

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074465.D
 Acq On : 15 Sep 2022 16:45
 Operator : JC\MD
 Sample : N4471-15DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-11-16-083022-FDDL

Quant Time: Sep 16 01:45:58 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)

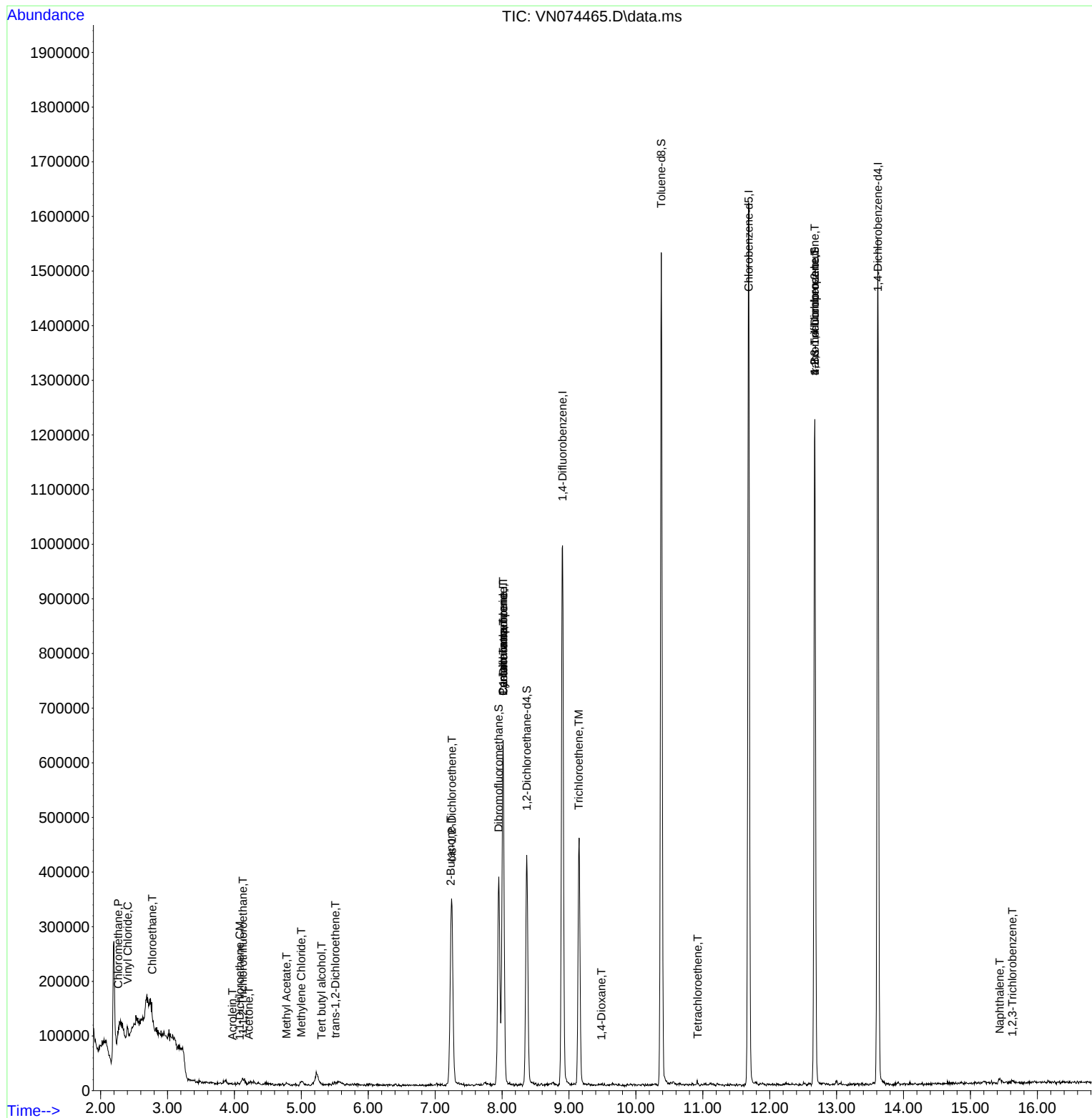
Internal Standards						
1) Pentafluorobenzene	8.016	168	450413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	854615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	839816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	364086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	324857	42.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.020%		
35) Dibromofluoromethane	7.951	113	262635	46.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.520%		
50) Toluene-d8	10.380	98	994445	45.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.580%		
62) 4-Bromofluorobenzene	12.674	95	398492	52.994	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.980%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	2454	0.554	ug/l #	46
4) Vinyl Chloride	2.404	62	12271	1.391	ug/l #	43
6) Chloroethane	2.775	64	6371	1.057	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.128	101	5935	0.985	ug/l #	93
11) Tert butyl alcohol	5.304	59	1042	0.419	ug/l #	81
12) 1,1-Dichloroethene	4.081	96	1071	0.862	ug/l #	1
13) Acrolein	3.969	56	425	0.467	ug/l #	37
16) Acetone	4.216	43	1974	0.404	ug/l #	42
18) Methyl Acetate	4.781	43	6152	0.405	ug/l #	56
20) Methylene Chloride	4.998	84	3210	0.461	ug/l #	63
21) trans-1,2-Dichloroethene	5.510	96	684	0.533	ug/l #	1
25) 2-Butanone	7.234	43	2445	0.301	ug/l #	25
27) cis-1,2-Dichloroethene	7.251	96	180634	21.659	ug/l	97
28) Bromochloromethane	7.616	49	53	Below Cal	#	8
31) Cyclohexane	8.016	56	14522	1.071	ug/l #	23
36) 1,1-Dichloropropene	8.016	75	40612	4.042	ug/l #	51
38) Carbon Tetrachloride	8.016	117	46843	5.049	ug/l #	16
44) Trichloroethene	9.145	130	150546	22.390	ug/l	91
49) 1,4-Dioxane	9.486	88	137	0.661	ug/l #	1
64) Tetrachloroethene	10.922	164	1508	0.262	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	229093	20.442	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	229093	44.121	ug/l #	10
95) Naphthalene	15.439	128	7696	1.828	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.627	180	1323	1.508	ug/l #	51

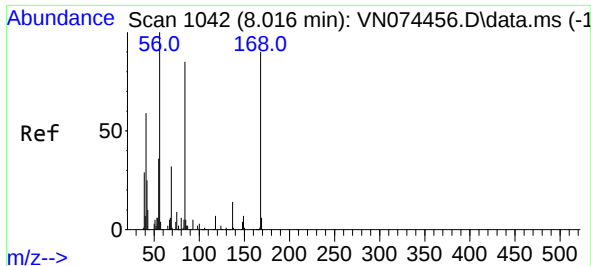
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
Data File : VN074465.D
Acq On : 15 Sep 2022 16:45
Operator : JC\MD
Sample : N4471-15DL 200X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

Quant Time: Sep 16 01:45:58 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

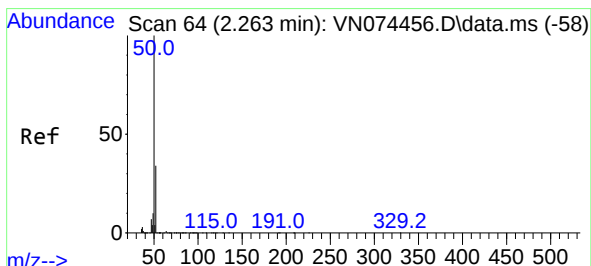
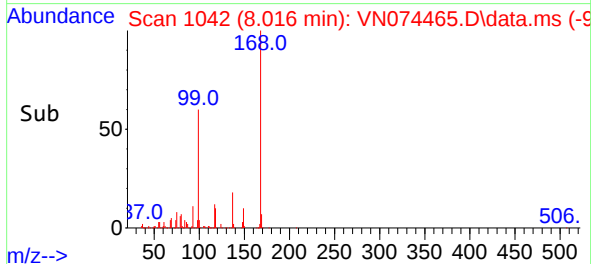
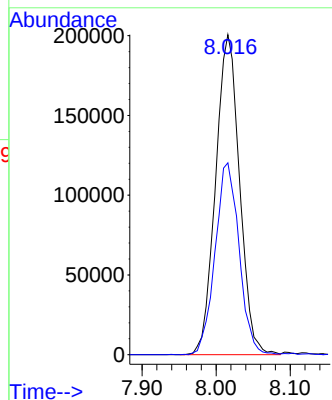
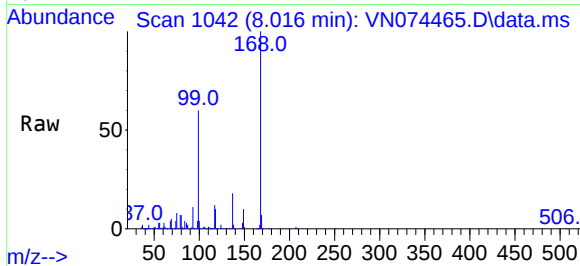




