

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072625.D
 Acq On : 19 Apr 2022 15:22
 Operator : VA/SY
 Sample : N2442-01
 Misc : 3.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124035

Quant Time: Apr 20 05:03:22 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

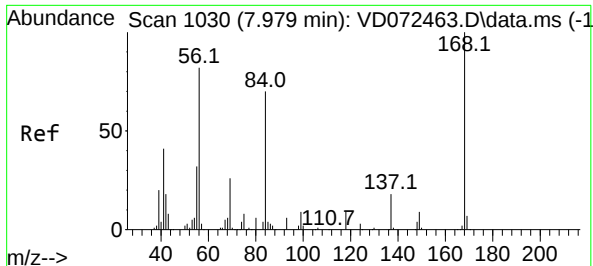
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	401480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	771713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	746038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	332258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244104	50.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.520%
35) Dibromofluoromethane	7.908	113	256118	42.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.420%
50) Toluene-d8	10.332	98	935838	44.891	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.780%
62) 4-Bromofluorobenzene	12.620	95	330861	40.638	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.280%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1370	4.026	ug/l #	52
11) Tert butyl alcohol	5.191	59	17616	68.685	ug/l #	76
14) Allyl chloride	4.662	41	57	1.136	ug/l #	22
16) Acetone	4.162	43	5242	5.788	ug/l #	86
17) Carbon Disulfide	4.409	76	3175	4.003	ug/l #	74
20) Methylene Chloride	4.967	84	11943	2.215	ug/l #	73
23) Vinyl Acetate	6.385	43	60	6.296	ug/l #	75
25) 2-Butanone	7.197	43	1997	1.594	ug/l	99
31) Cyclohexane	7.973	56	8634	1.360	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	31234	5.108	ug/l #	47
38) Carbon Tetrachloride	7.979	117	40767	4.934	ug/l #	17
39) Methylcyclohexane	9.355	83	150	2.892	ug/l #	17
41) Methacrylonitrile	7.556	41	164	1.743	ug/l #	27
43) Isopropyl Acetate	8.291	43	9448	1.550	ug/l #	4
56) Ethyl methacrylate	10.661	69	375	1.255	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	164681	45.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	164681	111.511	ug/l #	7

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

Quant Time: Apr 20 05:03:22 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

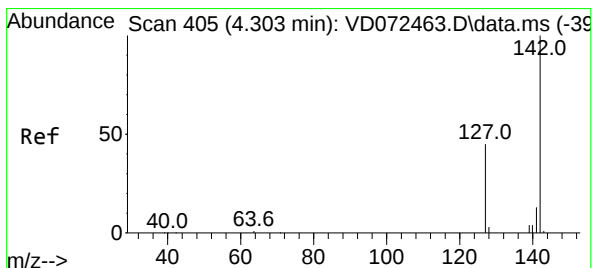
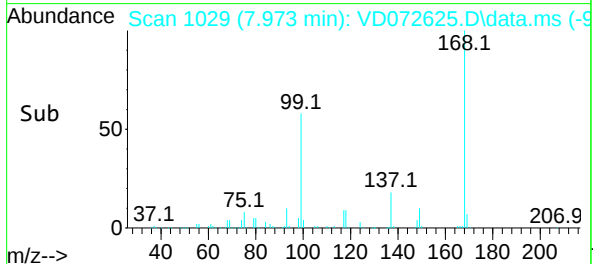
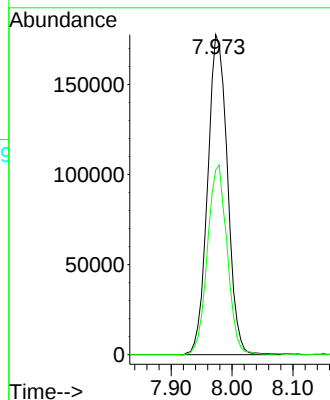
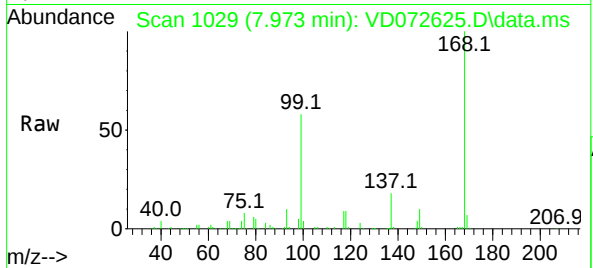




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

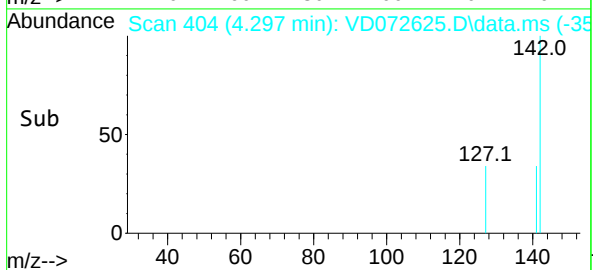
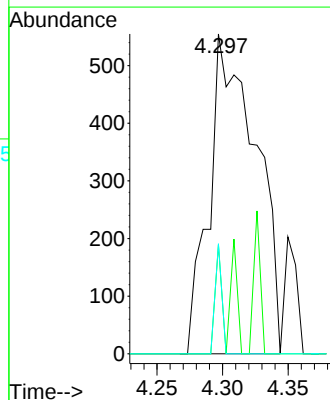
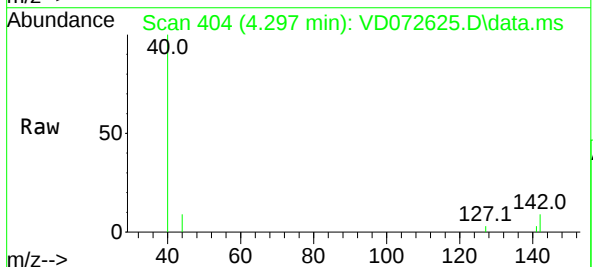
Instrument :
MSVOA_D
ClientSampleId :
124035

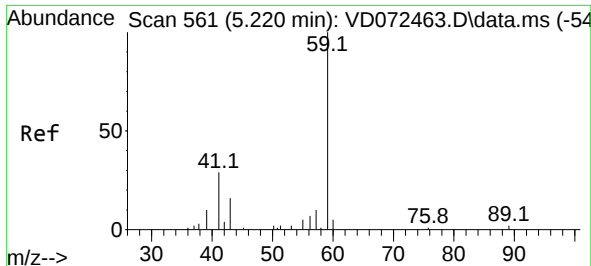
Tgt Ion:168 Resp: 401480
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#10
Methyl Iodide
Concen: 4.026 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion:142 Resp: 1370
Ion Ratio Lower Upper
142 100
127 10.0 37.3 55.9#
141 4.9 11.7 17.5#





#11

Tert butyl alcohol

Concen: 68.685 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.029 min

Lab File: VD072625.D

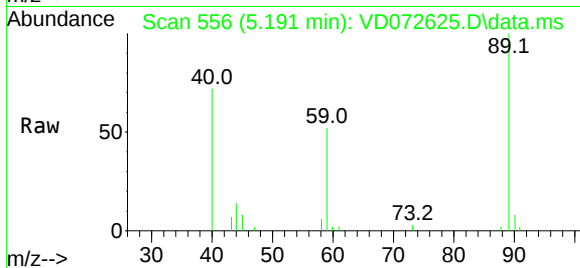
Acq: 19 Apr 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

