

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074482.D
 Acq On : 16 Sep 2022 00:27
 Operator : JC\MD
 Sample : N4511-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S1-AQ_DM-IDW-20220902

Quant Time: Sep 16 01:48:34 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)

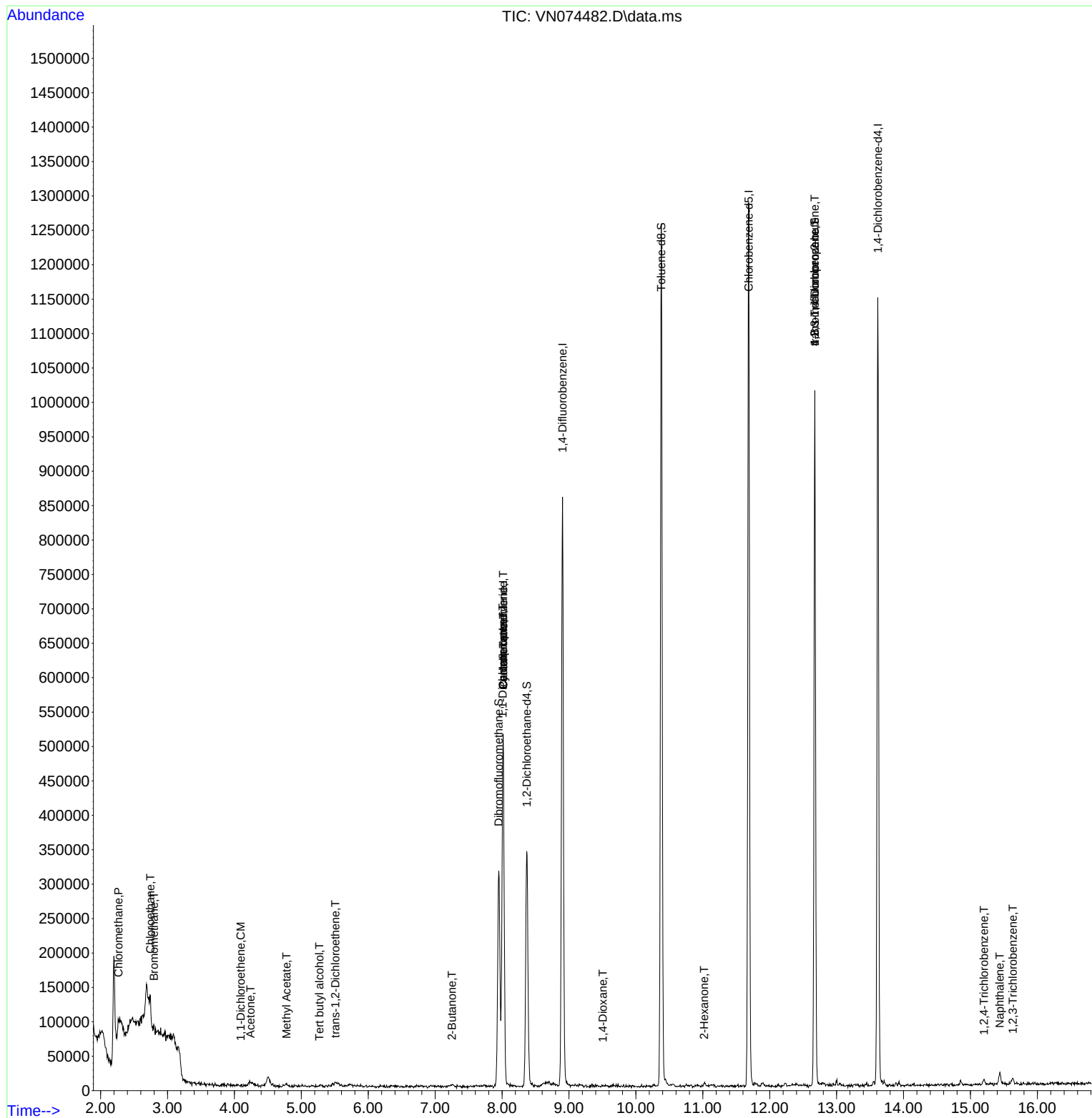
Internal Standards						
1) Pentafluorobenzene	8.016	168	365034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	696279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	678674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	276601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	277047	44.731	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.460%
35) Dibromofluoromethane	7.951	113	223476	48.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	10.380	98	822300	45.970	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.940%
62) 4-Bromofluorobenzene	12.674	95	309543	50.526	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	5152	1.025	ug/l #	58
5) Bromomethane	2.799	94	845	0.224	ug/l	92
6) Chloroethane	2.746	64	12284	2.515	ug/l #	69
11) Tert butyl alcohol	5.269	59	1236	0.613	ug/l #	94
12) 1,1-Dichloroethene	4.093	96	967	0.883	ug/l #	1
16) Acetone	4.240	43	9299	2.346	ug/l #	75
18) Methyl Acetate	4.781	43	4166	0.338	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	599	0.541	ug/l #	35
25) 2-Butanone	7.251	43	1327	0.202	ug/l #	45
28) Bromochloromethane	7.581	49	57	Below Cal	#	8
31) Cyclohexane	8.016	56	12332	1.122	ug/l #	41
36) 1,1-Dichloropropene	8.010	75	32558	3.977	ug/l #	50
38) Carbon Tetrachloride	8.016	117	39949	5.285	ug/l #	15
49) 1,4-Dioxane	9.504	88	113	0.669	ug/l #	1
59) 2-Hexanone	11.022	43	4817	0.488	ug/l	72
76) 1,2,3-Trichloropropane	12.674	75	182347	21.417	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	182347	46.225	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.204	180	2882	0.524	ug/l	77
95) Naphthalene	15.439	128	15013	2.203	ug/l	96
96) 1,2,3-Trichlorobenzene	15.633	180	2636	1.787	ug/l	76

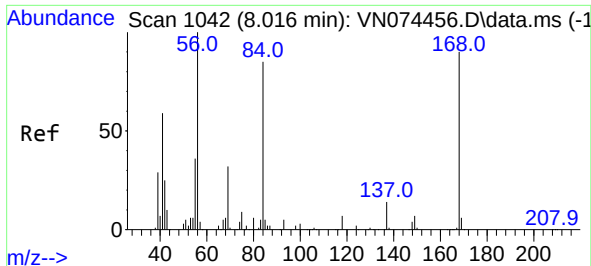
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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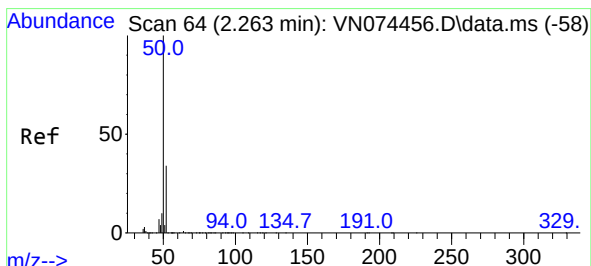
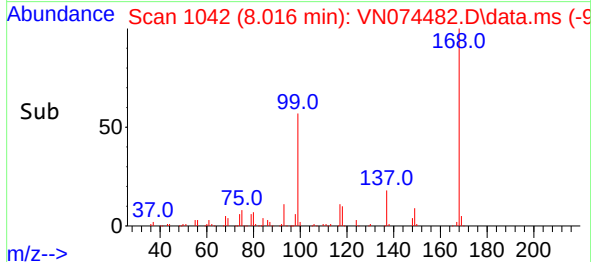
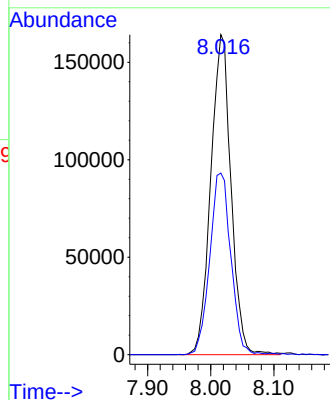
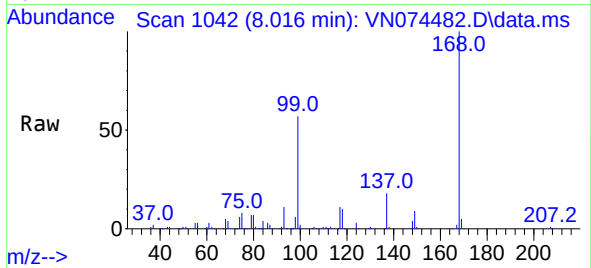