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

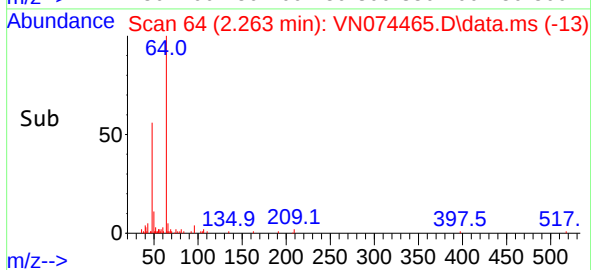
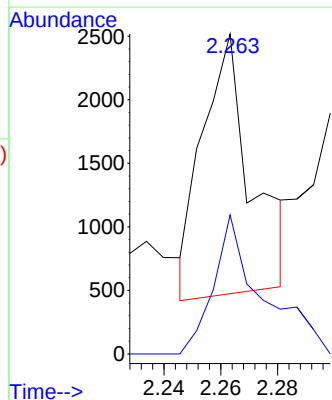
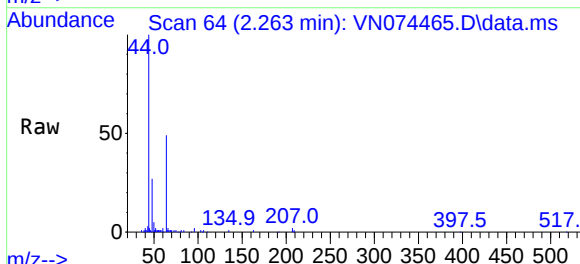
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

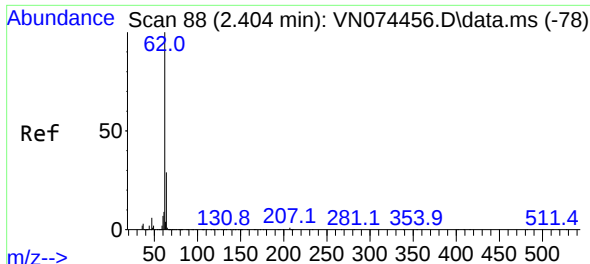
Tgt Ion:168 Resp: 450413
Ion Ratio Lower Upper
168 100
99 60.0 42.3 63.5



#3
Chloromethane
Concen: 0.554 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 50 Resp: 2454
Ion Ratio Lower Upper
50 100
52 62.1 25.7 38.5#

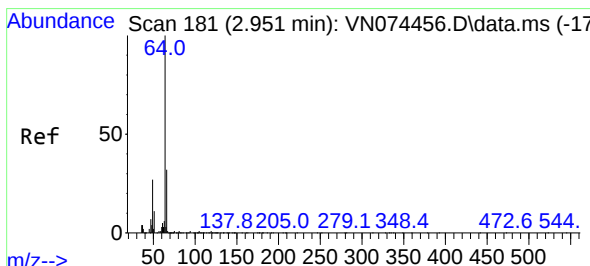
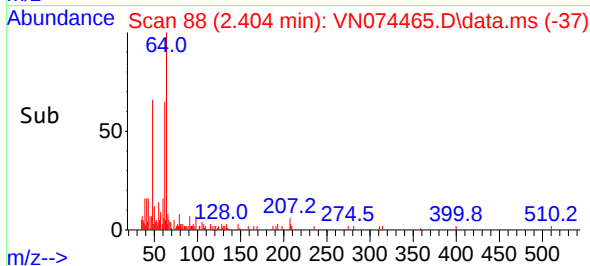
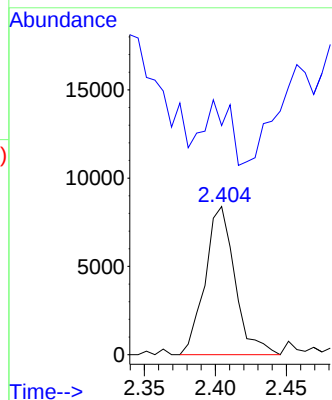
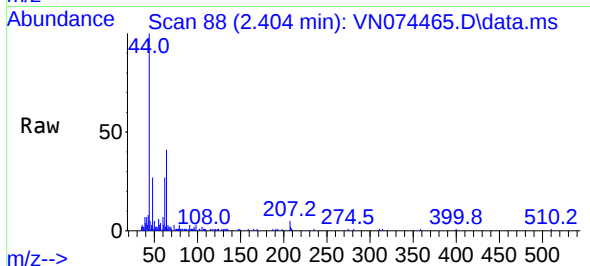




#4
 Vinyl Chloride
 Concen: 1.391 ug/l
 RT: 2.404 min Scan# 88
 Delta R.T. 0.000 min
 Lab File: VN074465.D
 Acq: 15 Sep 2022 16:45

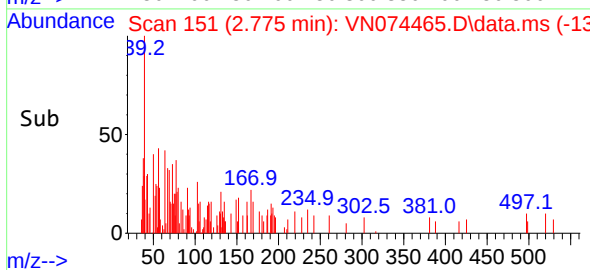
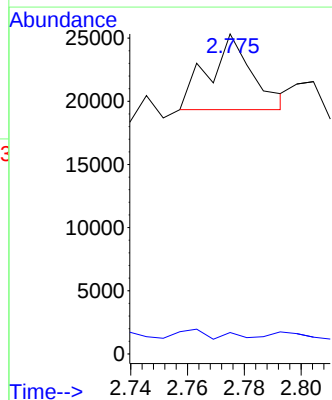
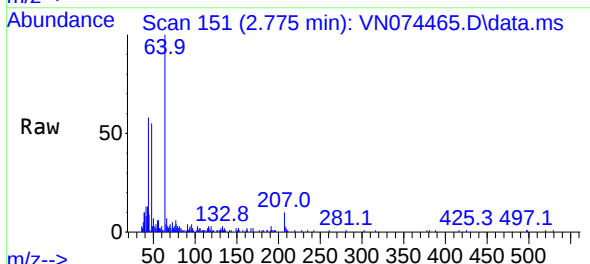
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-11-16-083022-FDDL

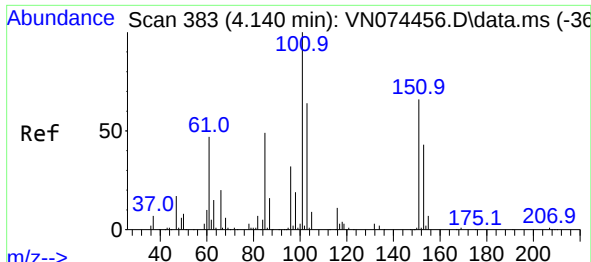
Tgt Ion: 62 Resp: 12271
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.4#



#6
 Chloroethane
 Concen: 1.057 ug/l
 RT: 2.775 min Scan# 151
 Delta R.T. -0.176 min
 Lab File: VN074465.D
 Acq: 15 Sep 2022 16:45

Tgt Ion: 64 Resp: 6371
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.2 39.4#

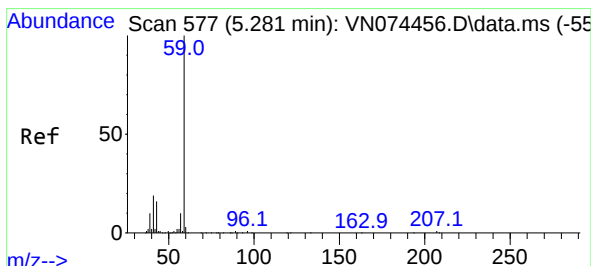
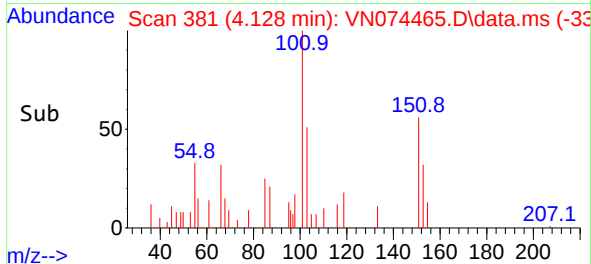
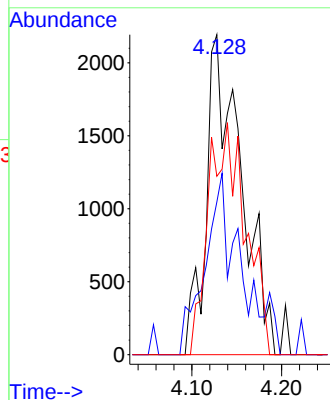
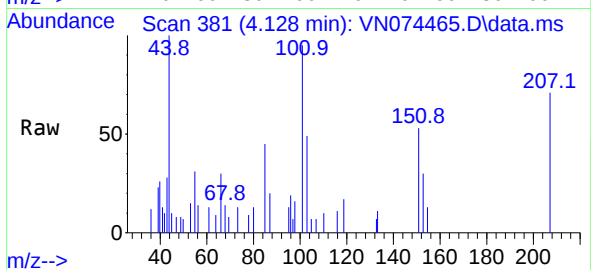




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.985 ug/l
RT: 4.128 min Scan# 381
Delta R.T. -0.012 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

