

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073549.D
 Acq On : 13 Jun 2022 16:41
 Operator : VA/SY
 Sample : N3299-06RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-18RE

Quant Time: Jun 14 01:28:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

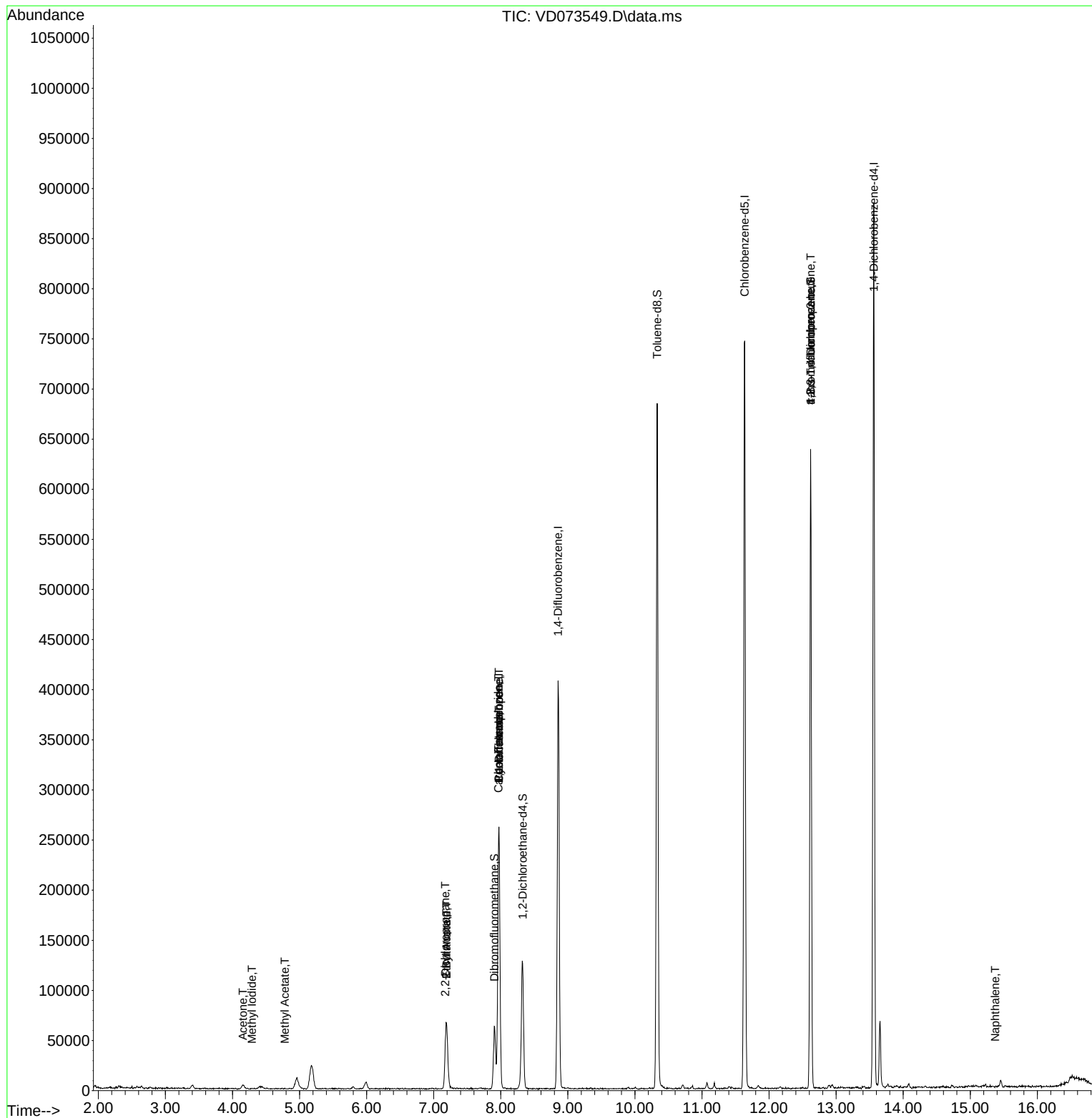
Internal Standards						
1) Pentafluorobenzene	7.973	168	193043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	350987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	440286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	103746	50.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.160%	
35) Dibromofluoromethane	7.903	113	44093	19.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 39.080%#	
50) Toluene-d8	10.332	98	459287	53.822	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.620	95	207344	66.932	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.860%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	149	4.230	ug/l #	77
11) Tert butyl alcohol	5.173	59	21303	Below Cal	#	74
16) Acetone	4.156	43	7331	20.098	ug/l #	83
18) Methyl Acetate	4.779	43	54	1.420	ug/l #	55
25) 2-Butanone	7.191	43	3338	6.219	ug/l #	76
26) 2,2-Dichloropropane	7.173	77	5000	1.438	ug/l #	54
31) Cyclohexane	7.973	56	4331	1.241	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	15525	4.580	ug/l #	51
37) Ethyl Acetate	7.191	43	3338	2.438	ug/l #	1
38) Carbon Tetrachloride	7.967	117	19497	5.498	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	104739	47.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	104739	112.556	ug/l #	7
95) Naphthalene	15.373	128	571	4.268	ug/l #	82

