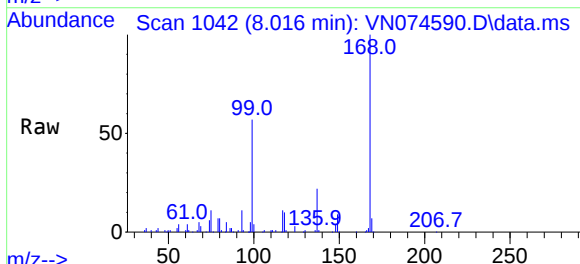
Tgt Ion: 56 Resp: 9263

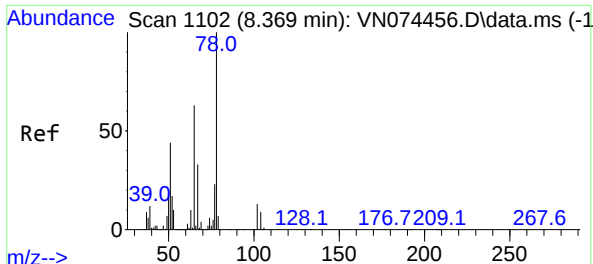
Ion Ratio Lower Upper

56 100

69 80.1 27.8 41.8#

84 125.5 76.9 115.3#

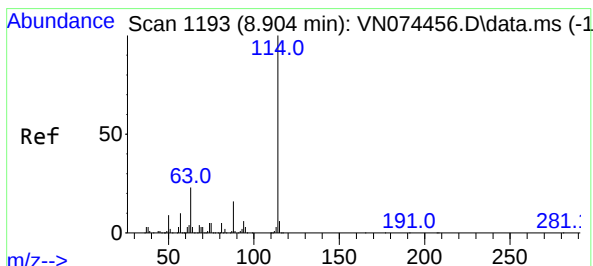
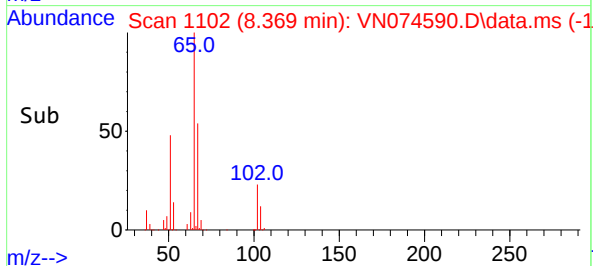
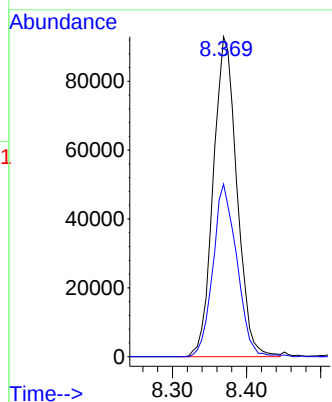
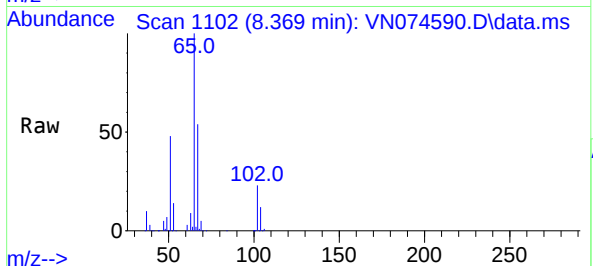




#33
1,2-Dichloroethane-d4
Concen: 47.312 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