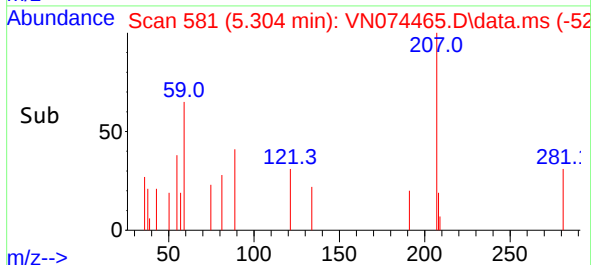
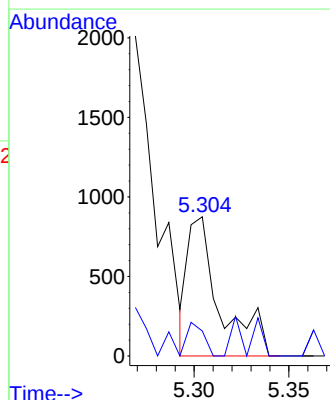
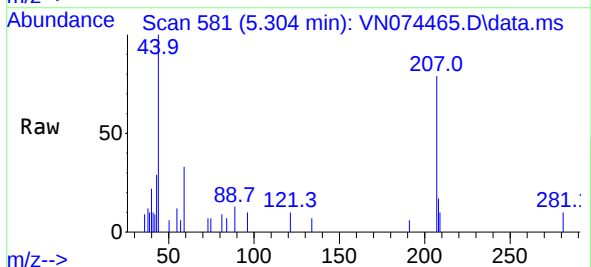
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

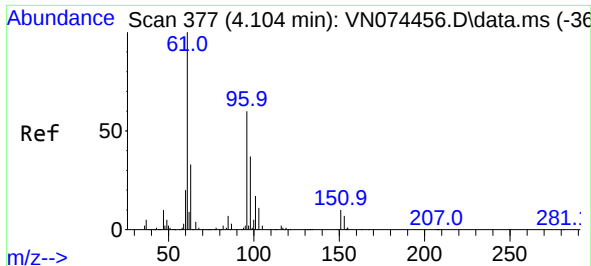
Tgt Ion:101 Resp: 5935
Ion Ratio Lower Upper
101 100
85 54.6 34.7 52.1#
151 77.1 63.0 94.4



#11
Tert butyl alcohol
Concen: 0.419 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.023 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 59 Resp: 1042
Ion Ratio Lower Upper
59 100
57 17.7 8.3 12.5#

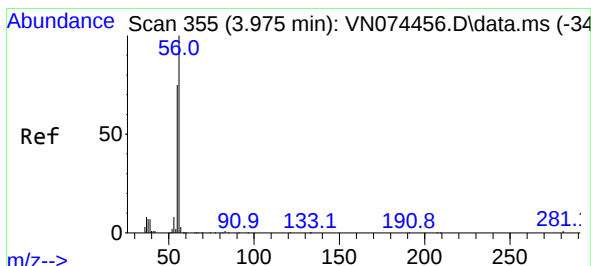
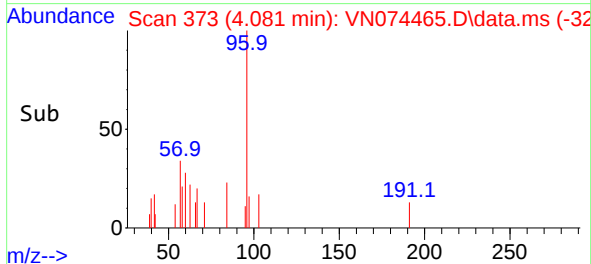
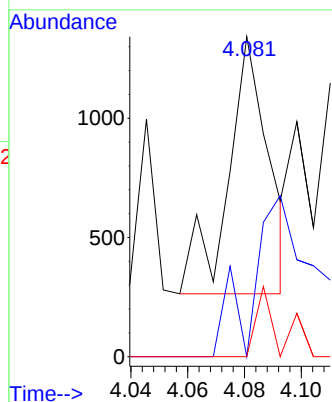
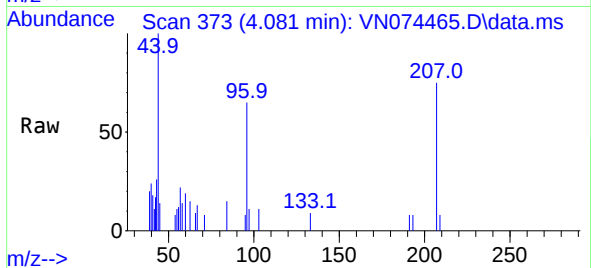




#12
1,1-Dichloroethene
Concen: 0.862 ug/l
RT: 4.081 min Scan# 31
Delta R.T. -0.023 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

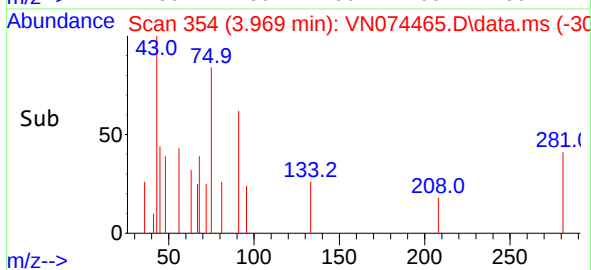
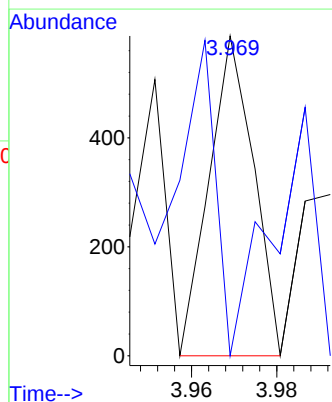
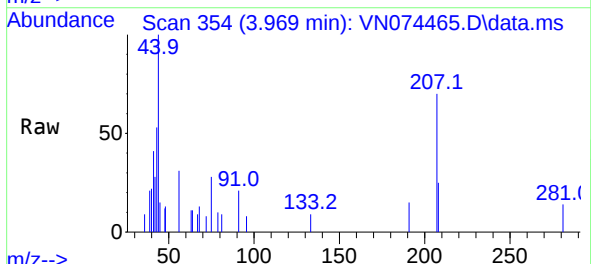
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

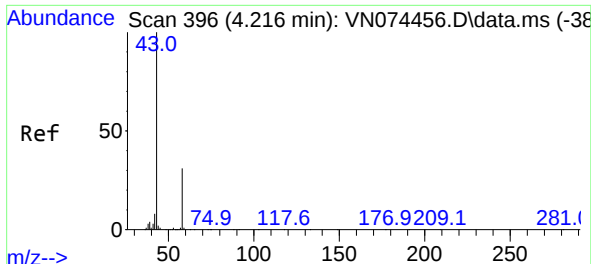
Tgt Ion: 96 Resp: 1071
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.467 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.006 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 119.5 54.8 82.2#

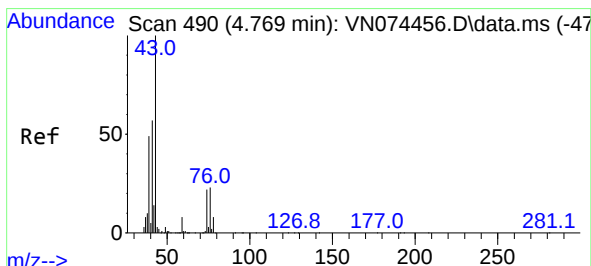
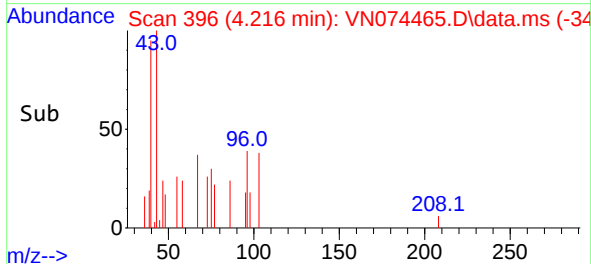
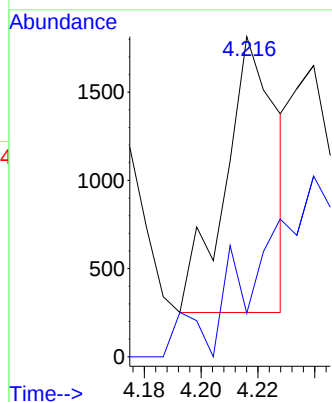
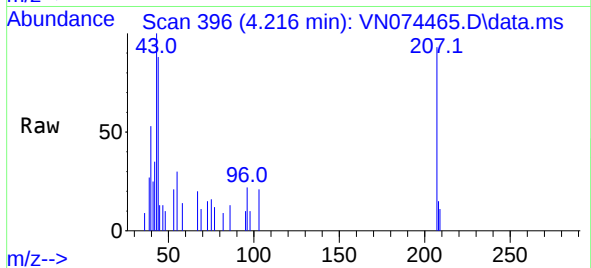




#16
Acetone
Concen: 0.404 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

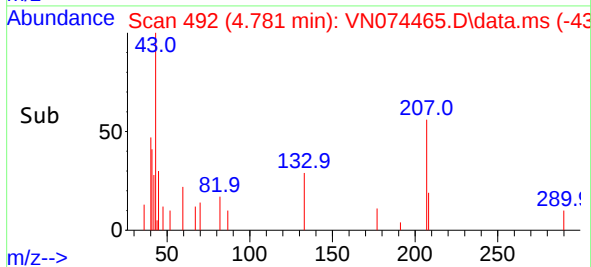
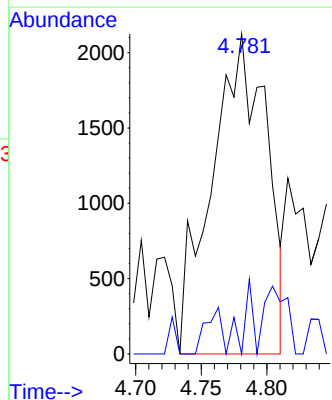
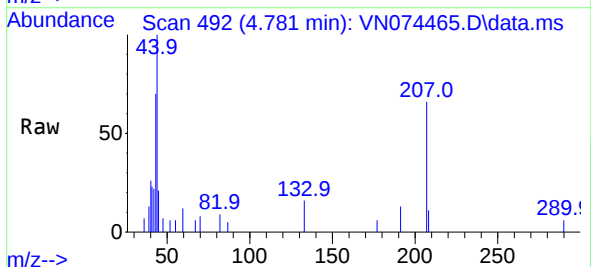
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

