

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072627.D
 Acq On : 19 Apr 2022 16:18
 Operator : VA/SY
 Sample : N2442-05
 Misc : 4.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124042

Quant Time: Apr 20 05:03:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

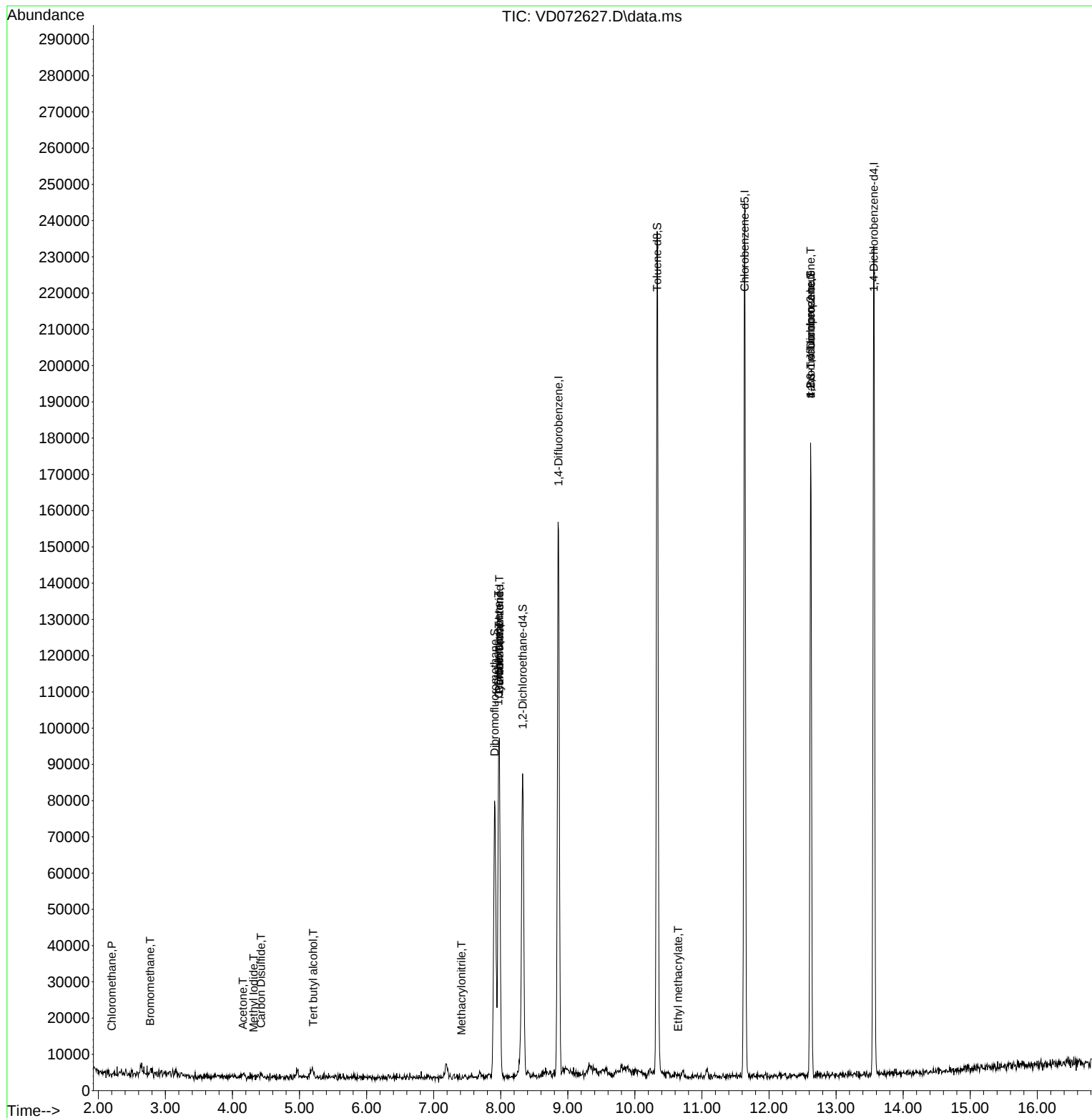
Internal Standards						
1) Pentafluorobenzene	7.979	168	68282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	132982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	141985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	64251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	68189	82.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.100%#			
35) Dibromofluoromethane	7.909	113	56018	54.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.400%			
50) Toluene-d8	10.332	98	159554	44.415	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.820%			
62) 4-Bromofluorobenzene	12.620	95	59701	42.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.100%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	510	1.017	ug/l #	40
5) Bromomethane	2.774	94	849	2.198	ug/l	82
10) Methyl Iodide	4.315	142	455	4.307	ug/l #	73
11) Tert butyl alcohol	5.203	59	371	8.505	ug/l #	74
16) Acetone	4.156	43	904	5.869	ug/l	97
17) Carbon Disulfide	4.426	76	119	3.709	ug/l #	74
31) Cyclohexane	7.973	56	1667	1.543	ug/l #	30
36) 1,1-Dichloropropene	7.967	75	5923	5.508	ug/l #	46
38) Carbon Tetrachloride	7.979	117	7926	5.567	ug/l #	17
41) Methacrylonitrile	7.414	41	56	1.827	ug/l #	27
56) Ethyl methacrylate	10.644	69	113	1.303	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	29716	42.405	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	29716	104.055	ug/l #	7