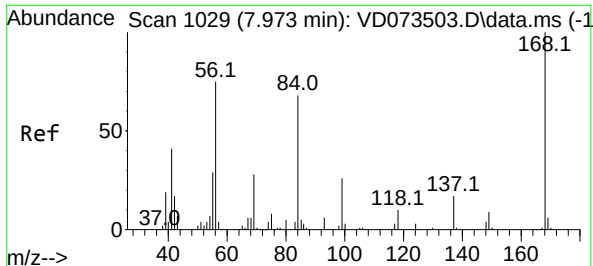
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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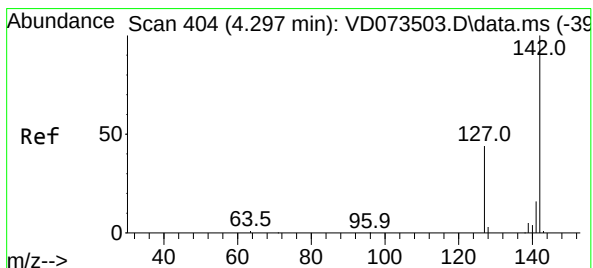
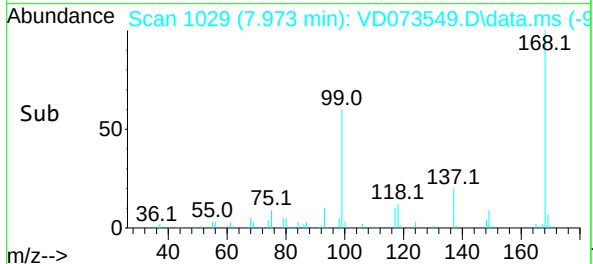
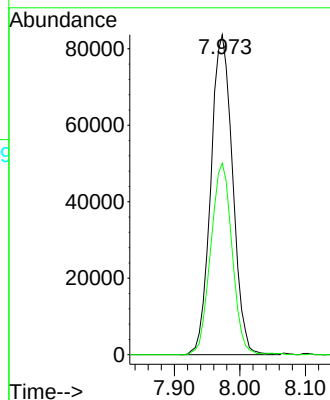
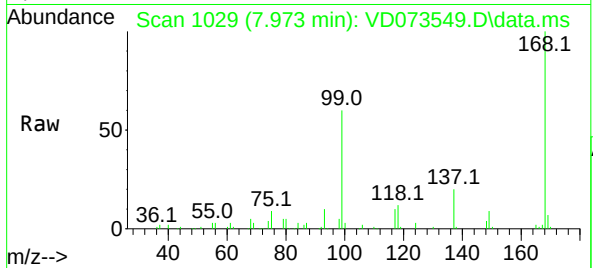




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

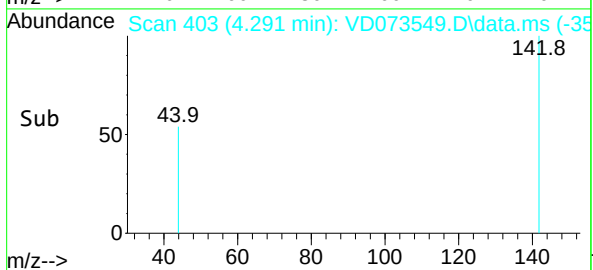
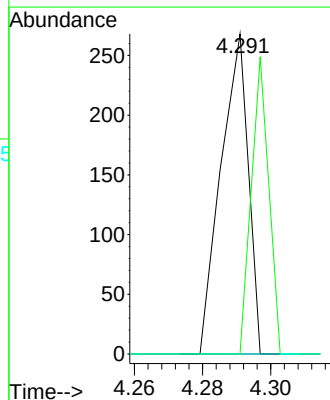
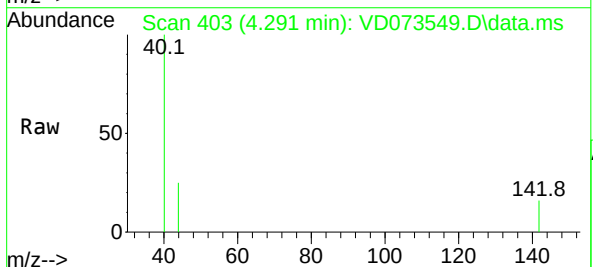
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

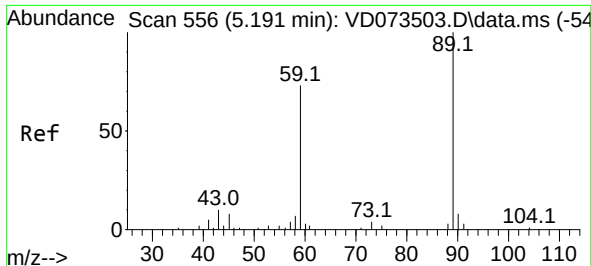
Tgt Ion:168 Resp: 193043
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 59.1 37.3 55.9#
141 0.0 11.7 17.5#

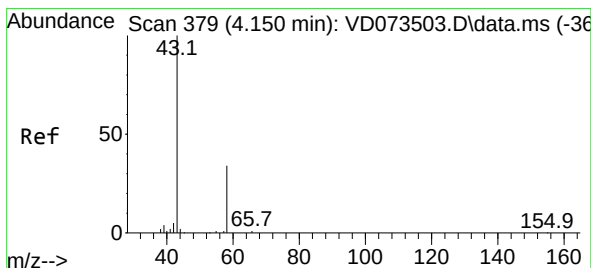
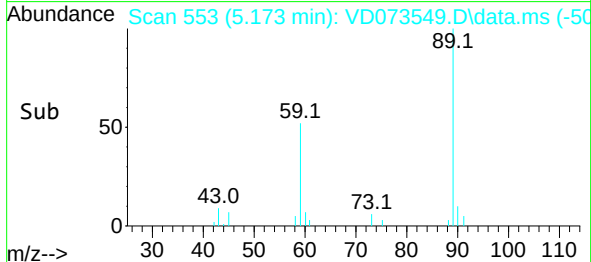
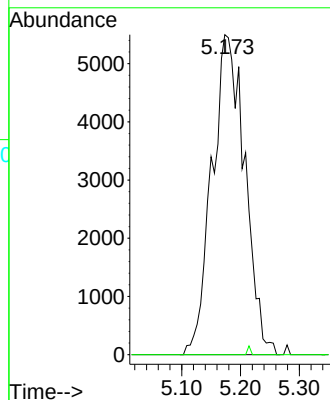
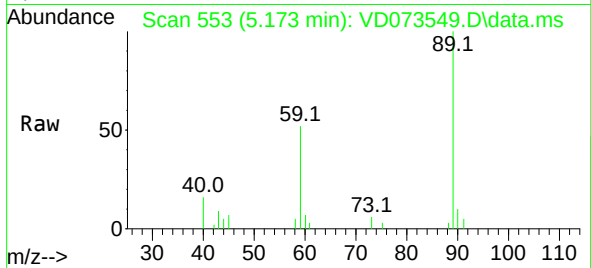