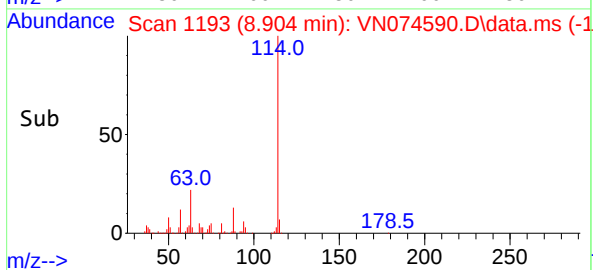
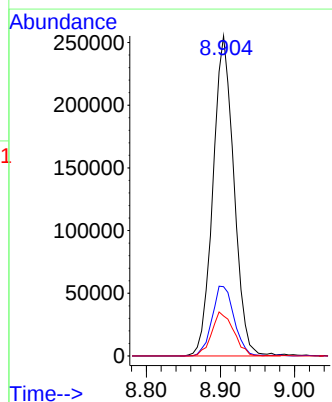
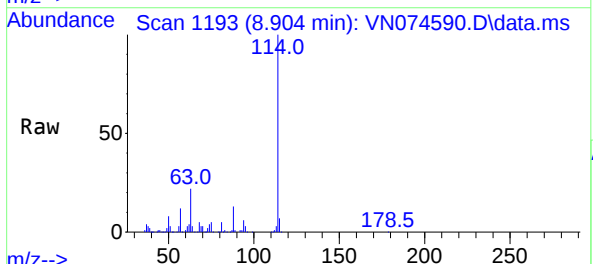
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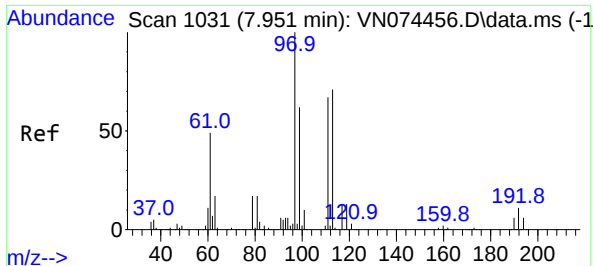
Tgt Ion: 65 Resp: 205892
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 114 Resp: 500321
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.0
88 12.5 0.0 32.6

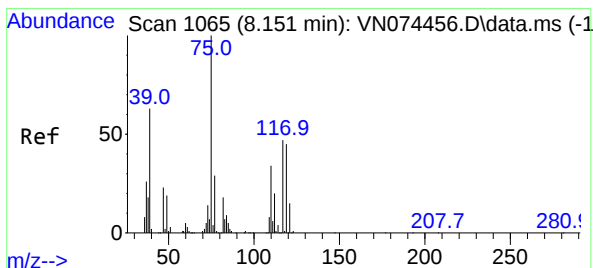
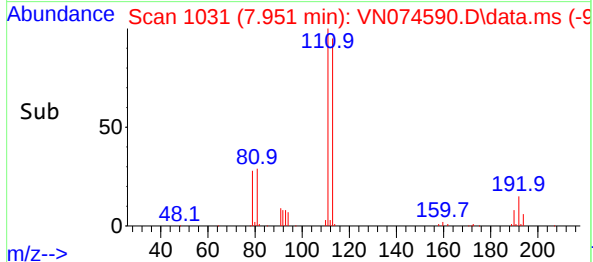
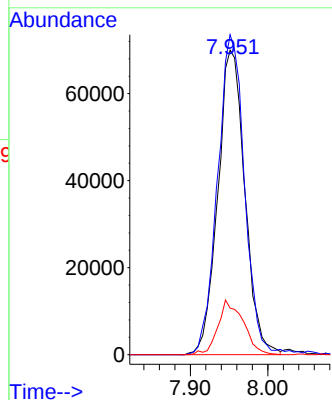
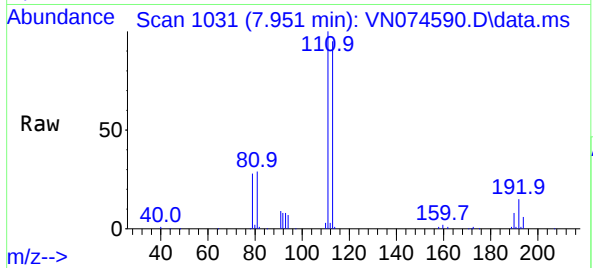




#35
Dibromofluoromethane
Concen: 51.052 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