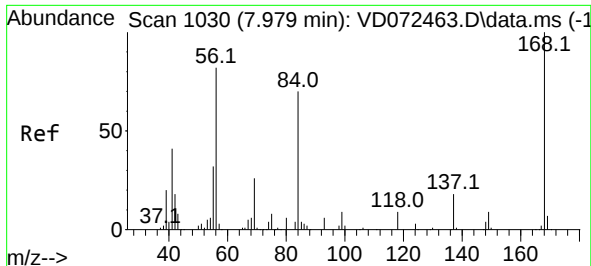
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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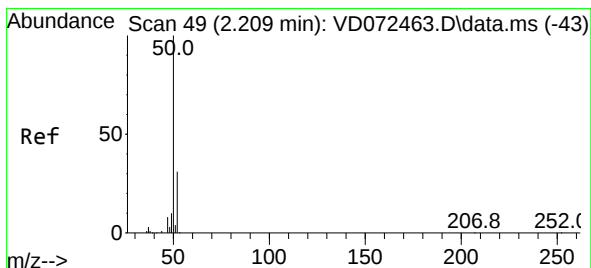
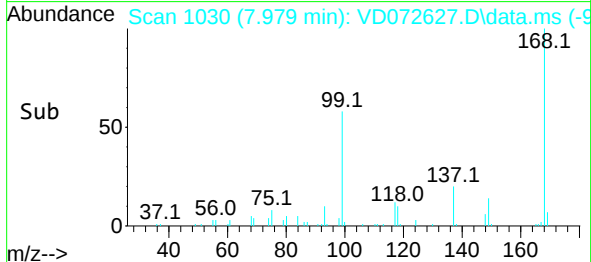
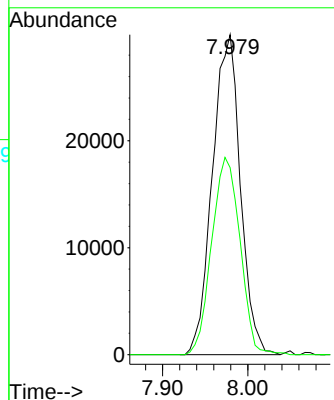
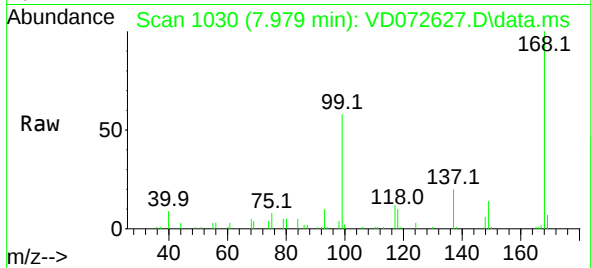




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

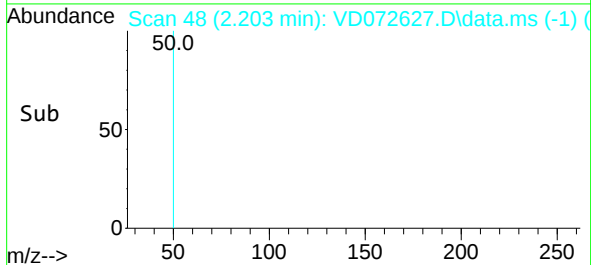
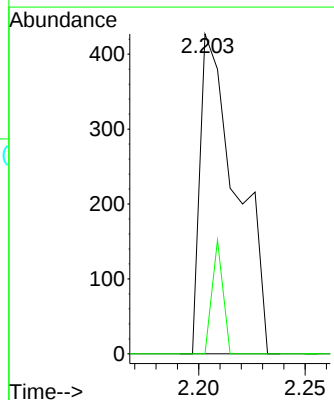
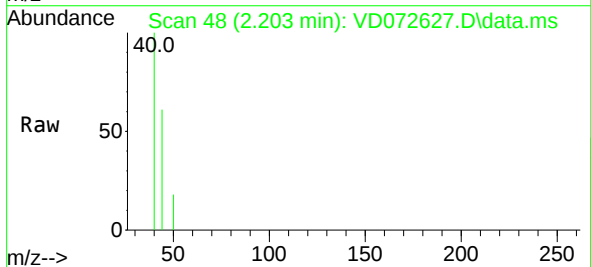
Instrument :
MSVOA_D
ClientSampleId :
124042

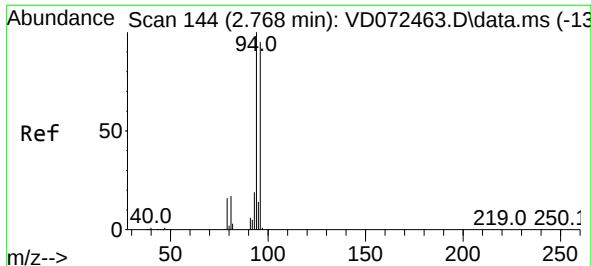
Tgt Ion:168 Resp: 68282
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#3
Chloromethane
Concen: 1.017 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 50 Resp: 510
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

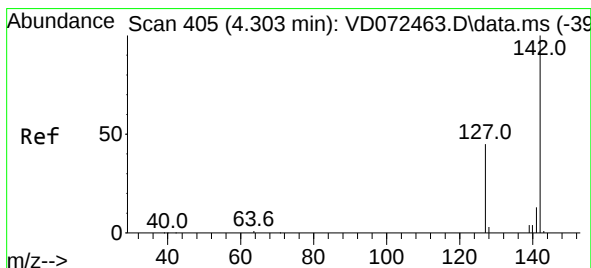
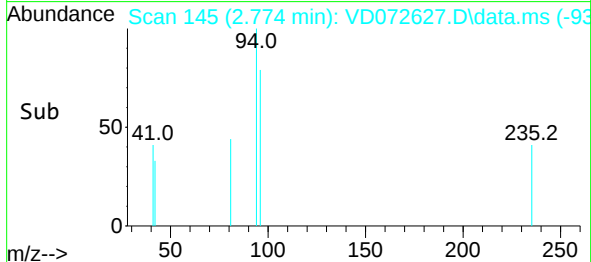
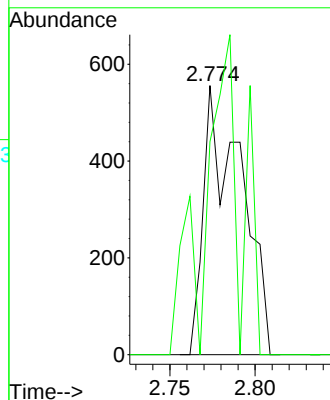
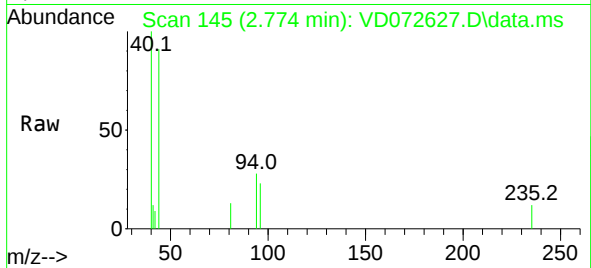




#5
Bromomethane
Concen: 2.198 ug/l
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