124035

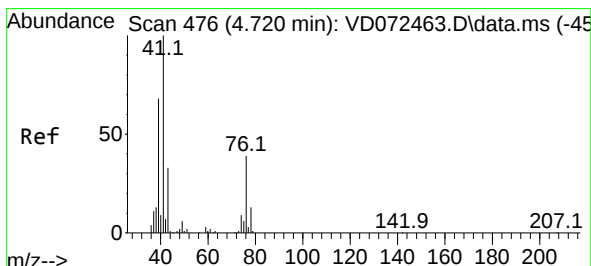
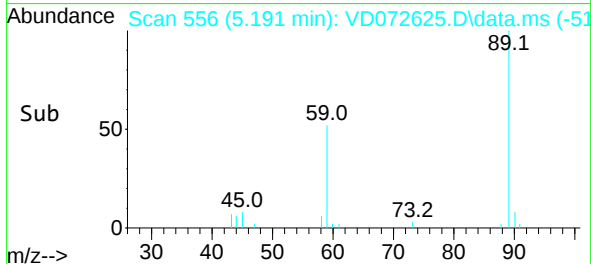
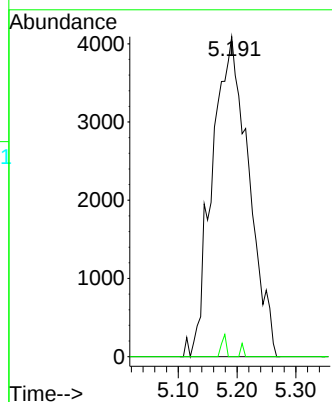


Tgt Ion: 59 Resp: 17616

Ion Ratio Lower Upper

59 100

57 0.9 7.8 11.6#



#14

Allyl chloride

Concen: 1.136 ug/l

RT: 4.662 min Scan# 466

Delta R.T. -0.058 min

Lab File: VD072625.D

Acq: 19 Apr 2022 15:22

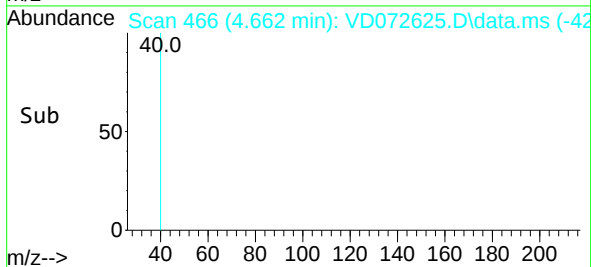
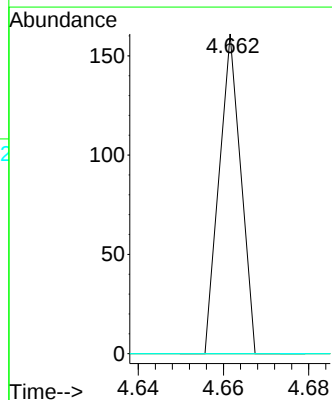
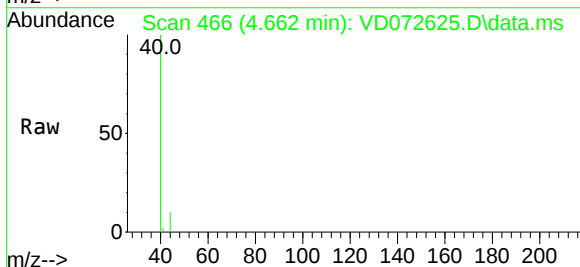
Tgt Ion: 41 Resp: 57

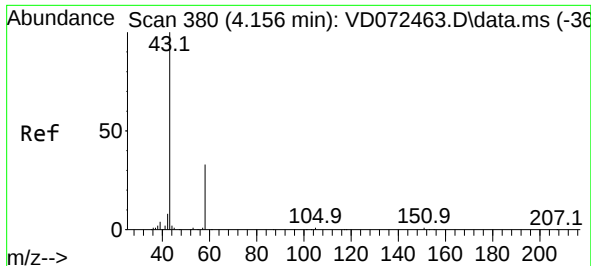
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

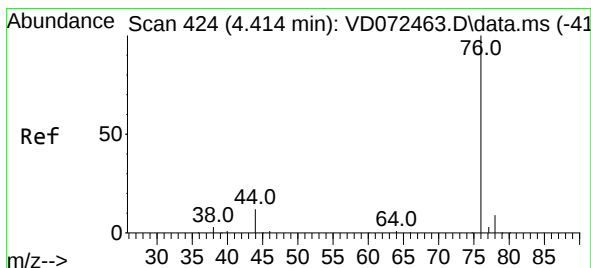
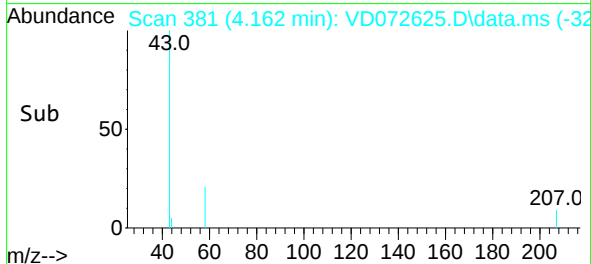
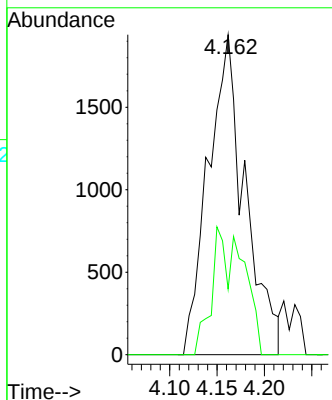
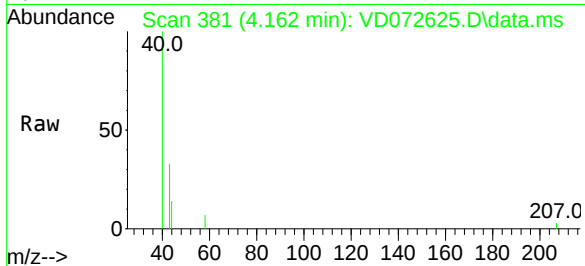




