

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072774.D
 Acq On : 03 May 2022 18:14
 Operator : VA/SY
 Sample : N2659-03
 Misc : 4.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-C

Quant Time: May 04 01:27:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

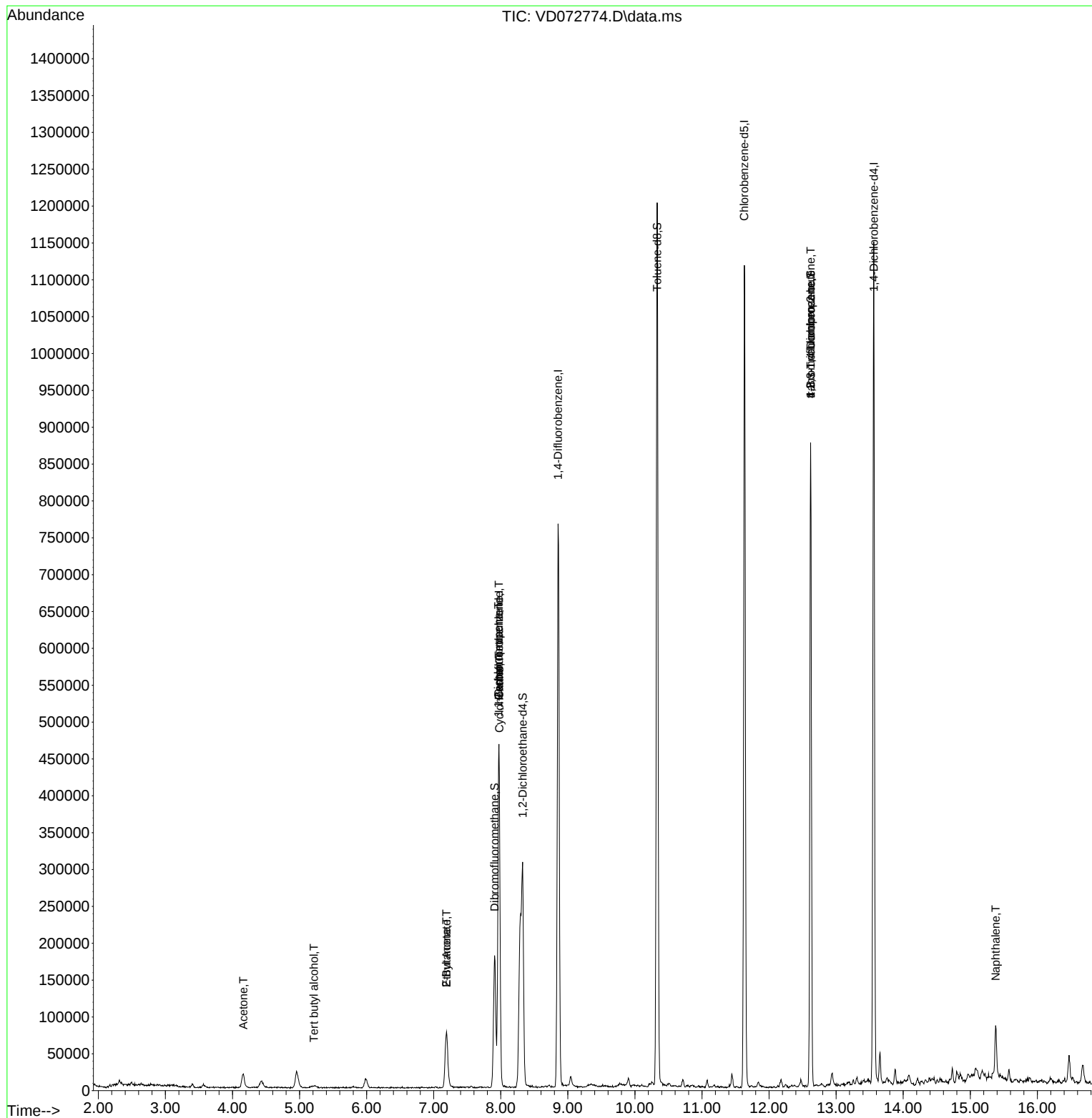
Internal Standards						
1) Pentafluorobenzene	7.973	168	324690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	654291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	632599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	289192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	219116	51.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.980%			
35) Dibromofluoromethane	7.908	113	130502	28.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 56.800%			
50) Toluene-d8	10.332	98	789199	47.879	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.620	95	285155	46.396	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.800%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	825	Below Cal		80
11) Tert butyl alcohol	5.214	59	3991	10.944 ug/l #		81
13) Acrolein	3.997	56	92	Below Cal #		14
16) Acetone	4.162	43	34183	31.125 ug/l #		89
18) Methyl Acetate	4.785	43	123	Below Cal #		55
20) Methylene Chloride	4.950	84	16002	Below Cal #		80
25) 2-Butanone	7.191	43	8986	7.317 ug/l #		80
31) Cyclohexane	7.979	56	8072	1.096 ug/l #		14
36) 1,1-Dichloropropene	7.967	75	28759	3.849 ug/l #		51
37) Ethyl Acetate	7.191	43	8986	2.616 ug/l #		41
38) Carbon Tetrachloride	7.973	117	36249	4.674 ug/l #		17
76) 1,2,3-Trichloropropane	12.620	75	146937	45.566 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	146937	104.784 ug/l #		7
95) Naphthalene	15.379	128	62543	6.123 ug/l		98