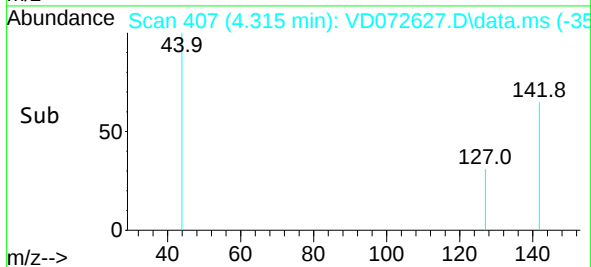
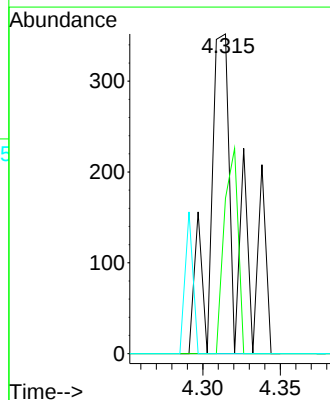
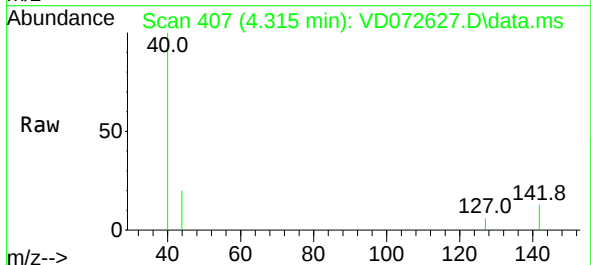
Instrument :
MSVOA_D
ClientSampleId :
124042

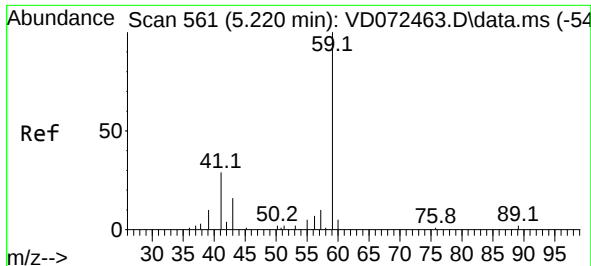
Tgt Ion: 94 Resp: 849
Ion Ratio Lower Upper
94 100
96 79.1 77.6 116.4



#10
Methyl Iodide
Concen: 4.307 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 142 Resp: 455
Ion Ratio Lower Upper
142 100
127 30.8 37.3 55.9#
141 0.0 11.7 17.5#

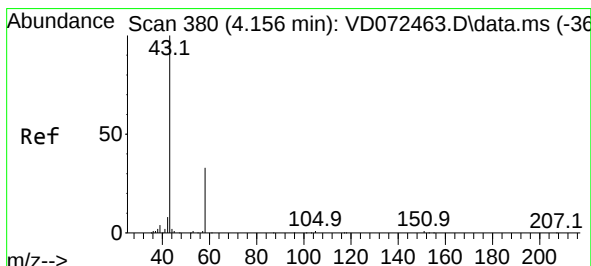
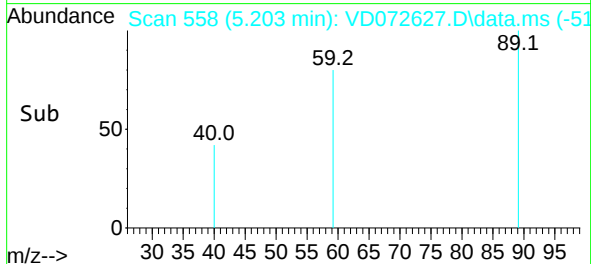
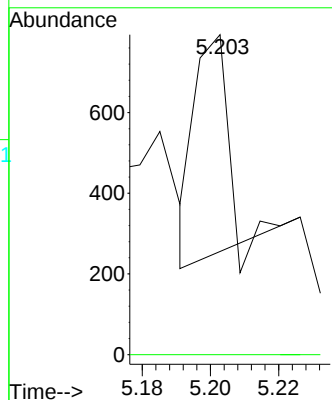
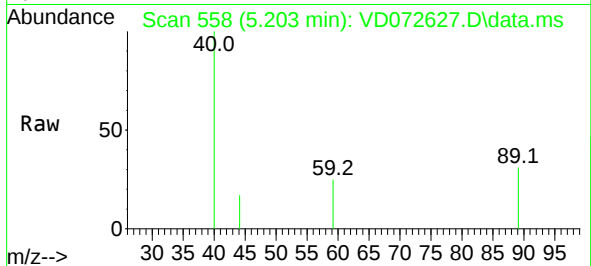




#11
Tert butyl alcohol
Concen: 8.505 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

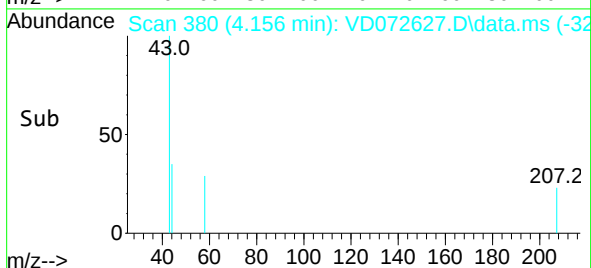
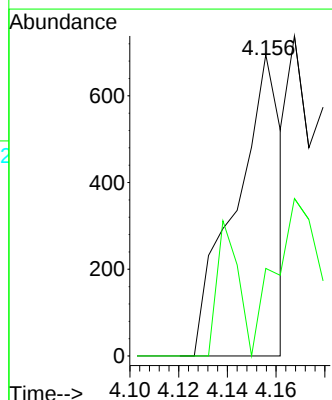
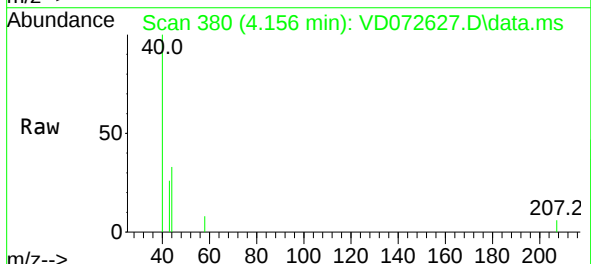
Instrument :
MSVOA_D
ClientSampleId :
124042

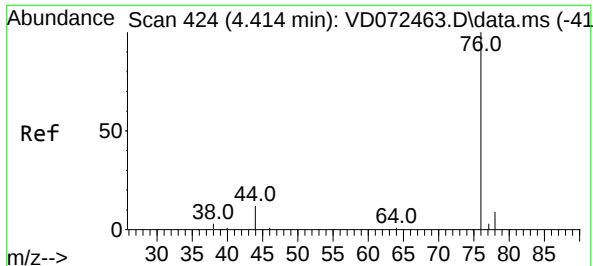
Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.869 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 29.1 22.1 33.1