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

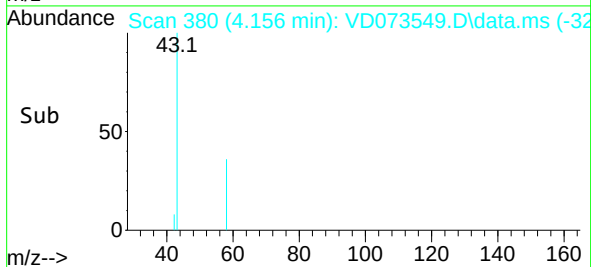
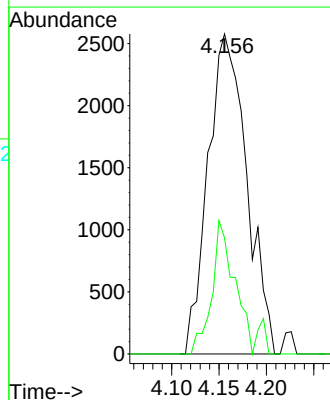
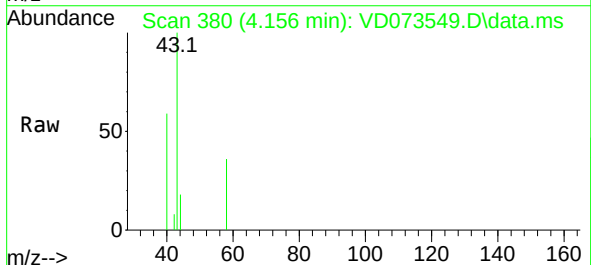
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

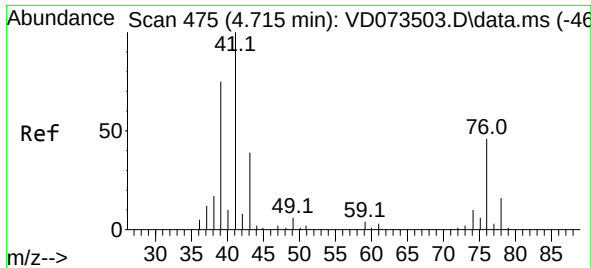
Tgt Ion: 59 Resp: 21303
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 20.098 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion: 43 Resp: 7331
Ion Ratio Lower Upper
43 100
58 36.3 22.1 33.1#

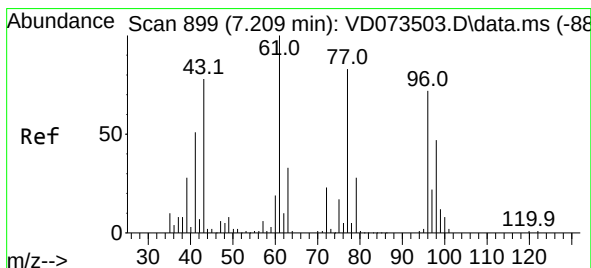
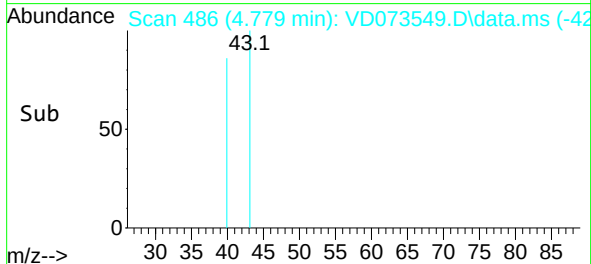
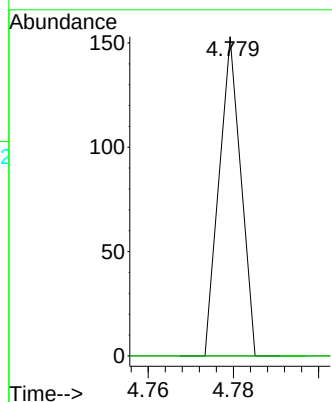
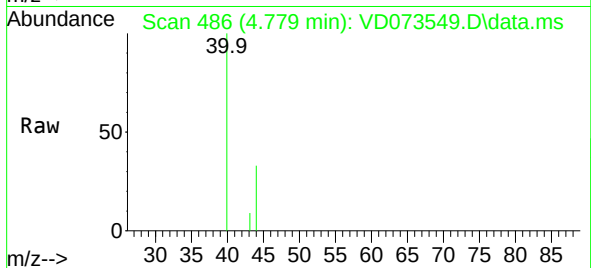




#18
Methyl Acetate
Concen: 1.420 ug/l
RT: 4.779 min Scan# 41
Delta R.T. 0.064 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

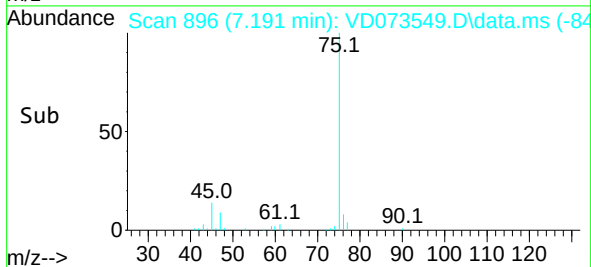
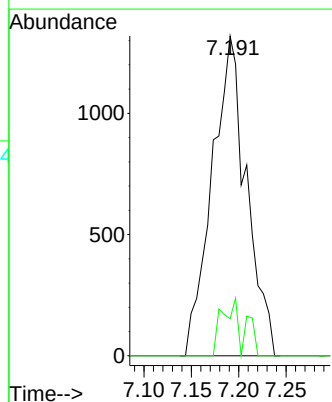
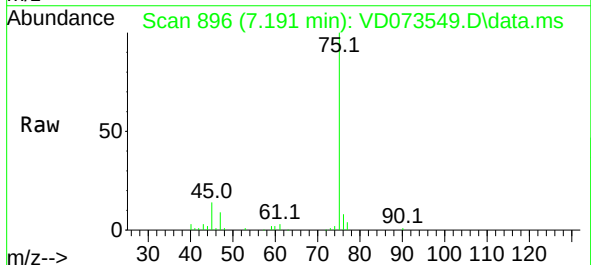
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

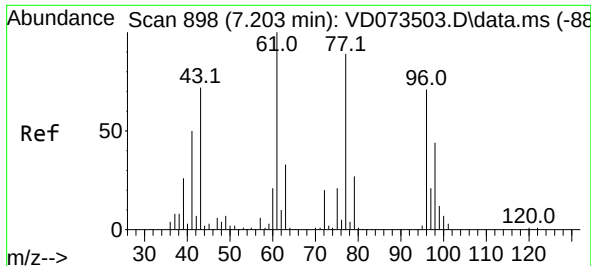
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 6.219 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
72 11.6 18.6 27.8#