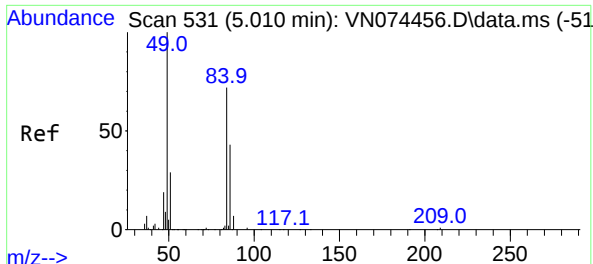
Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 43 Resp: 6152
Ion Ratio Lower Upper
43 100
74 4.2 21.6 32.4#

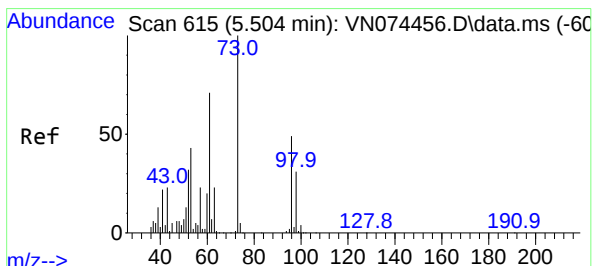
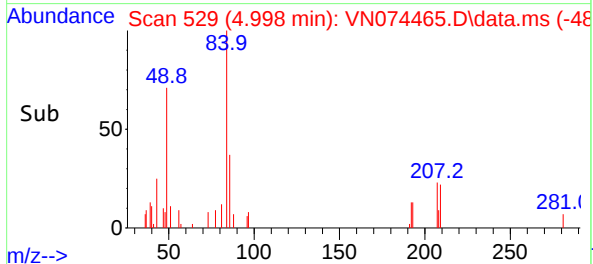
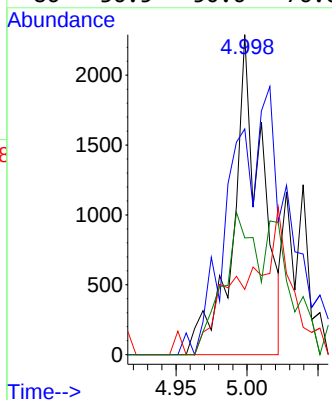
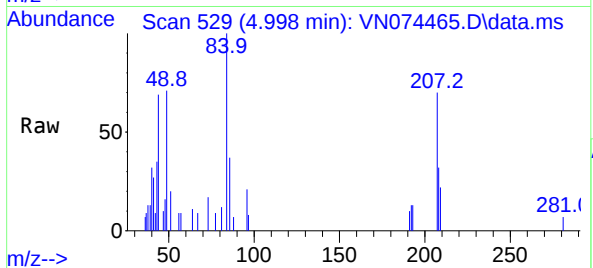




#20
Methylene Chloride
Concen: 0.461 ug/l
RT: 4.998 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

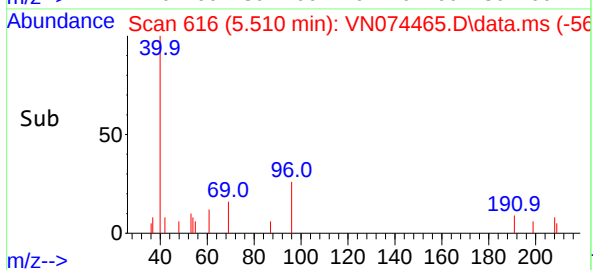
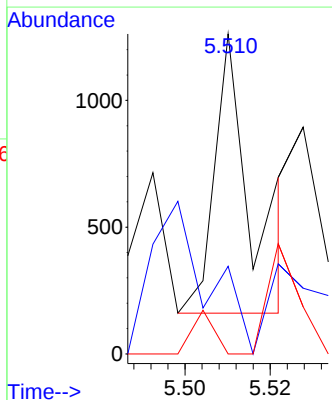
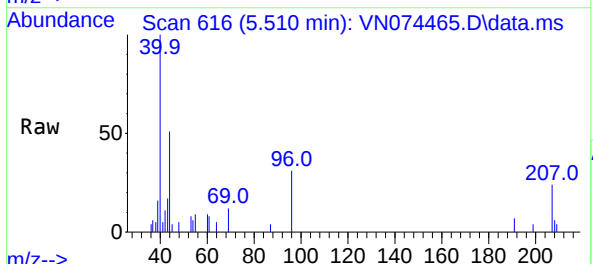
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

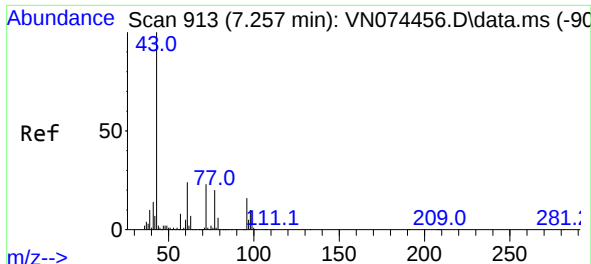
Tgt Ion: 84 Resp: 3210
Ion Ratio Lower Upper
84 100
49 70.6 88.3 132.5#
51 13.1 28.2 42.2#
86 36.5 50.6 76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.533 ug/l
RT: 5.510 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 96 Resp: 684
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.301 ug/l

RT: 7.234 min Scan# 90

Delta R.T. -0.023 min

Lab File: VN074465.D

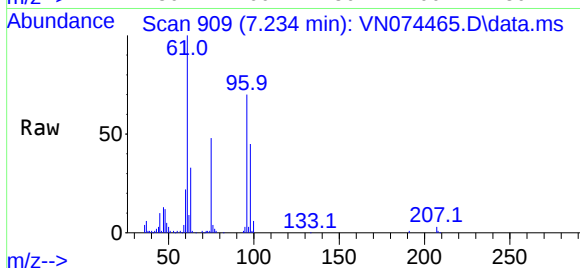
Acq: 15 Sep 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FDDL

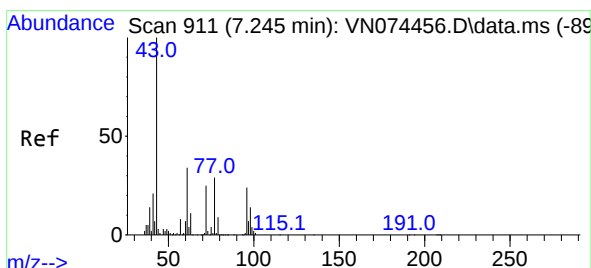
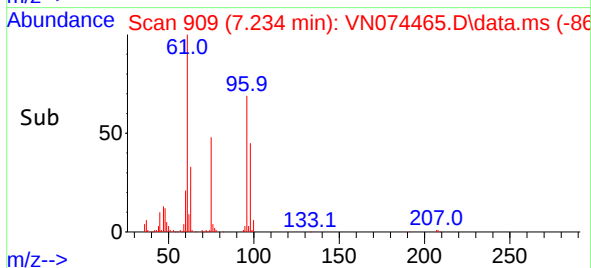
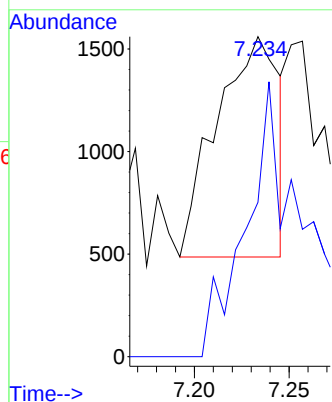


Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

72 70.1 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 21.659 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.006 min

Lab File: VN074465.D

Acq: 15 Sep 2022 16:45

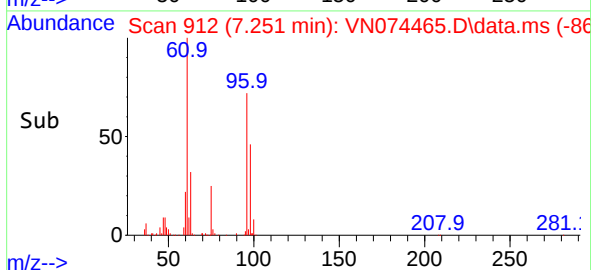
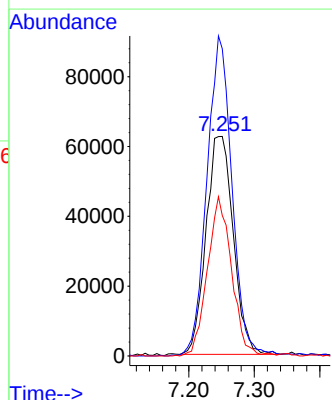
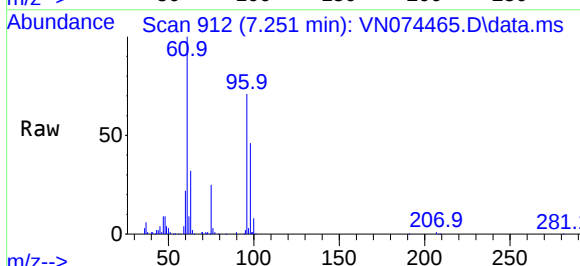
Tgt Ion: 96 Resp: 180634