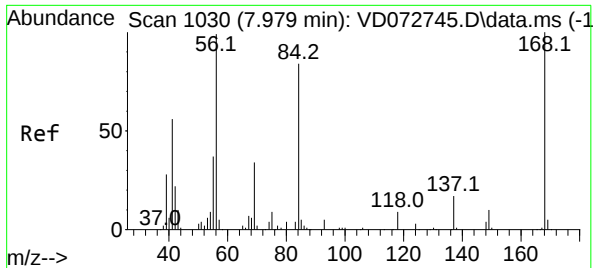
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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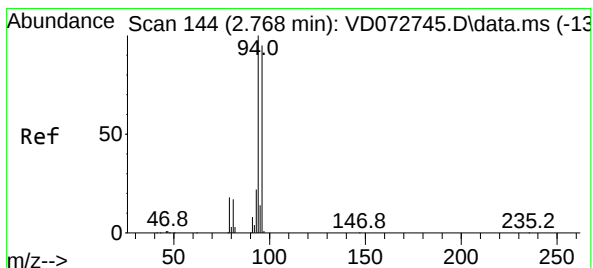
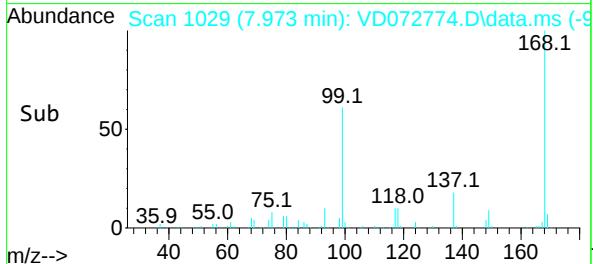
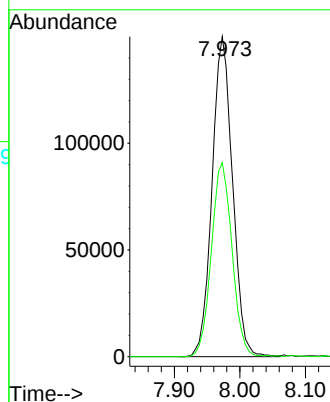
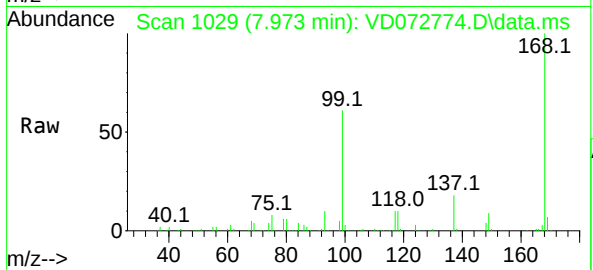




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

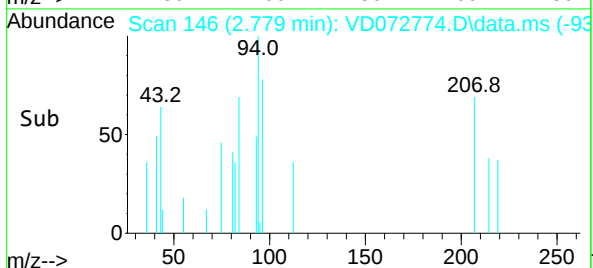
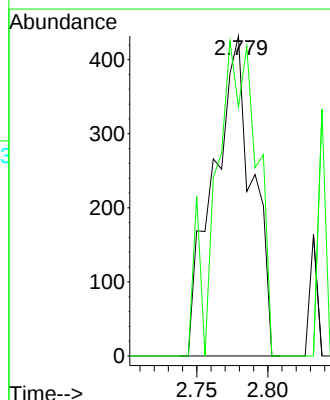
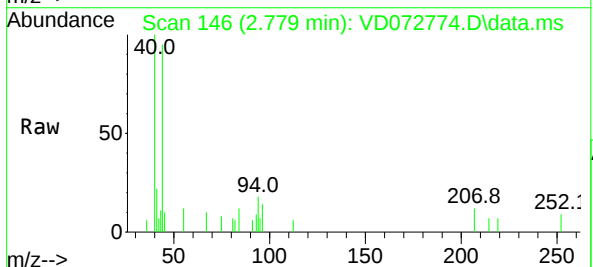
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

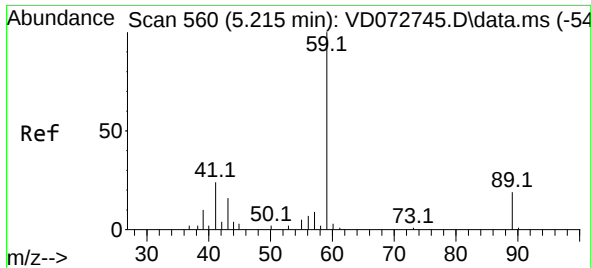
Tgt Ion:168 Resp: 324690
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Tgt Ion: 94 Resp: 825
Ion Ratio Lower Upper
94 100
96 77.8 77.6 116.4

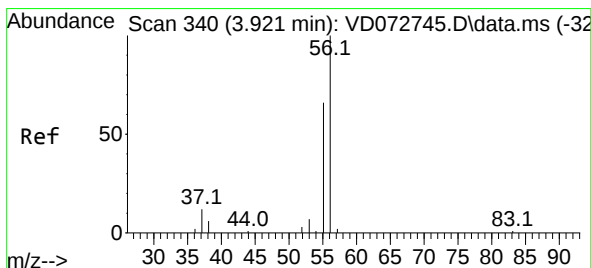
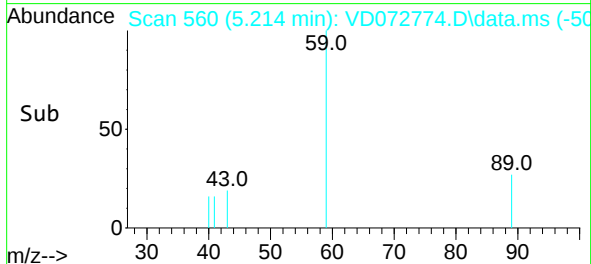
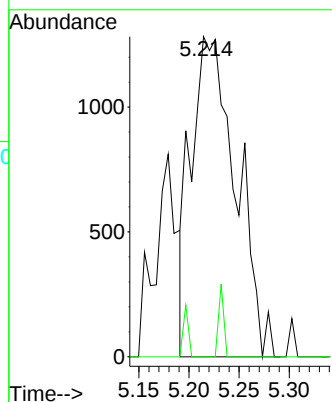
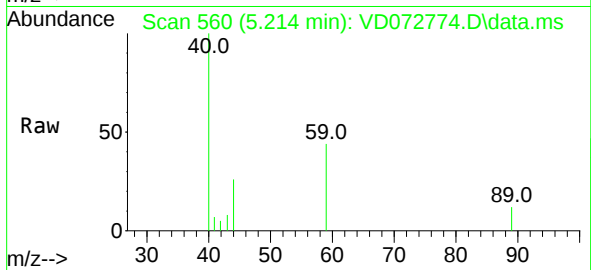




#11
Tert butyl alcohol
Concen: 10.944 ug/l
RT: 5.214 min Scan# 50
Delta R.T. -0.001 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