#16
Acetone
Concen: 5.788 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

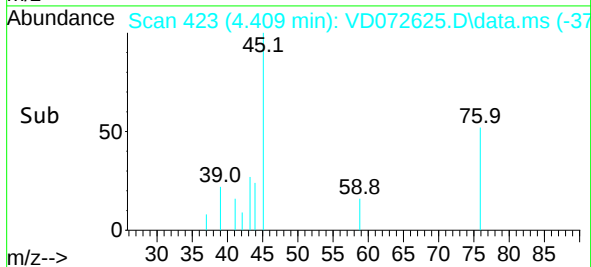
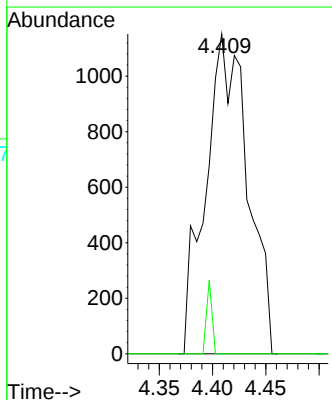
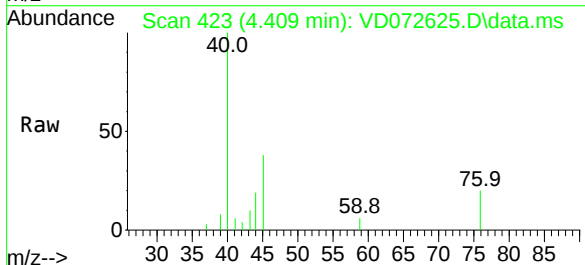
Instrument :
MSVOA_D
ClientSampleId :
124035

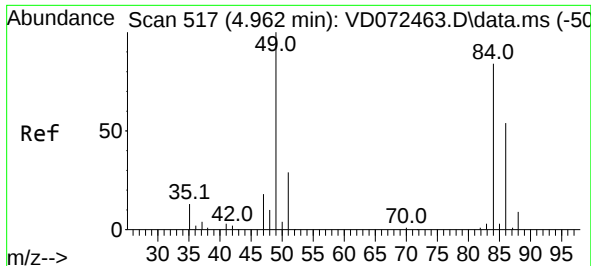
Tgt Ion: 43 Resp: 5242
Ion Ratio Lower Upper
43 100
58 20.5 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.003 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 76 Resp: 3175
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



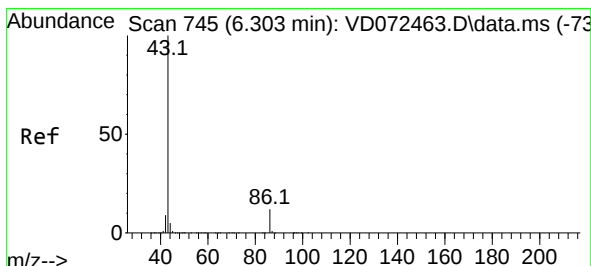
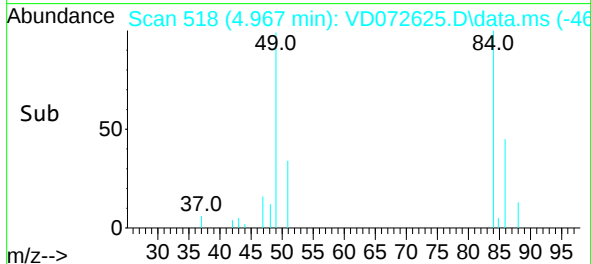
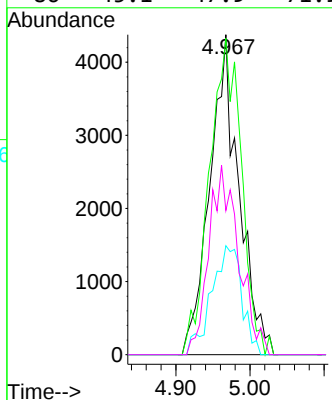
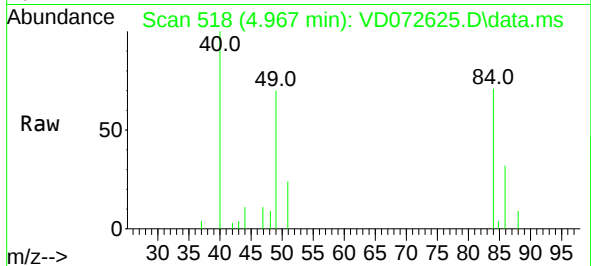


#20
Methylene Chloride
Concen: 2.215 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :
124035

Tgt Ion: 84 Resp: 11943

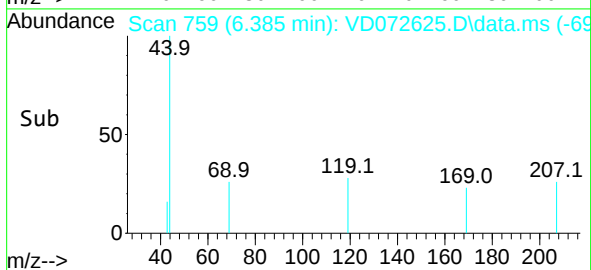
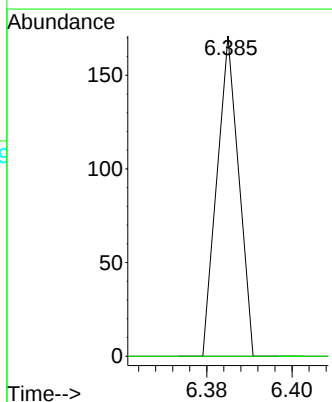
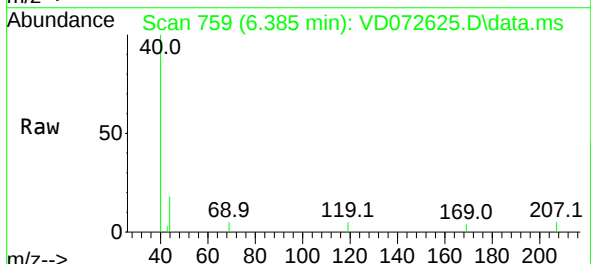
Ion	Ratio	Lower	Upper
84	100		
49	98.9	112.8	169.2#
51	34.0	32.6	48.8
86	45.1	47.9	71.9#

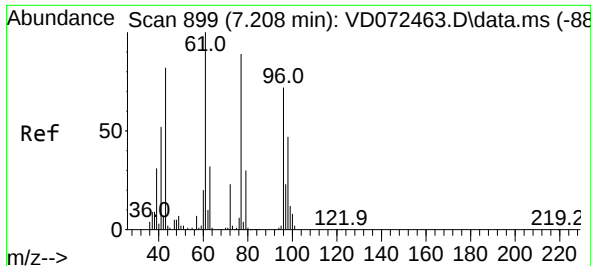


#23
Vinyl Acetate
Concen: 6.296 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.082 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 43 Resp: 60

