

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071747.D
 Acq On : 19 Jan 2022 16:38
 Operator : VA/SY
 Sample : N1182-01RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 04:59:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

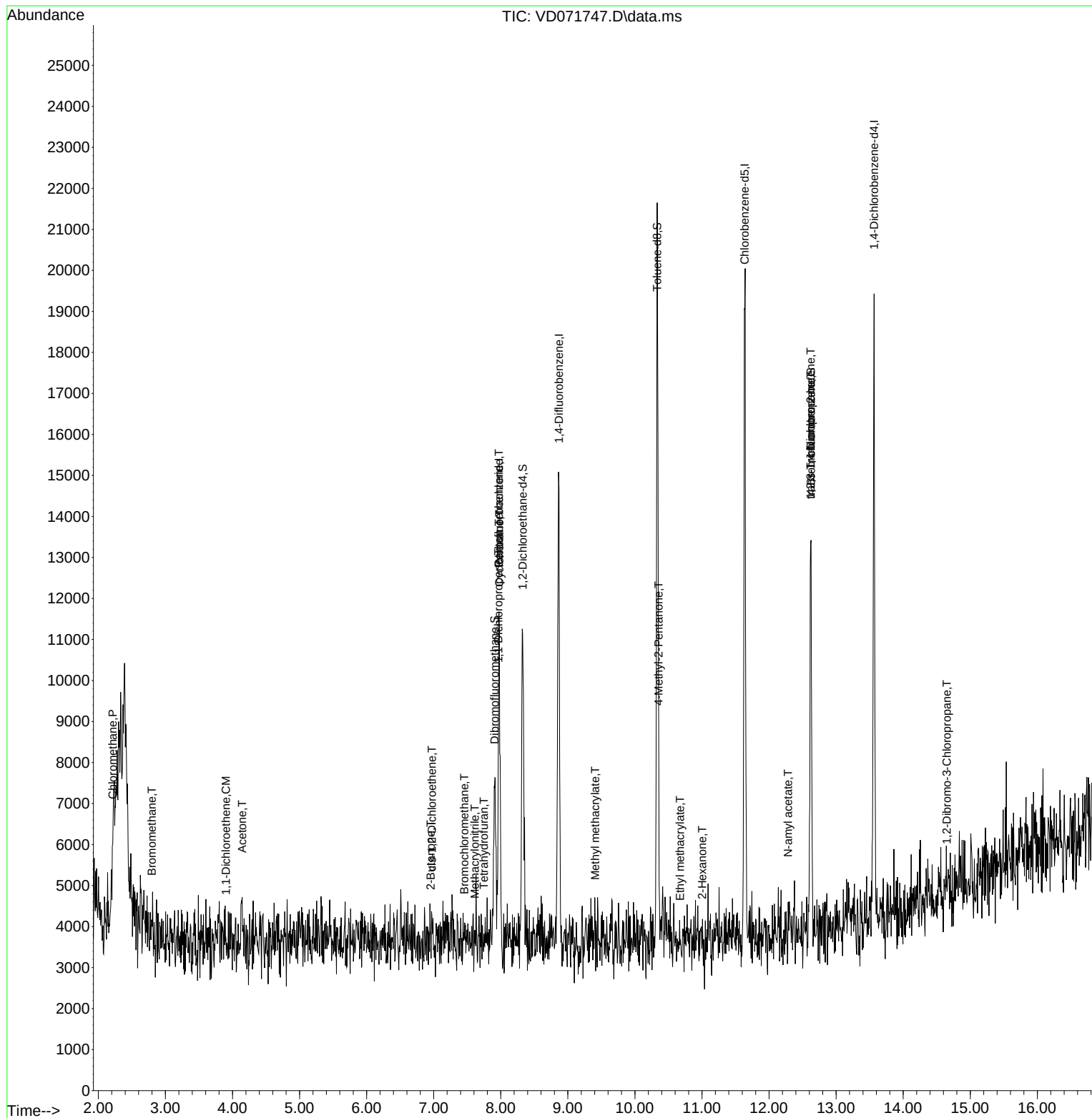
Internal Standards						
1) Pentafluorobenzene	7.973	168	5699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	9280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5954	81.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.380%			
35) Dibromofluoromethane	7.908	113	3118	50.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.680%			
50) Toluene-d8	10.332	98	10845	47.239	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.480%			
62) 4-Bromofluorobenzene	12.626	95	3406	42.103	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.200%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	177	2.129	ug/l #	43
5) Bromomethane	2.797	94	396	7.779	ug/l #	60
12) 1,1-Dichloroethene	3.903	96	64	1.256	ug/l #	1
16) Acetone	4.144	43	109	6.438	ug/l #	49
20) Methylene Chloride	4.691	84	60	Below Cal	#	1
25) 2-Butanone	6.955	43	57	2.850	ug/l #	56
27) cis-1,2-Dichloroethene	6.973	96	121	1.762	ug/l #	1
28) Bromochloromethane	7.455	49	63	1.042	ug/l #	22
29) Tetrahydrofuran	7.750	42	55	4.780	ug/l #	39
31) Cyclohexane	7.979	56	152	1.809	ug/l #	18
36) 1,1-Dichloropropene	7.967	75	337	3.852	ug/l #	43
38) Carbon Tetrachloride	7.973	117	470	5.305	ug/l #	14
41) Methacrylonitrile	7.614	41	56	3.317	ug/l #	25
48) Methyl methacrylate	9.408	41	178	4.609	ug/l #	41
51) 4-Methyl-2-Pentanone	10.355	43	210	5.202	ug/l	94
56) Ethyl methacrylate	10.673	69	63	1.176	ug/l #	58
59) 2-Hexanone	11.002	43	70	2.482	ug/l #	29
74) N-amyl acetate	12.285	43	70	1.202	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	2044	64.023	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	2044	178.490	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.649	75	57	8.429	ug/l #	9

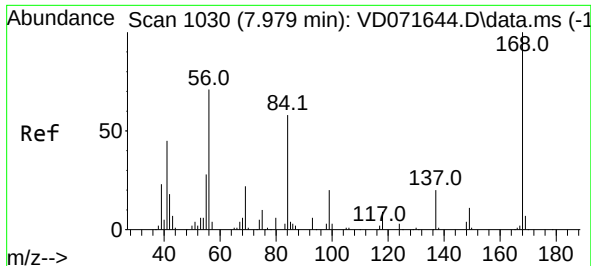
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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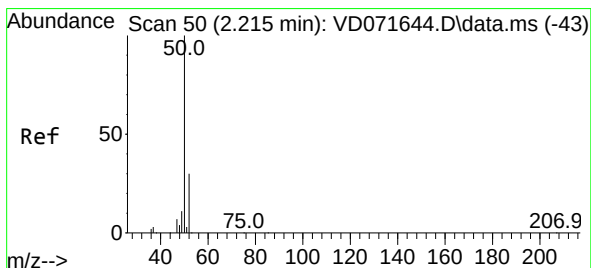
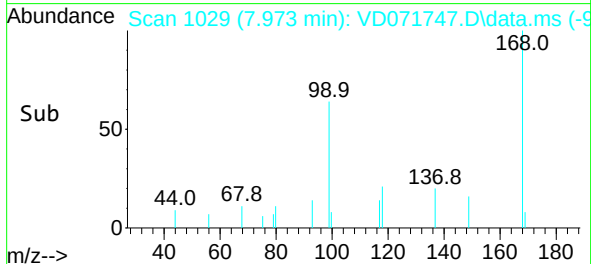
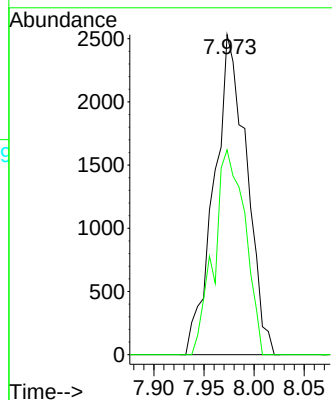
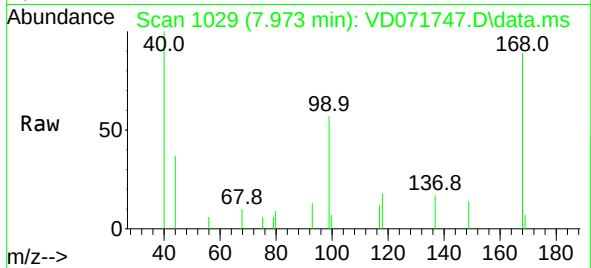