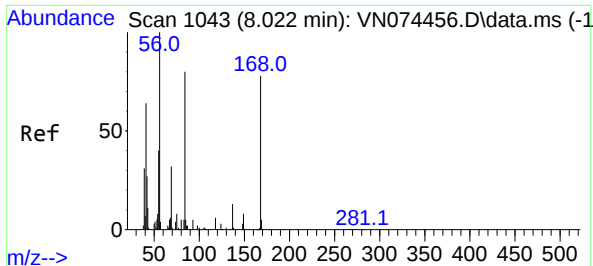
Ion Ratio Lower Upper

96 100

61 134.7 0.0 280.6

98 64.3 0.0 128.4





#31

Cyclohexane

Concen: 1.071 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074465.D

Acq: 15 Sep 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FDDL

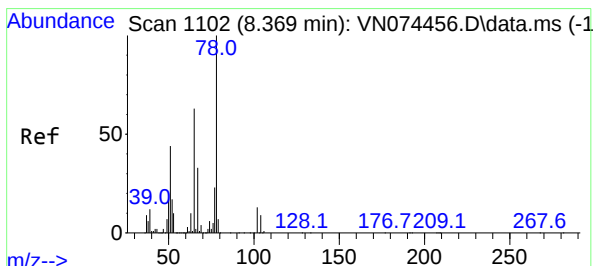
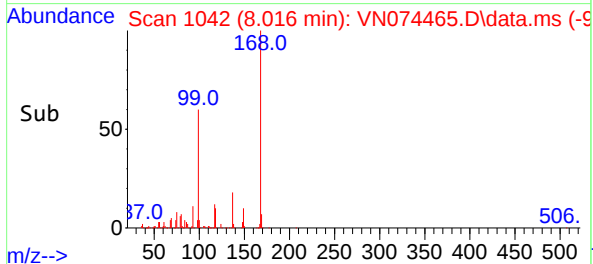
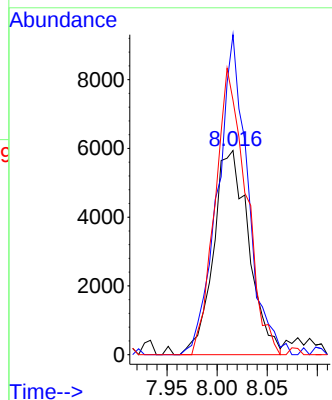
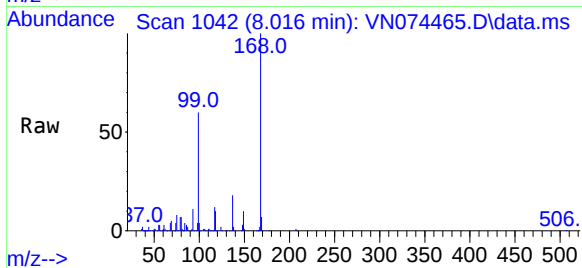
Tgt Ion: 56 Resp: 14522

Ion Ratio Lower Upper

56 100

69 156.7 27.8 41.8#

84 124.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 42.508 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074465.D

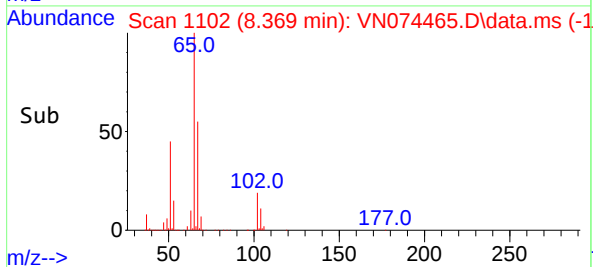
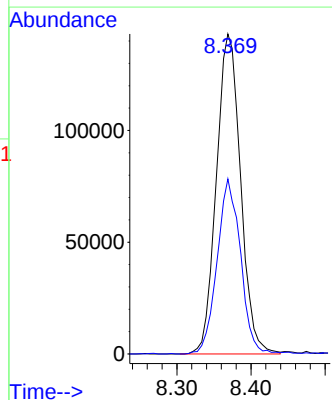
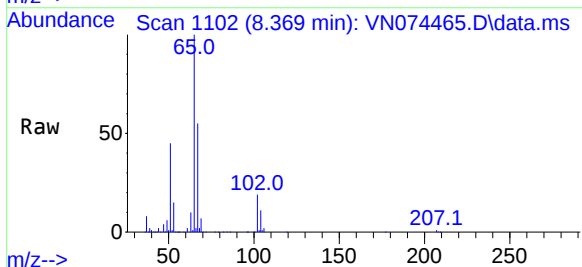
Acq: 15 Sep 2022 16:45

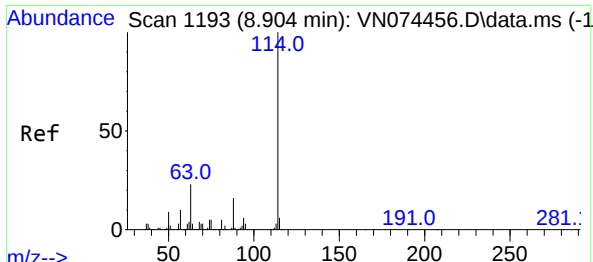
Tgt Ion: 65 Resp: 324857

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8

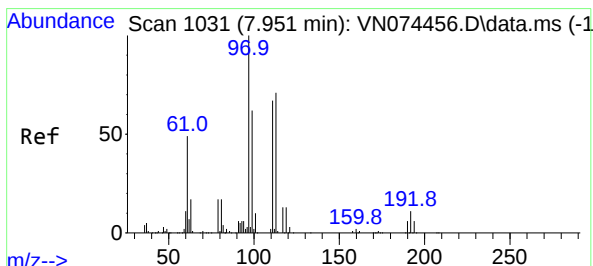
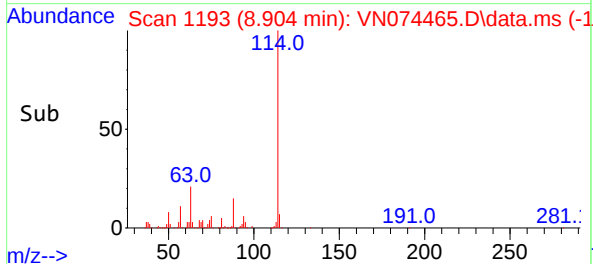
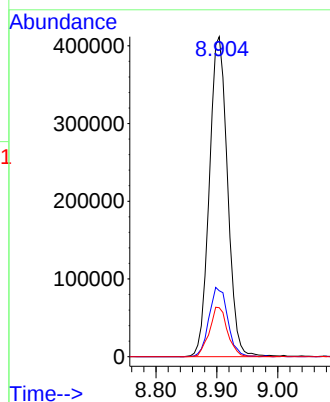
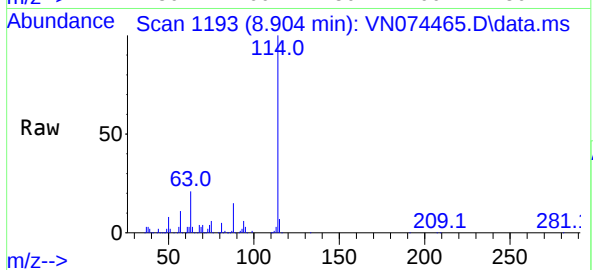




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

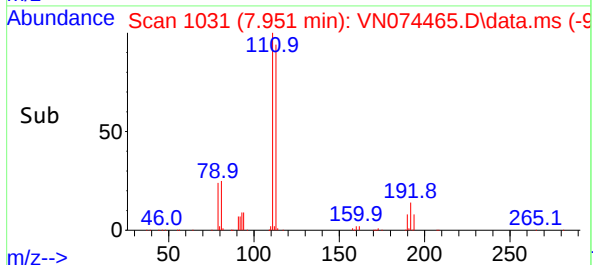
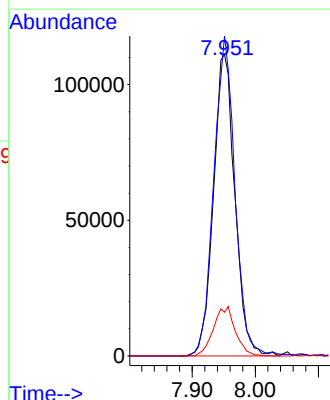
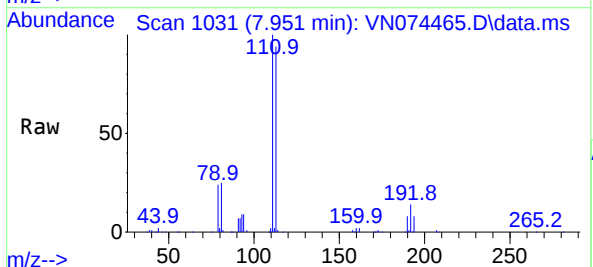
Instrument : MSVOA_N
ClientSampleId : MW-11A-11-16-083022-FDDL

