

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071199.D
 Acq On : 08 Dec 2021 12:17
 Operator : VA/SY
 Sample : M4944-02RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:14:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

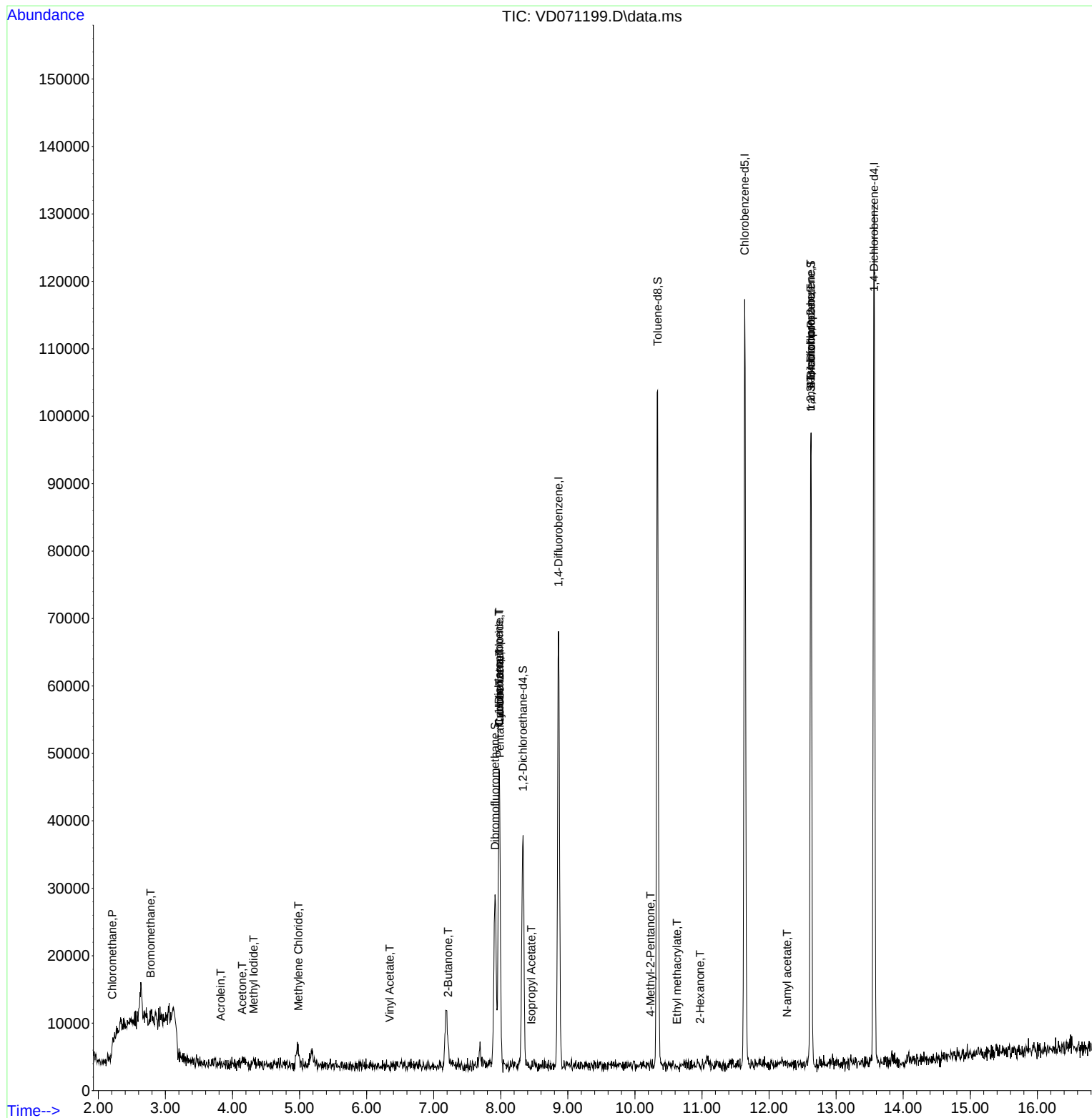
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	28883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	51719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	60919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	31770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	26630	78.576	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.160%
35) Dibromofluoromethane	7.914	113	18805	57.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.200%
50) Toluene-d8	10.338	98	65955	52.625	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.240%
62) 4-Bromofluorobenzene	12.626	95	31486	72.474	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	144.940%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	561	1.722	ug/l #	42
5) Bromomethane	2.779	94	700	2.671	ug/l #	3
10) Methyl Iodide	4.314	142	269	5.284	ug/l #	40
11) Tert butyl alcohol	5.226	59	523	Below Cal	#	71
13) Acrolein	3.826	56	73	3.152	ug/l #	13
16) Acetone	4.144	43	533	35.989	ug/l #	40
20) Methylene Chloride	4.985	84	1774	1.103	ug/l #	47
23) Vinyl Acetate	6.344	43	59	27.314	ug/l #	72
25) 2-Butanone	7.214	43	123	29.408	ug/l #	45
31) Cyclohexane	7.979	56	889	1.542	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	3181	6.581	ug/l #	43
38) Carbon Tetrachloride	7.979	117	3118	6.544	ug/l #	12
41) Methacrylonitrile	7.544	41	145	Below Cal	#	26
43) Isopropyl Acetate	8.455	43	66	5.352	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	77	30.939	ug/l #	34
56) Ethyl methacrylate	10.626	69	70	6.153	ug/l #	10
59) 2-Hexanone	10.973	43	68	34.904	ug/l #	22
71) Bromoform	12.626	173	507	2.371	ug/l #	1
74) N-amyl acetate	12.267	43	97	5.838	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	16901	55.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	16901	121.289	ug/l #	18