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

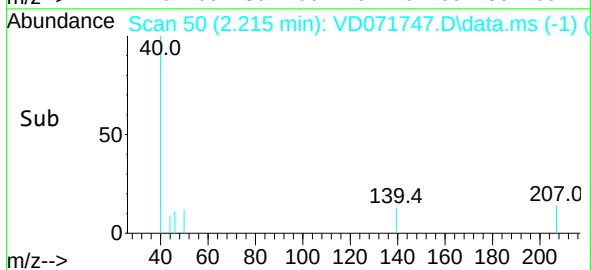
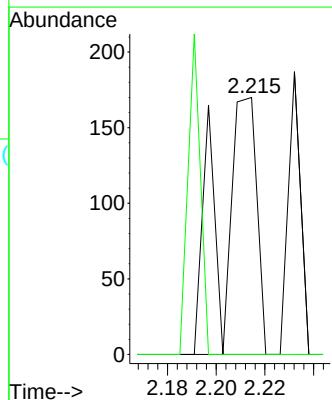
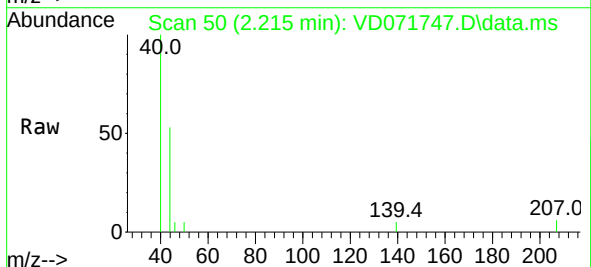
Instrument :
MSVOA_D
ClientSampleId :

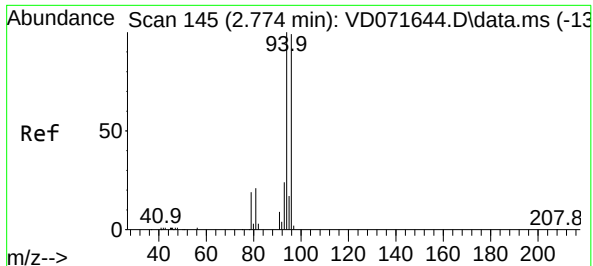
Tgt Ion:168 Resp: 5699
Ion Ratio Lower Upper
168 100
99 64.0 51.8 77.6



#3
Chloromethane
Concen: 2.129 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.001 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 50 Resp: 177
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

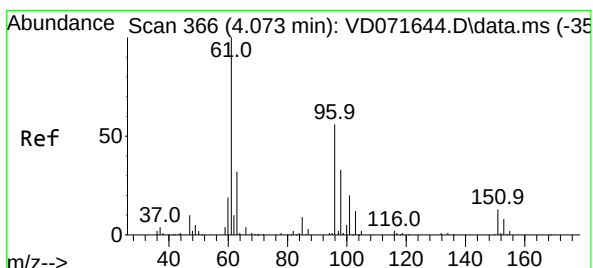
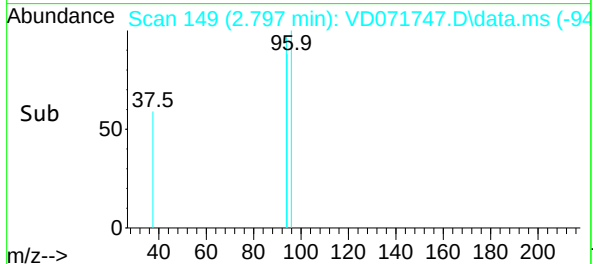
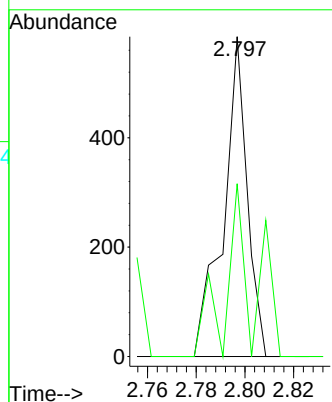
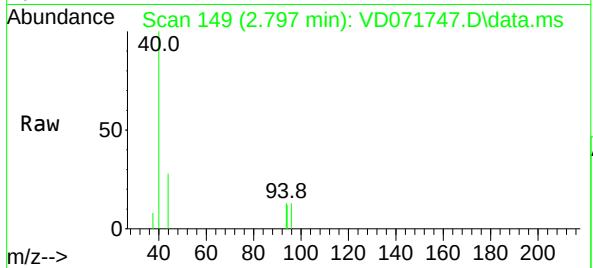




#5
Bromomethane
Concen: 7.779 ug/l
RT: 2.797 min Scan# 14
Delta R.T. 0.024 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

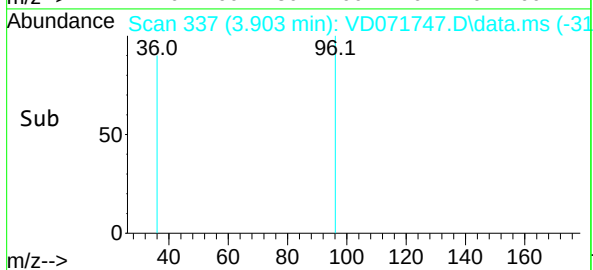
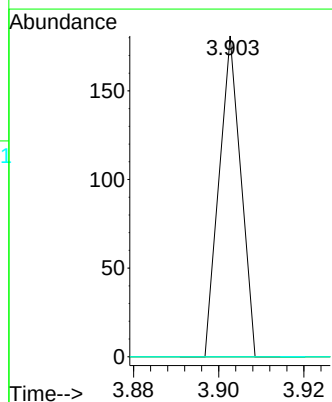
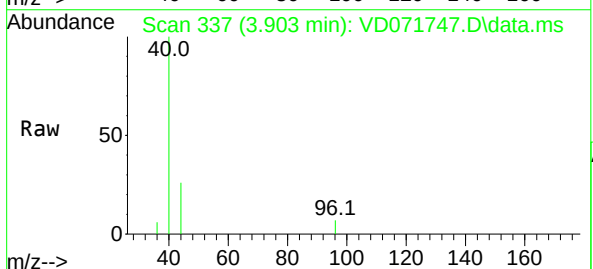
Instrument :
MSVOA_D
ClientSampleId :

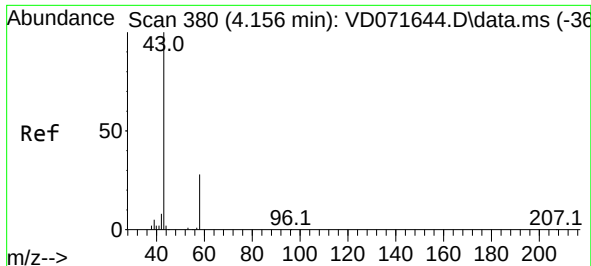
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 54.0 73.7 110.5#



#12
1,1-Dichloroethene
Concen: 1.256 ug/l
RT: 3.903 min Scan# 337
Delta R.T. -0.176 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 137.8 206.8#
98 0.0 48.3 72.5#

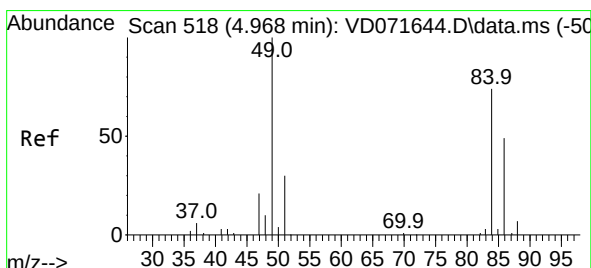
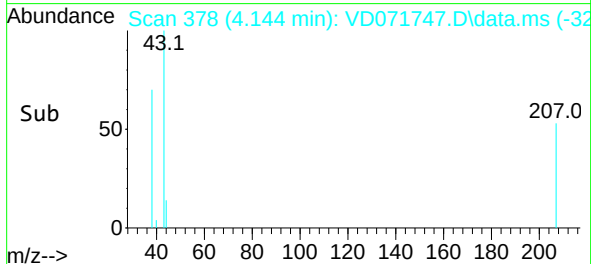
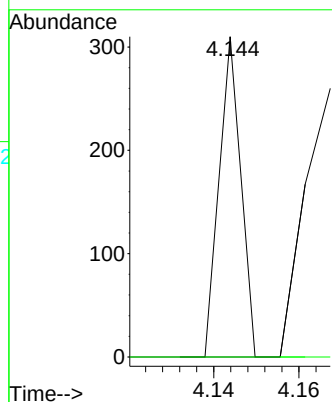
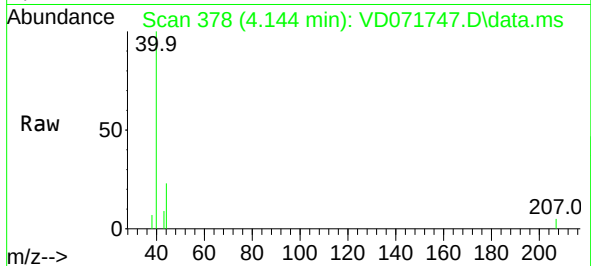




#16
Acetone
Concen: 6.438 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.011 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