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

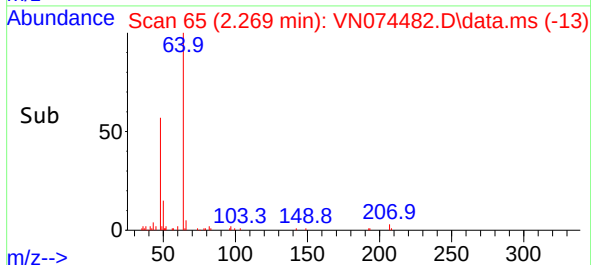
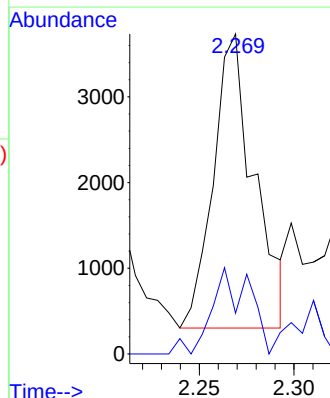
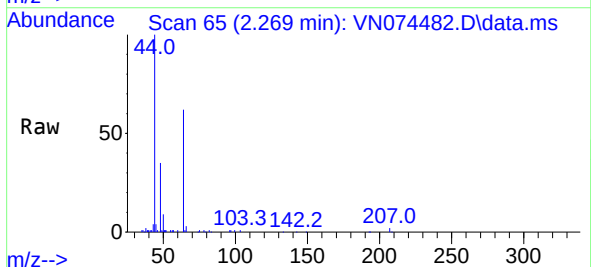
Instrument :
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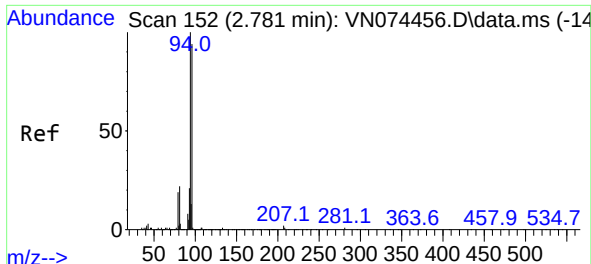
Tgt Ion:168 Resp: 365034
Ion Ratio Lower Upper
168 100
99 56.6 42.3 63.5



#3
Chloromethane
Concen: 1.025 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 50 Resp: 5152
Ion Ratio Lower Upper
50 100
52 8.7 25.7 38.5#

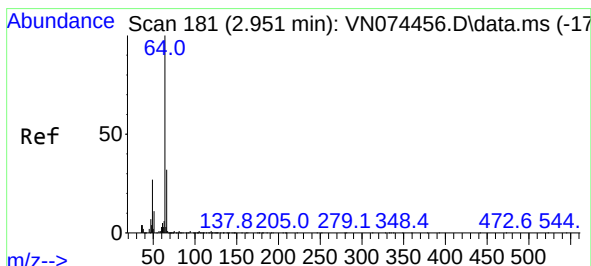
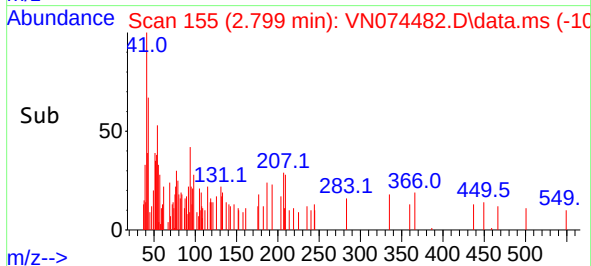
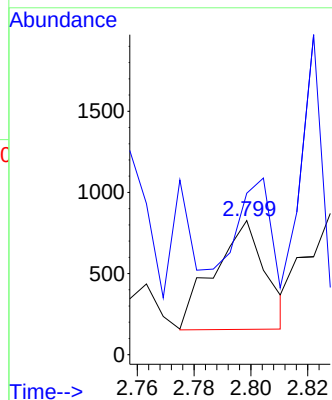
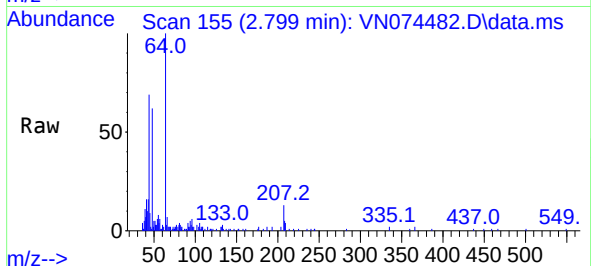




#5
Bromomethane
Concen: 0.224 ug/l
RT: 2.799 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

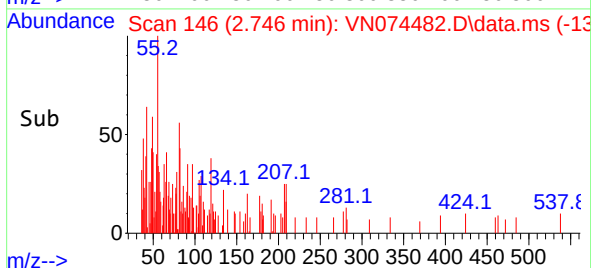
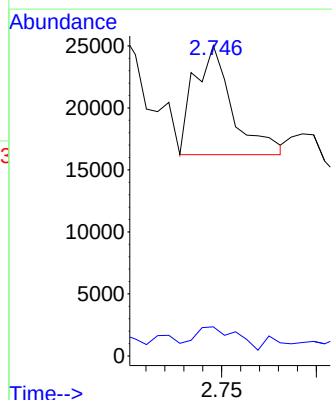
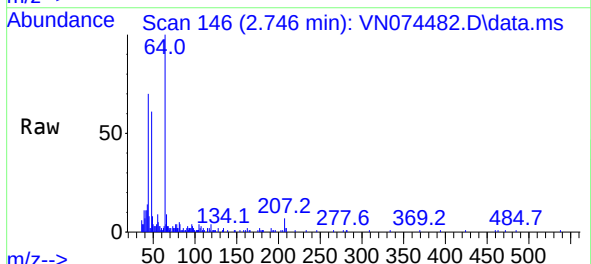
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

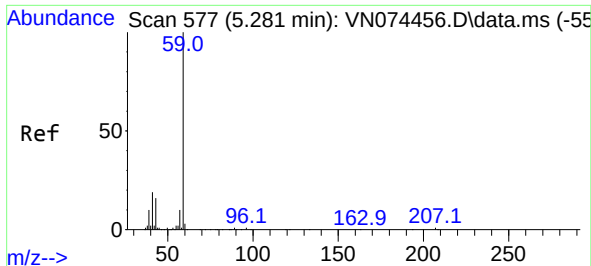
Tgt Ion: 94 Resp: 845
Ion Ratio Lower Upper
94 100
96 87.4 76.0 114.0



#6
Chloroethane
Concen: 2.515 ug/l
RT: 2.746 min Scan# 146
Delta R.T. -0.205 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 64 Resp: 12284
Ion Ratio Lower Upper
64 100
66 15.1 26.2 39.4#