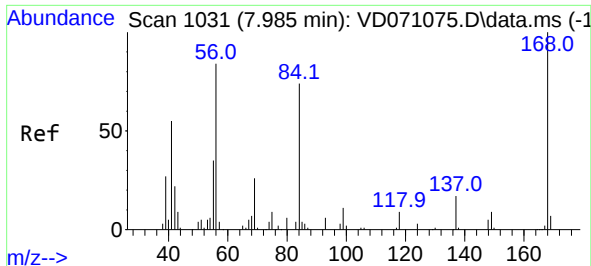
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

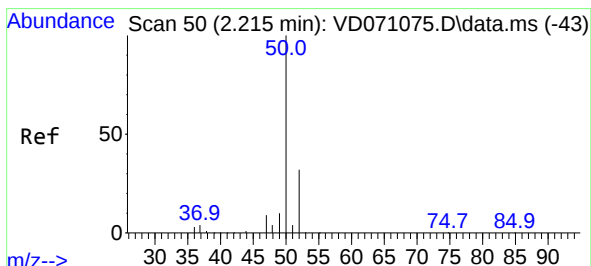
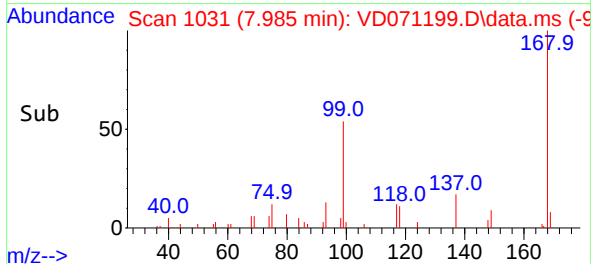
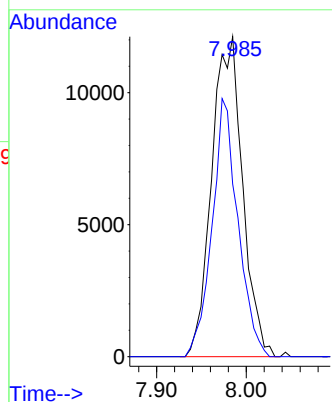
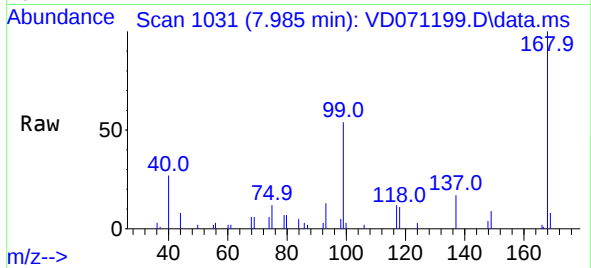