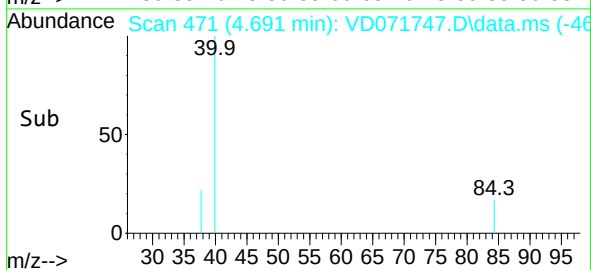
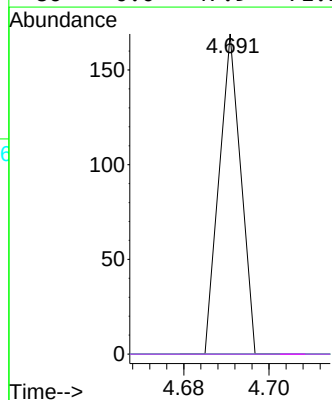
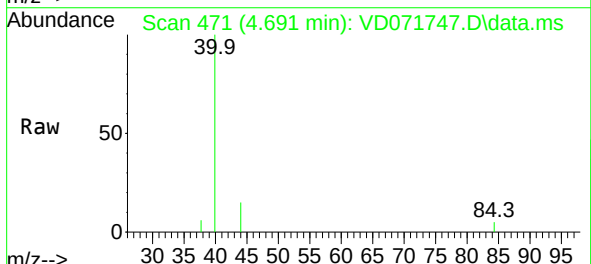
Instrument :
MSVOA_D
ClientSampleId :

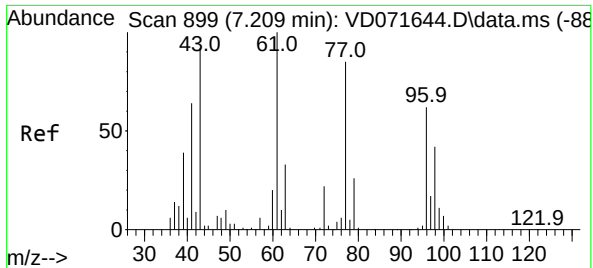
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.691 min Scan# 471
Delta R.T. -0.276 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 118.6 178.0#
51 0.0 37.8 56.6#
86 0.0 47.9 71.9#

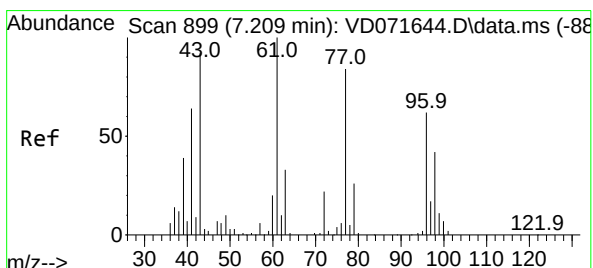
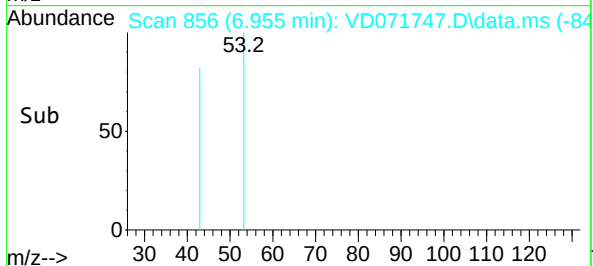
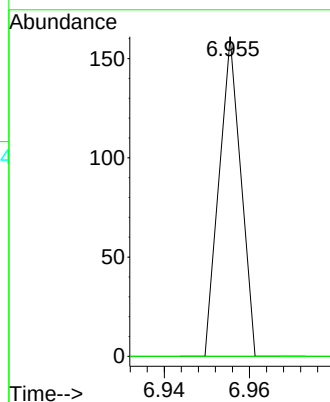
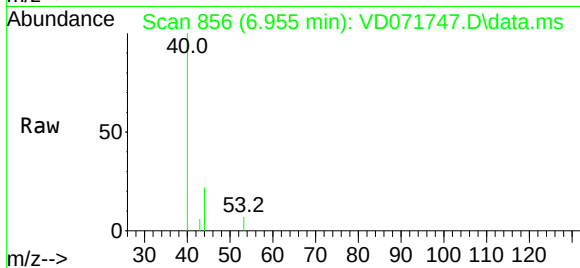




#25
2-Butanone
Concen: 2.850 ug/l
RT: 6.955 min Scan# 81
Delta R.T. -0.253 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

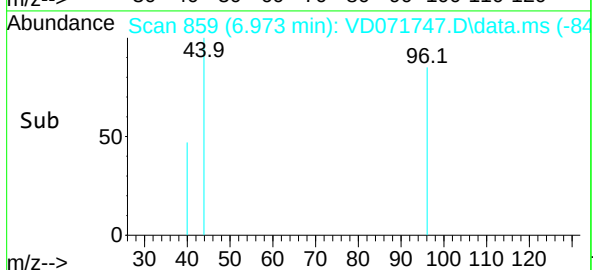
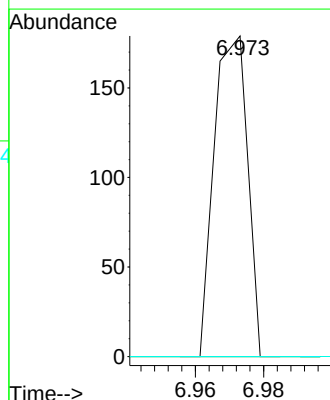
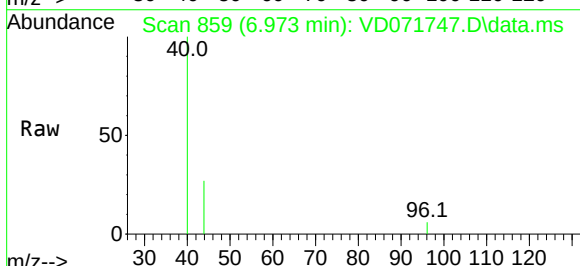
Instrument :
MSVOA_D
ClientSampleId :

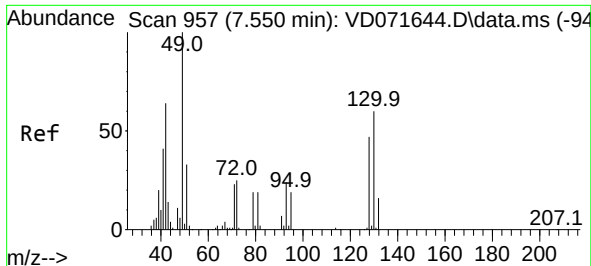
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 1.762 ug/l
RT: 6.973 min Scan# 859
Delta R.T. -0.241 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

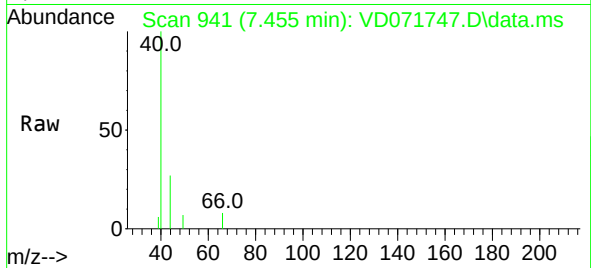
Tgt Ion: 96 Resp: 121
Ion Ratio Lower Upper
96 100
61 0.0 0.0 322.8
98 0.0 0.0 130.8



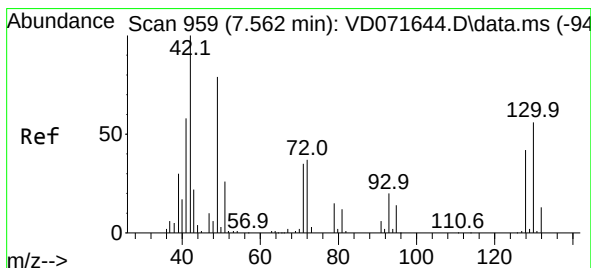
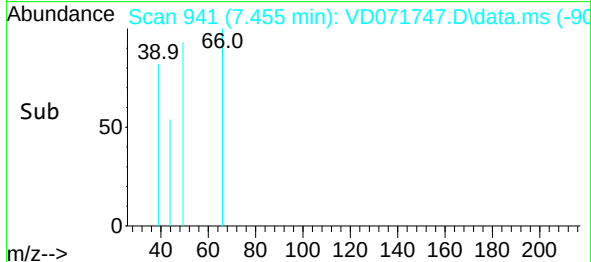
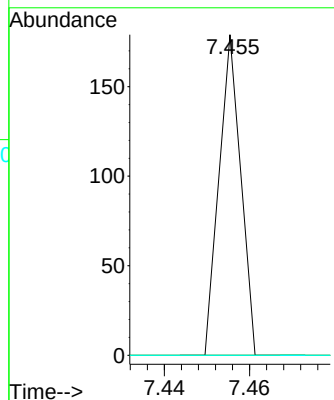


#28
Bromochloromethane
Concen: 1.042 ug/l
RT: 7.455 min Scan# 941
Delta R.T. -0.094 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