#17

Carbon Disulfide

Concen: 3.709 ug/l

RT: 4.426 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

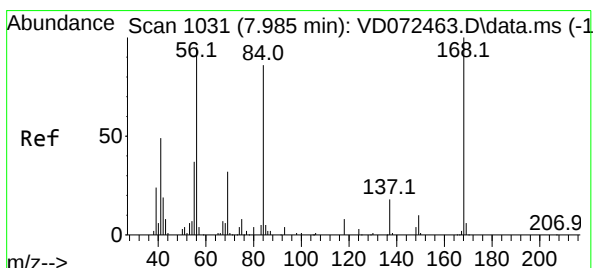
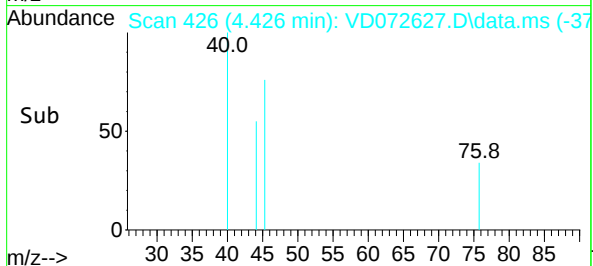
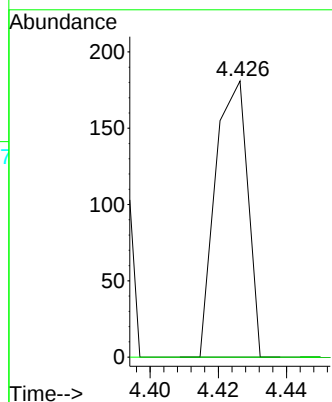
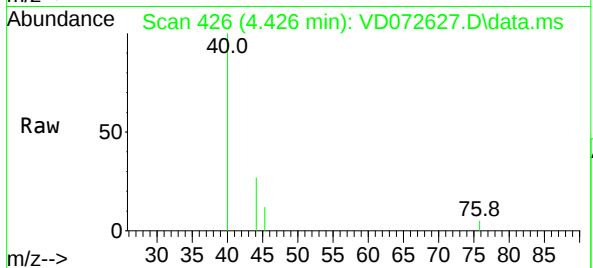
124042

Tgt Ion: 76 Resp: 119

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#31

Cyclohexane

Concen: 1.543 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

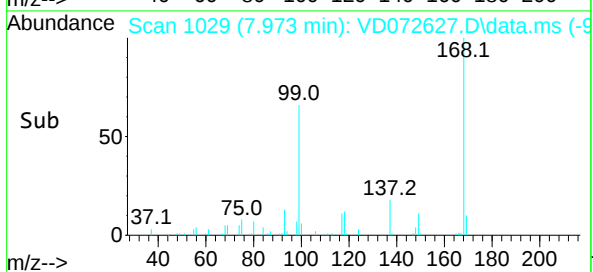
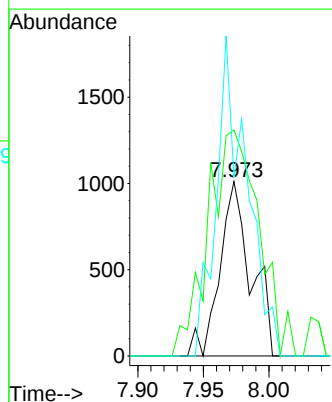
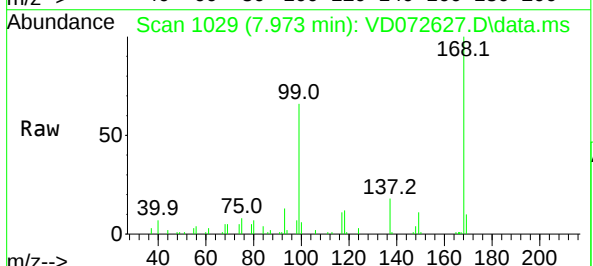
Tgt Ion: 56 Resp: 1667

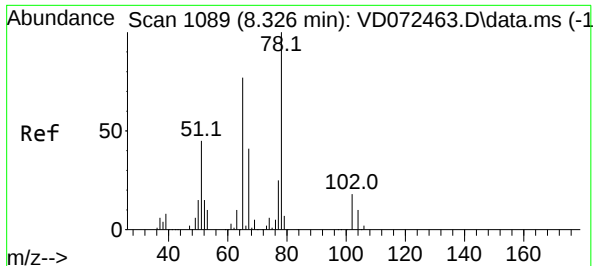
Ion Ratio Lower Upper

56 100

69 129.6 25.4 38.2#

84 102.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 82.553 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

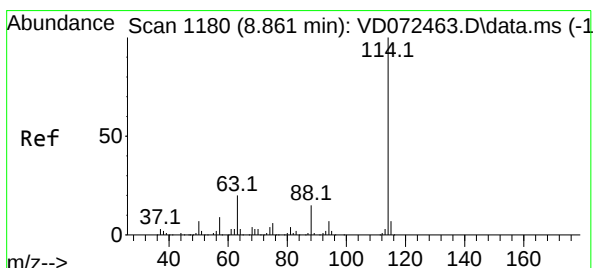
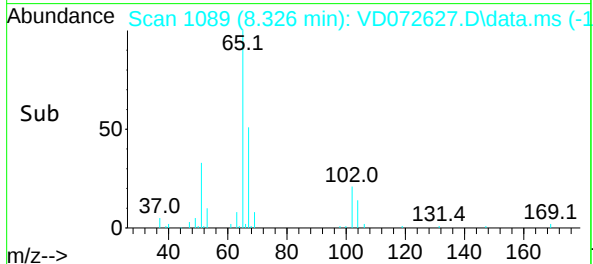
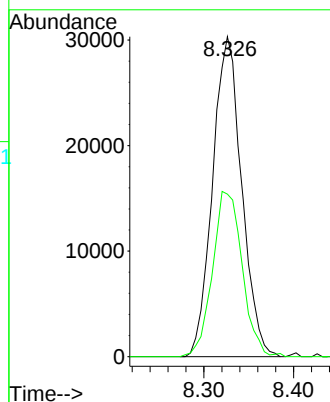
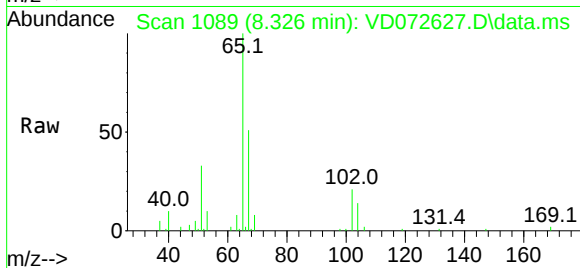
124042