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

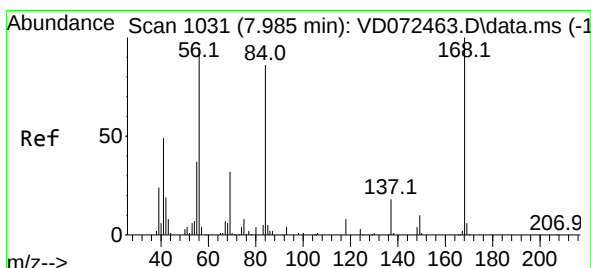
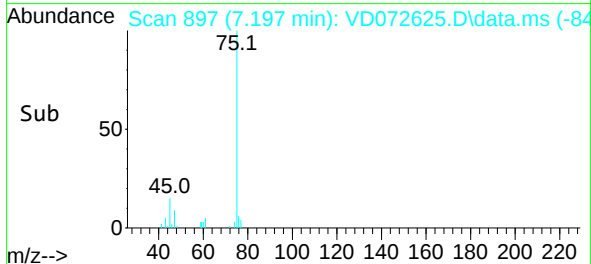
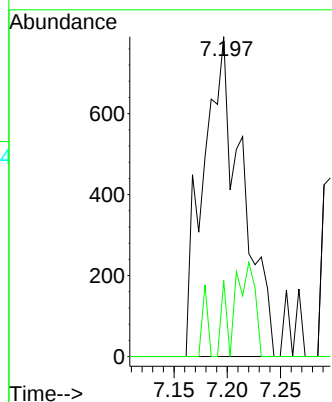
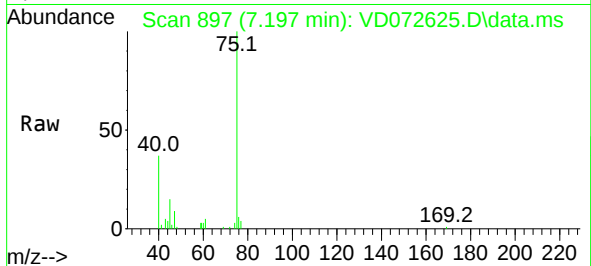




#25
2-Butanone
Concen: 1.594 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

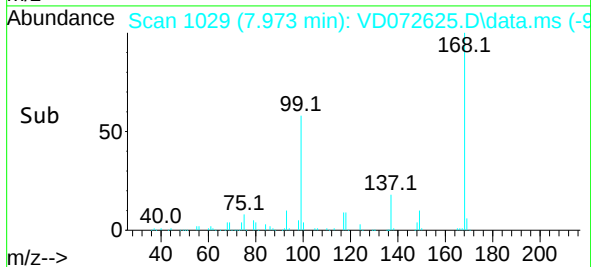
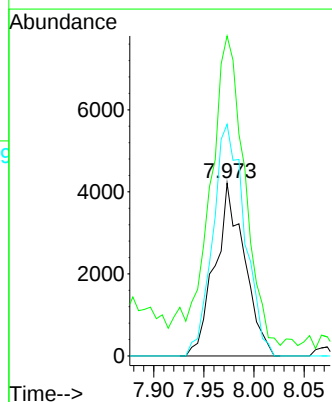
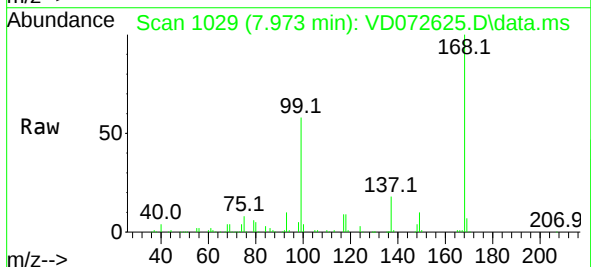
Instrument :
MSVOA_D
ClientSampleId :
124035

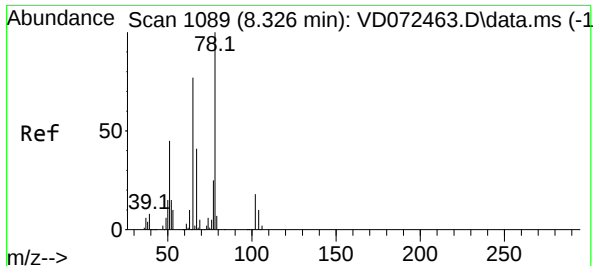
Tgt Ion: 43 Resp: 1997
Ion Ratio Lower Upper
43 100
72 23.8 18.6 27.8



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 56 Resp: 8634
Ion Ratio Lower Upper
56 100
69 179.0 25.4 38.2#
84 134.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.261 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072625.D

Acq: 19 Apr 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

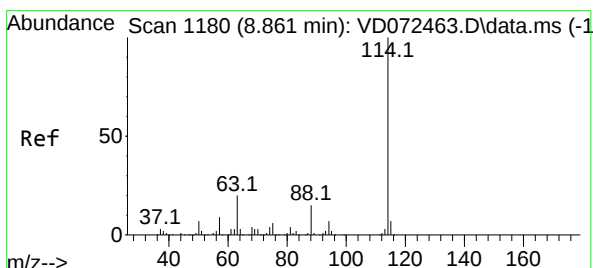
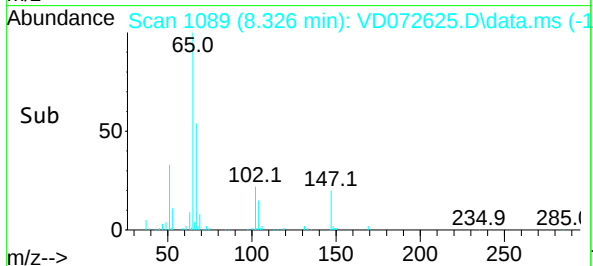
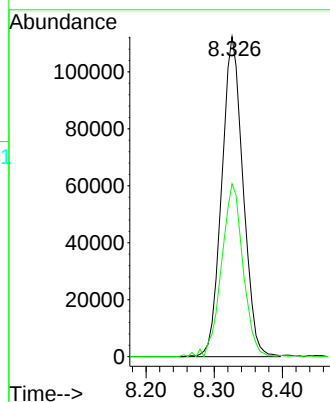
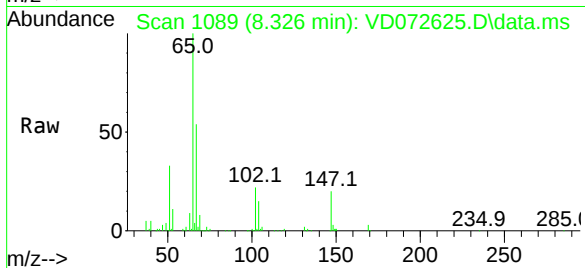
124035

Tgt Ion: 65 Resp: 244104

Ion Ratio Lower Upper

65 100

67 54.7 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: VD072625.D

Acq: 19 Apr 2022 15:22

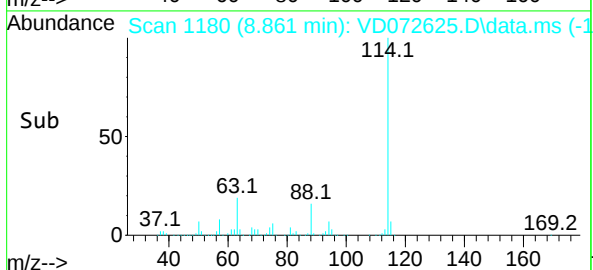
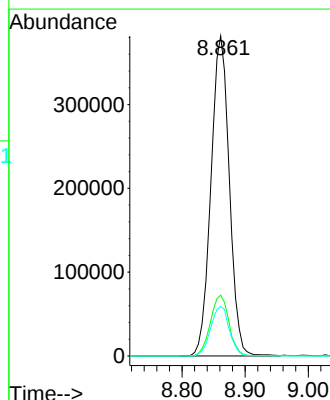
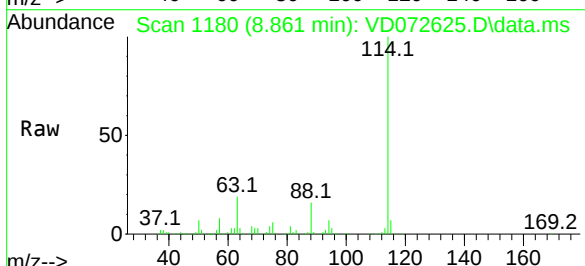
Tgt Ion: 114 Resp: 771713