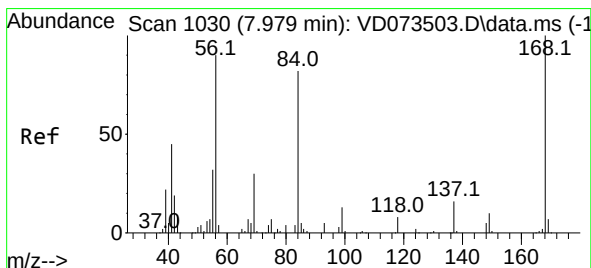
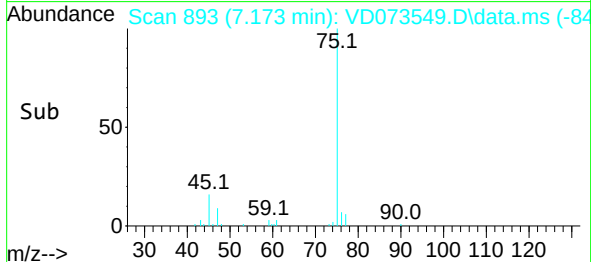
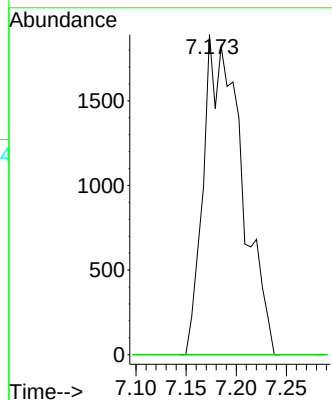
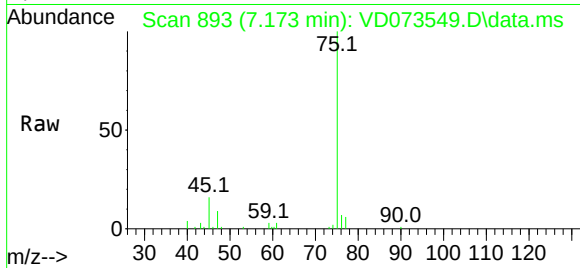




#26
2,2-Dichloropropane
Concen: 1.438 ug/l
RT: 7.173 min Scan# 89
Delta R.T. -0.030 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

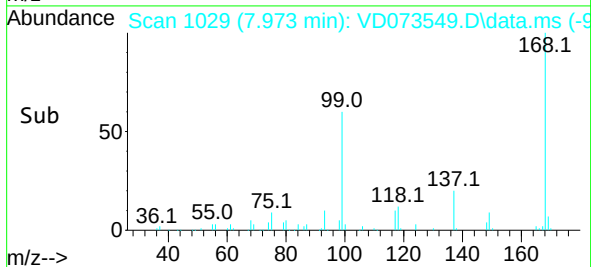
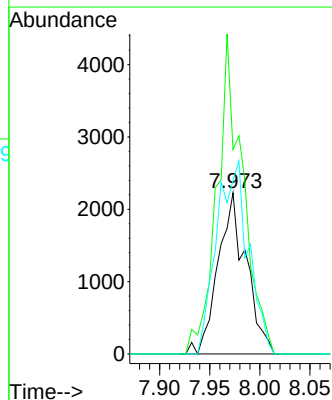
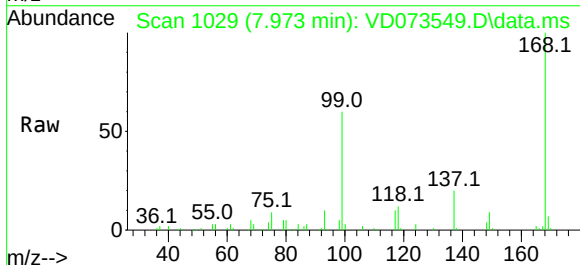
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

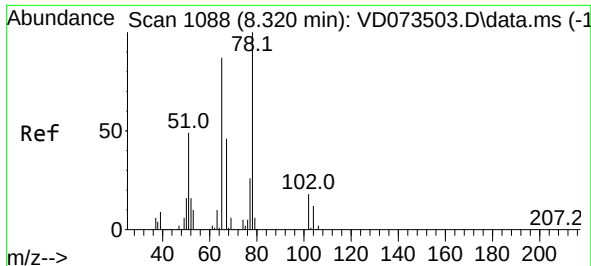
Tgt Ion: 77 Resp: 5000
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion: 56 Resp: 4331
Ion Ratio Lower Upper
56 100
69 126.9 25.4 38.2#
84 107.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.080 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

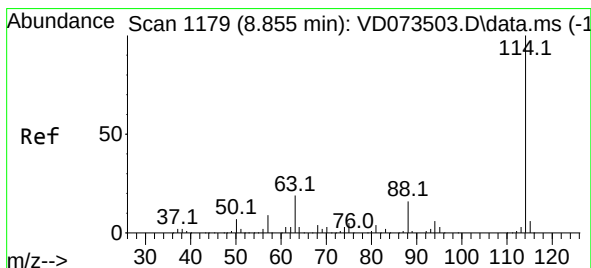
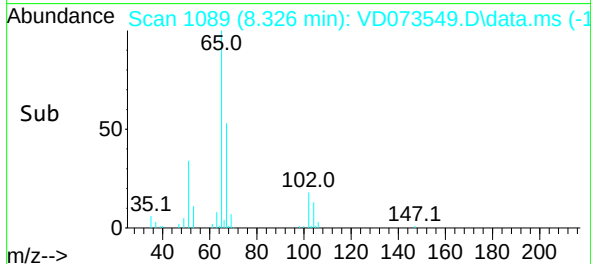
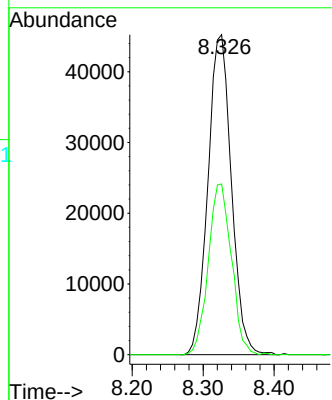
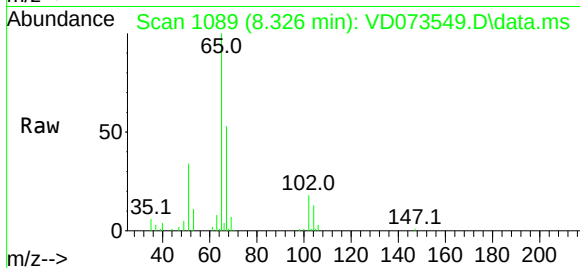
SC-18RE