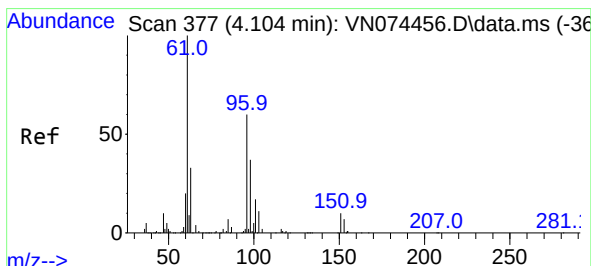
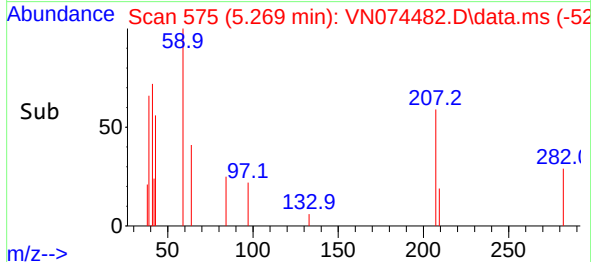
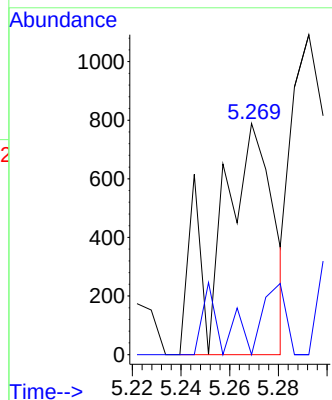
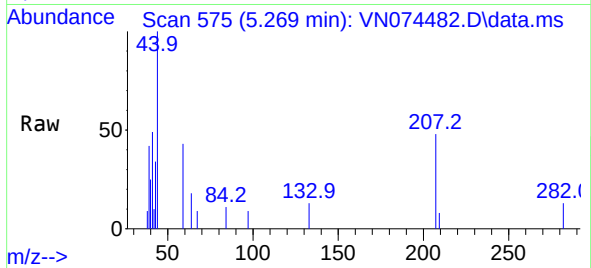




#11
Tert butyl alcohol
Concen: 0.613 ug/l
RT: 5.269 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

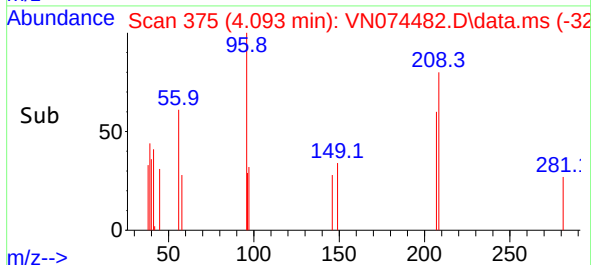
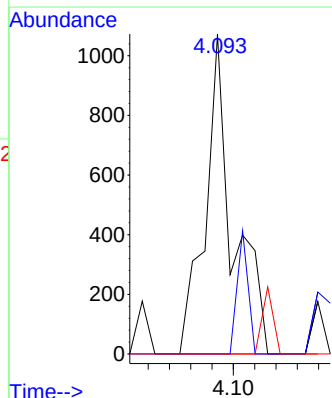
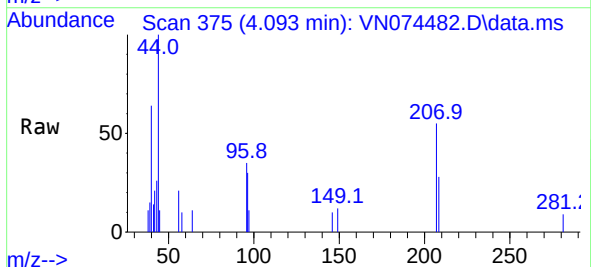
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

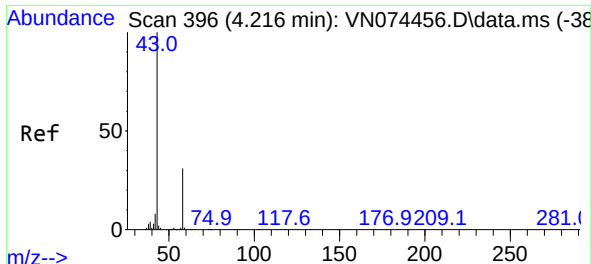
Tgt Ion: 59 Resp: 1236
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.883 ug/l
RT: 4.093 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 96 Resp: 967
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

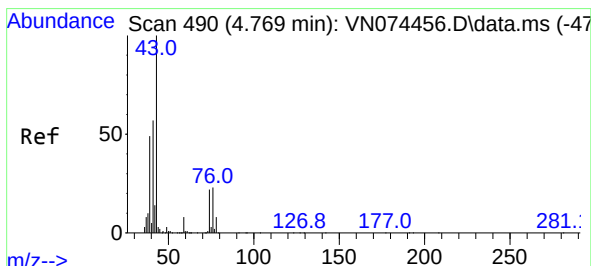
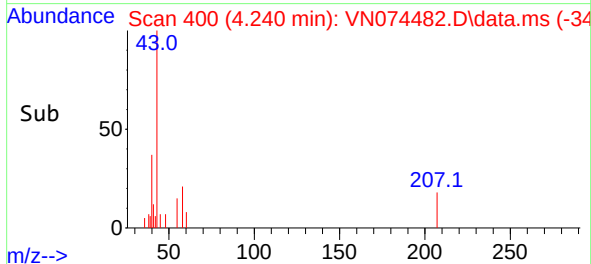
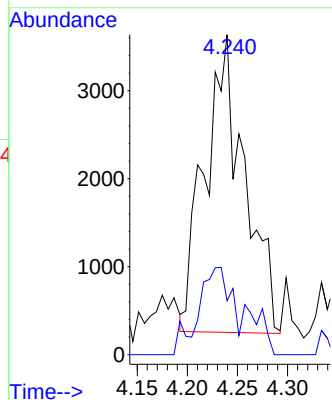
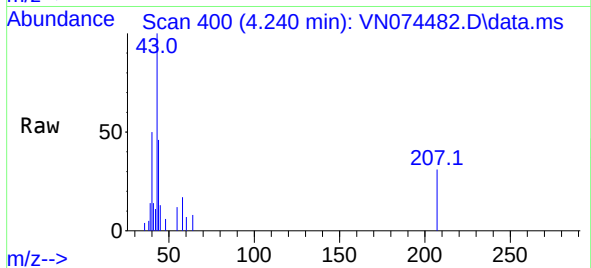




#16
Acetone
Concen: 2.346 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.024 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

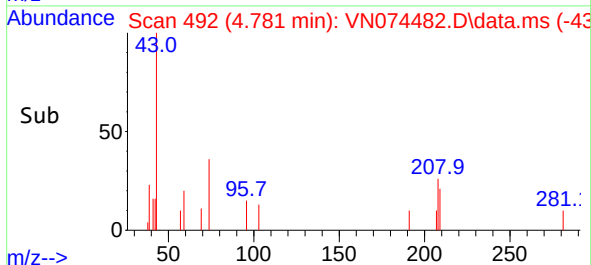
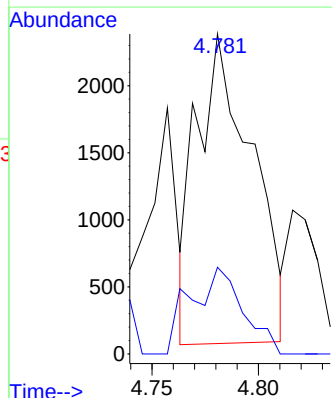
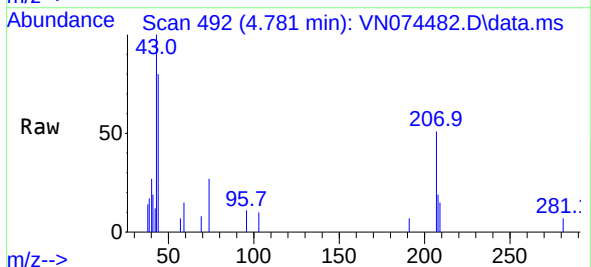
Instrument :
MSVOA_N
ClientSampleId :
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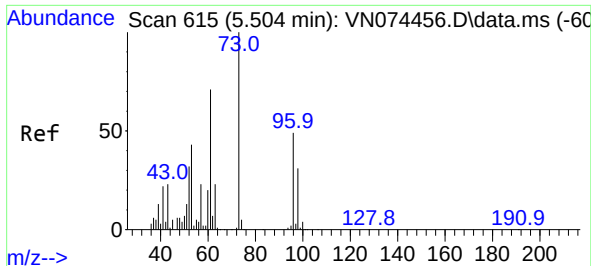
Tgt Ion: 43 Resp: 9299
Ion Ratio Lower Upper
43 100
58 18.2 26.0 39.0#