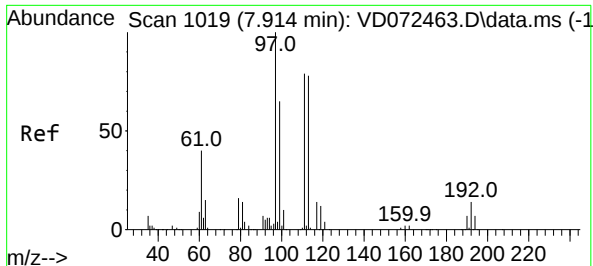
Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

88 15.5 0.0 33.2

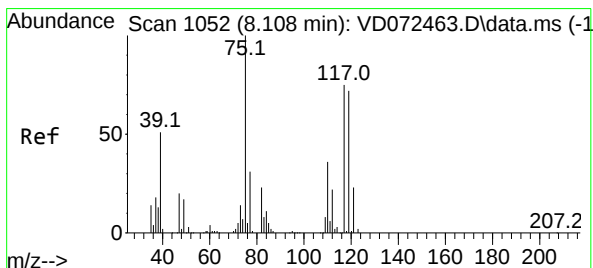
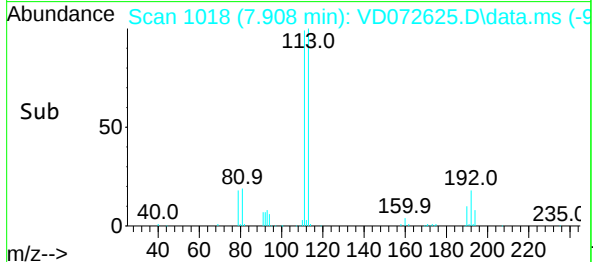
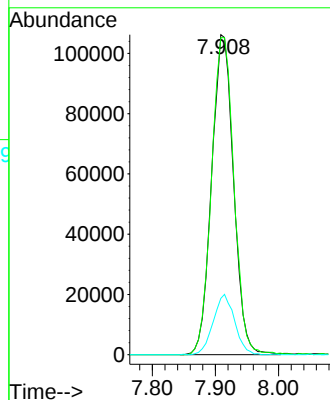
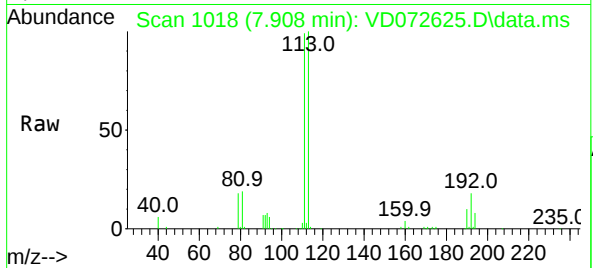




#35
Dibromofluoromethane
Concen: 42.706 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

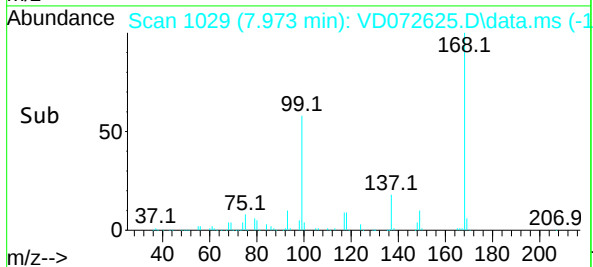
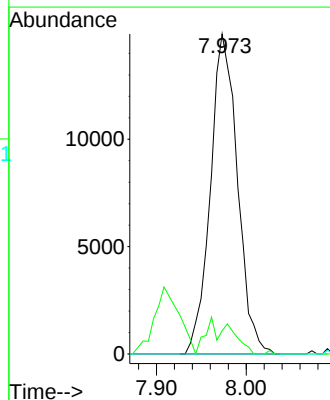
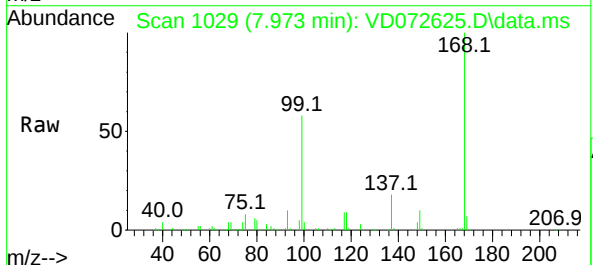
Instrument :
MSVOA_D
ClientSampleId :
124035

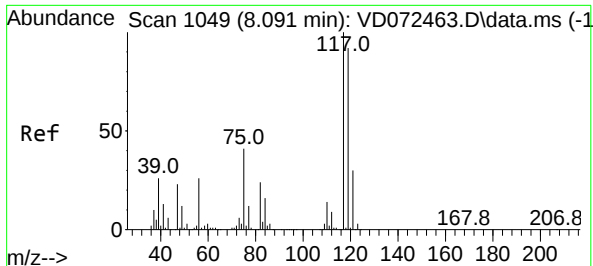
Tgt Ion:113 Resp: 256118
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.4 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 75 Resp: 31234
Ion Ratio Lower Upper
75 100
110 4.5 16.4 49.1#
77 0.0 24.2 36.2#

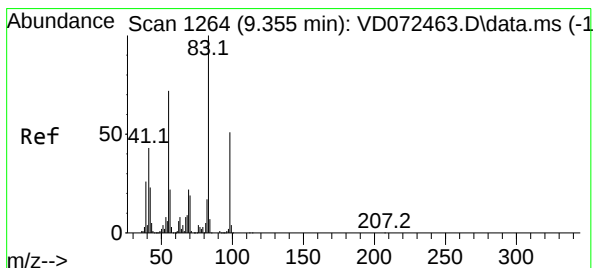
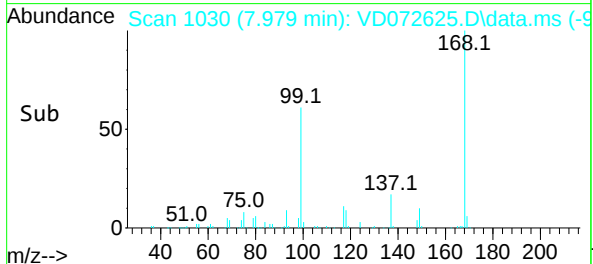
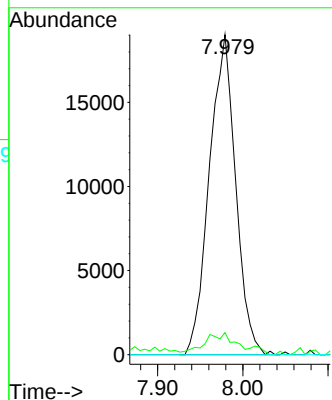
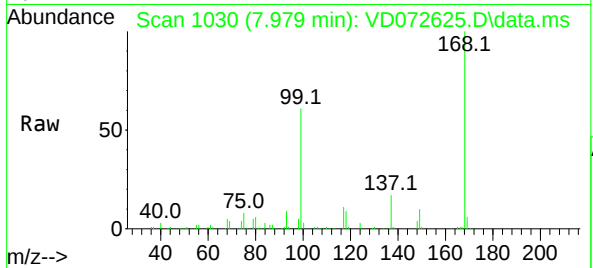