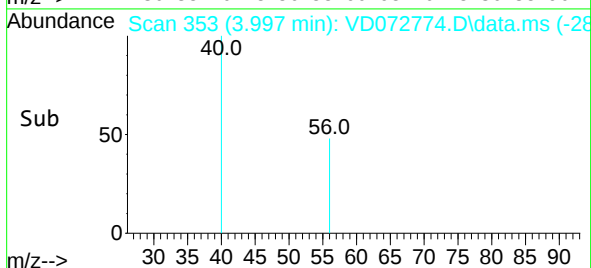
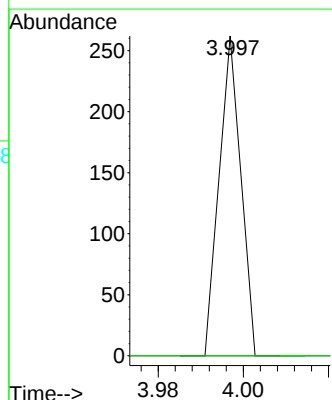
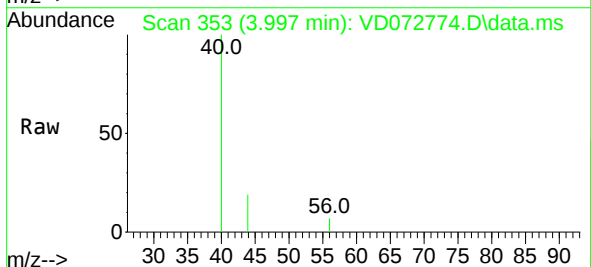
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

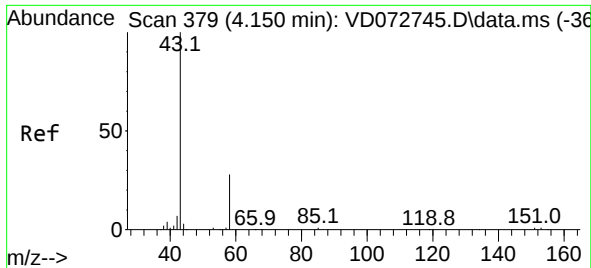
Tgt Ion: 59 Resp: 3991
Ion Ratio Lower Upper
59 100
57 2.6 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.997 min Scan# 353
Delta R.T. 0.076 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

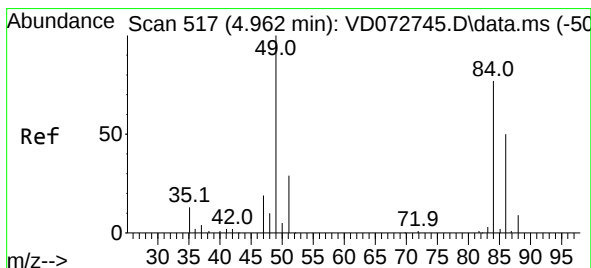
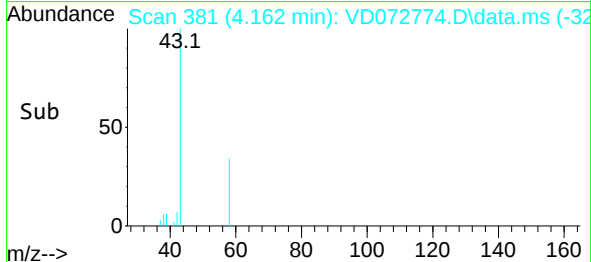
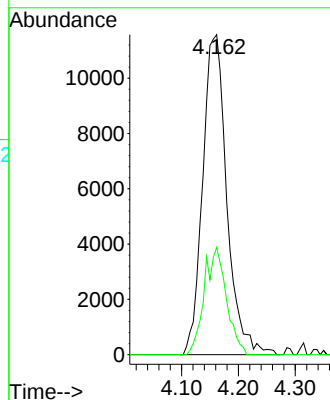
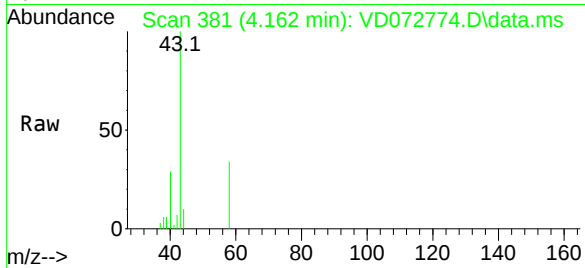




#16
Acetone
Concen: 31.125 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

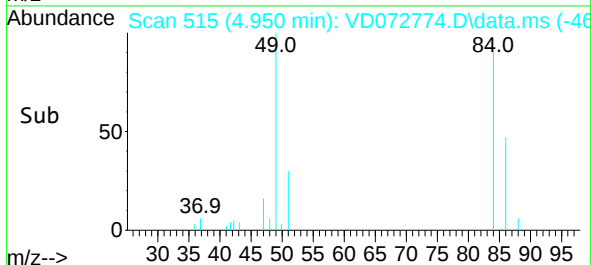
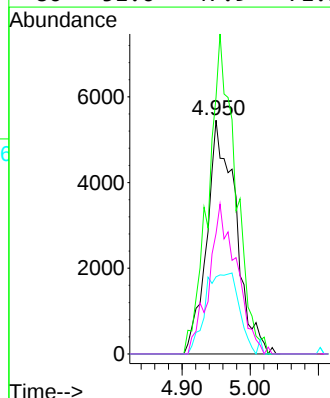
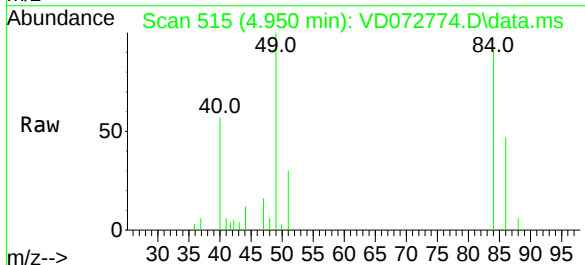
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

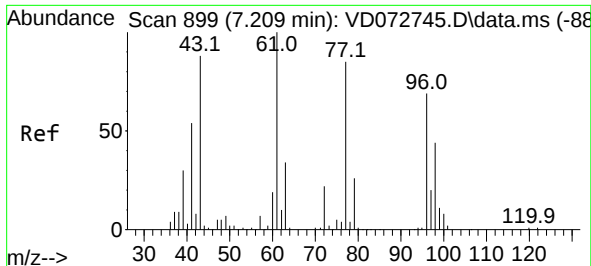
Tgt Ion: 43 Resp: 34183
Ion Ratio Lower Upper
43 100
58 33.5 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Tgt Ion: 84 Resp: 16002
Ion Ratio Lower Upper
84 100
49 109.9 112.8 169.2#
51 33.0 32.6 48.8
86 51.6 47.9 71.9