Tgt Ion: 65 Resp: 103746

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

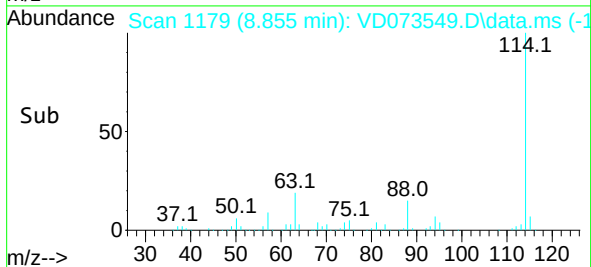
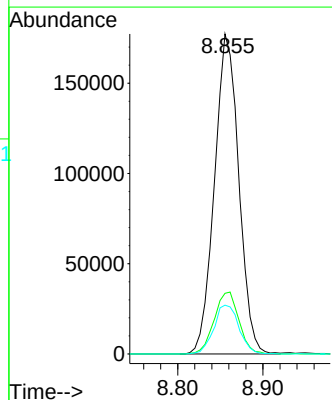
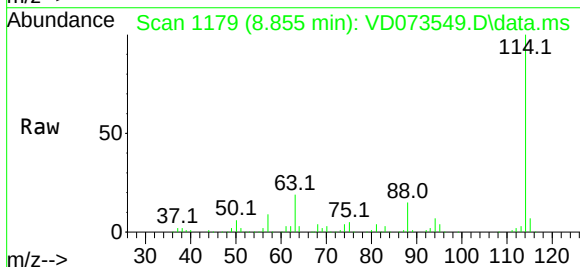
Tgt Ion: 114 Resp: 350987

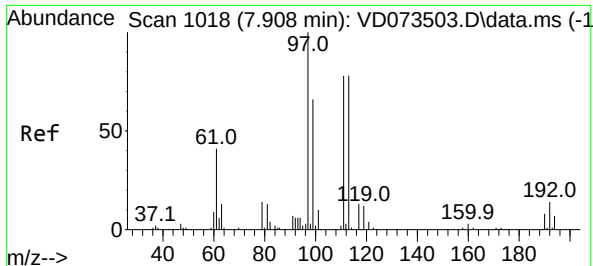
Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 19.536 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

SC-18RE

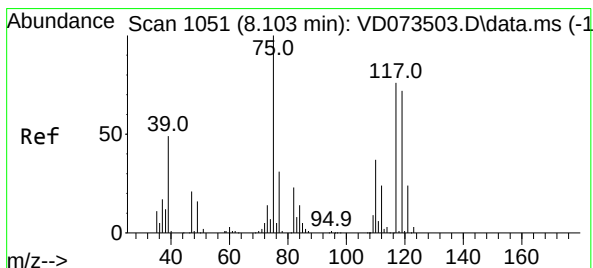
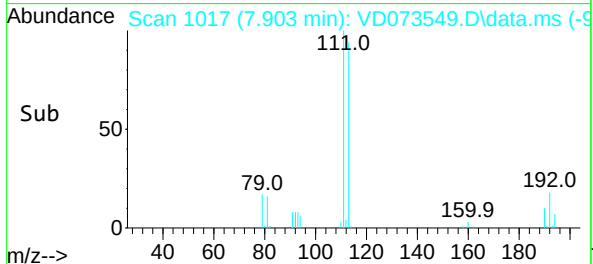
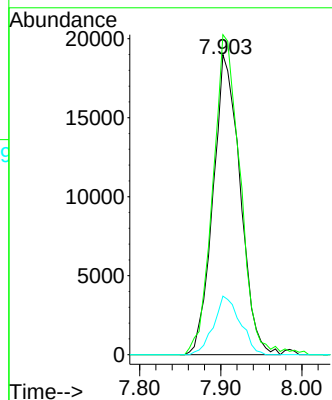
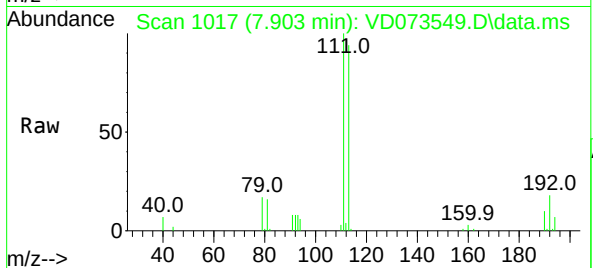
Tgt Ion:113 Resp: 44093

Ion Ratio Lower Upper

113 100

111 107.9 83.8 125.6

192 19.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

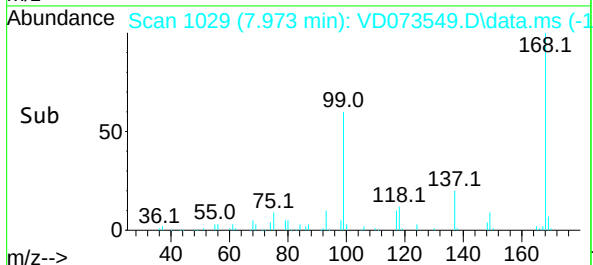
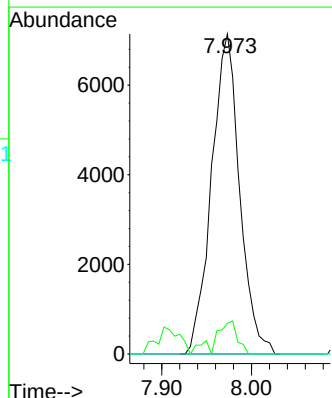
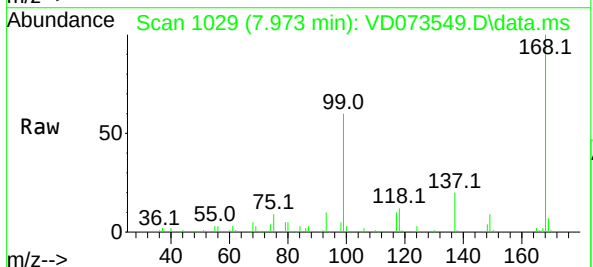
Tgt Ion: 75 Resp: 15525