#38
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

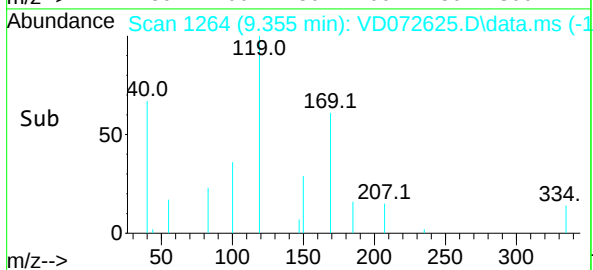
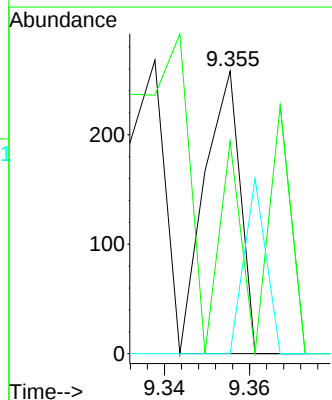
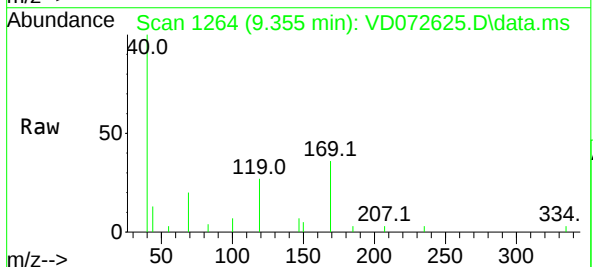
Instrument :
MSVOA_D
ClientSampleId :
124035

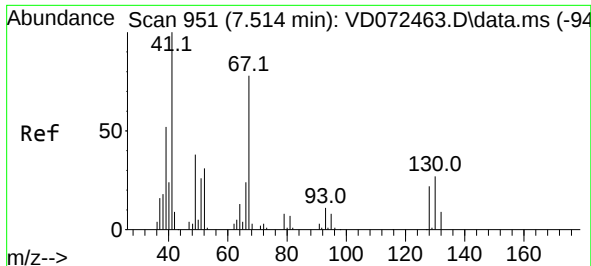
Tgt Ion: 117 Resp: 40767
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.892 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 83 Resp: 150
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

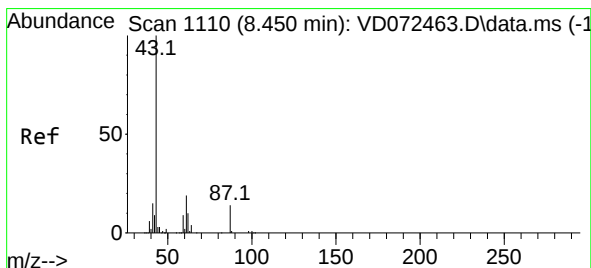
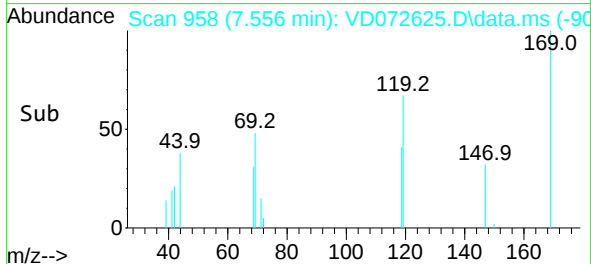
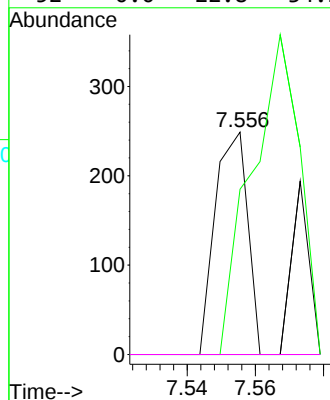
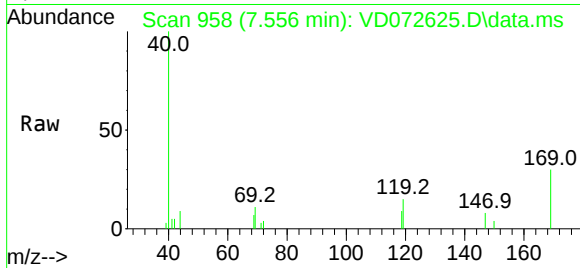




#41
Methacrylonitrile
Concen: 1.743 ug/l
RT: 7.556 min Scan# 91
Delta R.T. 0.042 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

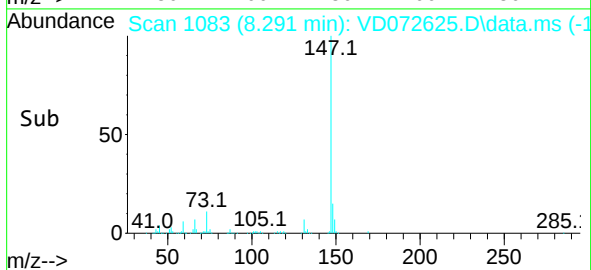
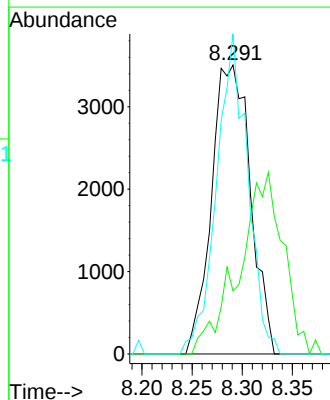
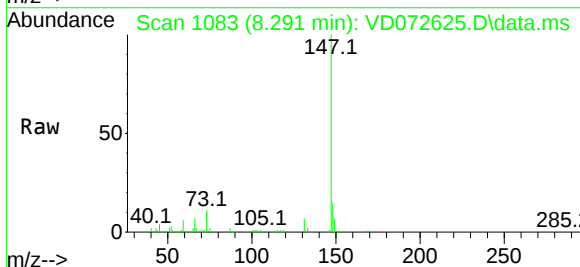
Instrument :
MSVOA_D
ClientSampleId :
124035

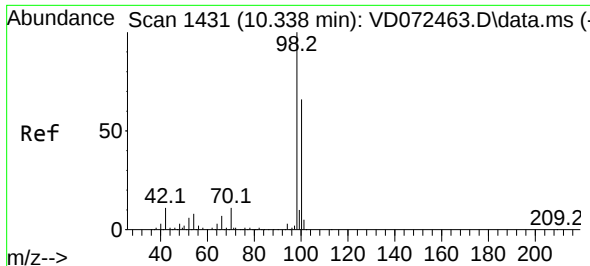
Tgt Ion: 41	Resp:	164
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 1.550 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 43	Resp:	9448
Ion	Ratio	Lower Upper
43	100	
61	0.0	22.4 33.6#
87	88.9	8.7 13.1#