Tgt Ion: 65 Resp: 68189

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

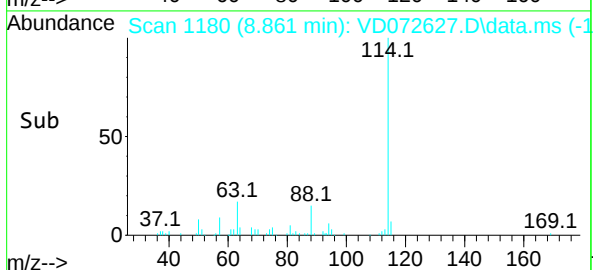
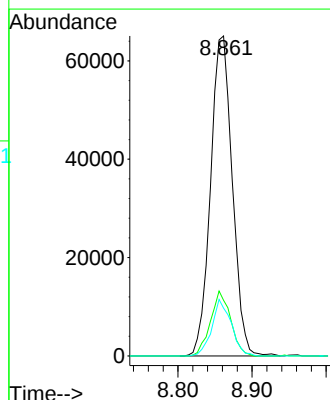
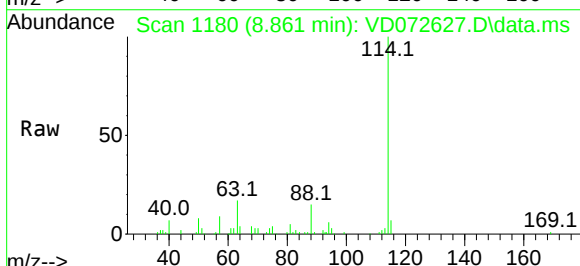
Tgt Ion: 114 Resp: 132982

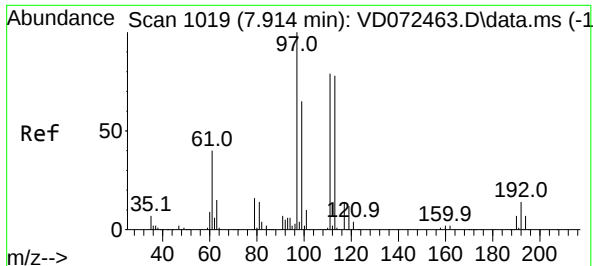
Ion Ratio Lower Upper

114 100

63 17.4 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.204 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

124042

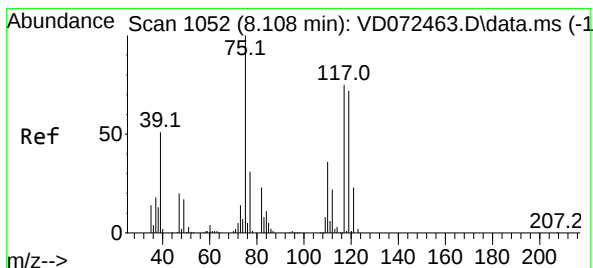
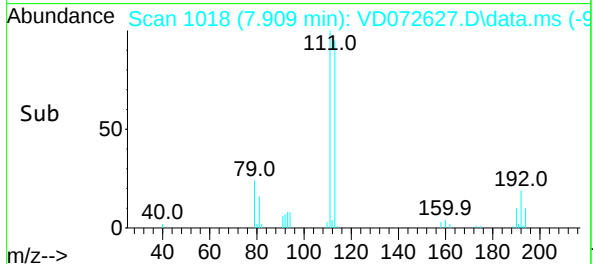
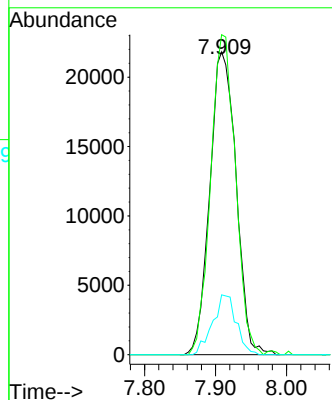
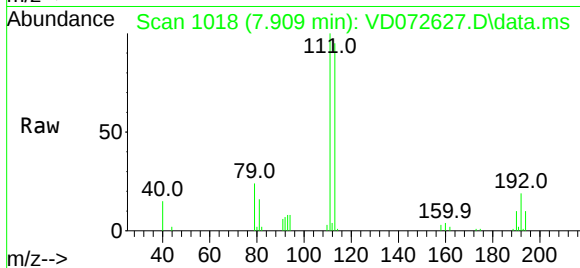
Tgt Ion:113 Resp: 56018

Ion Ratio Lower Upper

113 100

111 99.7 83.8 125.6

192 17.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.508 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

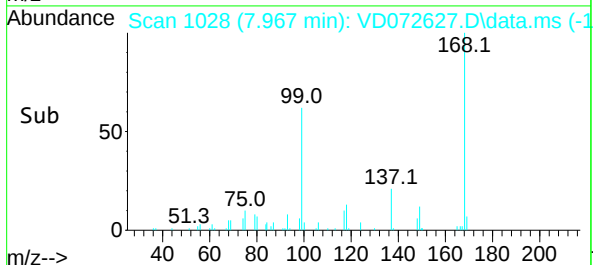
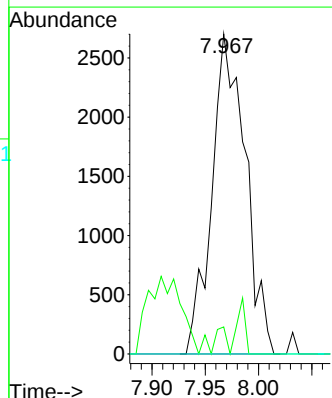
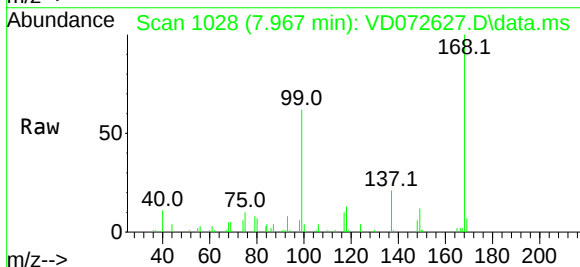
Tgt Ion: 75 Resp: 5923