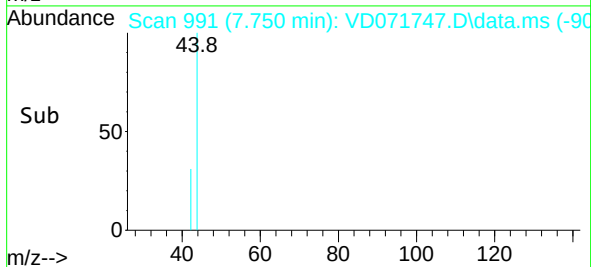
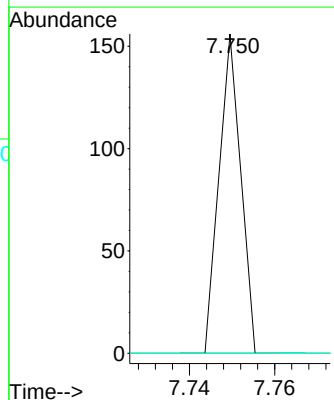
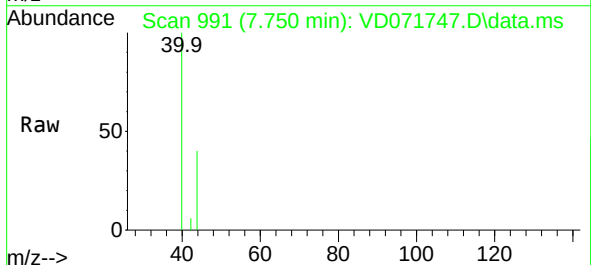


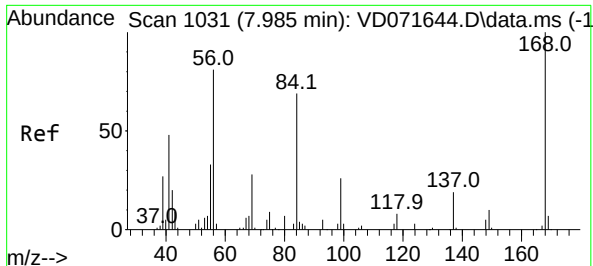
Tgt Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 48.9 73.3#



#29
Tetrahydrofuran
Concen: 4.780 ug/l
RT: 7.750 min Scan# 991
Delta R.T. 0.189 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
72 0.0 29.6 44.4#
71 0.0 27.3 40.9#





#31

Cyclohexane

Concen: 1.809 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

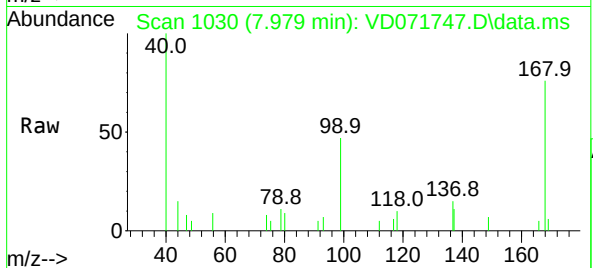
Lab File: VD071747.D

Acq: 19 Jan 2022 16:38

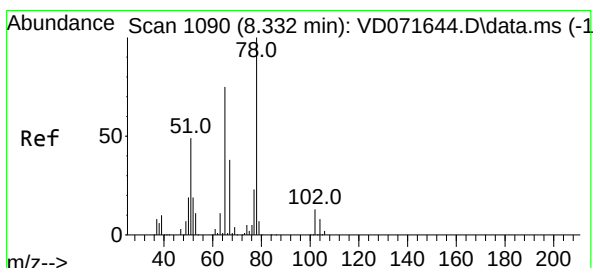
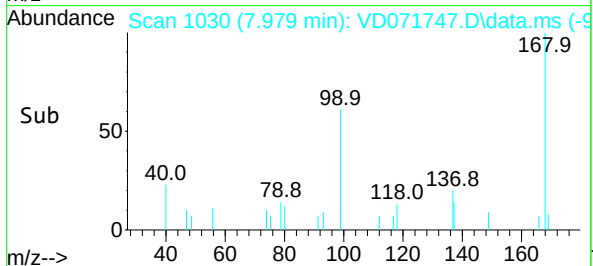
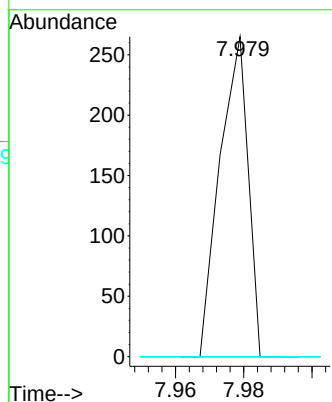
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 152
Ion Ratio	Lower Upper
56	100
69	0.0 21.7 32.5#
84	0.0 65.7 98.5#



#33

1,2-Dichloroethane-d4

Concen: 81.195 ug/l

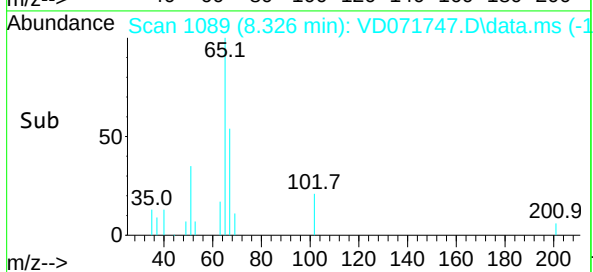
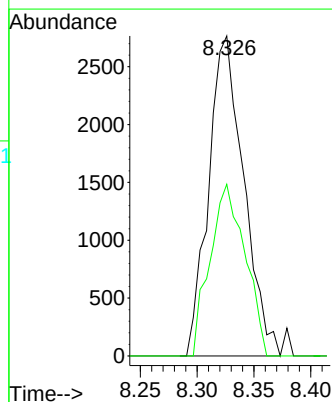
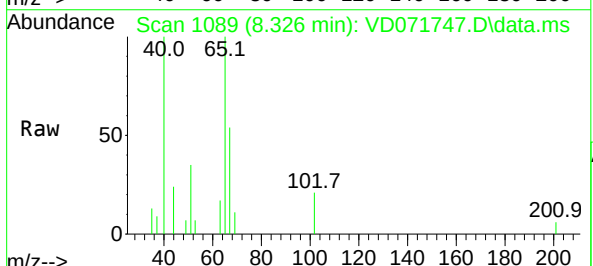
RT: 8.326 min Scan# 1089

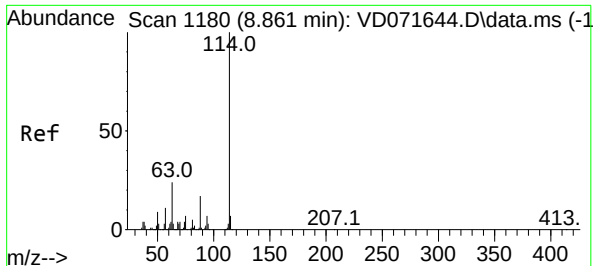
Delta R.T. -0.006 min

Lab File: VD071747.D

Acq: 19 Jan 2022 16:38

Tgt Ion: 65	Resp: 5954
Ion Ratio	Lower Upper
65	100
67	53.6 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071747.D

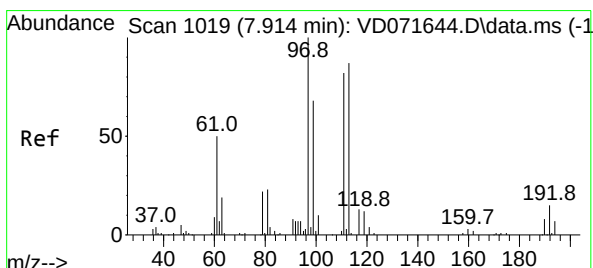
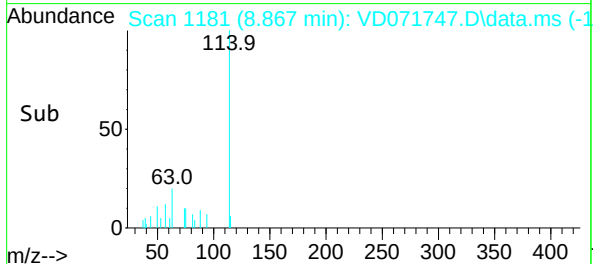
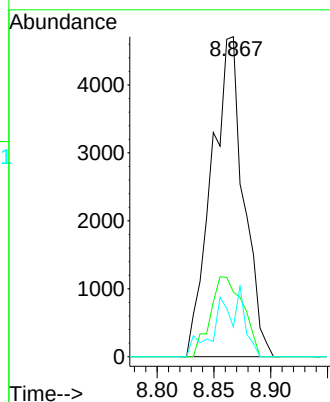
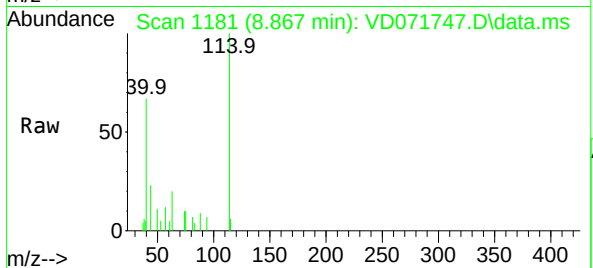
Acq: 19 Jan 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	9280
Ion Ratio	Lower	Upper
114	100	
63	20.3	0.0 46.2
88	9.3	0.0 32.0