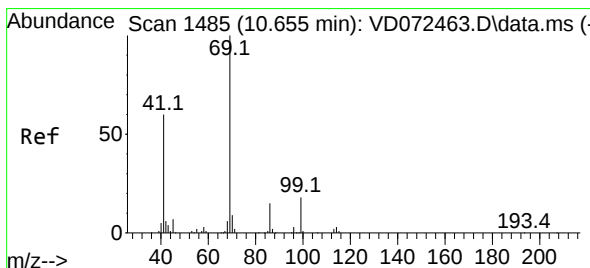
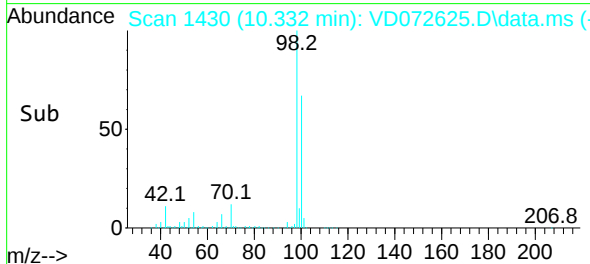
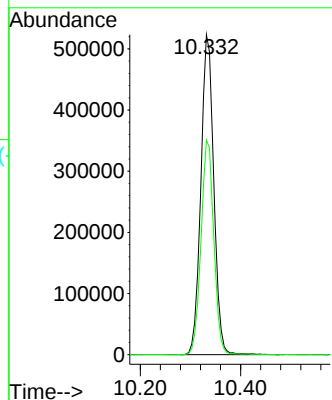
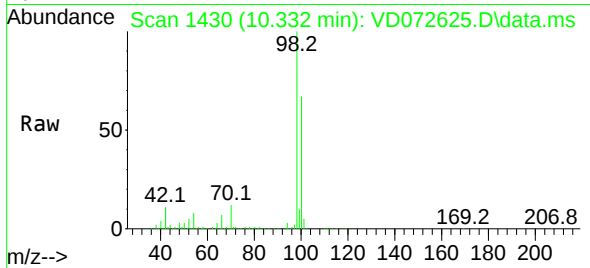




#50
Toluene-d8
Concen: 44.891 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

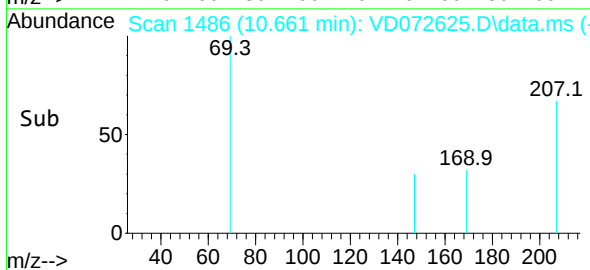
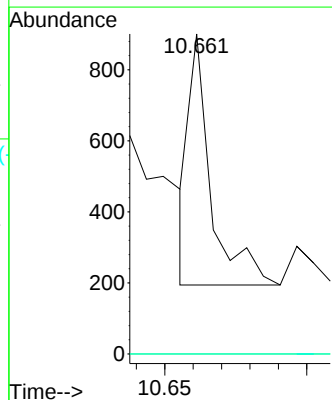
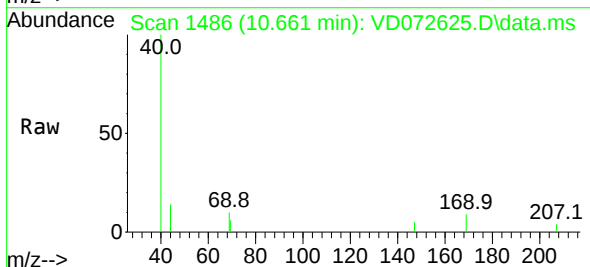
Instrument :
MSVOA_D
ClientSampleId :
124035

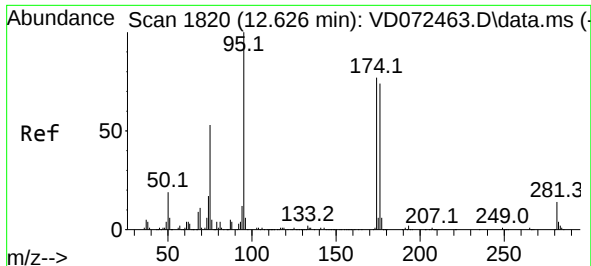
Tgt Ion: 98 Resp: 935838
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.255 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 69 Resp: 375
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

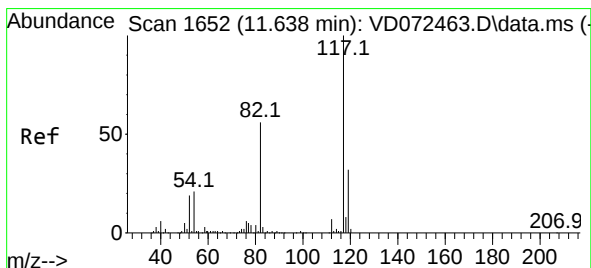
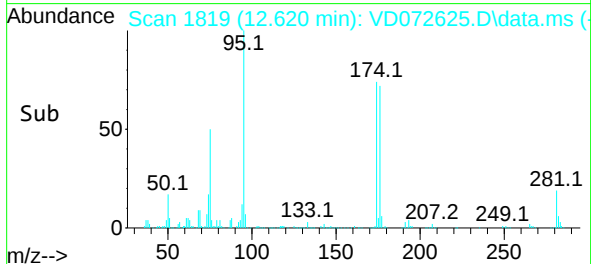
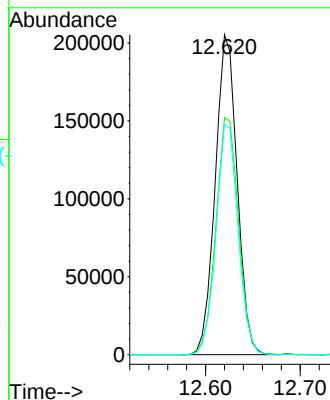
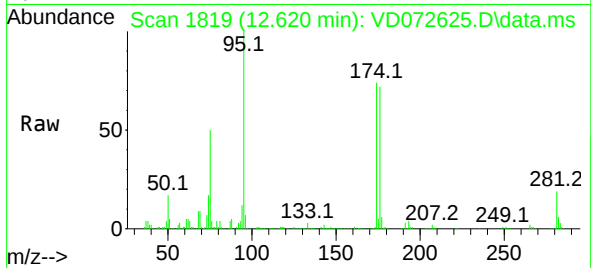




#62
4-Bromofluorobenzene
Concen: 40.638 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