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

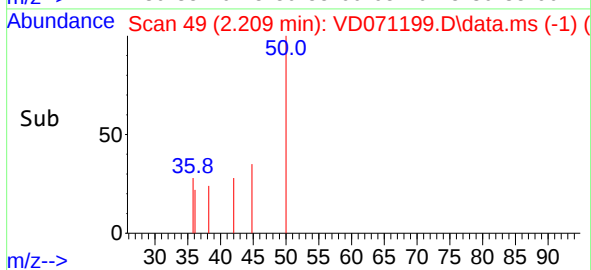
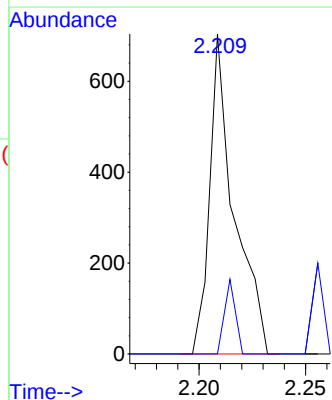
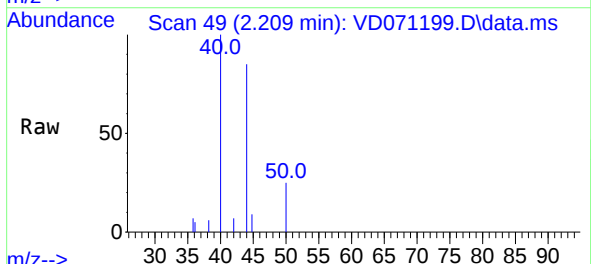
Instrument :
MSVOA_D
ClientSampleId :

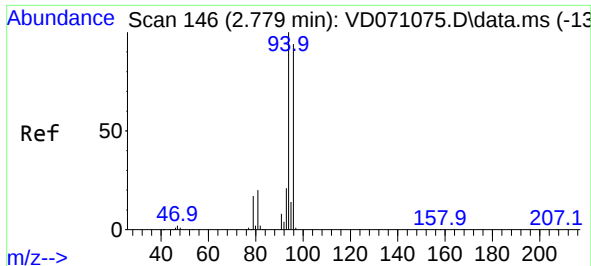
Tgt Ion:168 Resp: 28883
Ion Ratio Lower Upper
168 100
99 54.0 46.6 69.8



#3
Chloromethane
Concen: 1.722 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

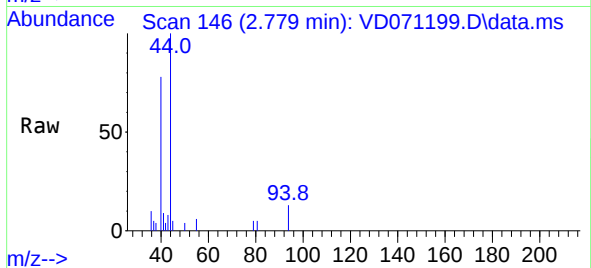
Tgt Ion: 50 Resp: 561
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



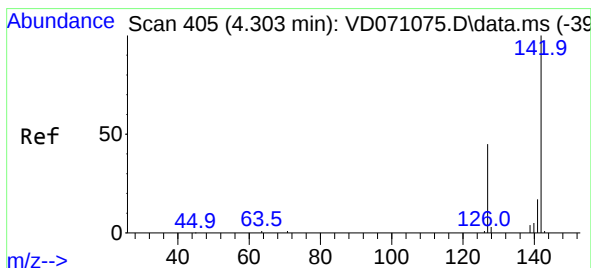
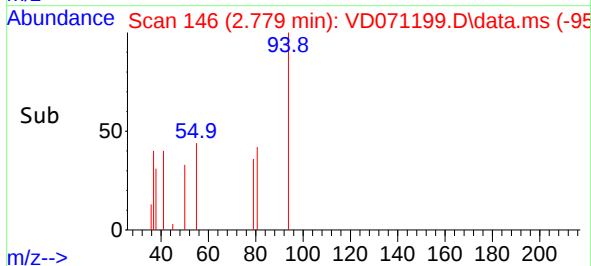
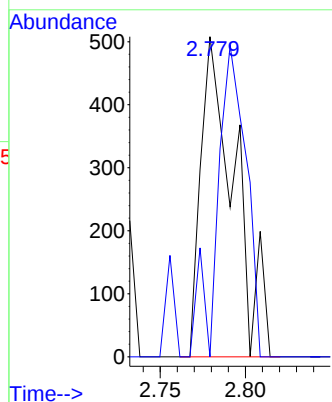