#35

Dibromofluoromethane

Concen: 50.840 ug/l

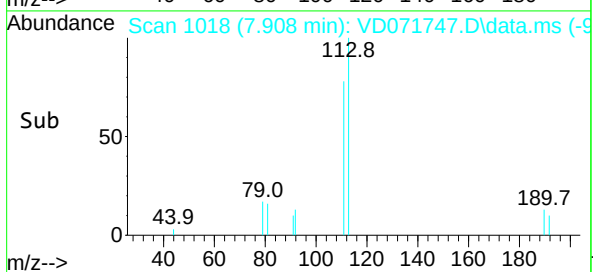
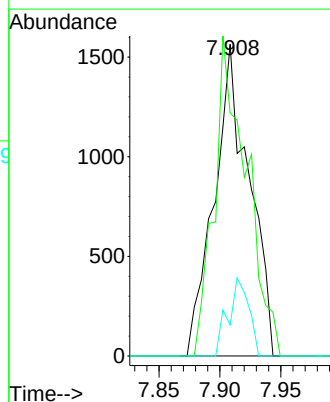
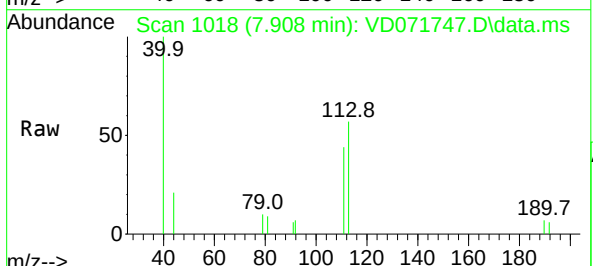
RT: 7.908 min Scan# 1018

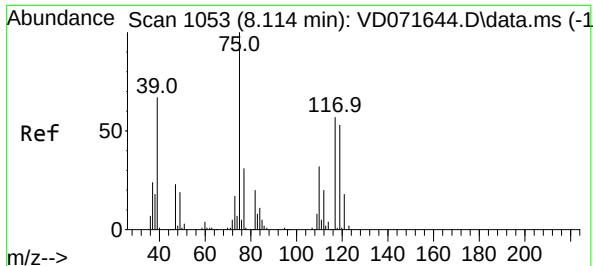
Delta R.T. -0.006 min

Lab File: VD071747.D

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Tgt Ion:113	Resp:	3118
Ion Ratio	Lower	Upper
113	100	
111	95.0	82.2 123.4
192	14.8	14.2 21.2





#36

1,1-Dichloropropene

Concen: 3.852 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071747.D

Acq: 19 Jan 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

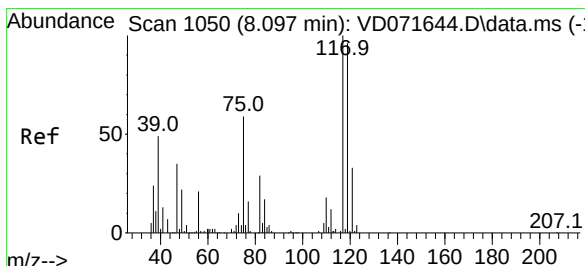
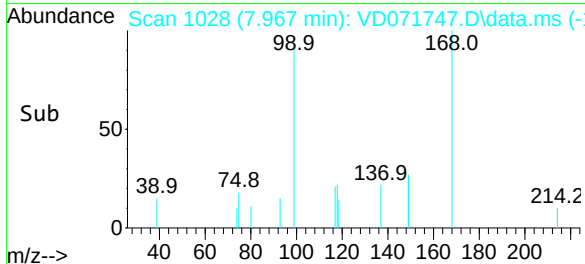
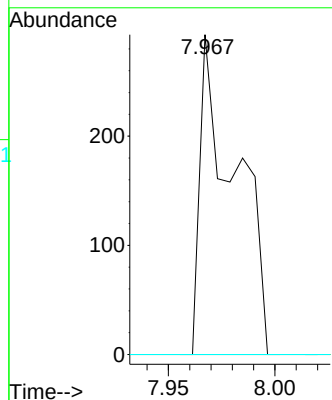
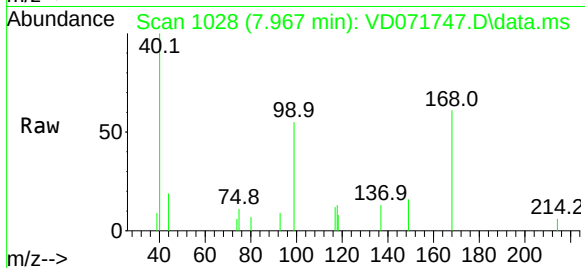
Tgt Ion: 75 Resp: 337

Ion Ratio Lower Upper

75 100

110 0.0 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.305 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD071747.D

Acq: 19 Jan 2022 16:38

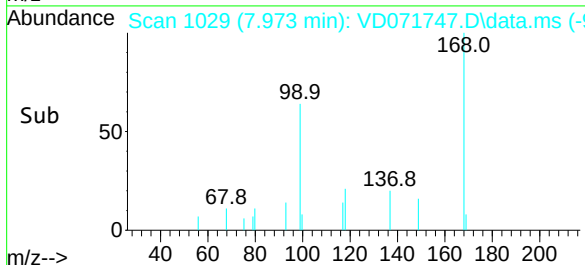
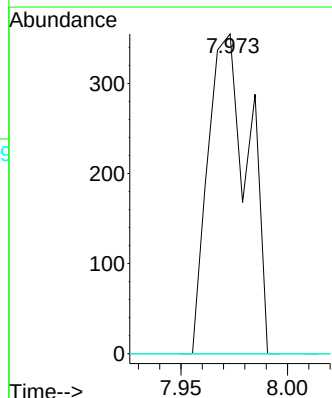
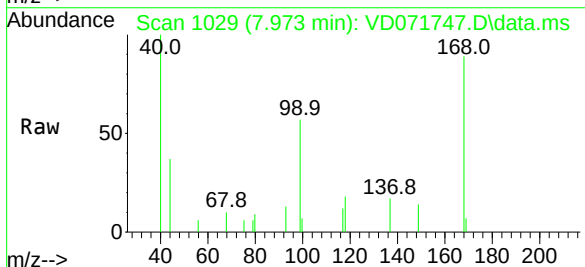
Tgt Ion: 117 Resp: 470

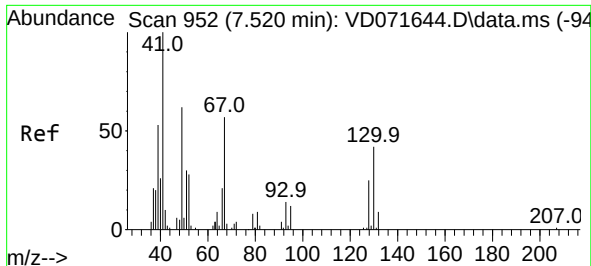
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

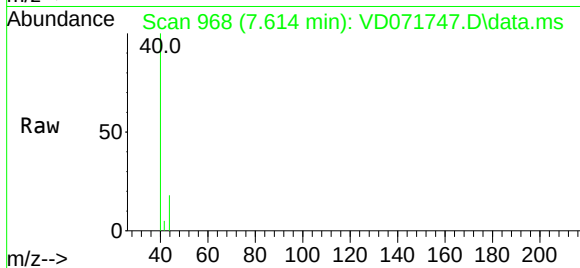
121 0.0 23.9 35.9#



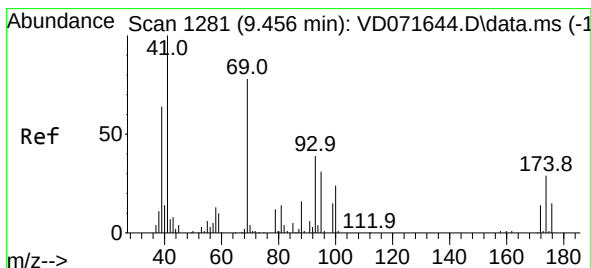
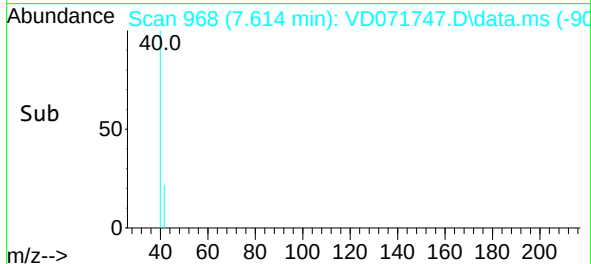
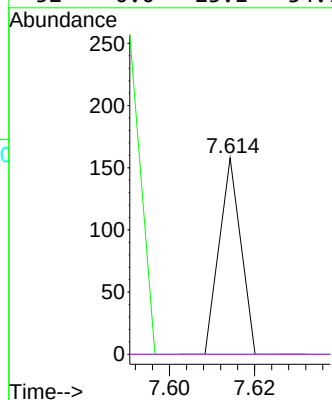