#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4

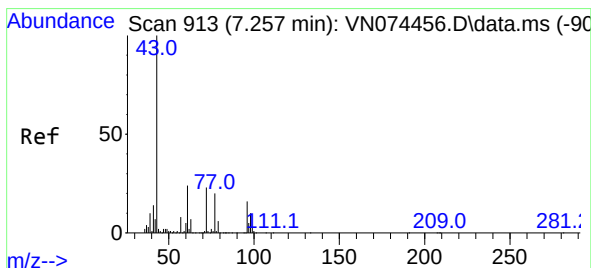
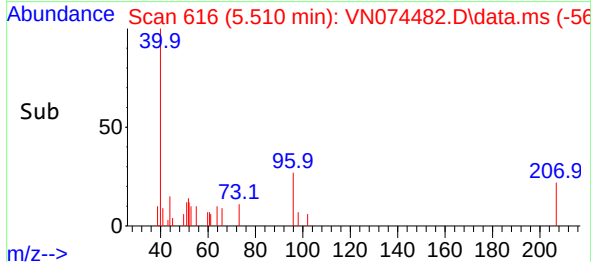
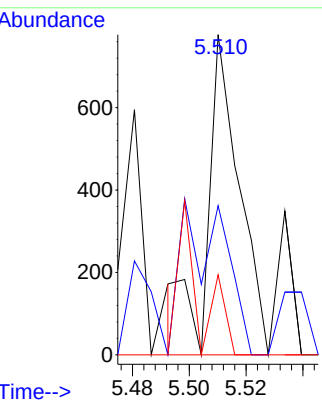
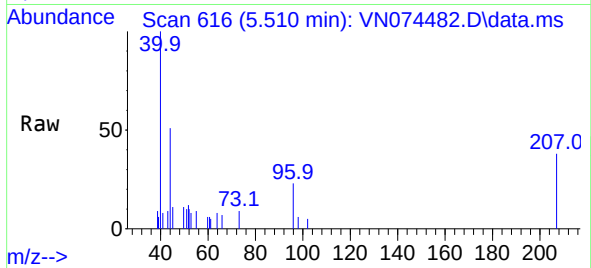




#21
trans-1,2-Dichloroethene
Concen: 0.541 ug/l
RT: 5.510 min Scan# 615
Delta R.T. 0.006 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

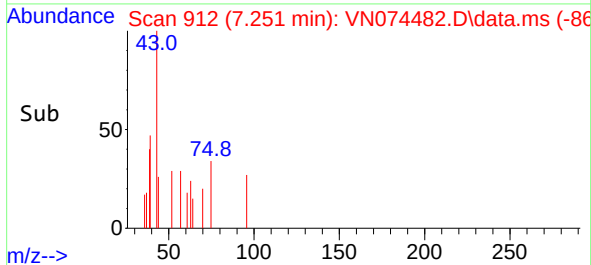
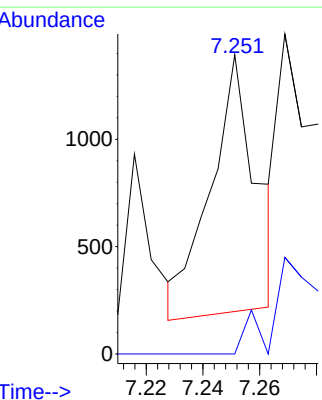
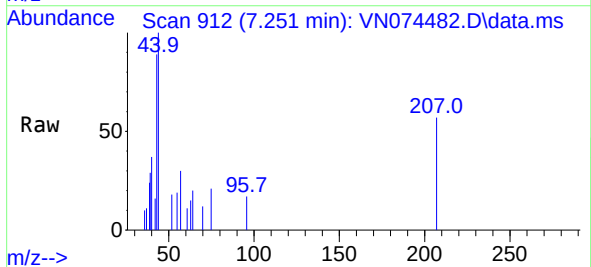
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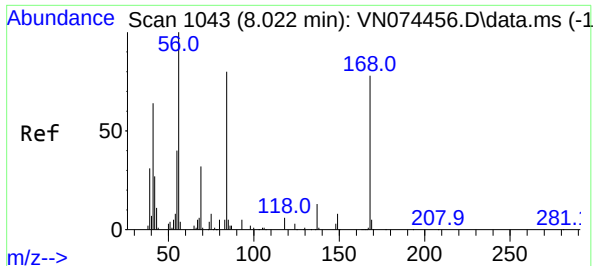
Tgt Ion: 96 Resp: 599
Ion Ratio Lower Upper
96 100
61 46.6 105.8 158.8#
98 25.0 50.3 75.5#



#25
2-Butanone
Concen: 0.202 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.006 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN074482.D

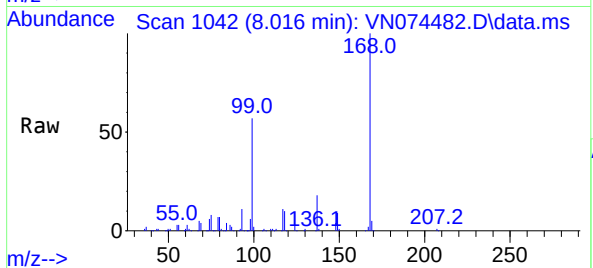
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Instrument :

MSVOA_N

ClientSampleId :

S1-AQ_DM-IDW-20220902



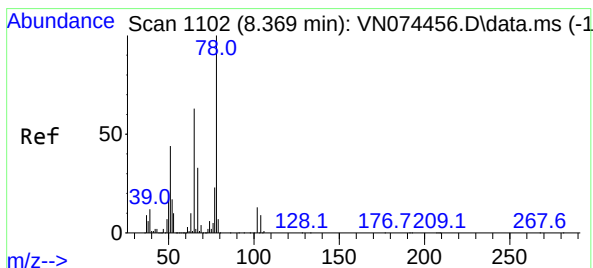
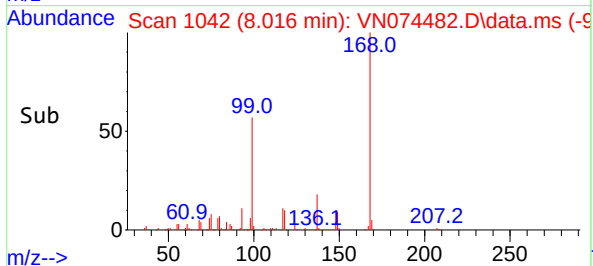
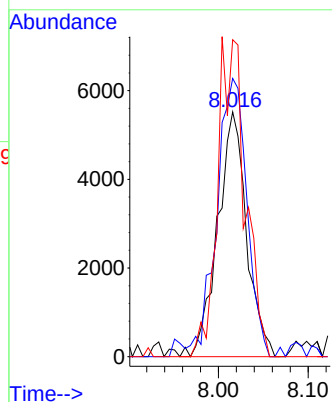
Tgt Ion: 56 Resp: 12332

Ion Ratio Lower Upper

56 100

69 109.8 27.8 41.8#

84 129.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 44.731 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074482.D

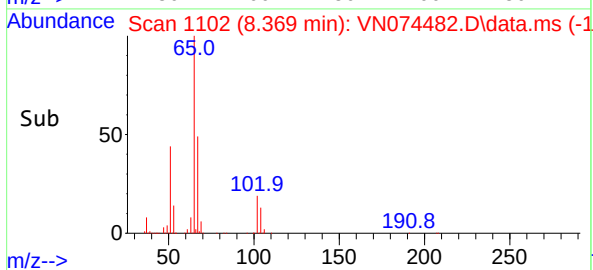
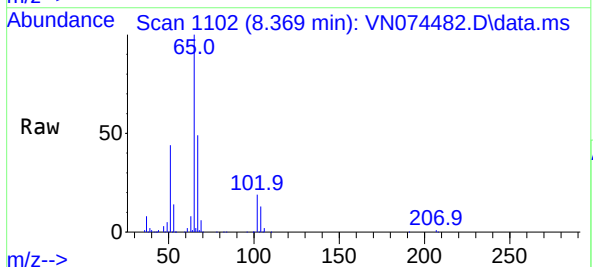
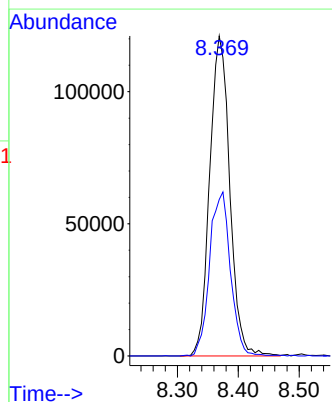
Acq: 16 Sep 2022 00:27