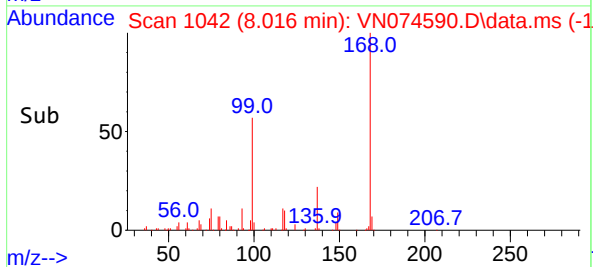
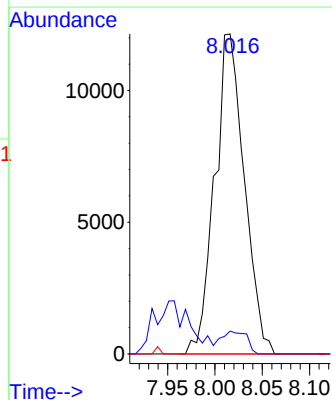
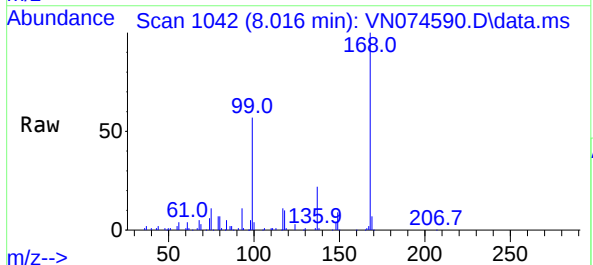
Instrument :
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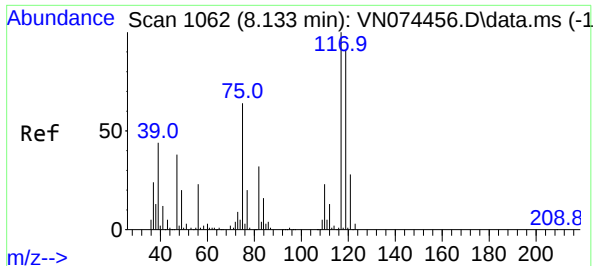
Tgt Ion:113 Resp: 169674
Ion Ratio Lower Upper
113 100
111 105.4 81.4 122.0
192 16.9 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 75 Resp: 26419
Ion Ratio Lower Upper
75 100
110 6.2 18.3 54.8#
77 0.0 25.1 37.7#

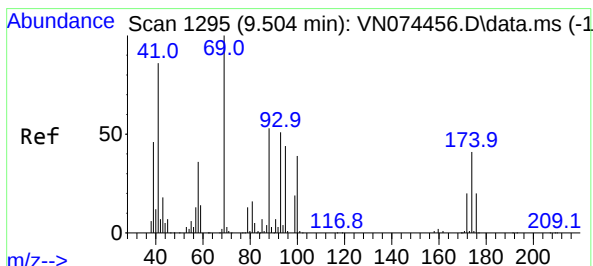
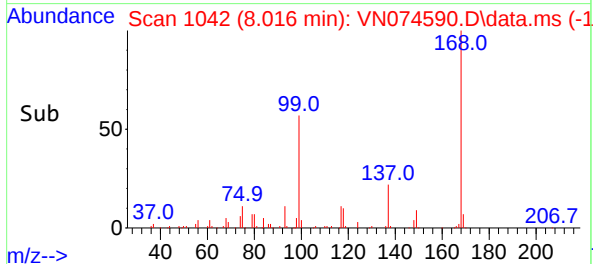
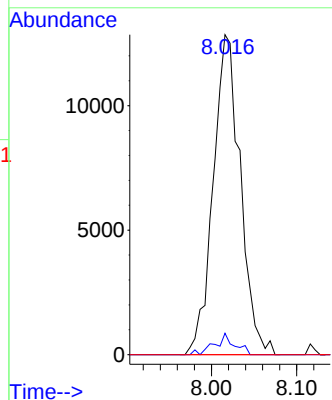
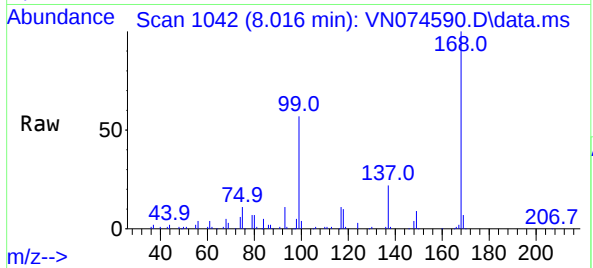