#25

2-Butanone

Concen: 7.317 ug/l

RT: 7.191 min Scan# 899

Delta R.T. -0.018 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

Instrument :

MSVOA_D

ClientSampleId :

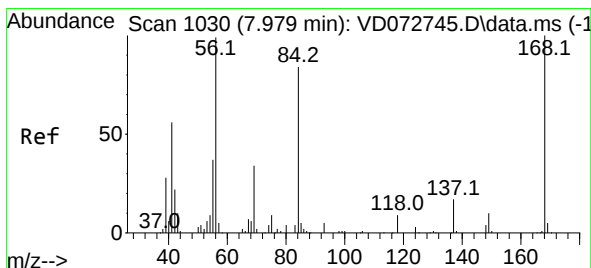
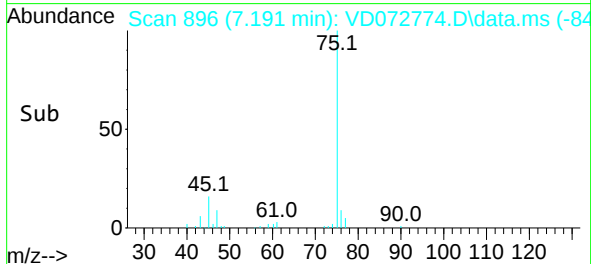
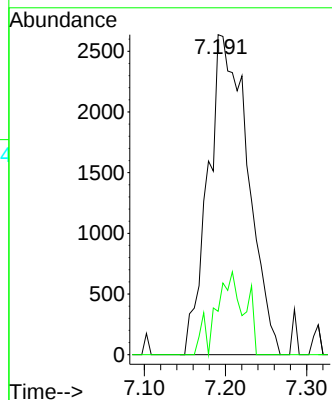
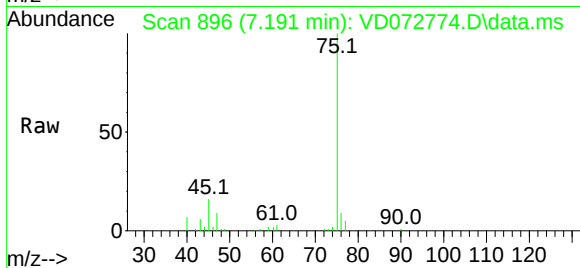
22L097-C

Tgt Ion: 43 Resp: 8986

Ion Ratio Lower Upper

43 100

72 13.6 18.6 27.8#



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

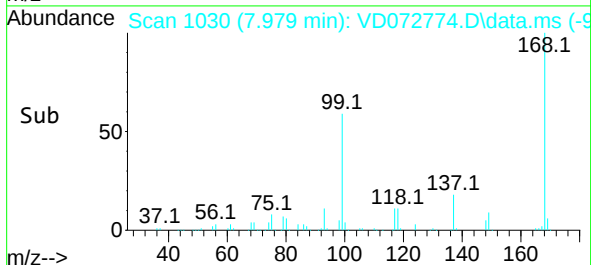
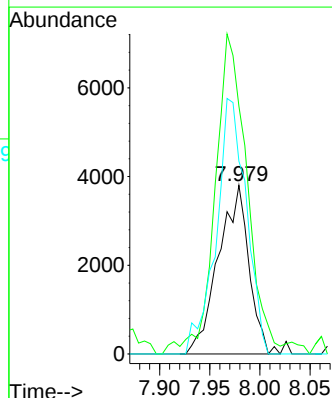
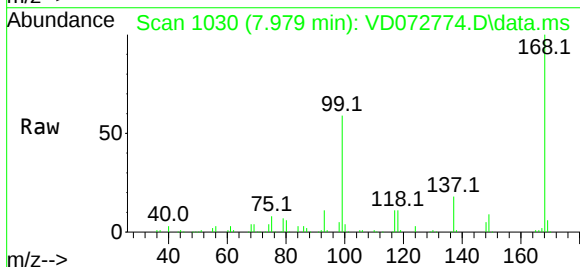
Tgt Ion: 56 Resp: 8072

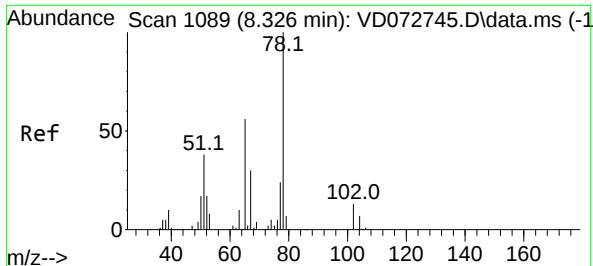
Ion Ratio Lower Upper

56 100

69 142.5 25.4 38.2#

84 114.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.988 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

Instrument :

MSVOA_D

ClientSampleId :

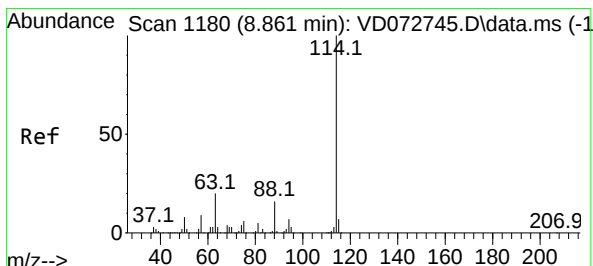
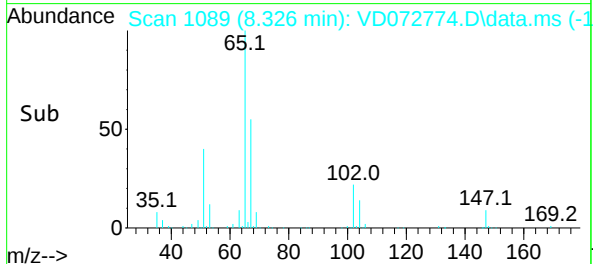
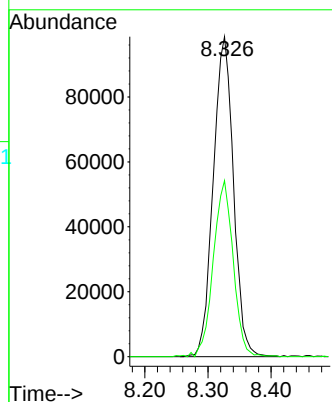
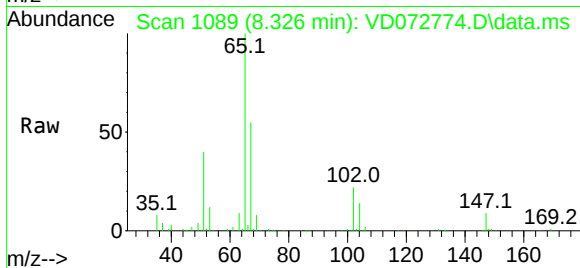
22L097-C