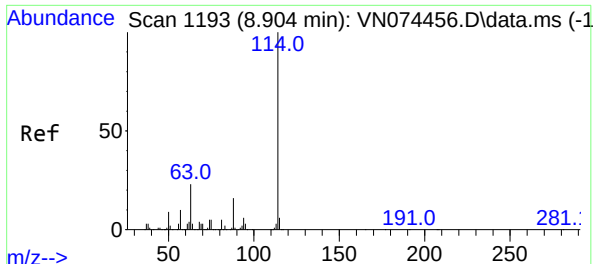
Tgt Ion: 65 Resp: 277047

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8

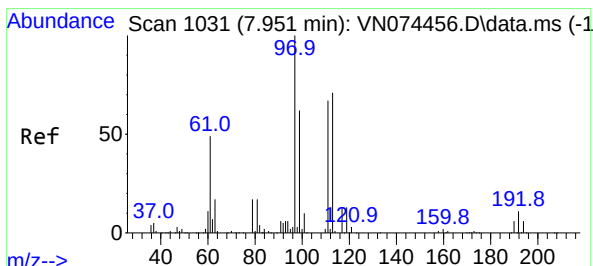
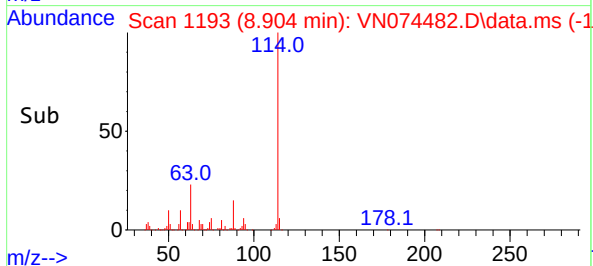
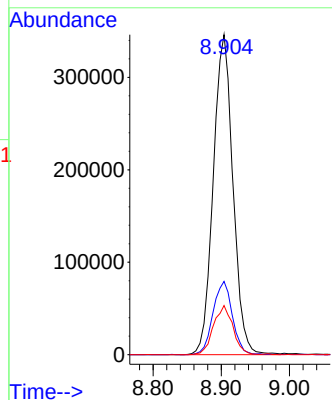
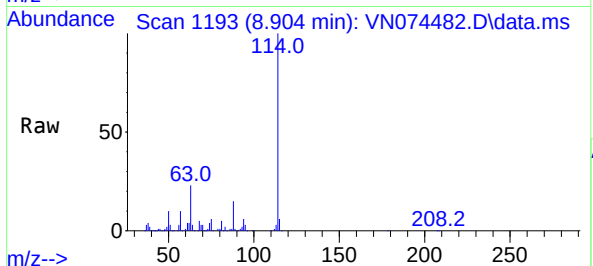




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

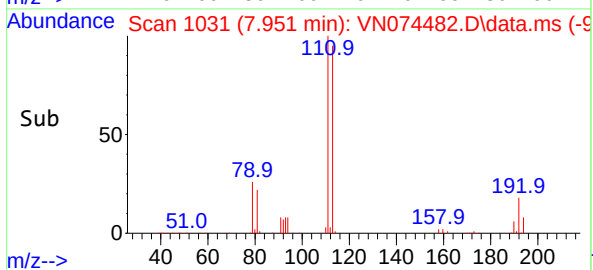
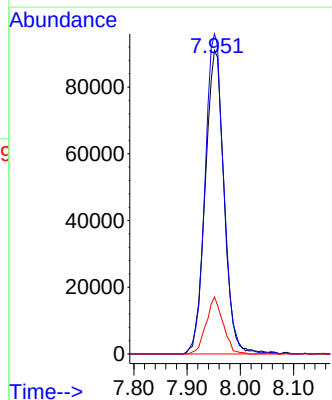
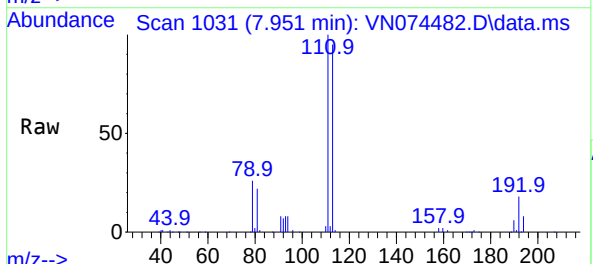
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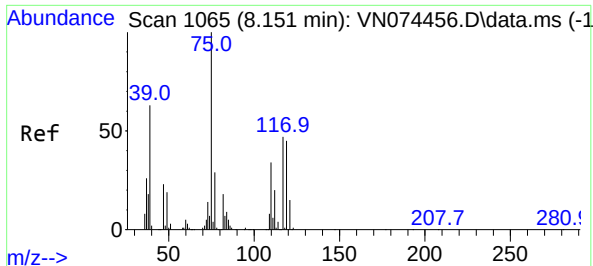
Tgt Ion:	114	Resp:	696279
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	40.0
88	15.4	0.0	32.6



#35
Dibromofluoromethane
Concen: 48.316 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion:	113	Resp:	223476
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.0
192	16.9	17.0	25.6#

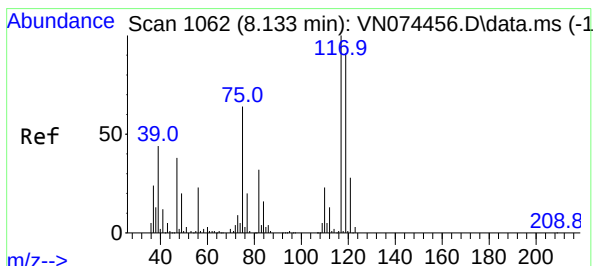
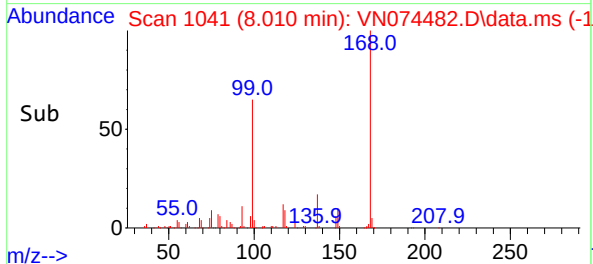
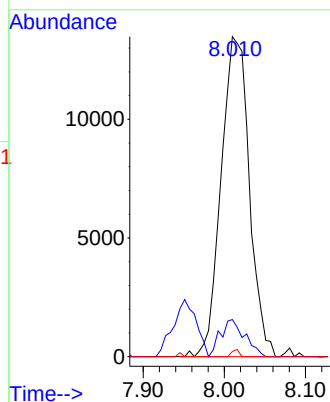
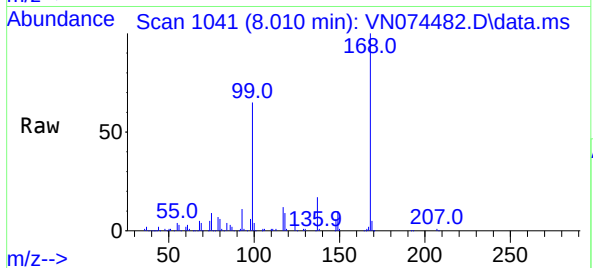




#36
1,1-Dichloropropene
Concen: 3.977 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

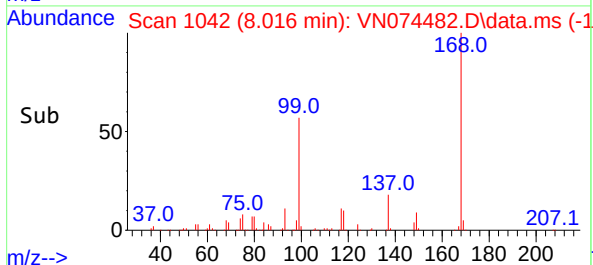
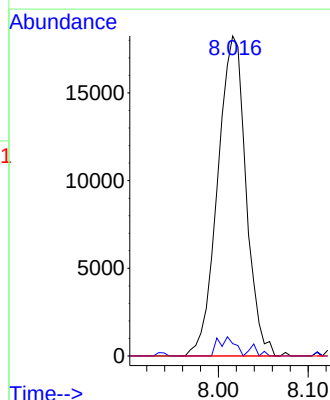
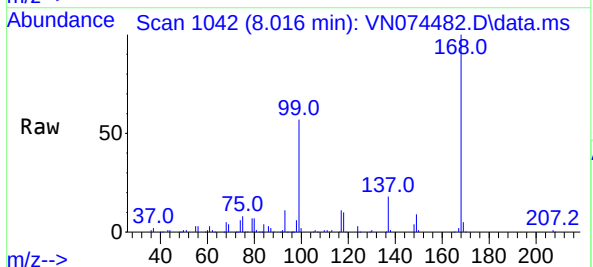
Instrument : MSVOA_N
ClientSampleId : S1-AQ_DM-IDW-20220902