#5
Bromomethane
Concen: 2.671 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :

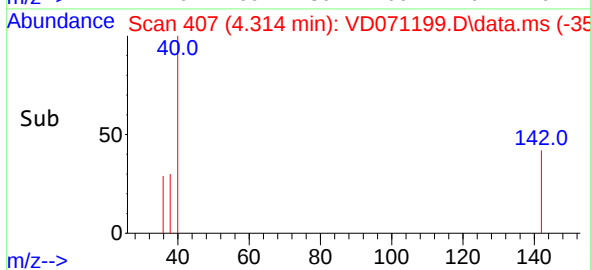
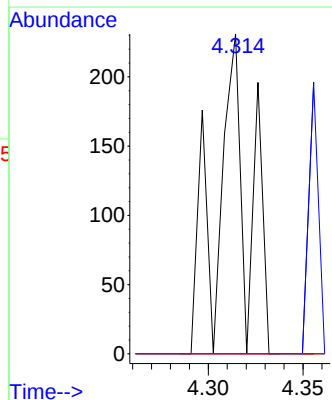
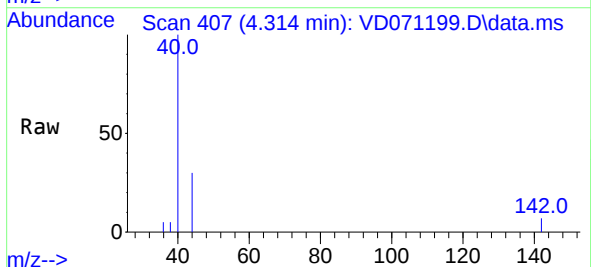


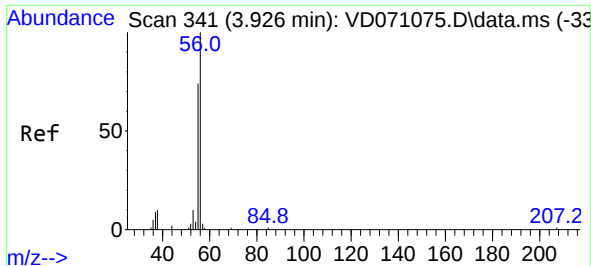
Tgt Ion: 94 Resp: 700
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#10
Methyl Iodide
Concen: 5.284 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 142 Resp: 269
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