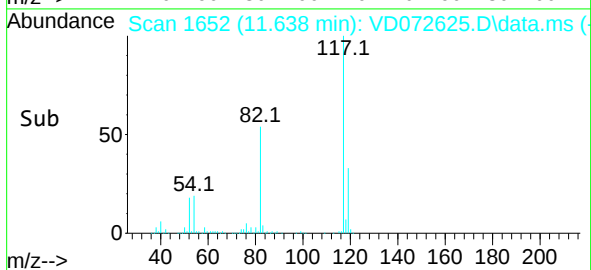
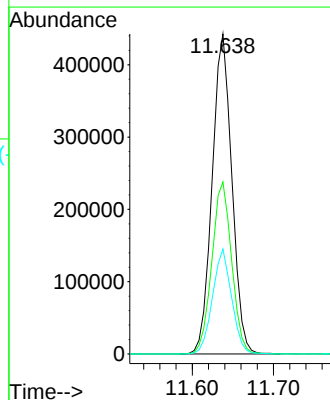
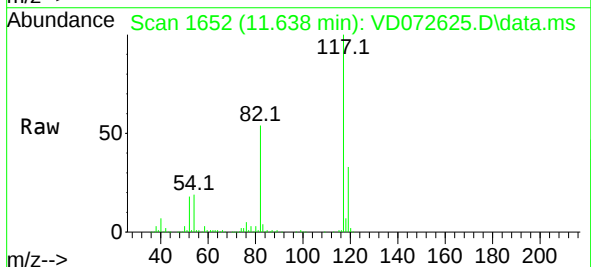
Instrument :
MSVOA_D
ClientSampleId :
124035

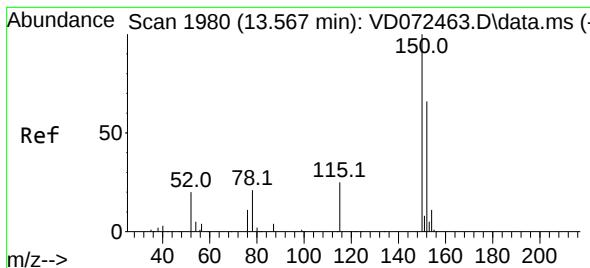
Tgt Ion: 95 Resp: 330861
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 72.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072625.D
Acq: 19 Apr 2022 15:22

Tgt Ion: 117 Resp: 746038
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 32.8 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD072625.D

Acq: 19 Apr 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

124035

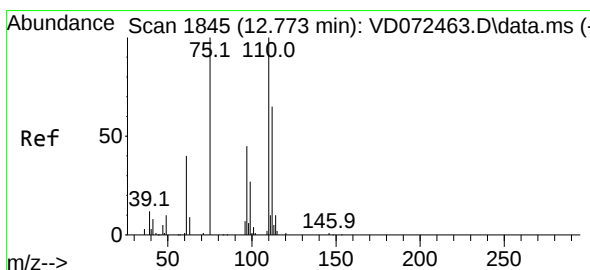
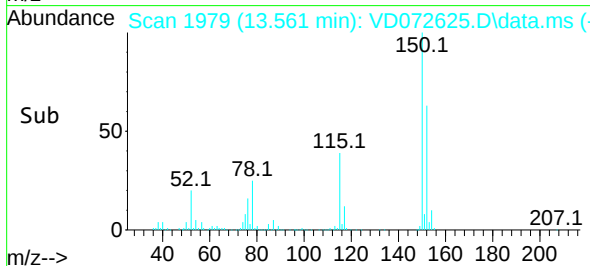
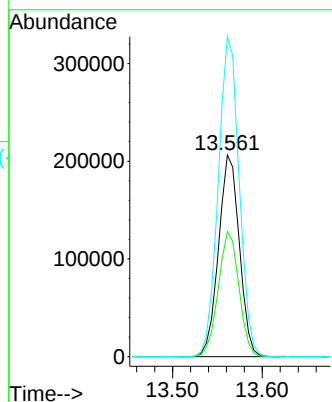
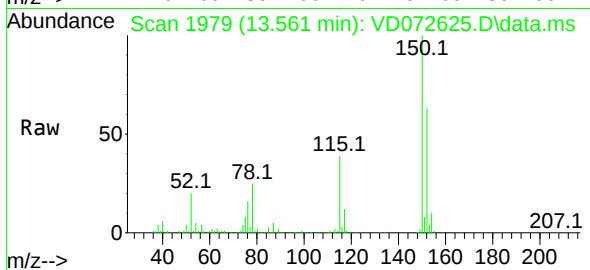
Tgt Ion:152 Resp: 332258

Ion Ratio Lower Upper

152 100

115 61.8 31.3 93.8

150 159.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 45.444 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072625.D

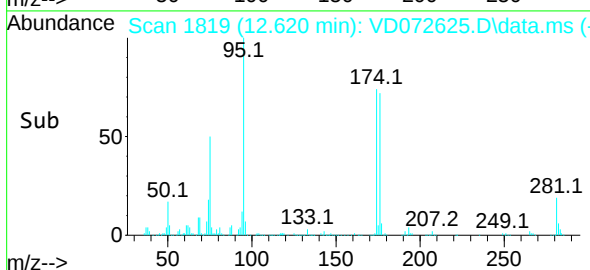
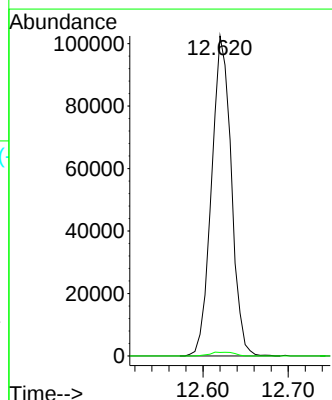
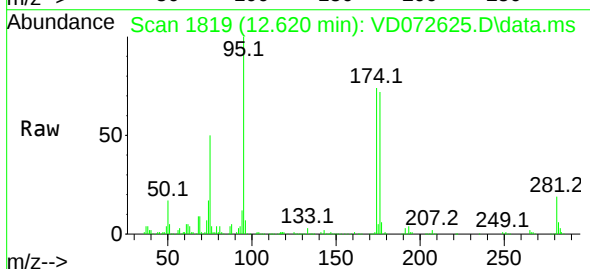
Acq: 19 Apr 2022 15:22

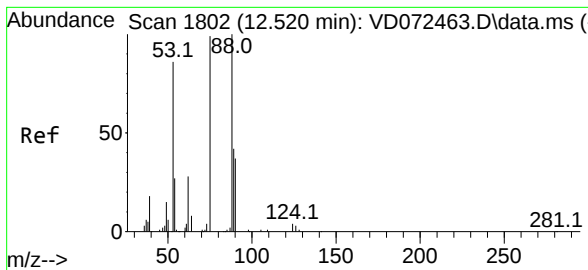
Tgt Ion: 75 Resp: 164681

Ion Ratio Lower Upper

75 100

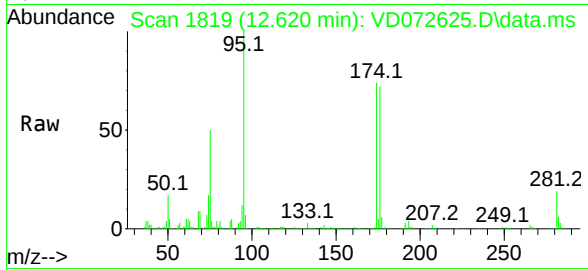
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.511 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072625.D
 Acq: 19 Apr 2022 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 124035



Tgt Ion: 75 Resp: 164681
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.2 33.9 50.9#