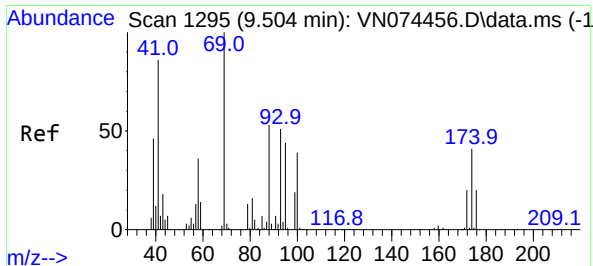
Tgt Ion: 75 Resp: 32558
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.6 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 117 Resp: 39949
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#

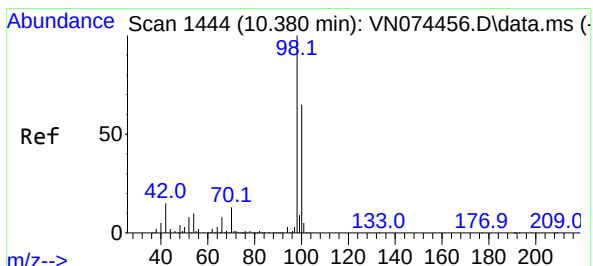
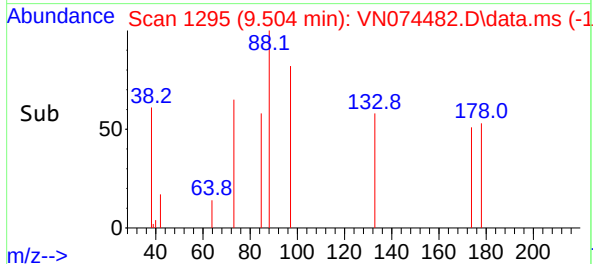
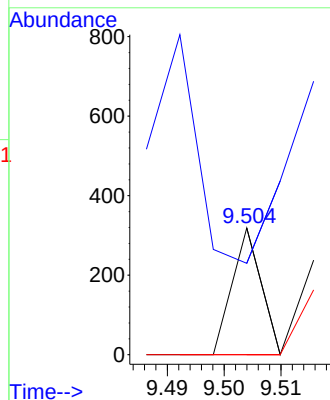
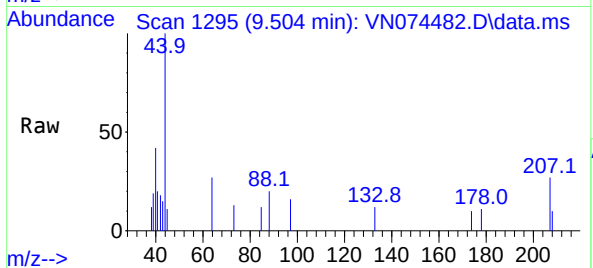




#49
1,4-Dioxane
Concen: 0.669 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

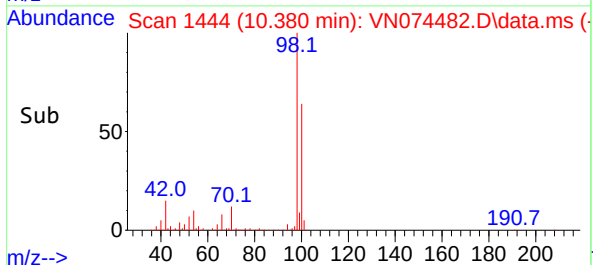
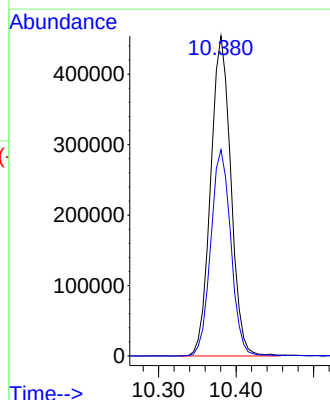
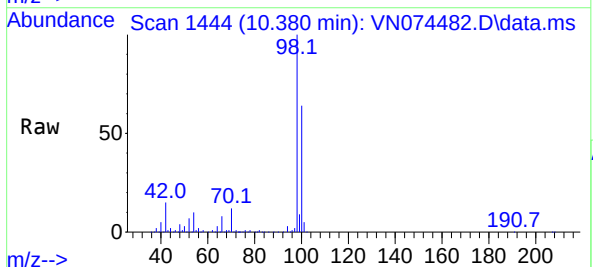
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

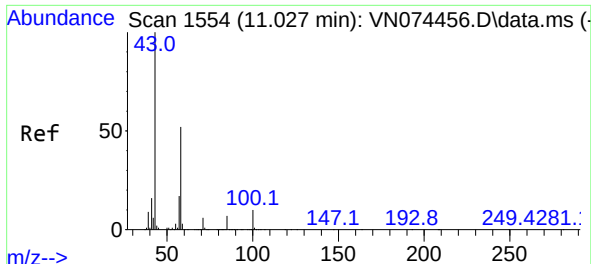
Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 505.3 20.2 30.4#
58 51.3 54.2 81.4#



#50
Toluene-d8
Concen: 45.970 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 98 Resp: 822300
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8

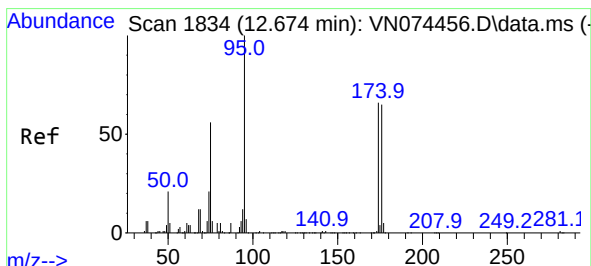
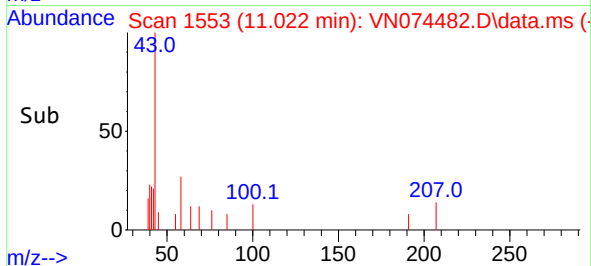
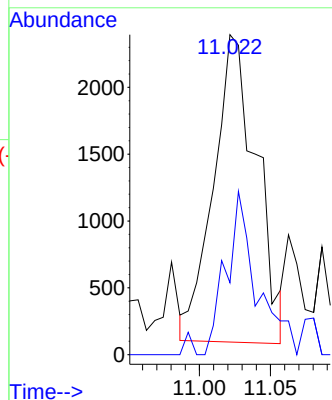
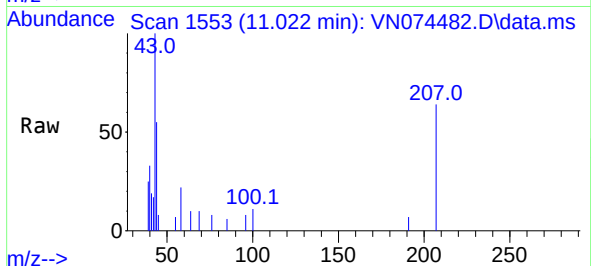




#59
2-Hexanone
Concen: 0.488 ug/l
RT: 11.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