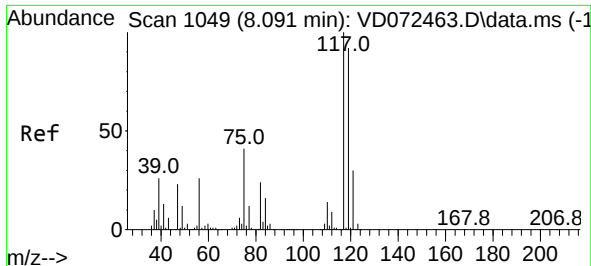
Ion Ratio Lower Upper

75 100

110 3.6 16.4 49.1#

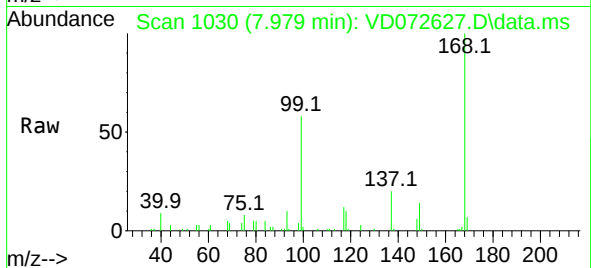
77 0.0 24.2 36.2#



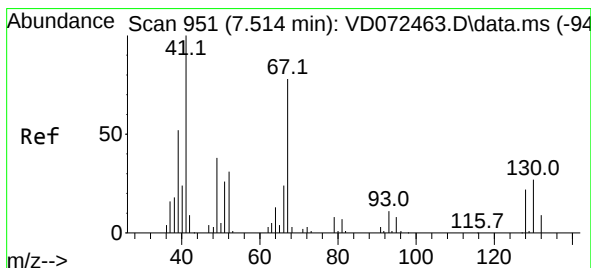
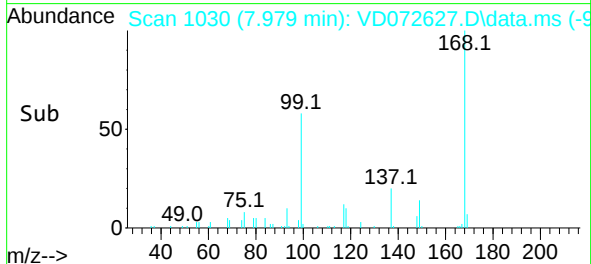
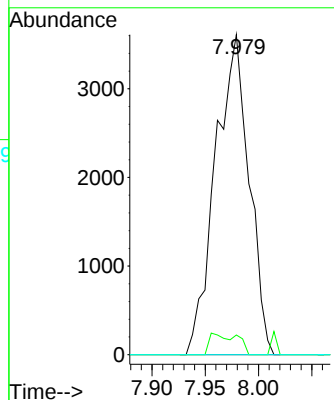


#38
Carbon Tetrachloride
Concen: 5.567 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Instrument : MSVOA_D
ClientSampleId : 124042

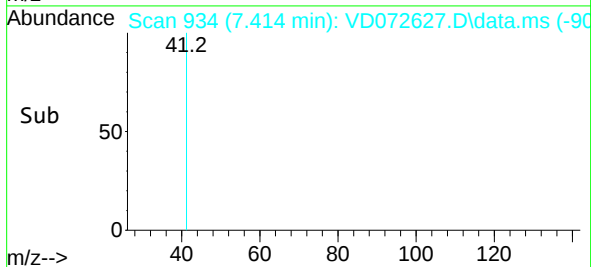
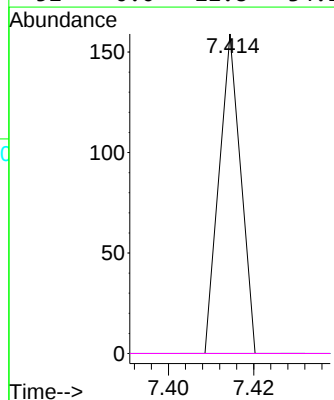
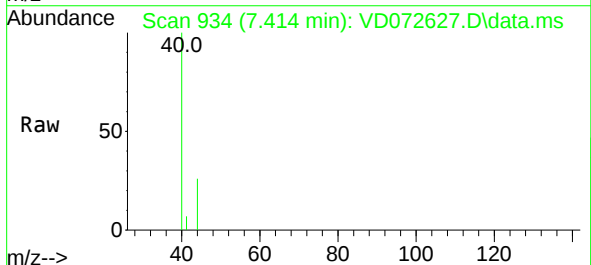


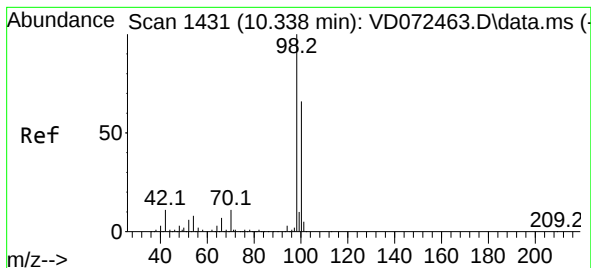
Tgt Ion: 117 Resp: 7926
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.827 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.100 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

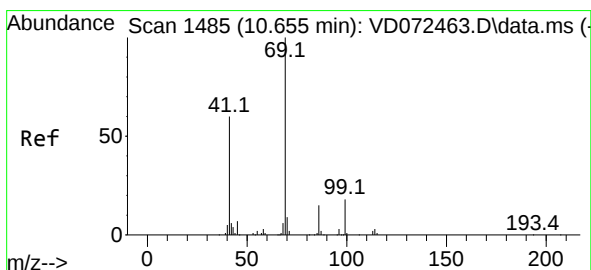
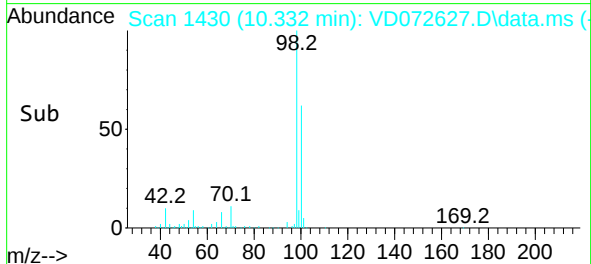
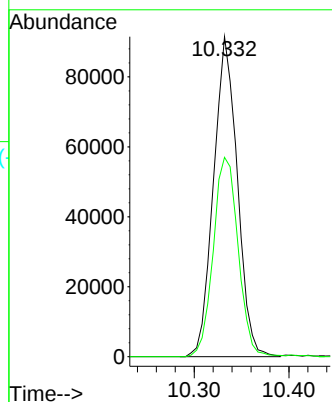
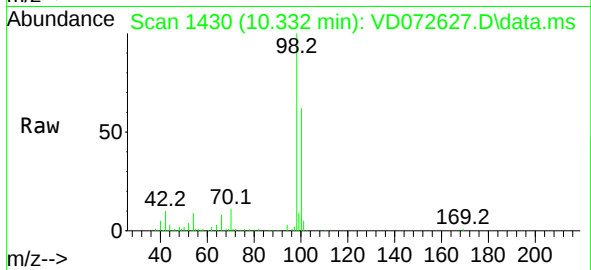