#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

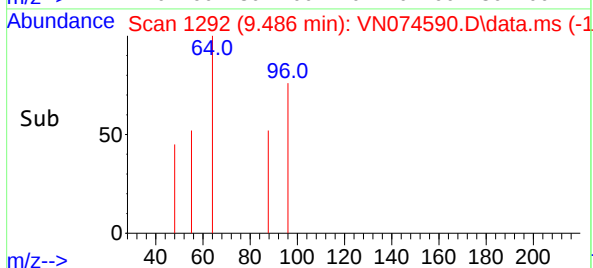
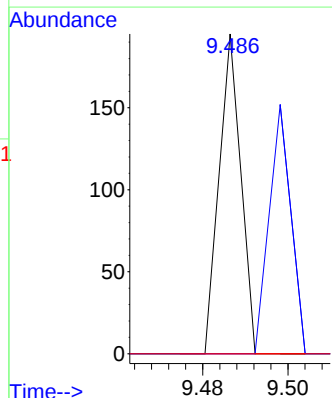
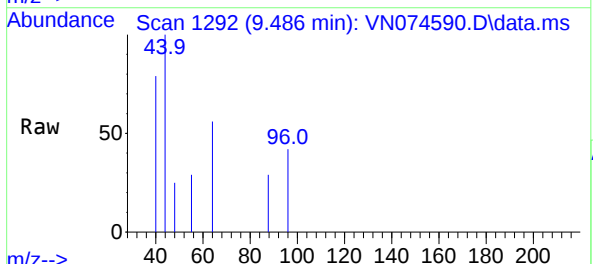
Instrument :
MSVOA_N
ClientSampleId :
5869-2

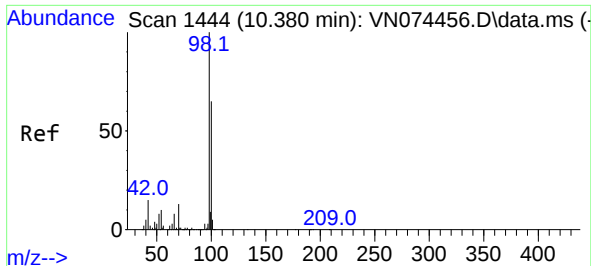
Tgt Ion:117 Resp: 28382
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.569 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 78.3 20.2 30.4#
58 0.0 54.2 81.4#

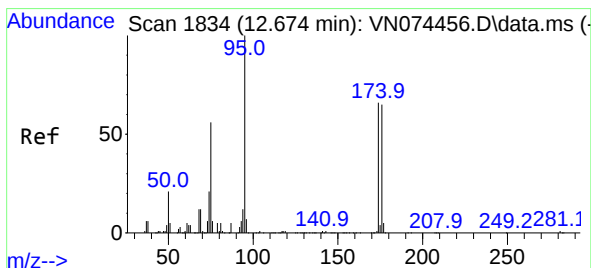
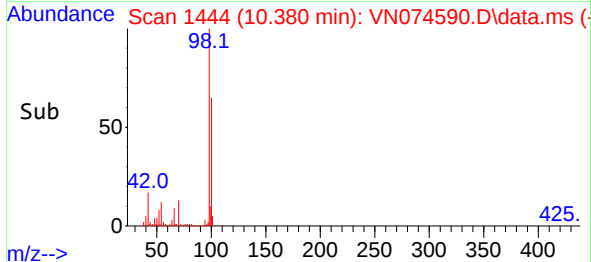
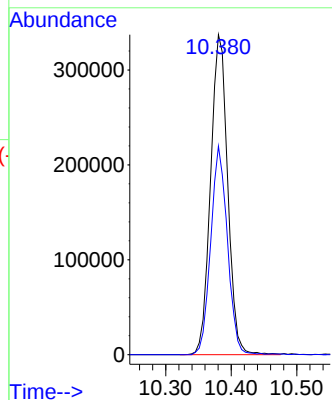
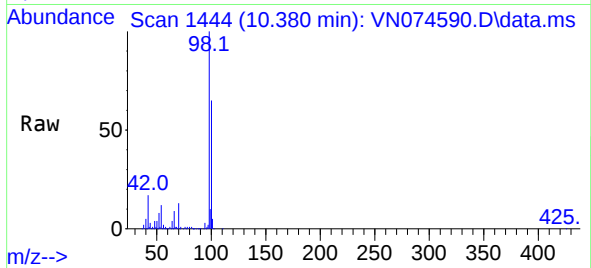




#50
Toluene-d8
Concen: 47.494 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