#41
Methacrylonitrile
Concen: 3.317 ug/l
RT: 7.614 min Scan# 90
Delta R.T. 0.094 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

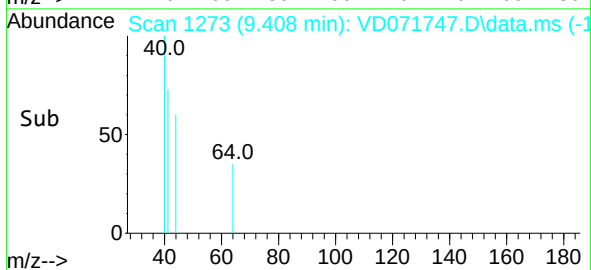
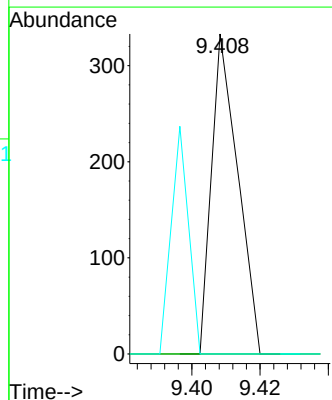
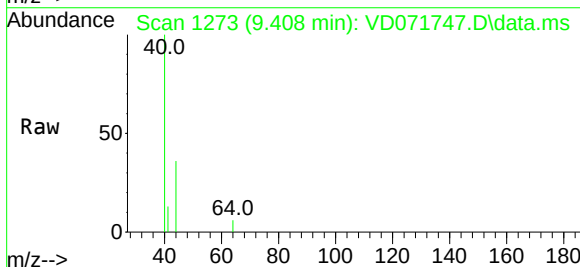


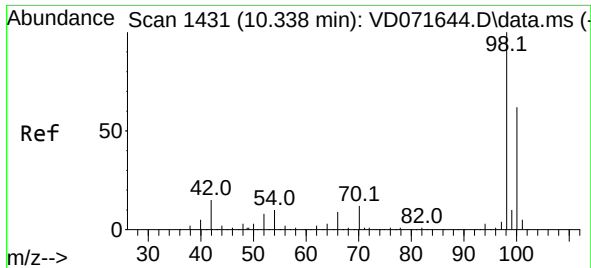
Tgt Ion: 41	Resp: 56
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#48
Methyl methacrylate
Concen: 4.609 ug/l
RT: 9.408 min Scan# 1273
Delta R.T. -0.047 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 41	Resp: 178
Ion Ratio	Lower Upper
41 100	
69 0.0	59.5 89.3#
39 47.2	56.0 84.0#

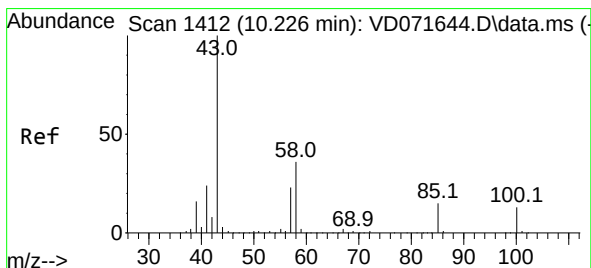
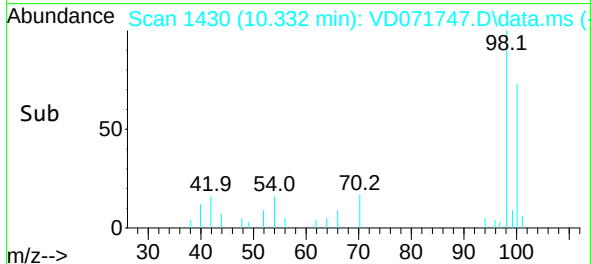
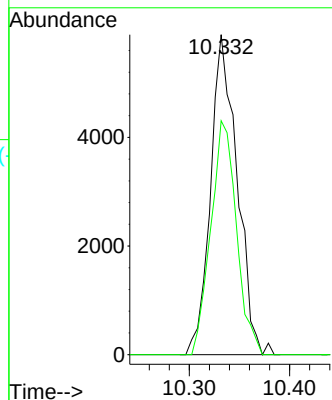
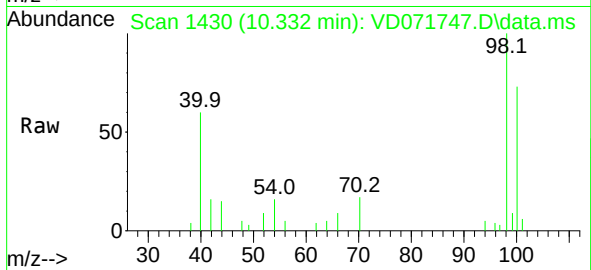




#50
Toluene-d8
Concen: 47.239 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

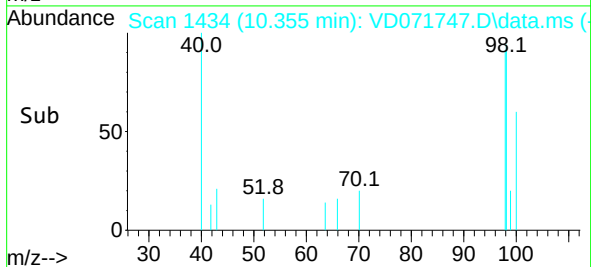
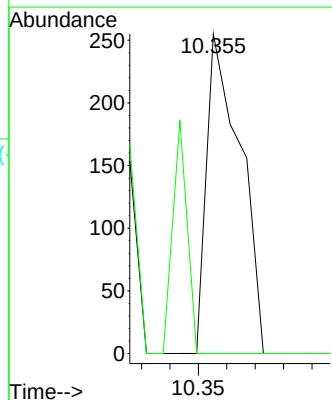
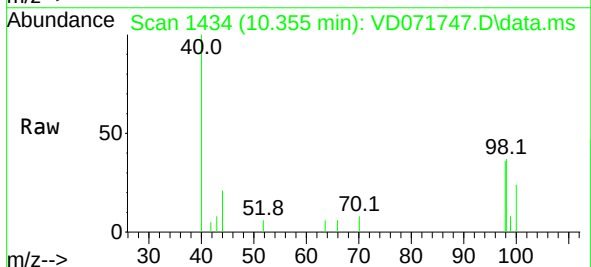
Instrument :
MSVOA_D
ClientSampleId :

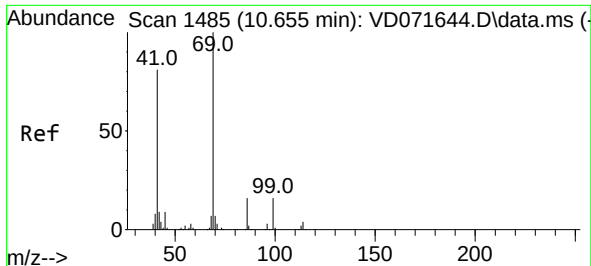
Tgt Ion: 98 Resp: 10845
Ion Ratio Lower Upper
98 100
100 70.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.202 ug/l
RT: 10.355 min Scan# 1434
Delta R.T. 0.129 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

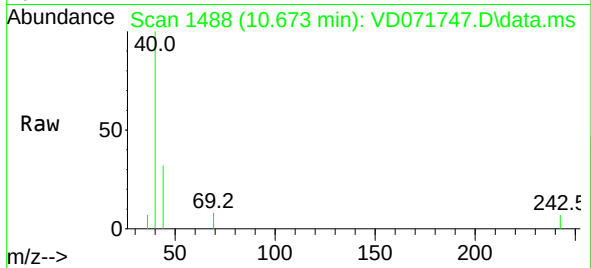
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 31.4 28.2 42.2