#50
Toluene-d8
Concen: 44.415 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

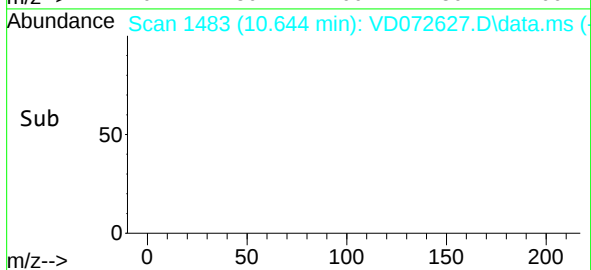
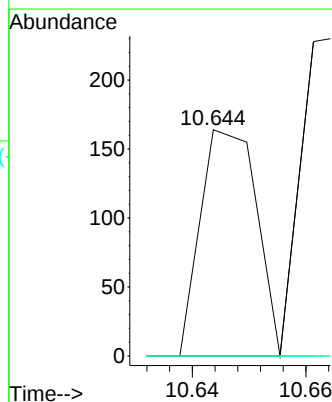
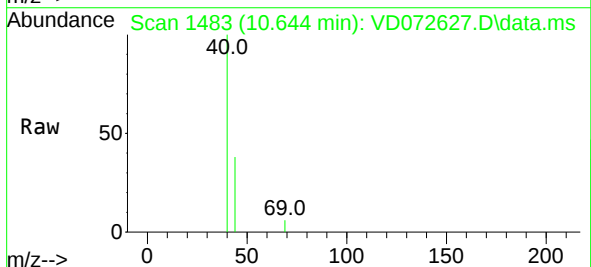
Instrument :
MSVOA_D
ClientSampleId :
124042

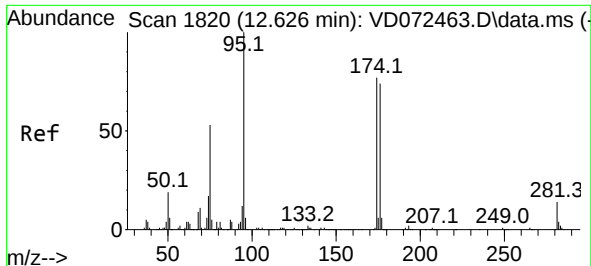
Tgt Ion: 98 Resp: 159554
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.303 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

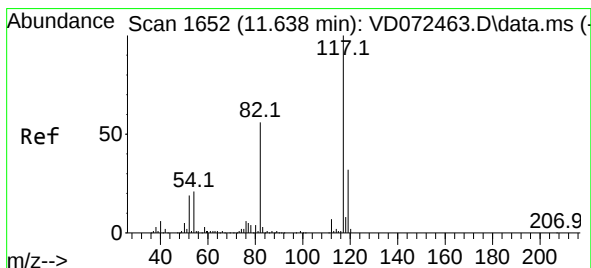
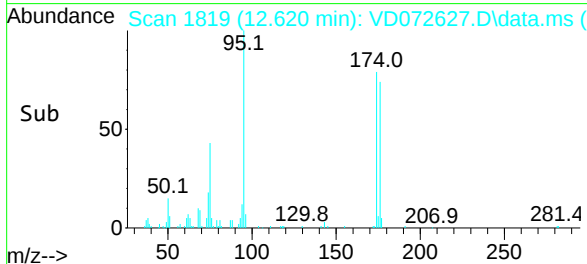
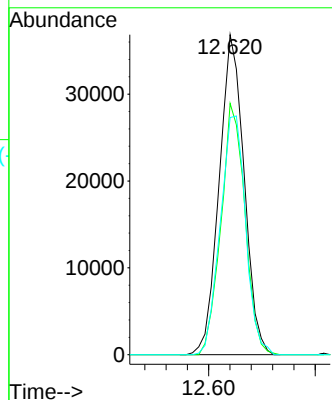
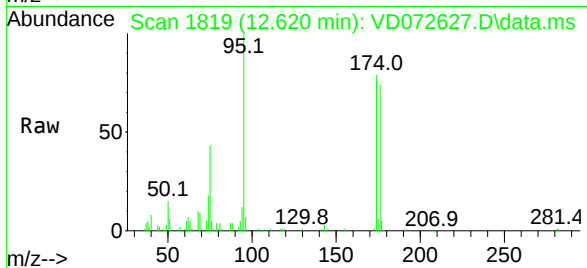




#62
4-Bromofluorobenzene
Concen: 42.553 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

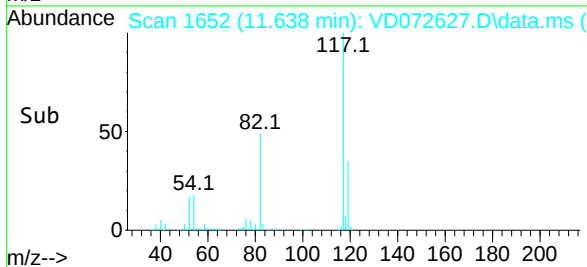
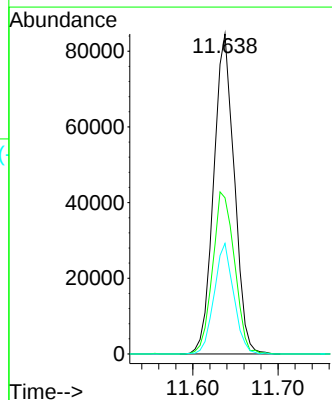
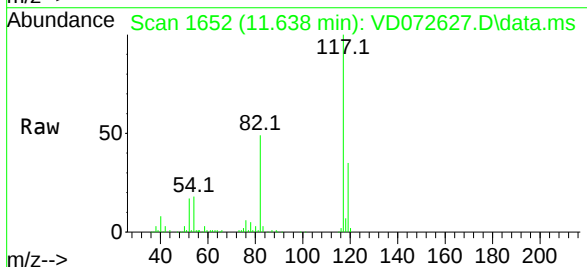
Instrument :
MSVOA_D
ClientSampleId :
124042