Tgt Ion: 65 Resp: 219116

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

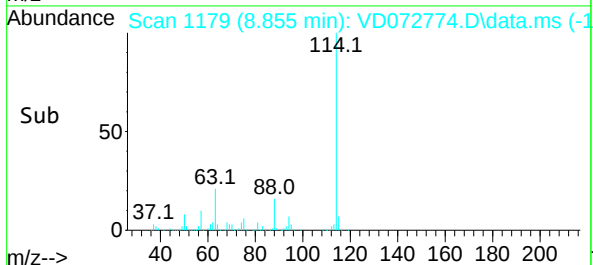
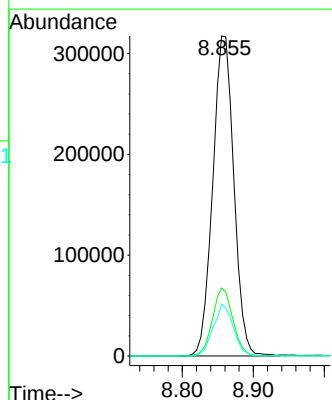
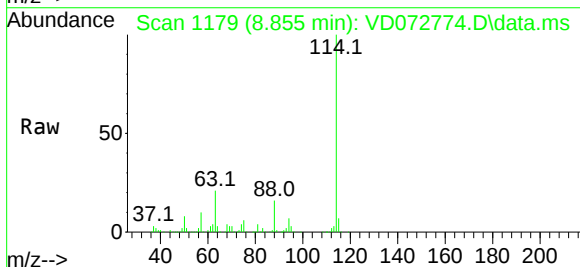
Tgt Ion: 114 Resp: 654291

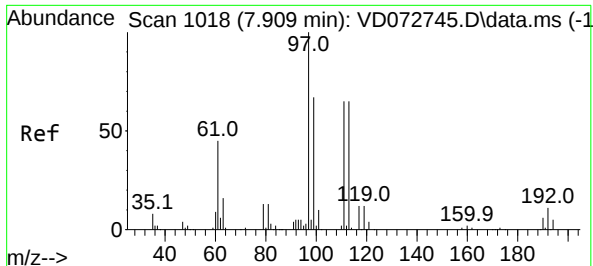
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 28.400 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

Instrument :

MSVOA_D

ClientSampleId :

22L097-C

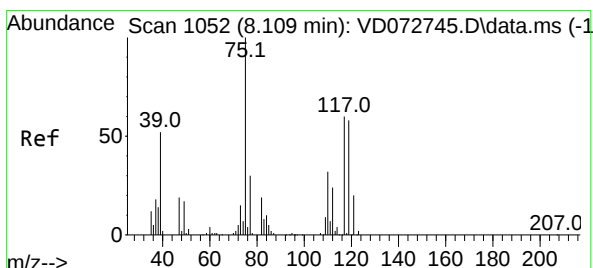
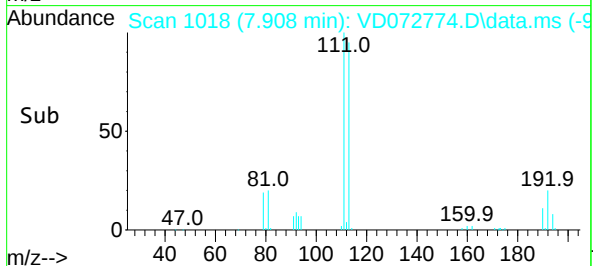
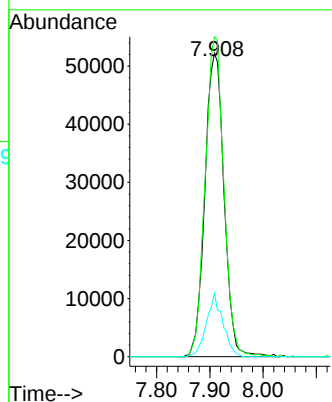
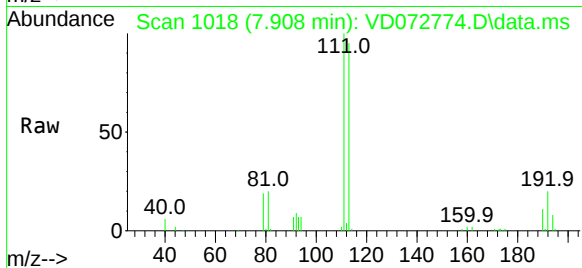
Tgt Ion:113 Resp: 130502

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.849 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

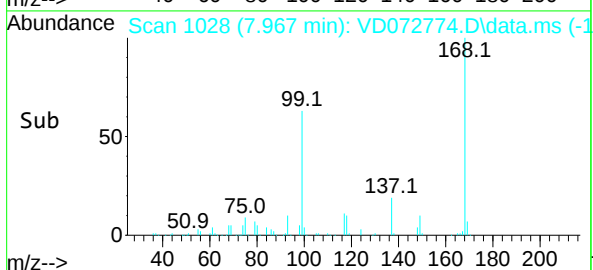
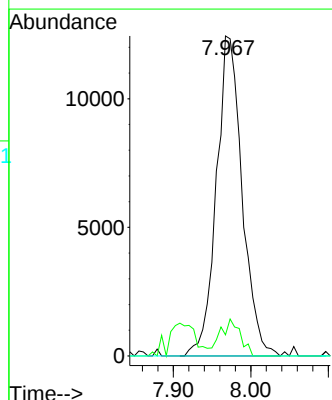
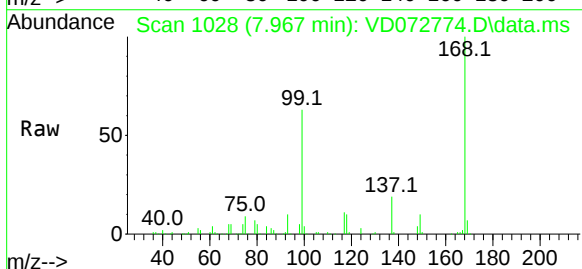
Tgt Ion: 75 Resp: 28759