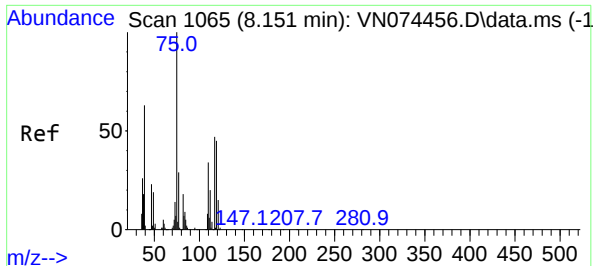
Tgt Ion:	114	Resp:	854615
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.0
88	15.3	0.0	32.6



#35
Dibromofluoromethane
Concen: 46.263 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion:	113	Resp:	262635
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.4	122.0
192	16.7	17.0	25.6#

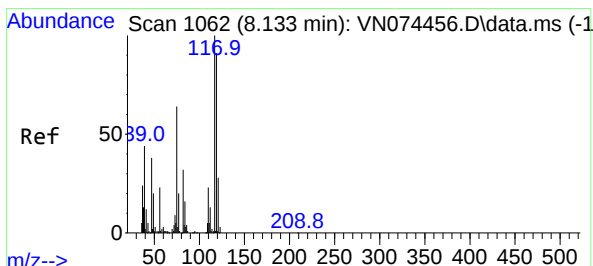
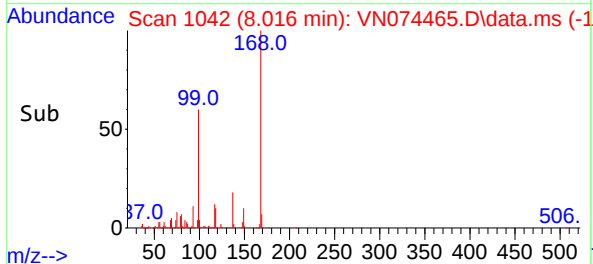
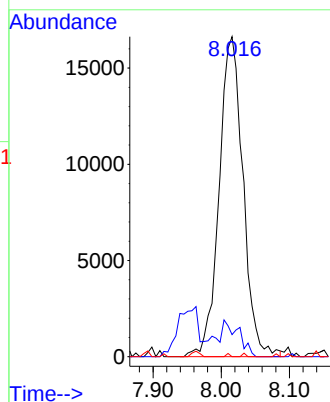
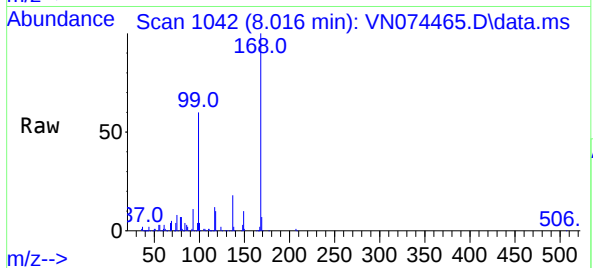




#36
1,1-Dichloropropene
Concen: 4.042 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

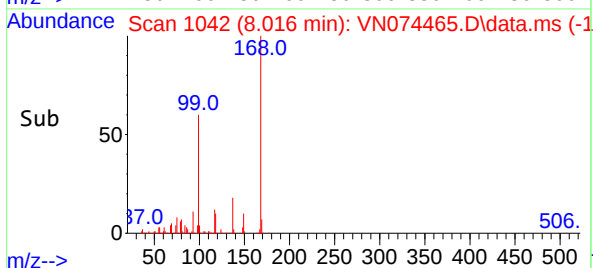
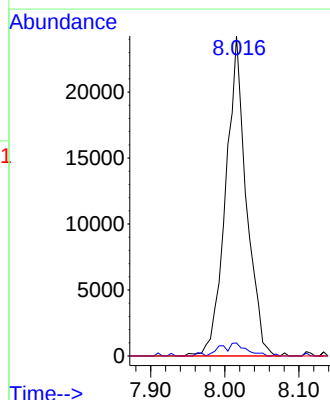
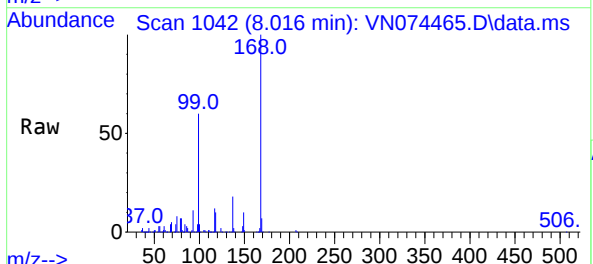
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

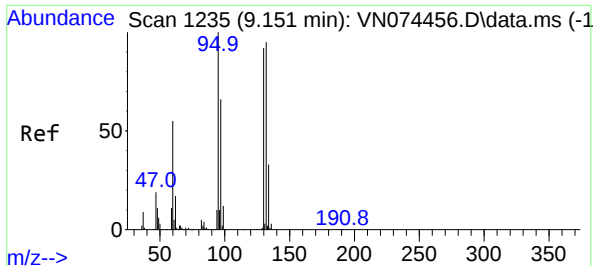
Tgt Ion: 75 Resp: 40612
Ion Ratio Lower Upper
75 100
110 10.9 18.3 54.8#
77 0.1 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 117 Resp: 46843
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#

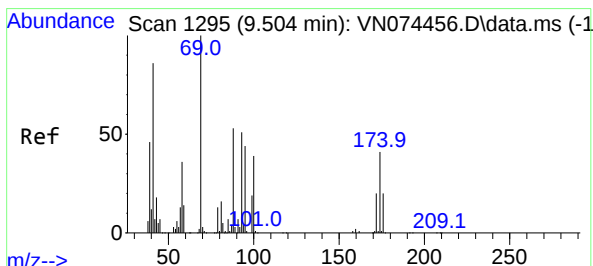
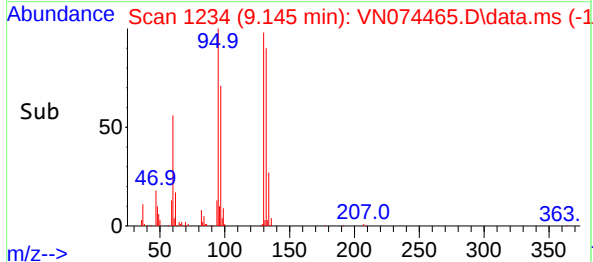
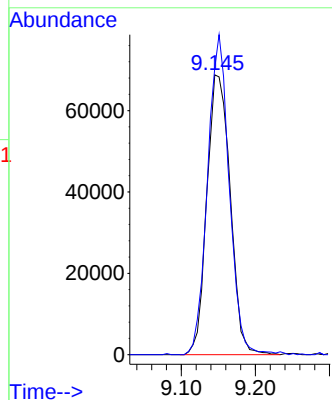
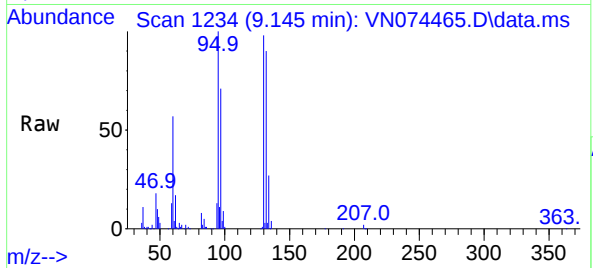




#44
Trichloroethene
Concen: 22.390 ug/l
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

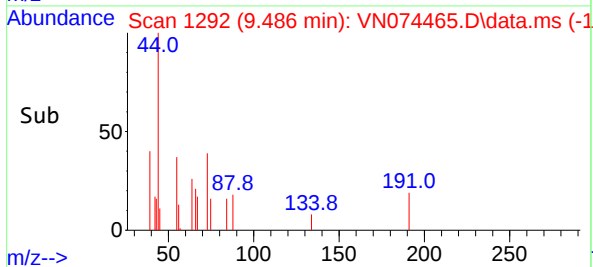
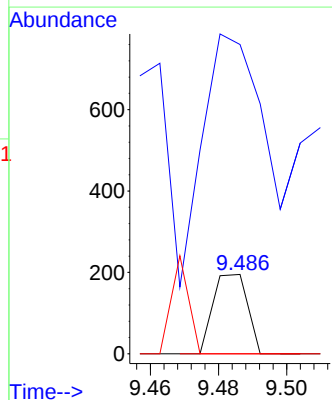
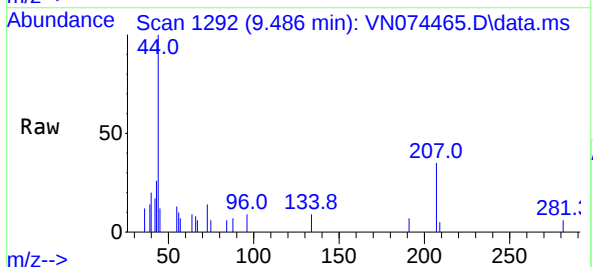
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

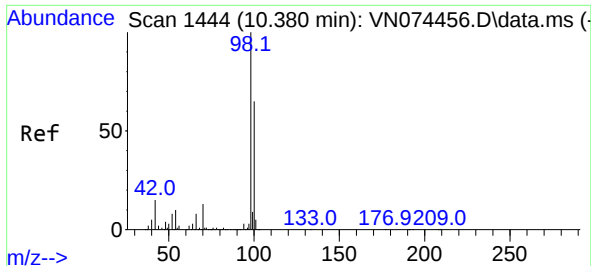
Tgt Ion:130 Resp: 150546
Ion Ratio Lower Upper
130 100
95 102.5 0.0 186.8



#49
1,4-Dioxane
Concen: 0.661 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 565.7 20.2 30.4#
58 0.0 54.2 81.4#