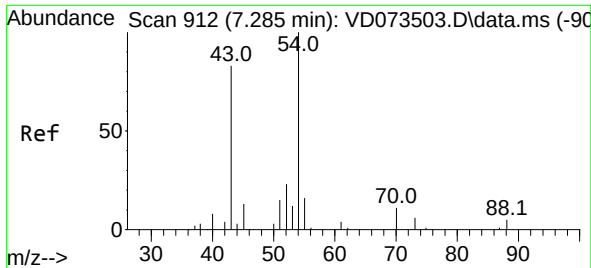
Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.438 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

Instrument :

MSVOA_D

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SC-18RE

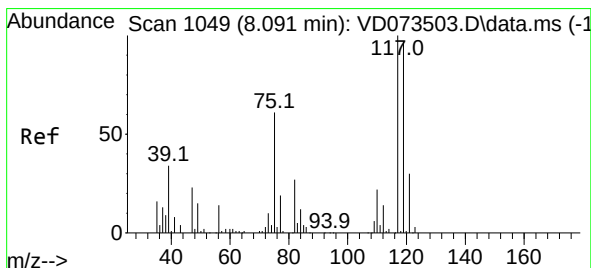
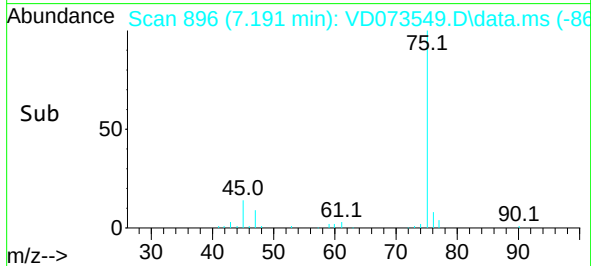
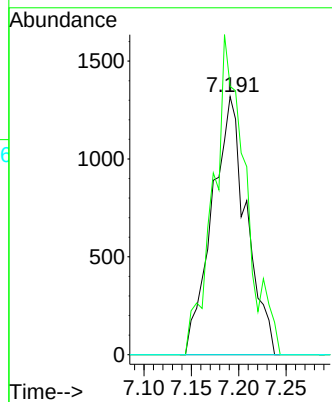
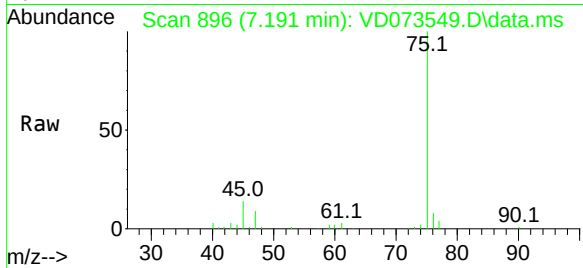
Tgt Ion: 43 Resp: 3338

Ion Ratio Lower Upper

43 100

61 115.6 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.498 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073549.D

Acq: 13 Jun 2022 16:41

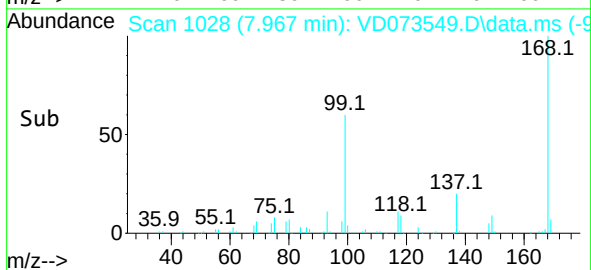
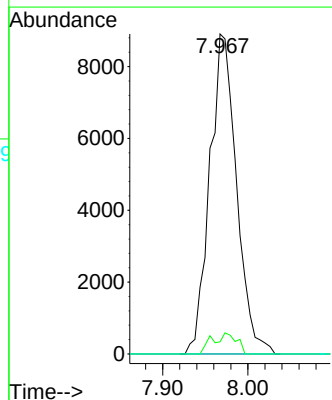
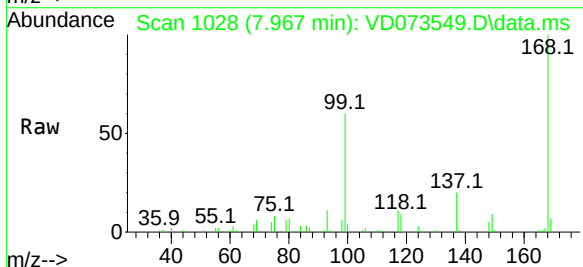
Tgt Ion: 117 Resp: 19497

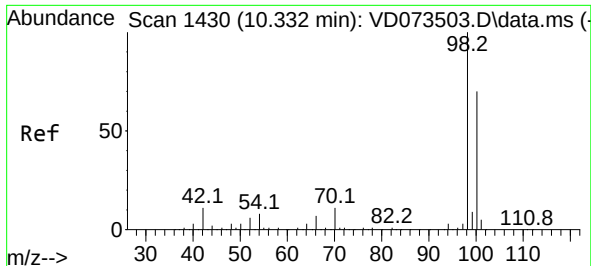
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 24.5 36.7#

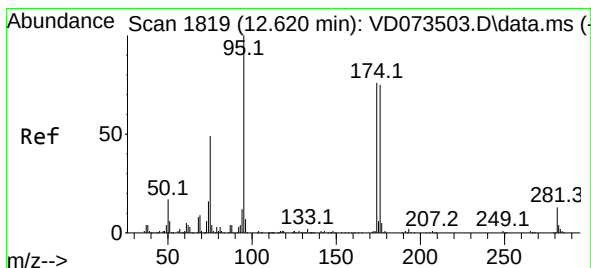
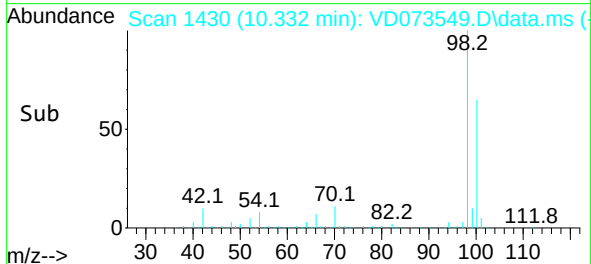
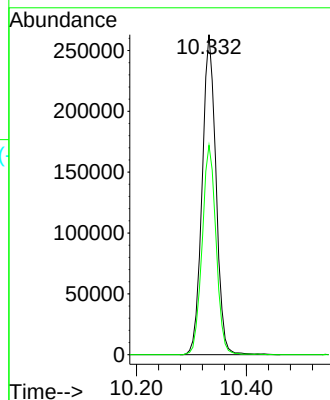
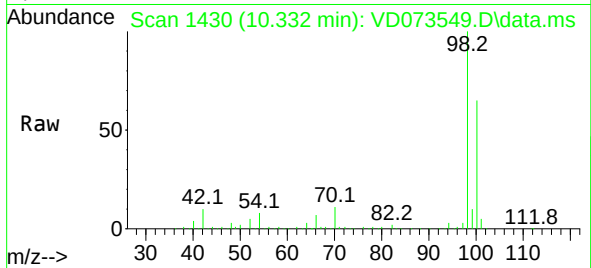