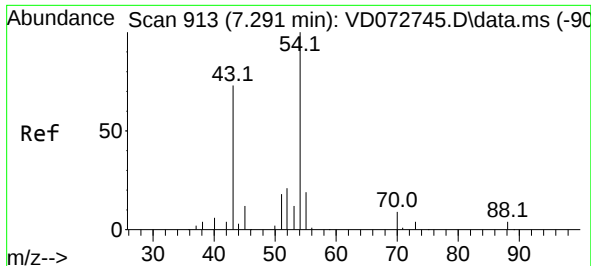
Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.616 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.100 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

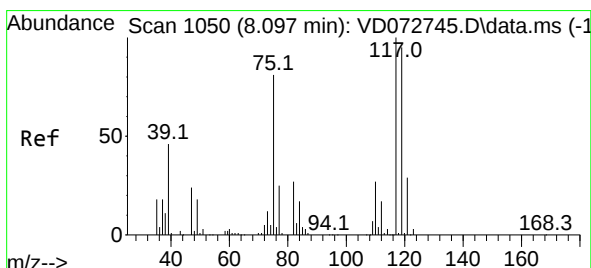
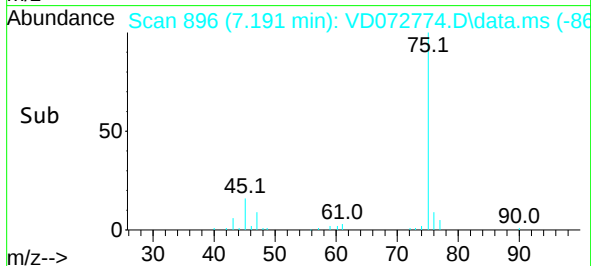
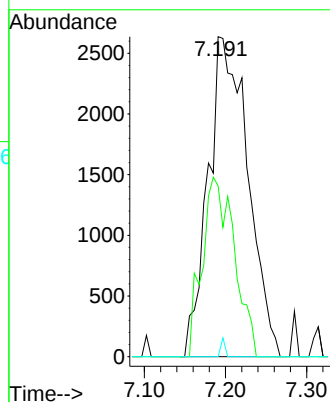
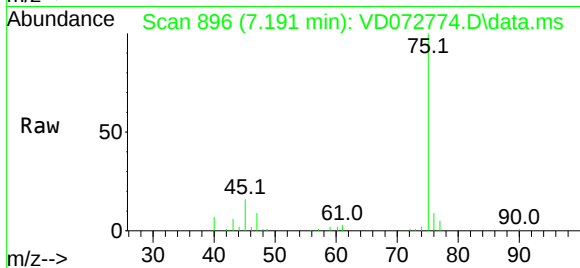
Instrument :

MSVOA_D

ClientSampleId :

22L097-C

Tgt Ion: 43	Resp: 8986
Ion Ratio	Lower Upper
43 100	
61 45.2	9.8 14.8#
70 0.6	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.674 ug/l

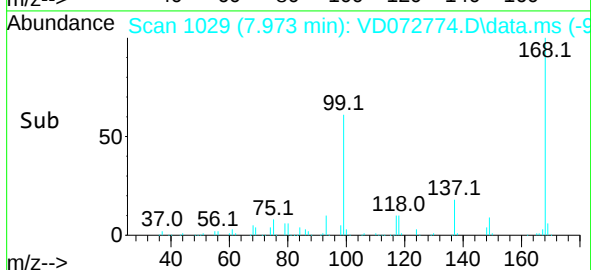
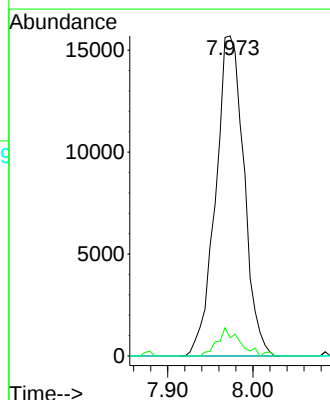
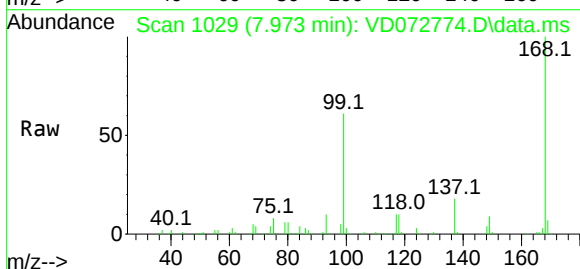
RT: 7.973 min Scan# 1029

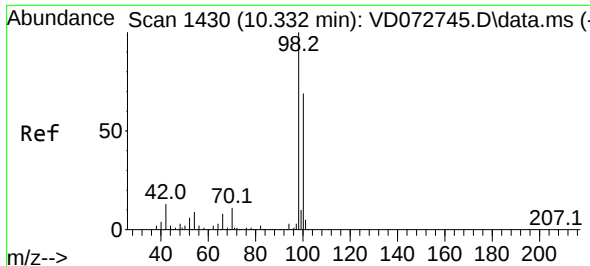
Delta R.T. -0.124 min

Lab File: VD072774.D

Acq: 03 May 2022 18:14

Tgt Ion: 117	Resp: 36249
Ion Ratio	Lower Upper
117 100	
119 5.7	75.8 113.6#
121 0.0	24.5 36.7#

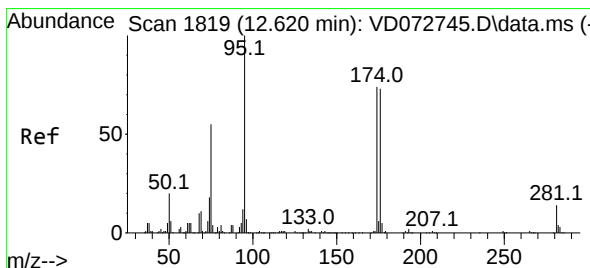
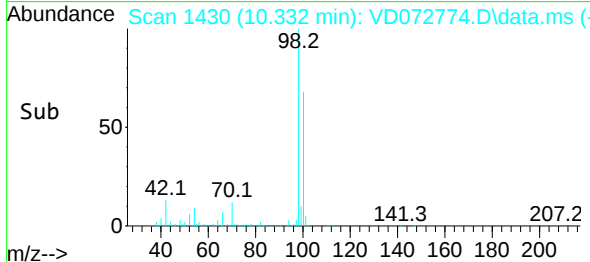
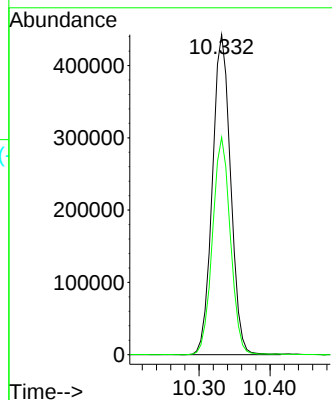
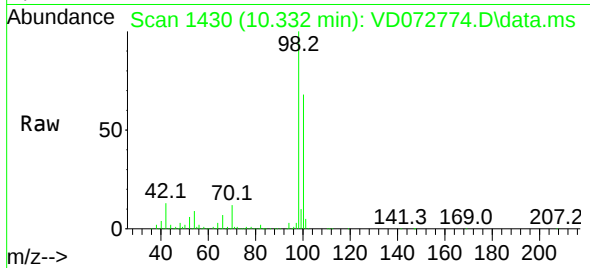