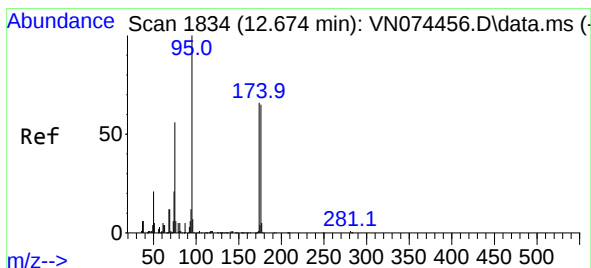
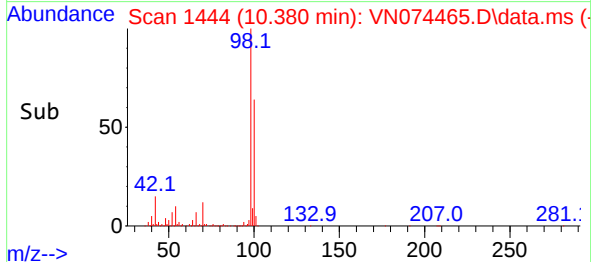
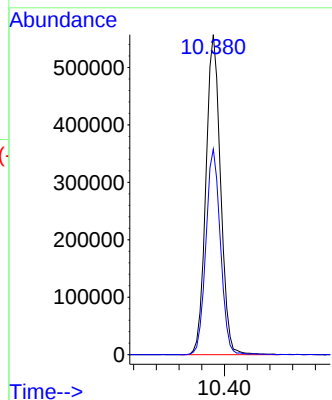
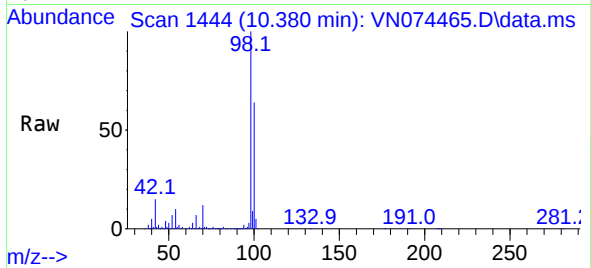




#50
Toluene-d8
Concen: 45.294 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

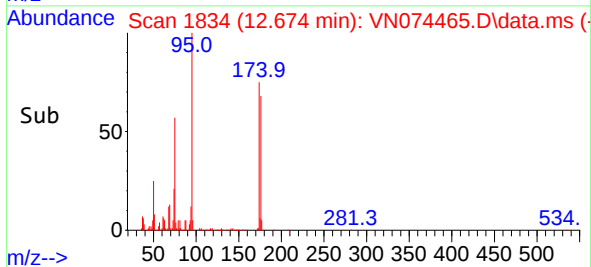
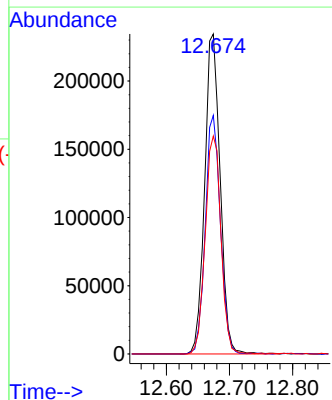
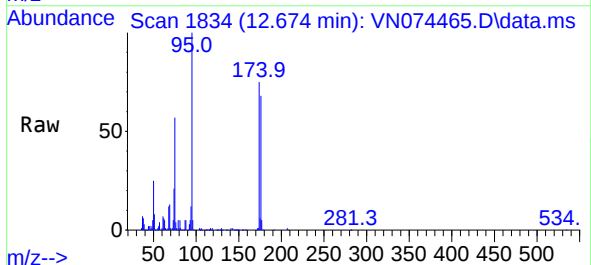
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

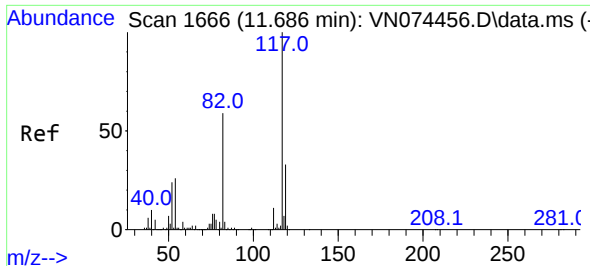
Tgt Ion: 98 Resp: 994445
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 52.994 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 95 Resp: 398492
Ion Ratio Lower Upper
95 100
174 72.9 0.0 167.6
176 69.2 0.0 163.4

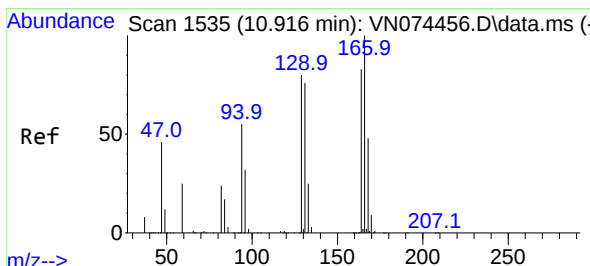
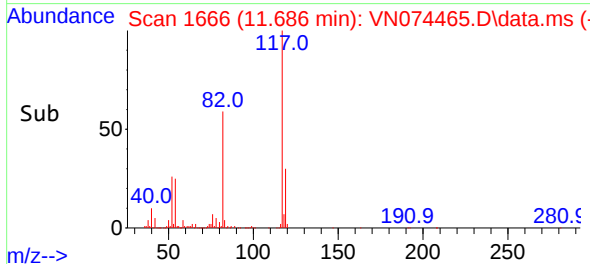
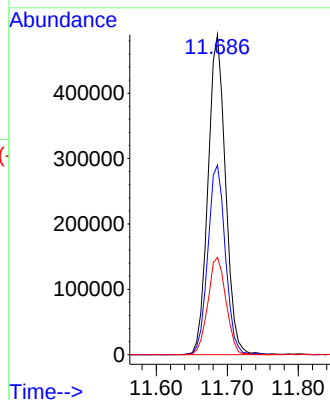
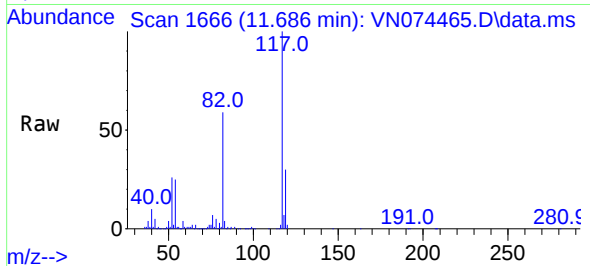




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

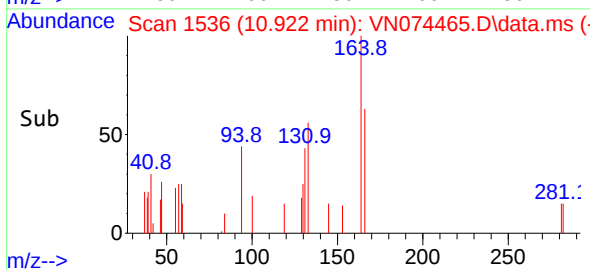
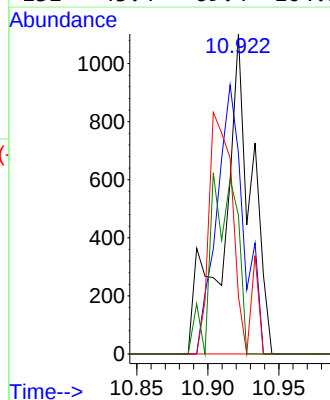
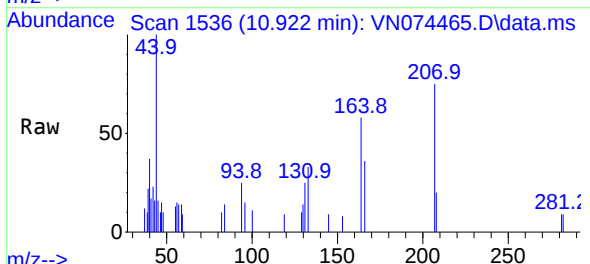
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

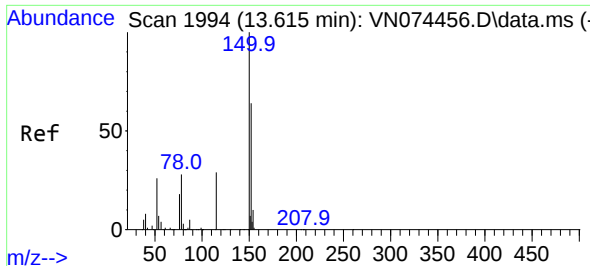
Tgt Ion:	117	Resp:	839816
Ion	Ratio	Lower	Upper
117	100		
82	59.2	44.2	66.2
119	30.4	25.4	38.0



#64
Tetrachloroethene
Concen: 0.262 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. 0.006 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion:	164	Resp:	1508
Ion	Ratio	Lower	Upper
164	100		
166	62.7	104.2	156.2#
129	18.1	73.9	110.9#
131	43.4	69.4	104.2#