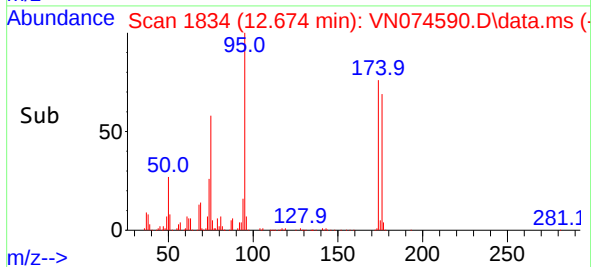
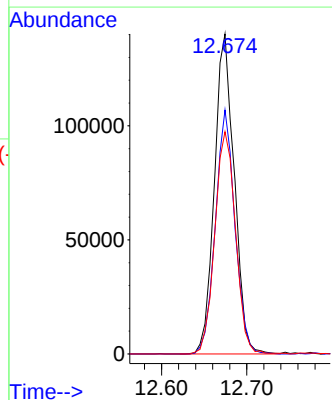
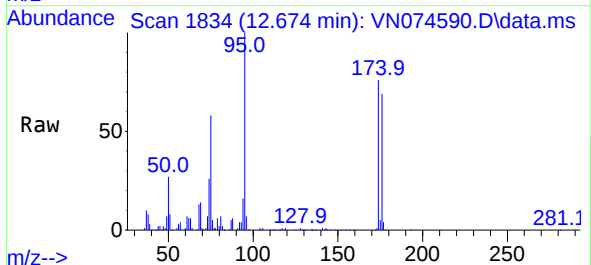
Instrument :
MSVOA_N
ClientSampleId :
5869-2

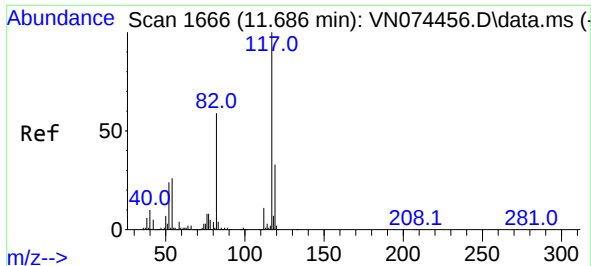
Tgt Ion: 98 Resp: 610464
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.504 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 95 Resp: 226731
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 72.5 0.0 163.4

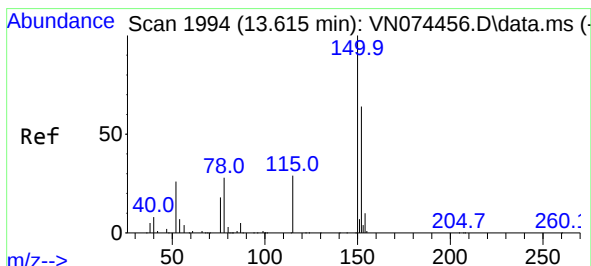
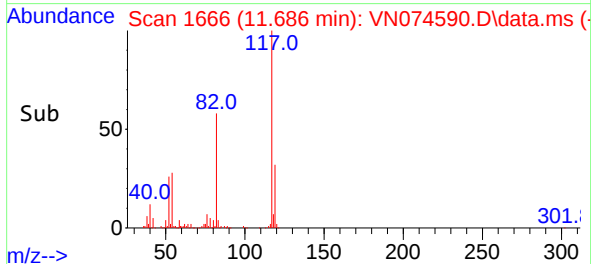
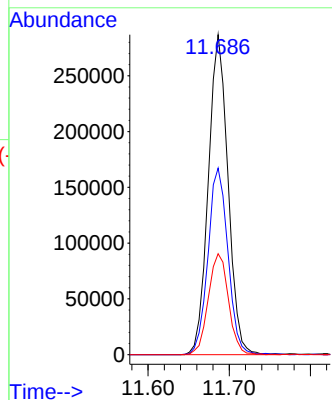
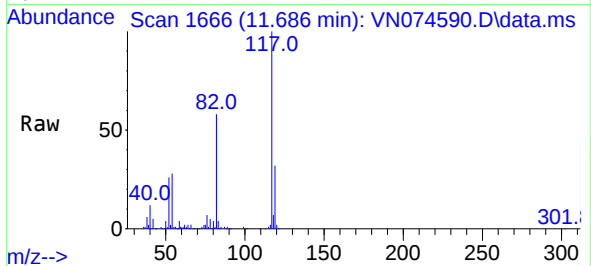