#50
Toluene-d8
Concen: 53.822 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

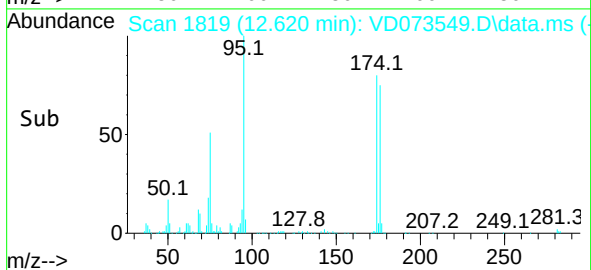
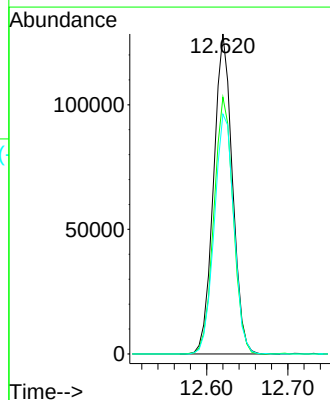
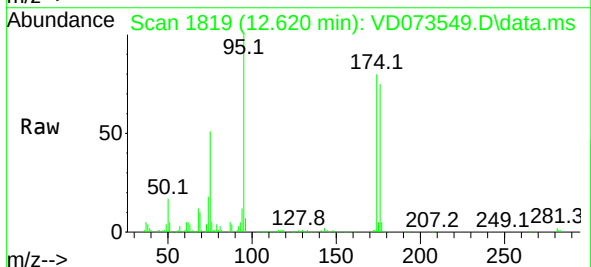
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

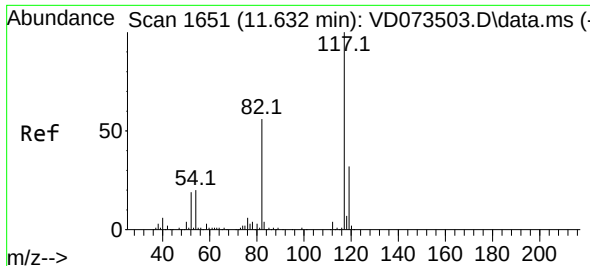
Tgt Ion: 98 Resp: 459287
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 66.932 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion: 95 Resp: 207344
Ion Ratio Lower Upper
95 100
174 81.6 0.0 152.8
176 77.8 0.0 145.4

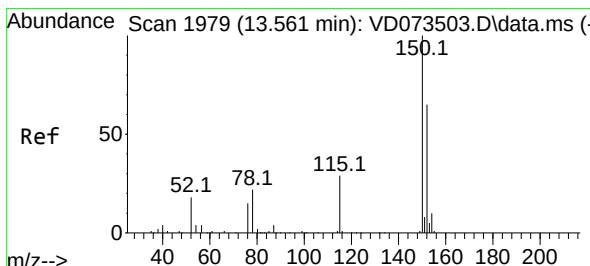
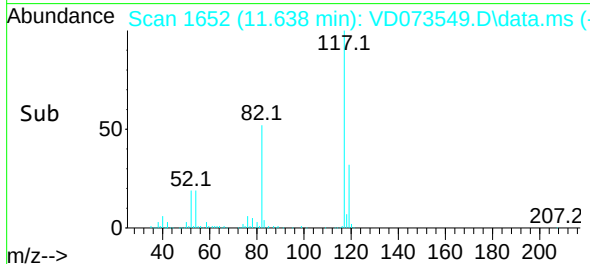
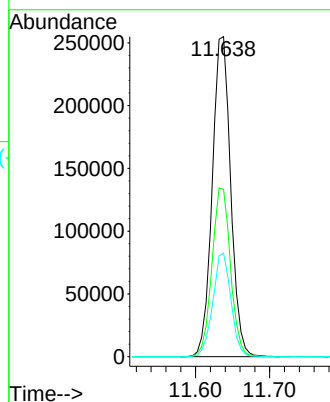
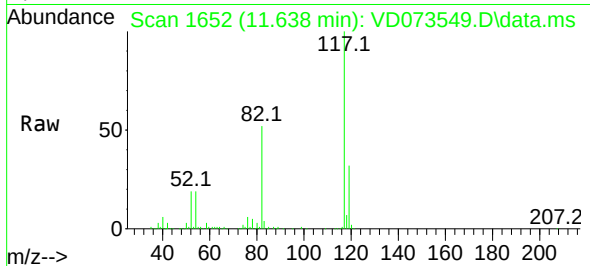




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

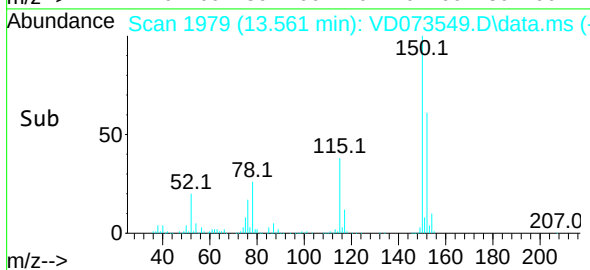
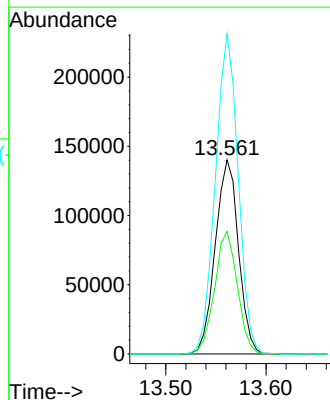
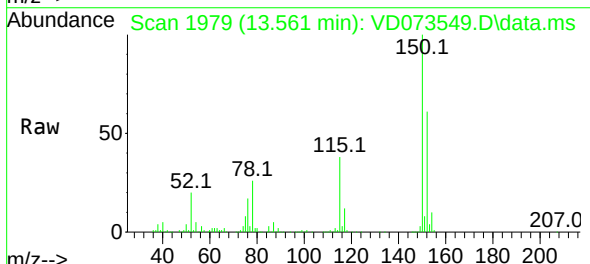
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