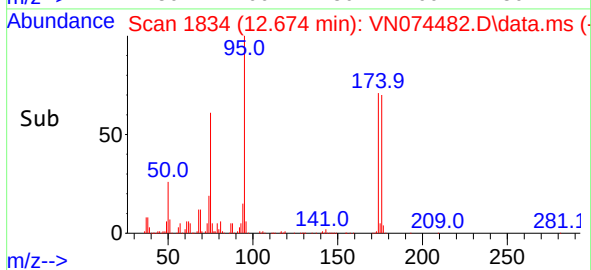
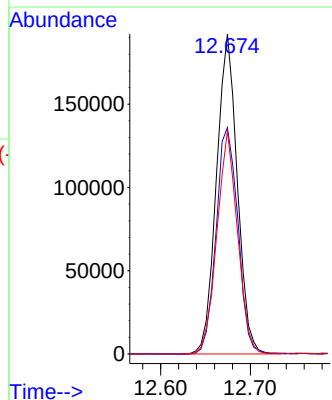
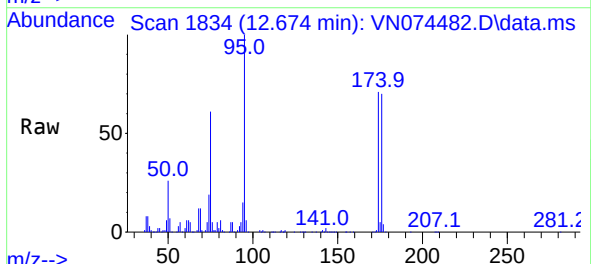
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

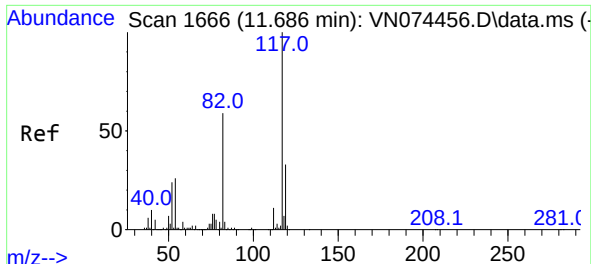
Tgt Ion: 43 Resp: 4817
Ion Ratio Lower Upper
43 100
58 38.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 50.526 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 95 Resp: 309543
Ion Ratio Lower Upper
95 100
174 74.0 0.0 167.6
176 69.1 0.0 163.4

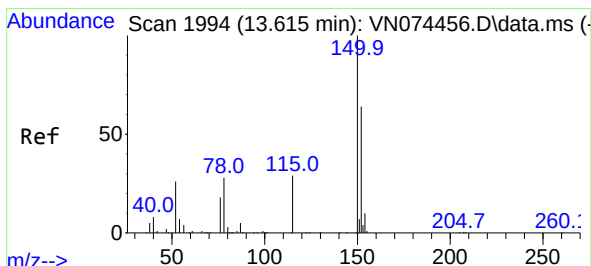
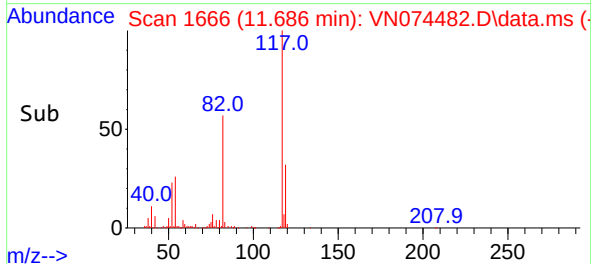
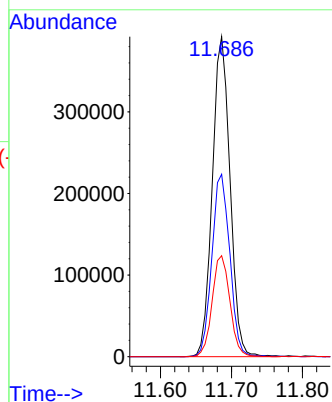
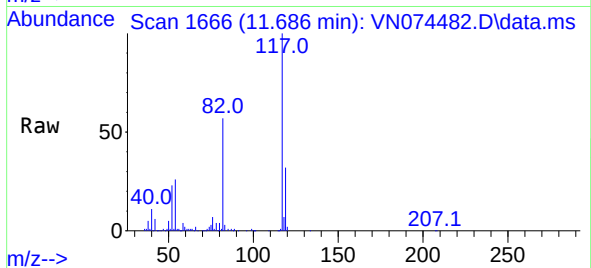




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

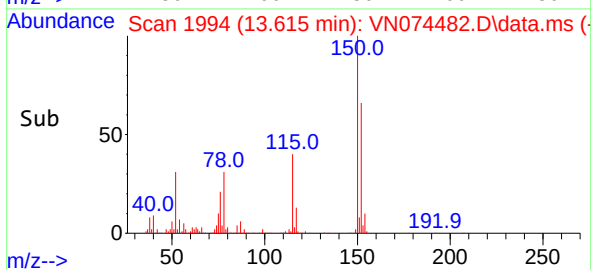
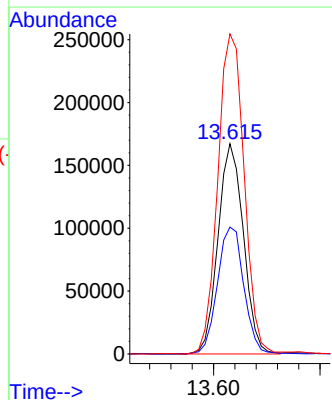
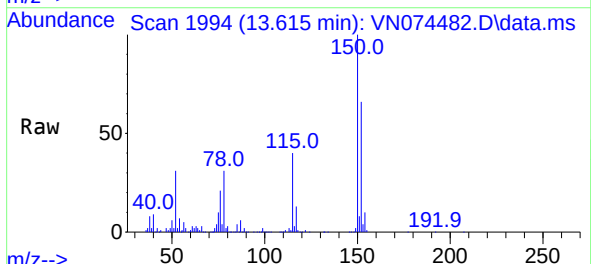
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

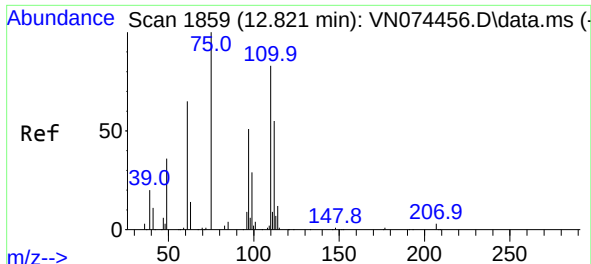
Tgt Ion:	117	Resp:	678674
Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.2	66.2
119	31.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion:	152	Resp:	276601
Ion	Ratio	Lower	Upper
152	100		
115	62.7	28.9	86.7
150	157.9	0.0	356.2

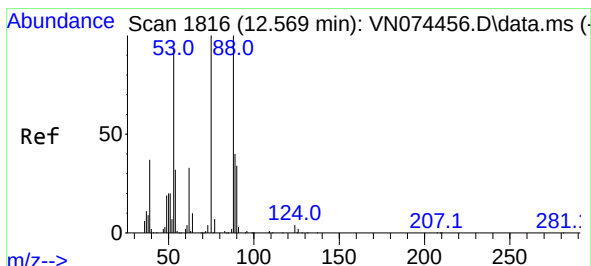
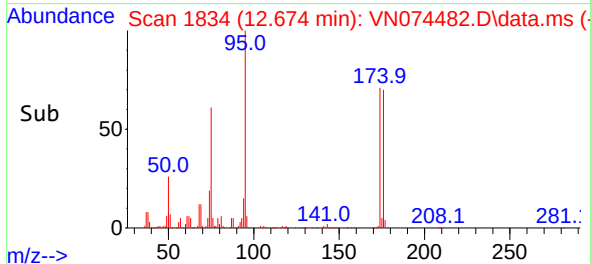
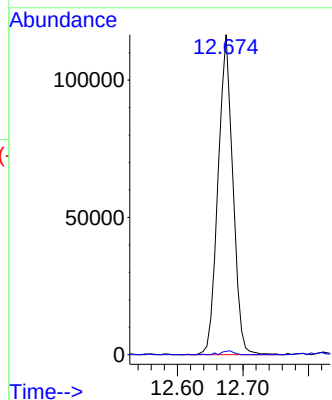
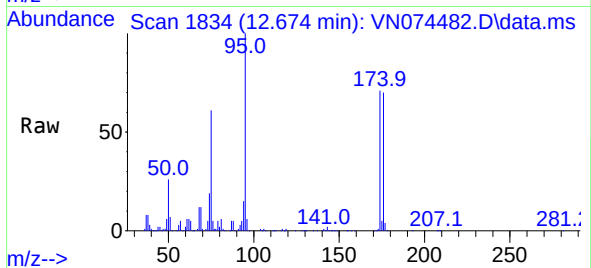