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

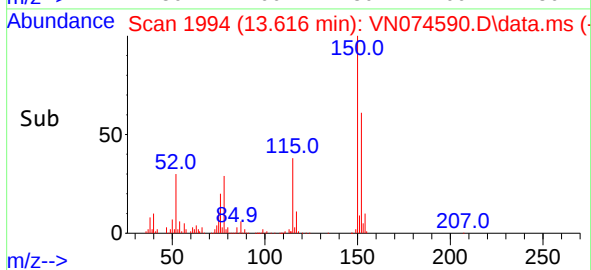
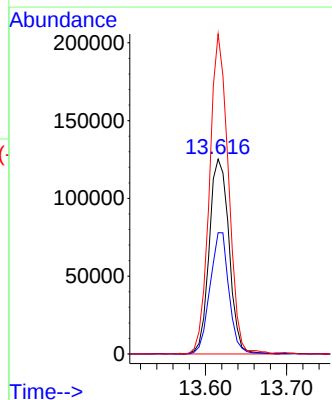
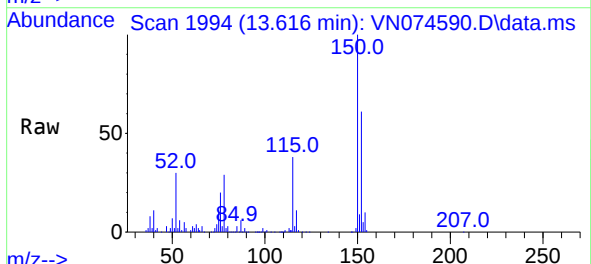
Instrument :
MSVOA_N
ClientSampleId :
5869-2

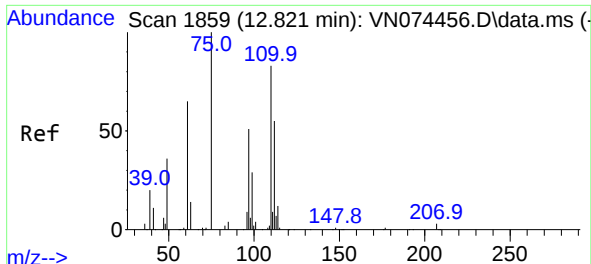
Tgt Ion:117 Resp: 482656
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion:152 Resp: 212031
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 156.9 0.0 356.2

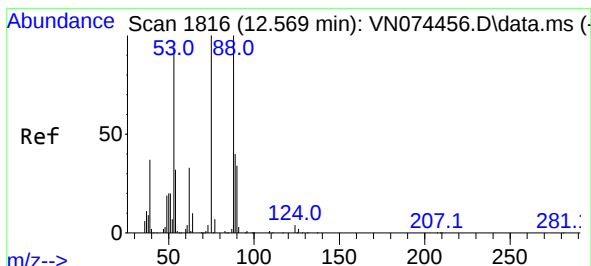
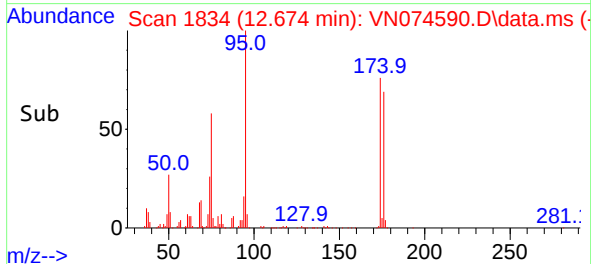
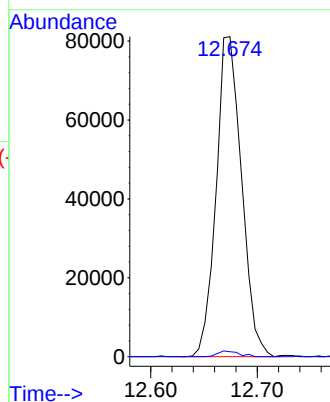
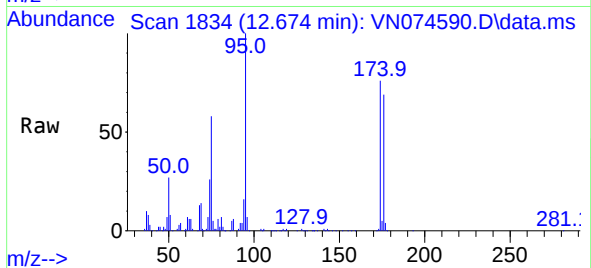




#76
1,2,3-Trichloropropane
Concen: 20.613 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