#50
Toluene-d8
Concen: 47.879 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

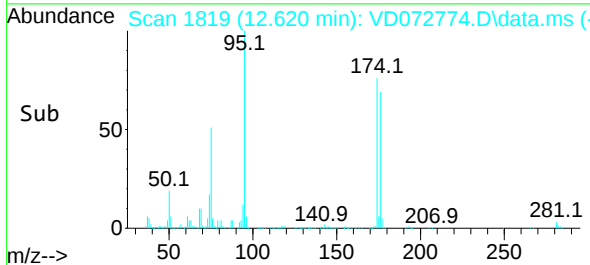
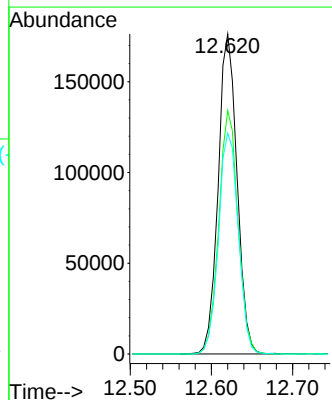
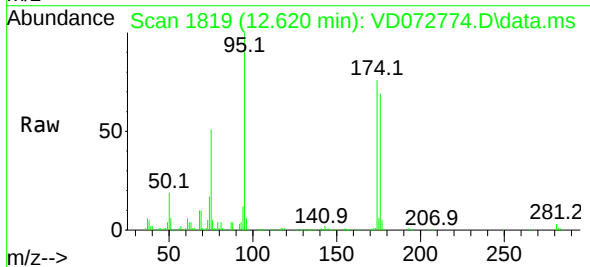
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

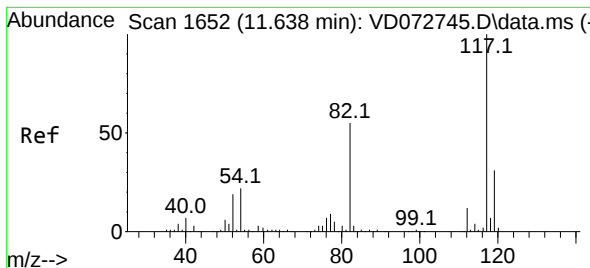
Tgt Ion: 98 Resp: 789199
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.396 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Tgt Ion: 95 Resp: 285155
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 72.1 0.0 145.4

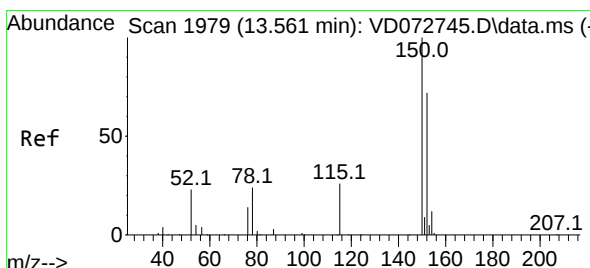
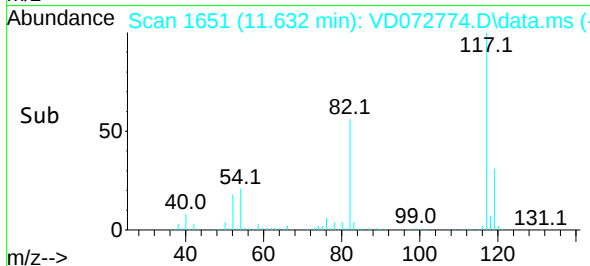
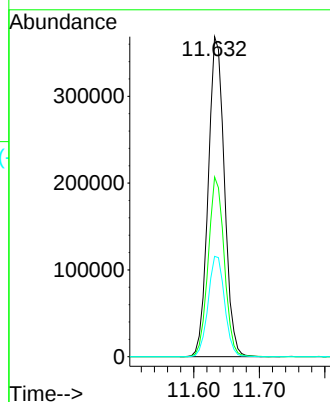
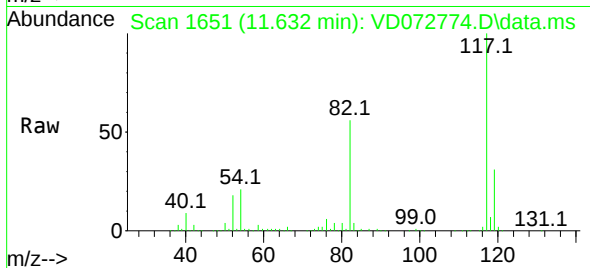




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

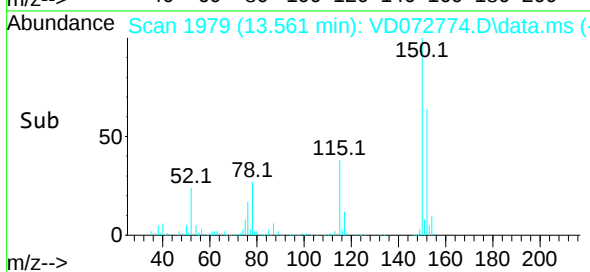
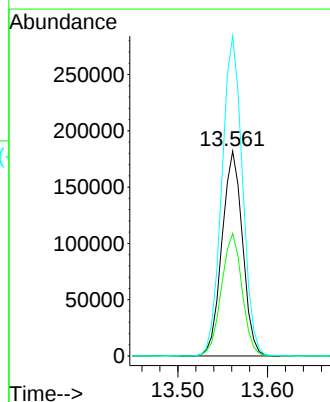
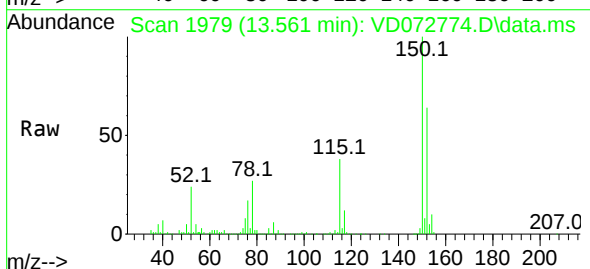
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