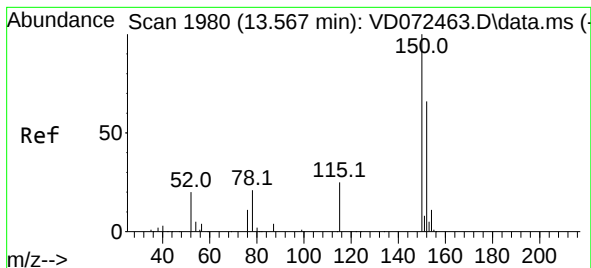
Tgt Ion: 95 Resp: 59701
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 76.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072627.D
Acq: 19 Apr 2022 16:18

Tgt Ion: 117 Resp: 141985
Ion Ratio Lower Upper
117 100
82 48.8 45.3 67.9
119 34.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD072627.D

Acq: 19 Apr 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

124042

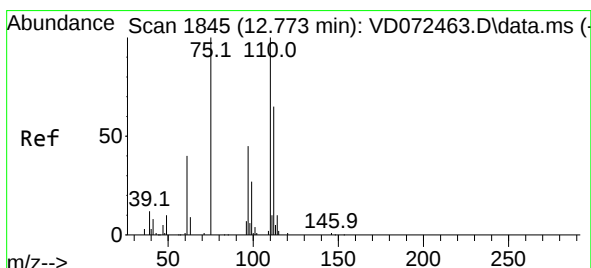
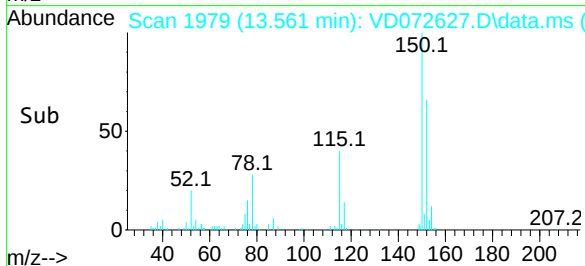
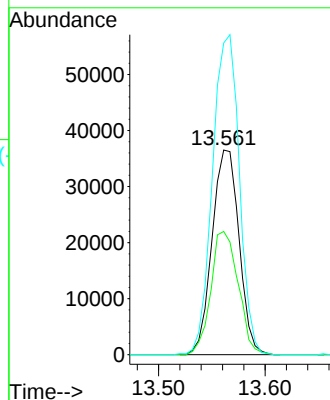
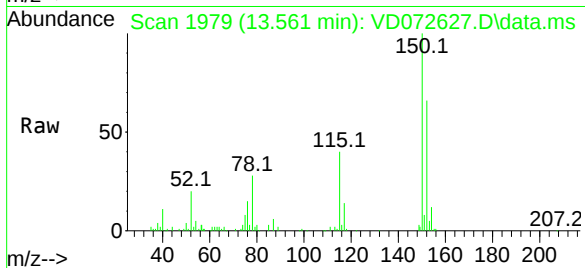
Tgt Ion:152 Resp: 64251

Ion Ratio Lower Upper

152 100

115 61.0 31.3 93.8

150 155.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 42.405 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072627.D

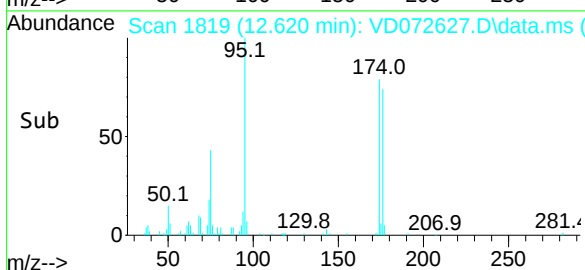
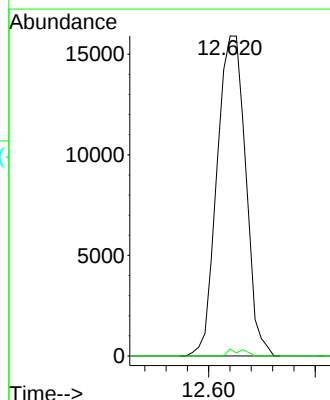
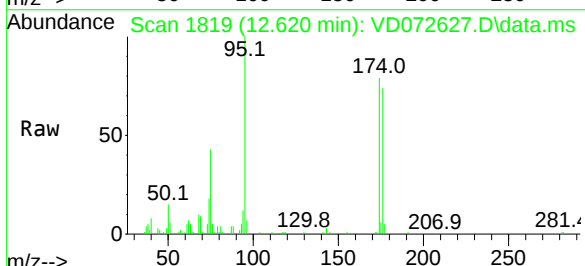
Acq: 19 Apr 2022 16:18

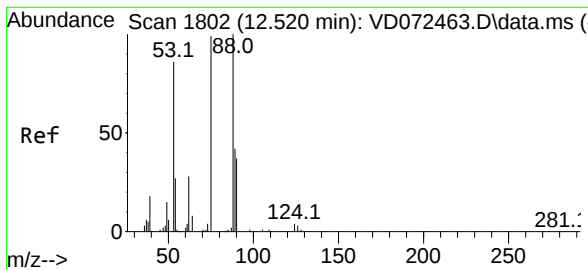
Tgt Ion: 75 Resp: 29716

Ion Ratio Lower Upper

75 100

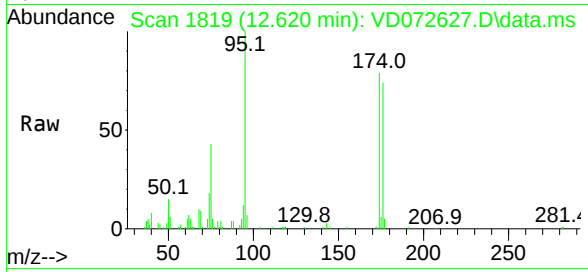
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.055 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072627.D
 Acq: 19 Apr 2022 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 124042



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.5	129.7#
89	0.0	33.9	50.9#