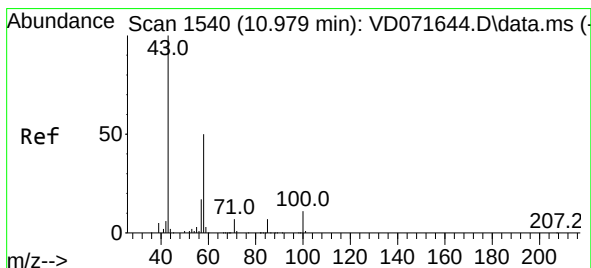
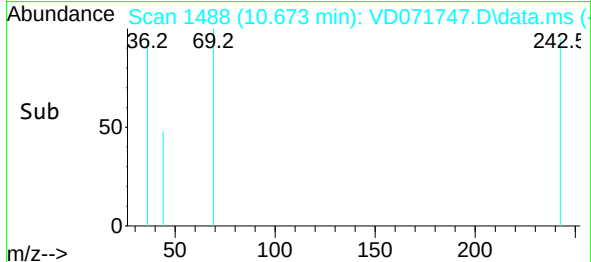
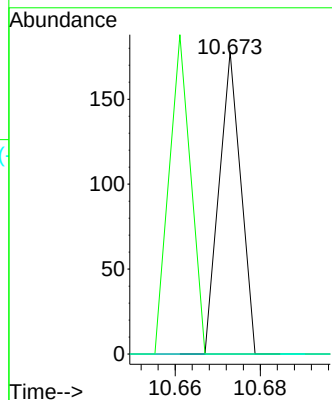


#56
Ethyl methacrylate
Concen: 1.176 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

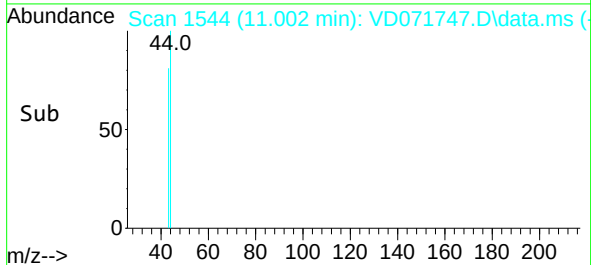
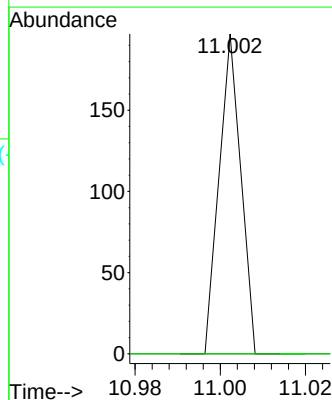
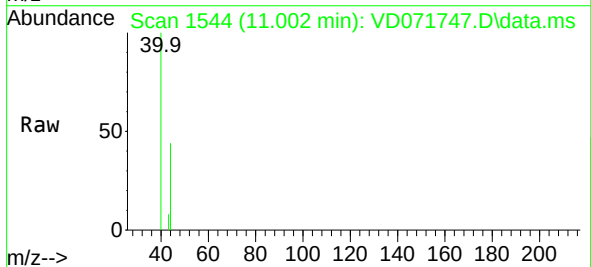


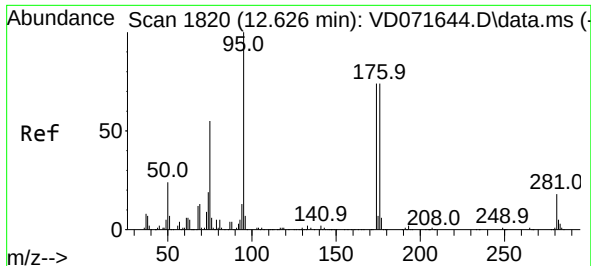
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 104.8 65.8 98.6#
39 0.0 38.7 58.1#



#59
2-Hexanone
Concen: 2.482 ug/l
RT: 11.002 min Scan# 1544
Delta R.T. 0.023 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

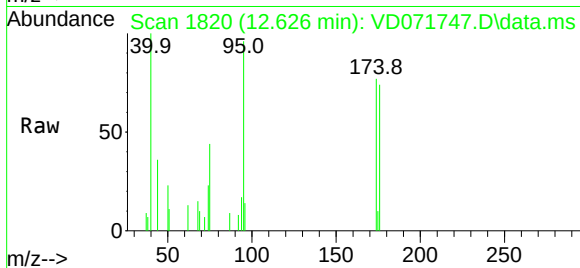
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.8#



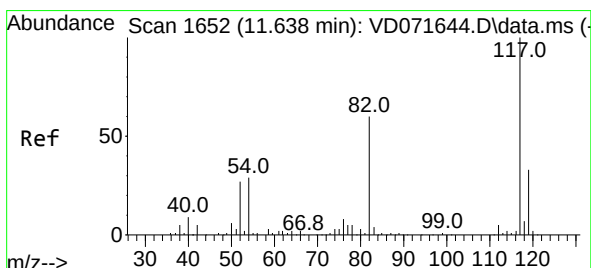
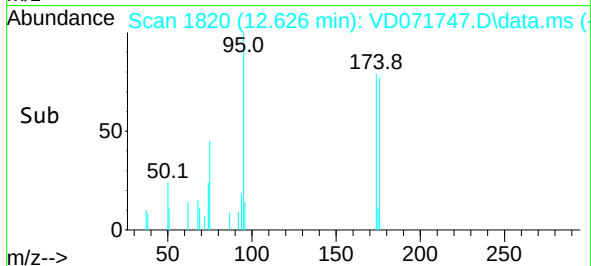
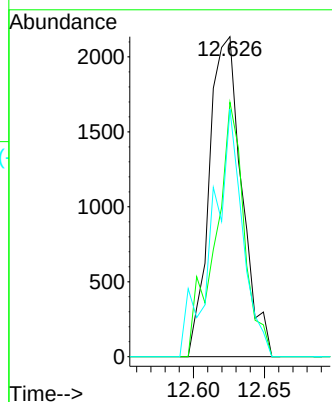


#62
4-Bromofluorobenzene
Concen: 42.103 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

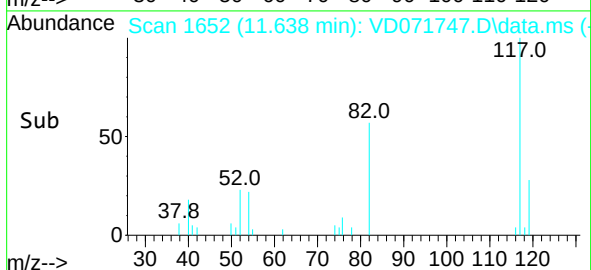
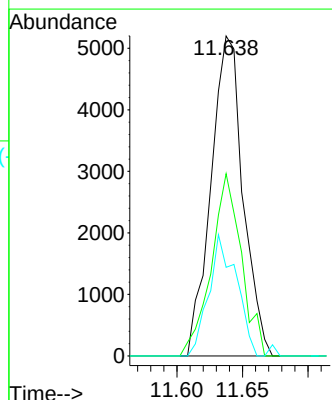
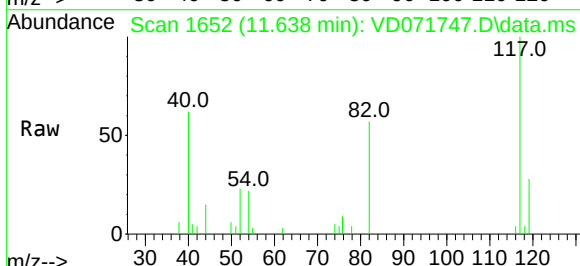


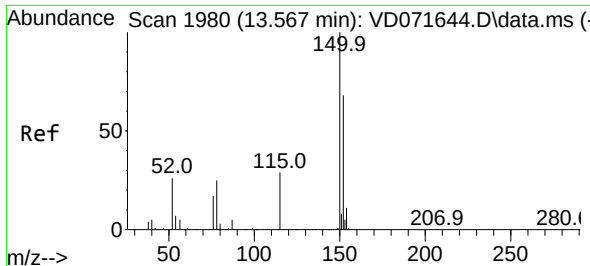
Tgt Ion: 95 Resp: 3406
Ion Ratio Lower Upper
95 100
174 70.0 0.0 150.0
176 71.2 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

Tgt Ion: 117 Resp: 8850
Ion Ratio Lower Upper
117 100
82 57.0 46.9 70.3
119 27.7 26.6 39.8

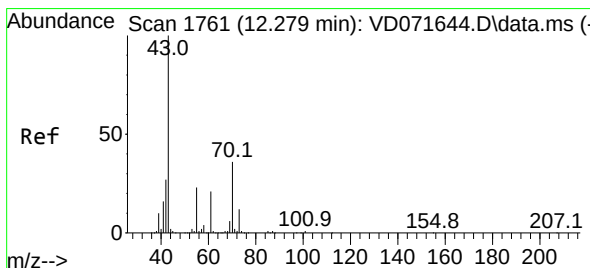
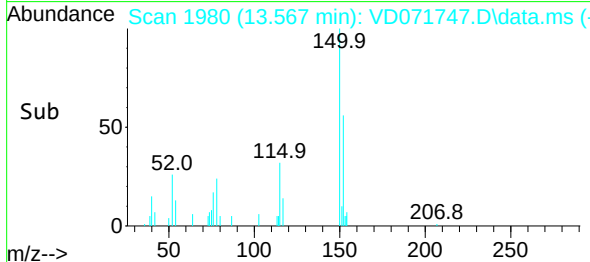
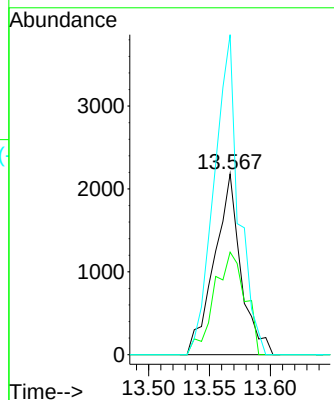
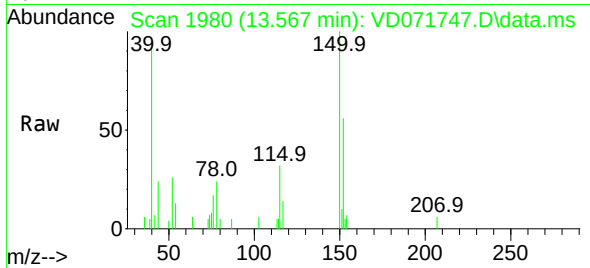