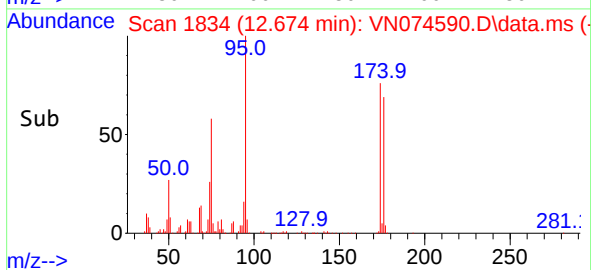
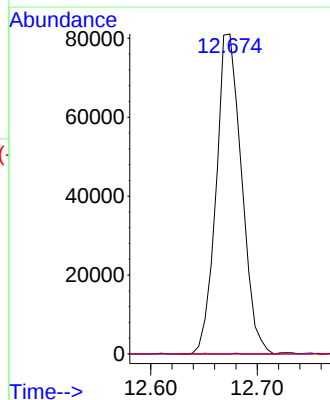
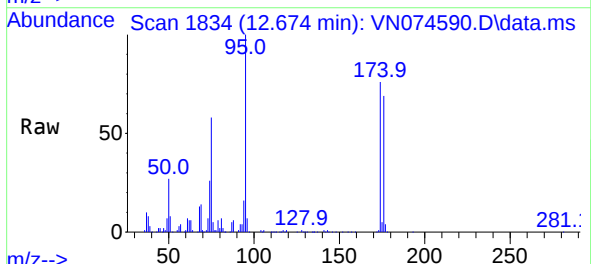
Instrument :
MSVOA_N
ClientSampleId :
5869-2

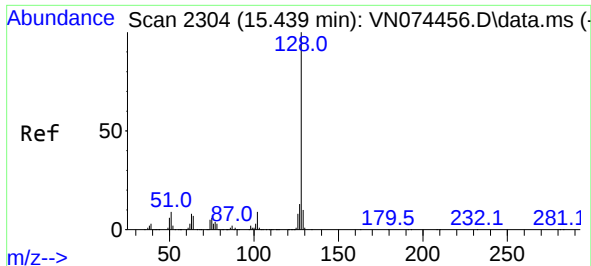
Tgt Ion: 75 Resp: 134530
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.489 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion: 75 Resp: 134530
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

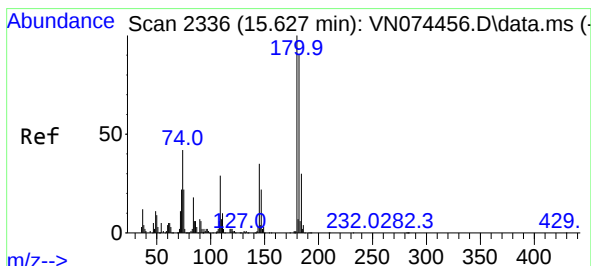
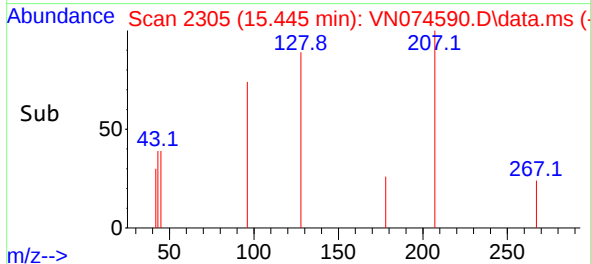
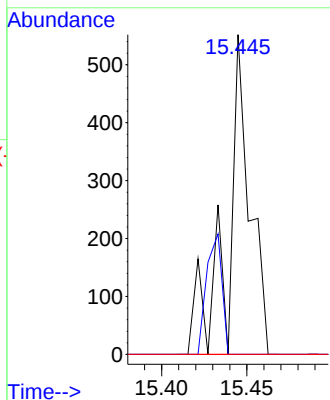
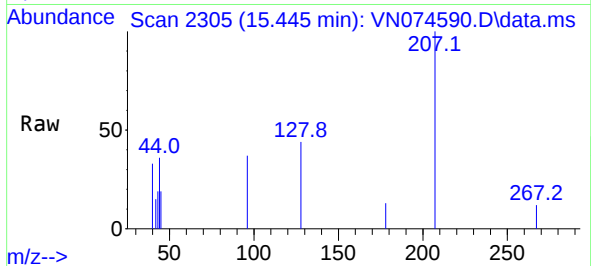




#95
Naphthalene
Concen: 1.616 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :
5869-2

Tgt Ion:128 Resp: 508
Ion Ratio Lower Upper
128 100
127 25.6 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.352 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074590.D
Acq: 19 Sep 2022 16:52

Tgt Ion:180 Resp: 70
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