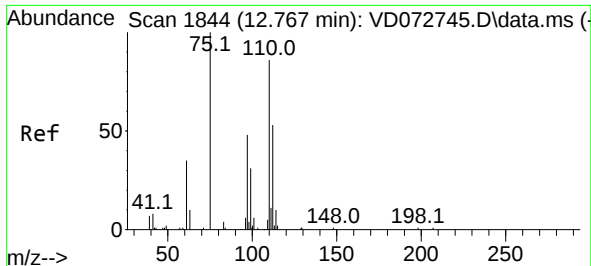
Tgt Ion:117 Resp: 632599
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Tgt Ion:152 Resp: 289192
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 156.8 0.0 348.6

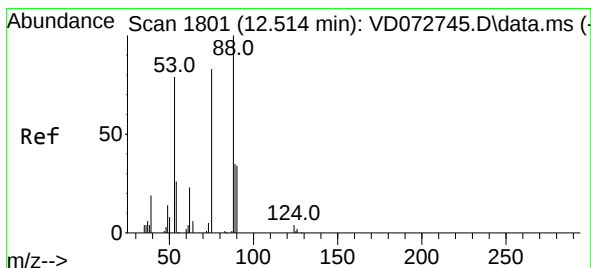
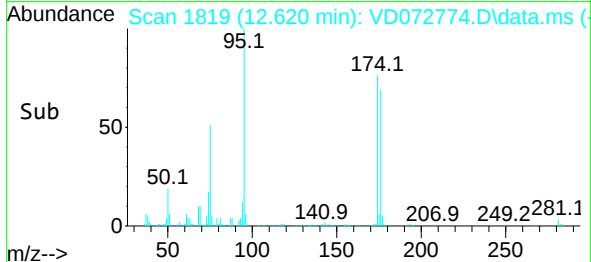
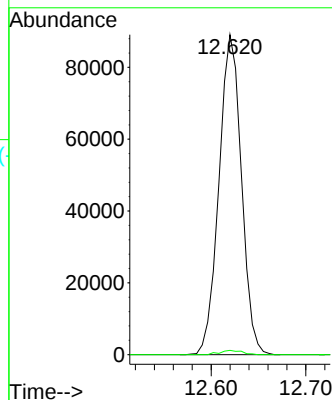
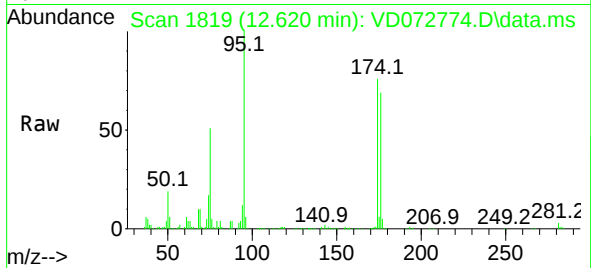




#76
1,2,3-Trichloropropane
Concen: 45.566 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

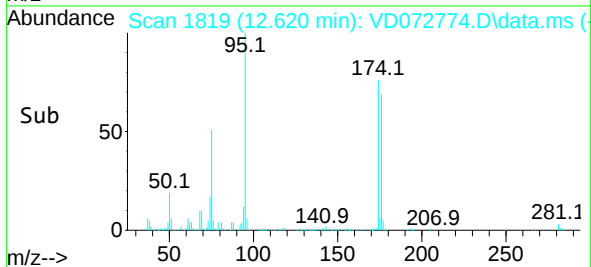
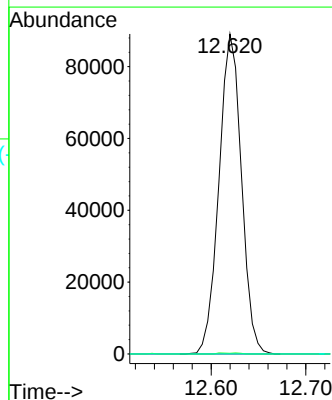
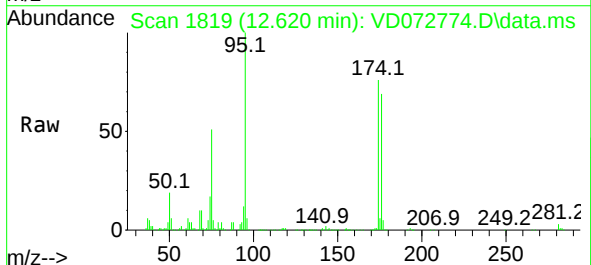
Instrument :
MSVOA_D
ClientSampleId :
22L097-C

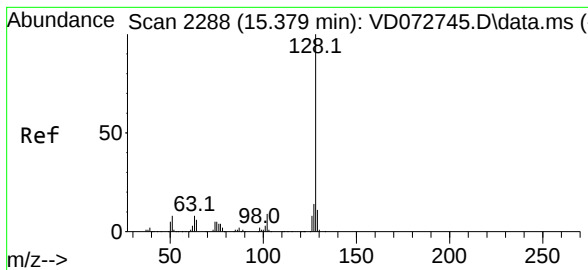
Tgt Ion: 75 Resp: 146937
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.784 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

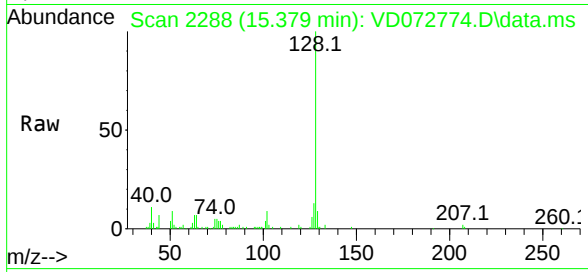
Tgt Ion: 75 Resp: 146937
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 6.123 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072774.D
Acq: 03 May 2022 18:14

Instrument :
MSVOA_D
ClientSampleId :
22L097-C



Tgt Ion:	128	Resp:	62543
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.6	8.4	12.6