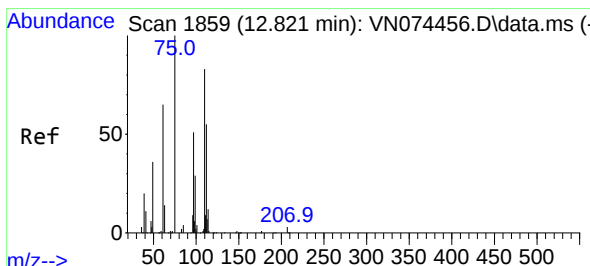
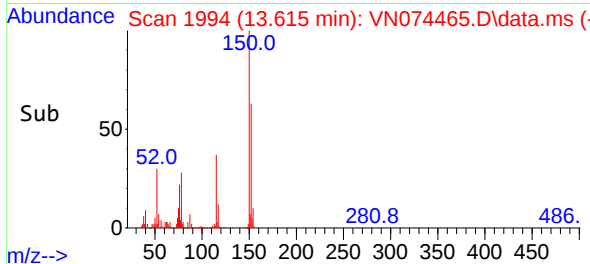
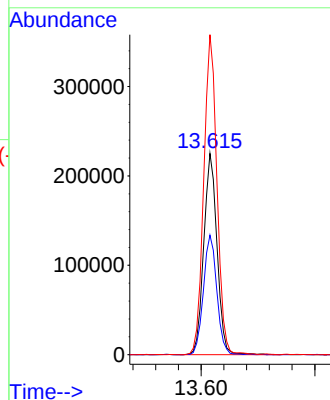
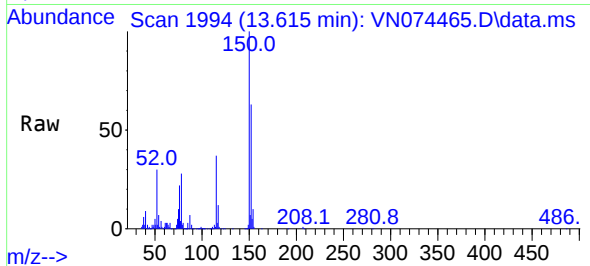




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

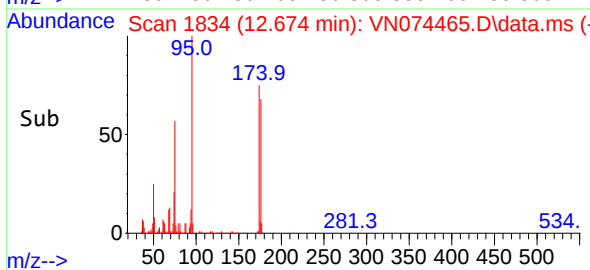
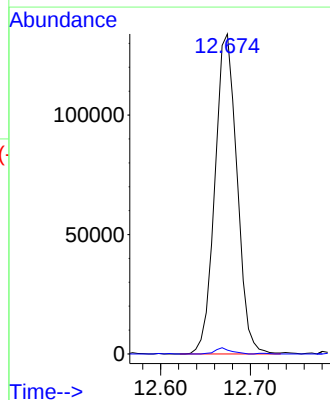
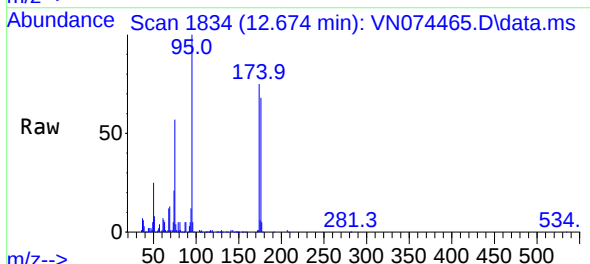
Instrument : MSVOA_N
ClientSampleId : MW-11A-11-16-083022-FDDL

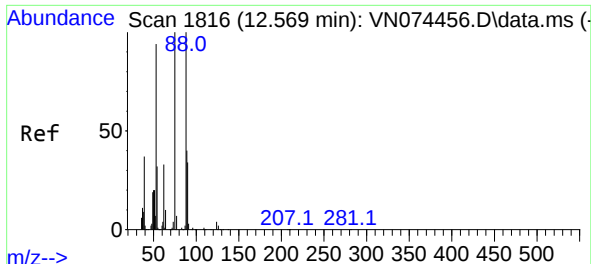
Tgt Ion:152 Resp: 364086
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 158.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 20.442 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Tgt Ion: 75 Resp: 229093
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

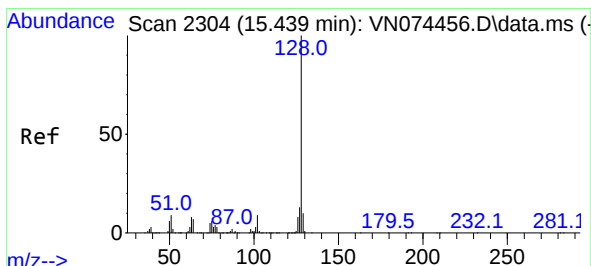
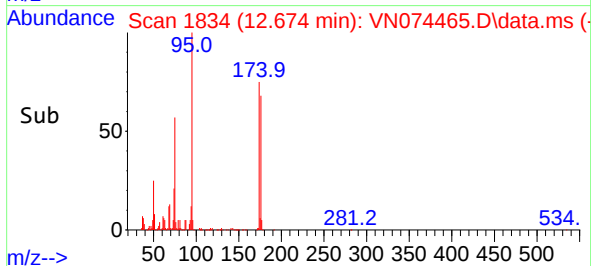
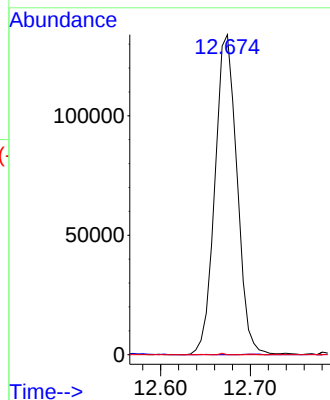
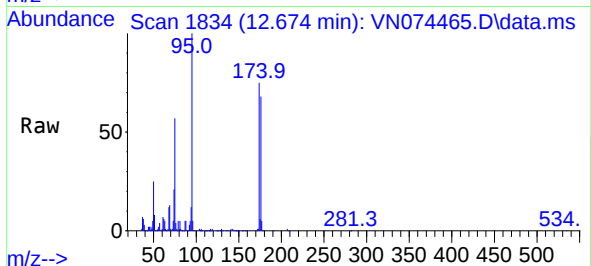




#81
trans-1,4-Dichloro-2-butene
Concen: 44.121 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

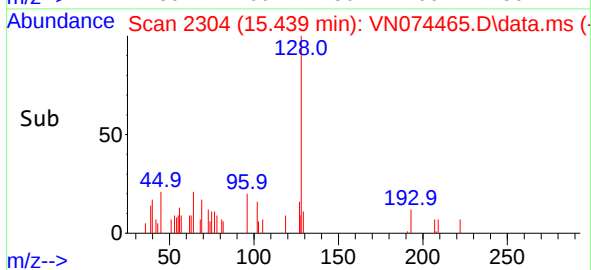
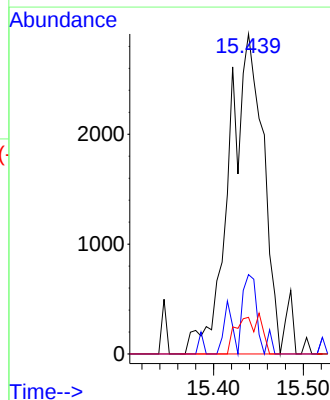
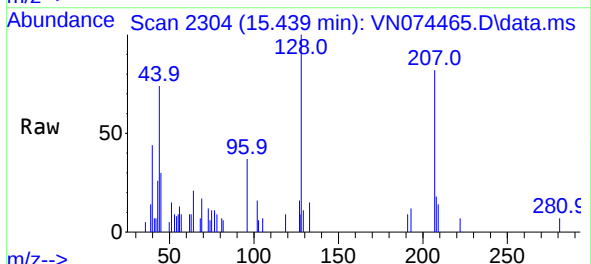
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL

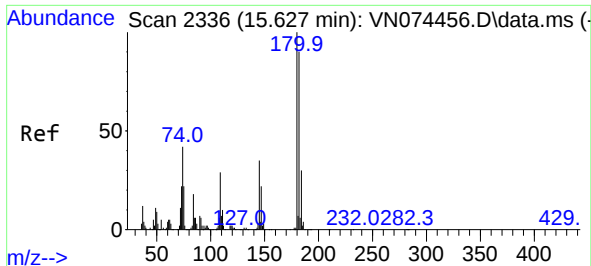
Tgt Ion: 75 Resp: 229093
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.828 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

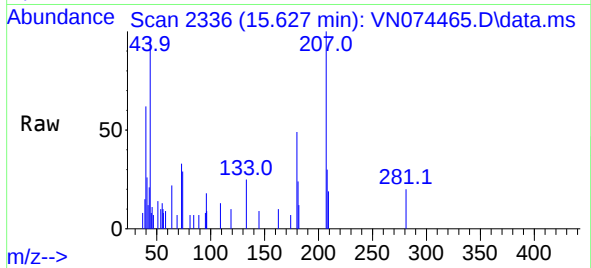
Tgt Ion:128 Resp: 7696
Ion Ratio Lower Upper
128 100
127 9.9 10.3 15.5#
129 8.6 8.6 13.0





#96
1,2,3-Trichlorobenzene
Concen: 1.508 ug/l
RT: 15.627 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074465.D
Acq: 15 Sep 2022 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FDDL



Tgt Ion:180 Resp: 1323
Ion Ratio Lower Upper
180 100
182 37.0 47.8 143.3#
145 23.2 15.5 46.5