#76
1,2,3-Trichloropropane
Concen: 21.417 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

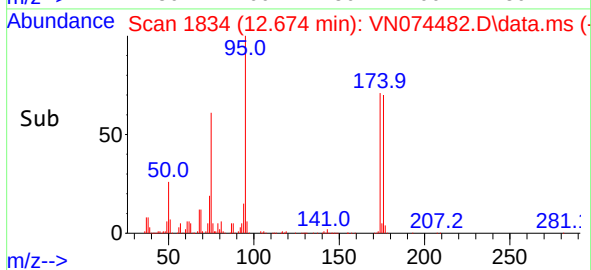
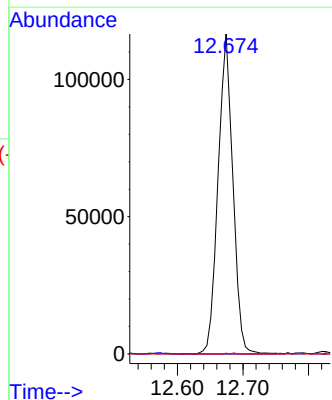
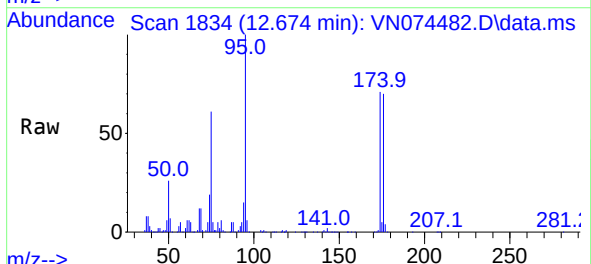
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

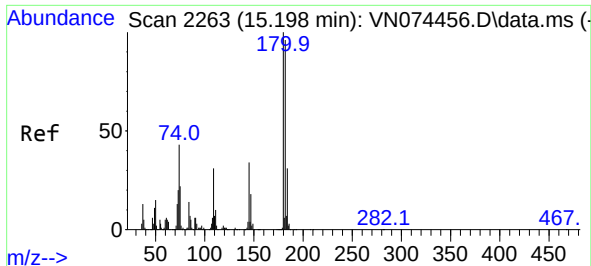
Tgt Ion: 75 Resp: 182347
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.225 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion: 75 Resp: 182347
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

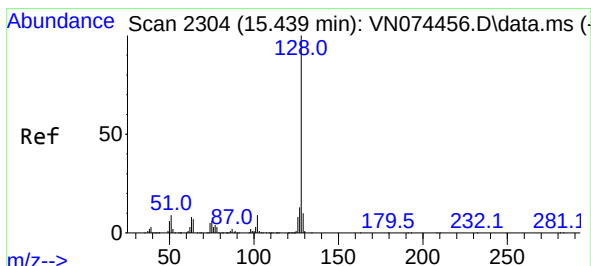
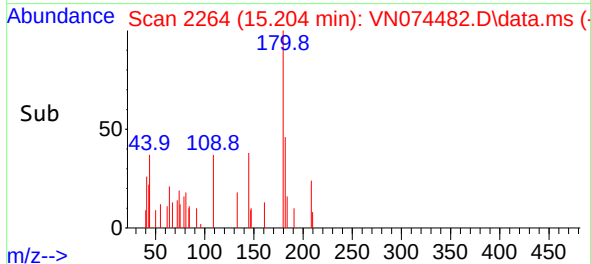
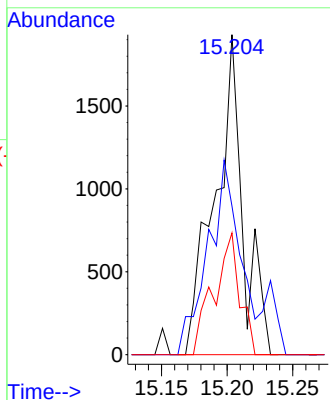
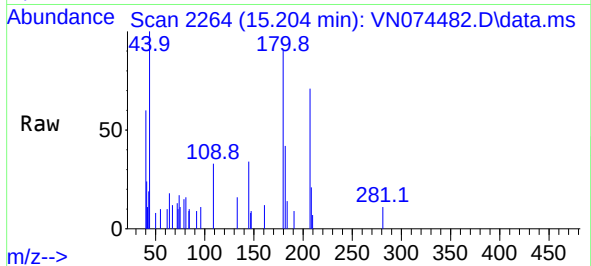




#93
1,2,4-Trichlorobenzene
Concen: 0.524 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

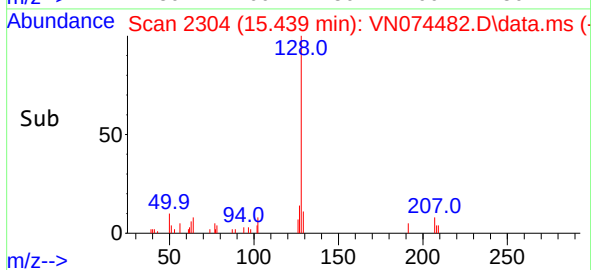
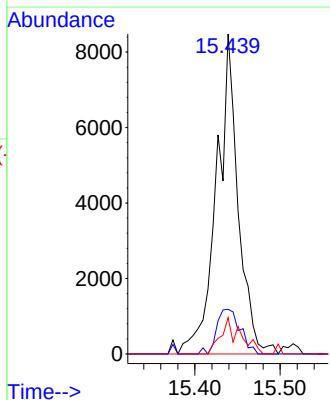
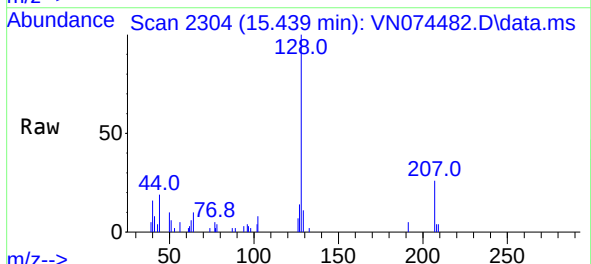
Instrument :
MSVOA_N
ClientSampleId :
S1-AQ_DM-IDW-20220902

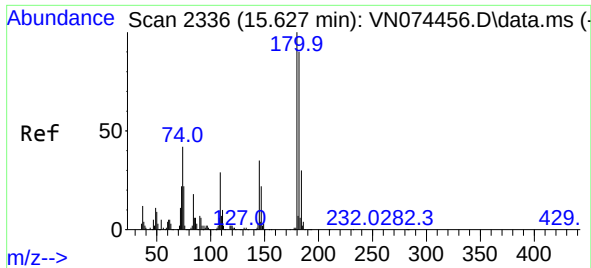
Tgt Ion:	180	Resp:	2882
Ion	Ratio	Lower	Upper
180	100		
182	68.7	47.5	142.5
145	35.0	14.5	43.5



#95
Naphthalene
Concen: 2.203 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074482.D
Acq: 16 Sep 2022 00:27

Tgt Ion:	128	Resp:	15013
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.3	15.5
129	10.2	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.787 ug/l

RT: 15.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074482.D

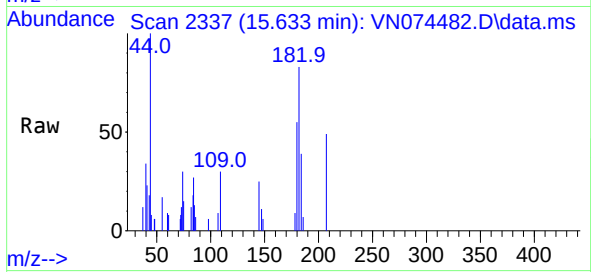
Acq: 16 Sep 2022 00:27

Instrument :

MSVOA_N

ClientSampleId :

S1-AQ_DM-IDW-20220902



Tgt Ion:180 Resp: 2636

Ion	Ratio	Lower	Upper
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180	100		
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182	124.6	47.8	143.3
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145	34.5	15.5	46.5
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