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071747.D
 Acq: 19 Jan 2022 16:38

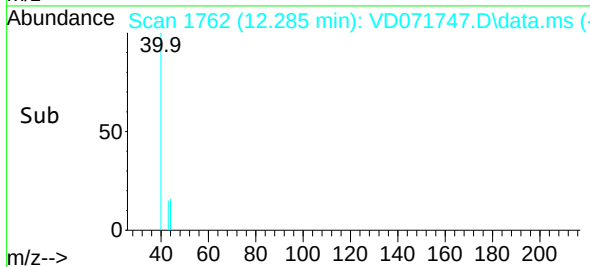
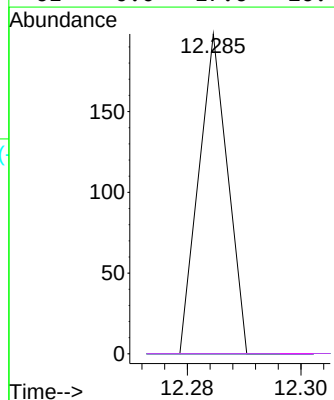
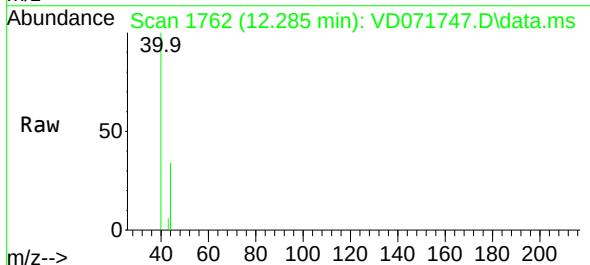
Instrument :
 MSVOA_D
 ClientSampleId :

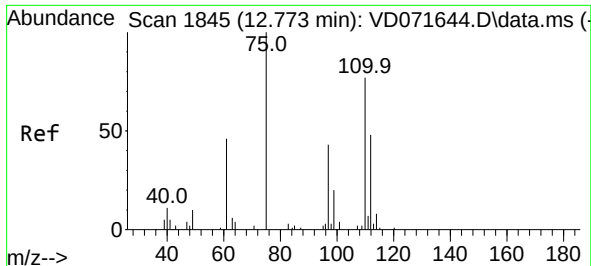
Tgt Ion:152 Resp: 3304
 Ion Ratio Lower Upper
 152 100
 115 66.4 31.5 94.5
 150 165.5 0.0 348.0



#74
 N-ethyl acetate
 Concen: 1.202 ug/l
 RT: 12.285 min Scan# 1762
 Delta R.T. 0.007 min
 Lab File: VD071747.D
 Acq: 19 Jan 2022 16:38

Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.5 44.3#
 55 0.0 19.1 28.7#
 61 0.0 17.6 26.4#

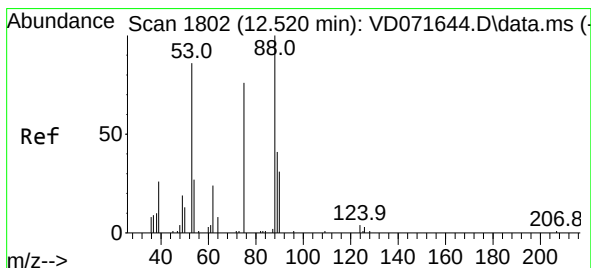
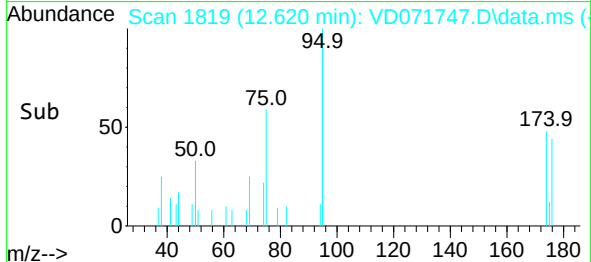
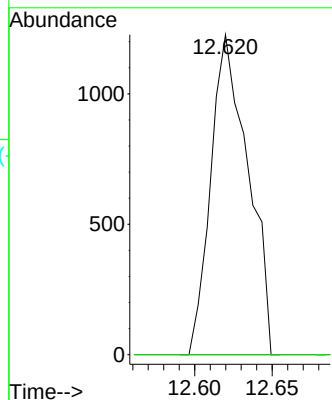
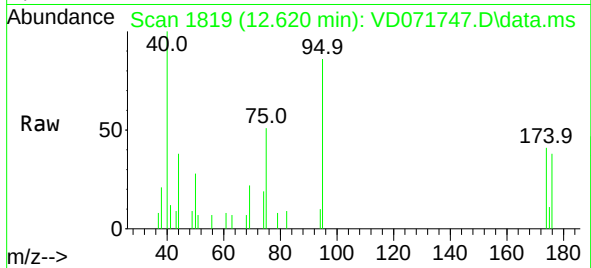




#76
1,2,3-Trichloropropane
Concen: 64.023 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

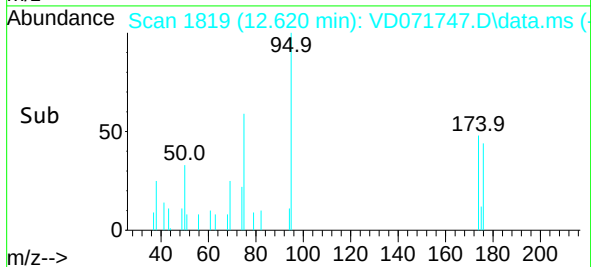
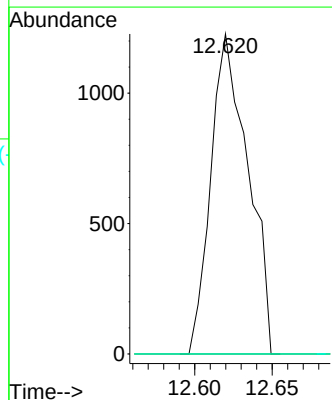
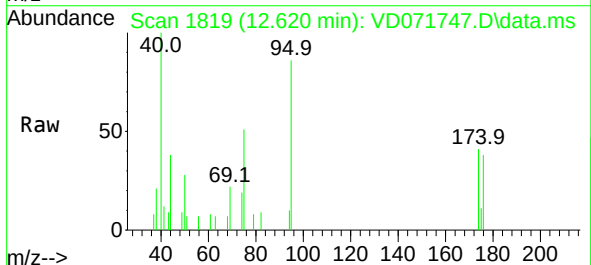
Instrument :
MSVOA_D
ClientSampleId :

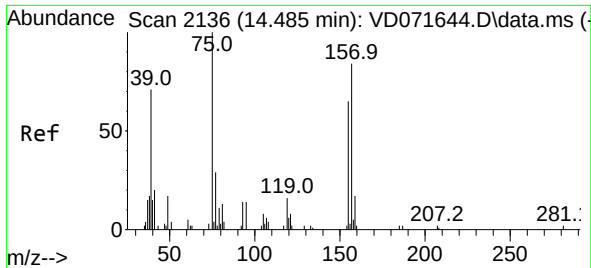
Tgt Ion: 75 Resp: 2044
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 178.490 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071747.D
Acq: 19 Jan 2022 16:38

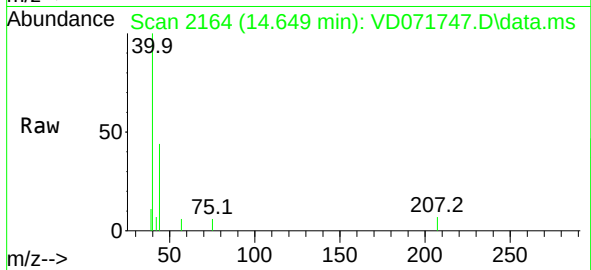
Tgt Ion: 75 Resp: 2044
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.0 37.2 55.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.429 ug/l
 RT: 14.649 min Scan# 21
 Delta R.T. 0.159 min
 Lab File: VD071747.D
 Acq: 19 Jan 2022 16:38

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 57
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.4 106.1#
 157 0.0 44.9 134.5#