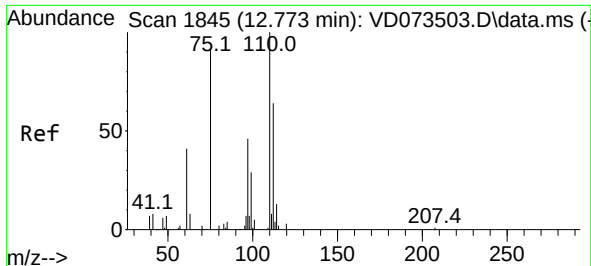
Tgt Ion:117 Resp: 440286
Ion Ratio Lower Upper
117 100
82 52.3 45.3 67.9
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

Tgt Ion:152 Resp: 224831
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 162.0 0.0 348.6

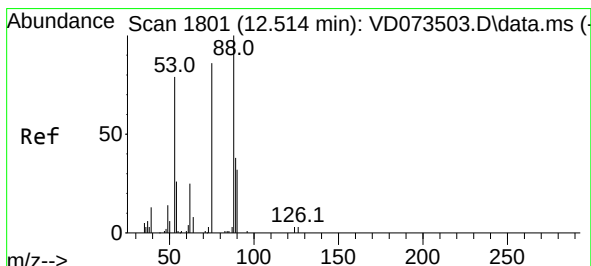
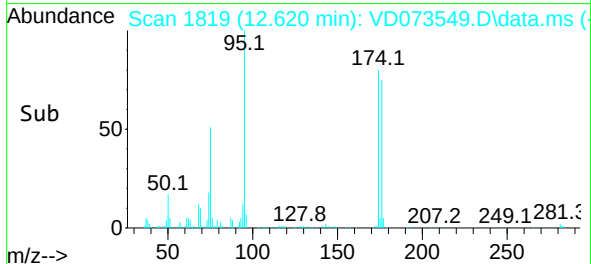
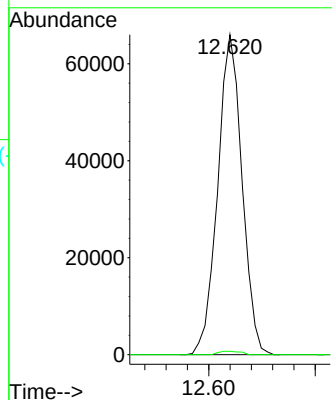
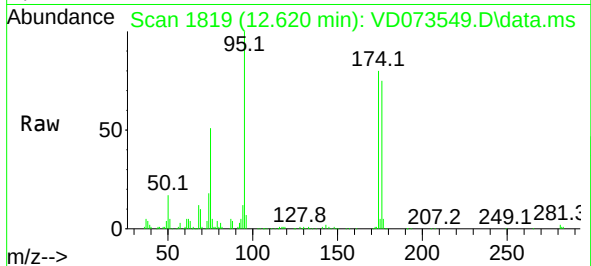




#76
1,2,3-Trichloropropane
Concen: 47.954 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

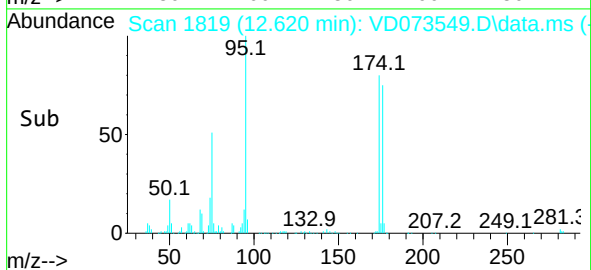
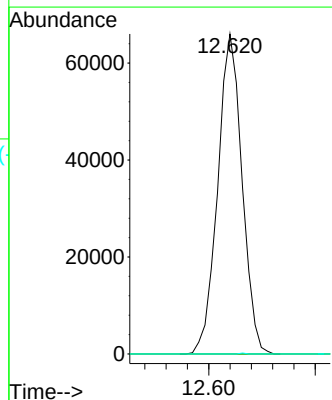
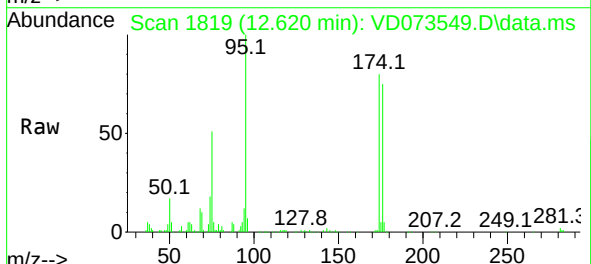
Instrument :
MSVOA_D
ClientSampleId :
SC-18RE

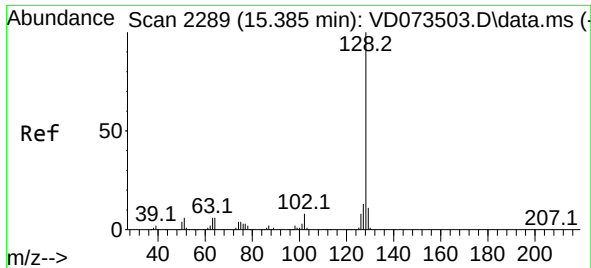
Tgt Ion: 75 Resp: 104739
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.556 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073549.D
Acq: 13 Jun 2022 16:41

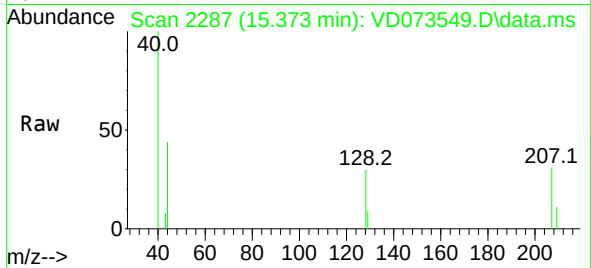
Tgt Ion: 75 Resp: 104739
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 4.268 ug/l
 RT: 15.373 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD073549.D
 Acq: 13 Jun 2022 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-18RE



Tgt Ion:	128	Resp:	571
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	10.2	8.4	12.6