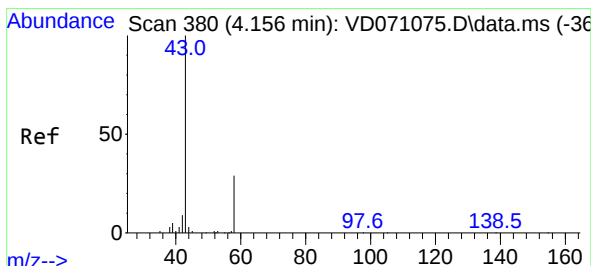
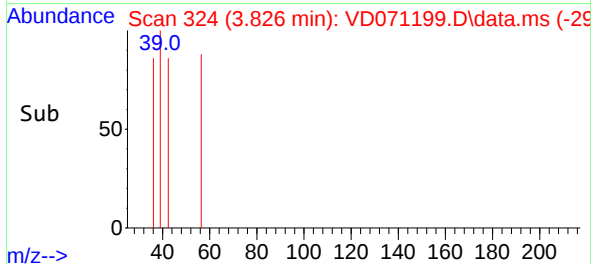
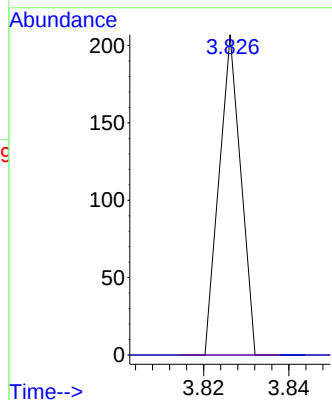
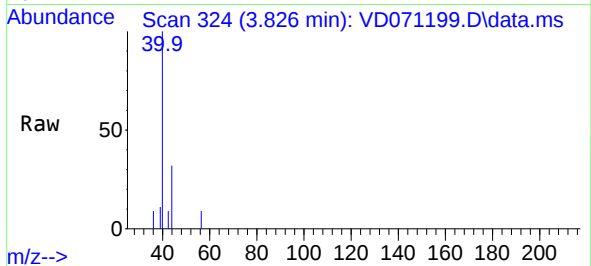




#13
Acrolein
Concen: 3.152 ug/l
RT: 3.826 min Scan# 31
Delta R.T. -0.100 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

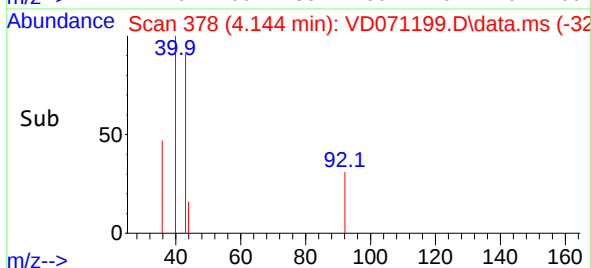
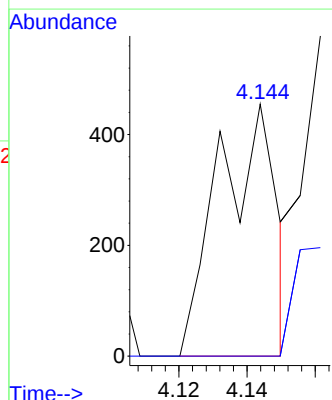
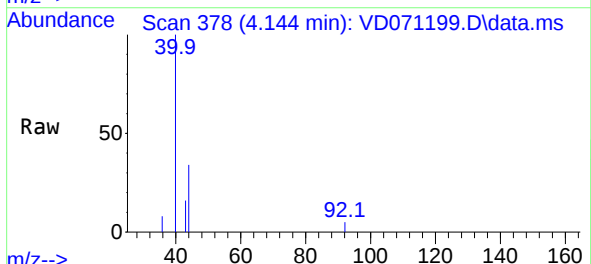
Instrument :
MSVOA_D
ClientSampleId :

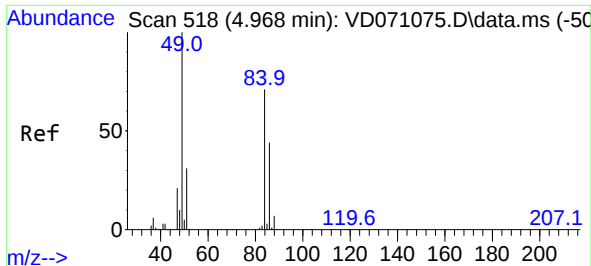
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 35.989 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

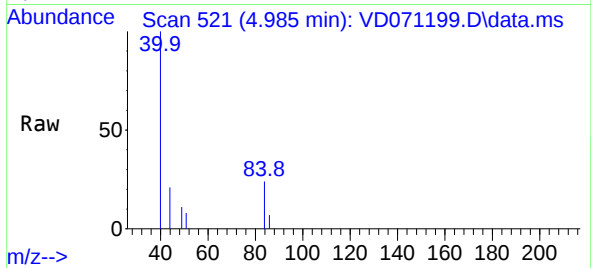
Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





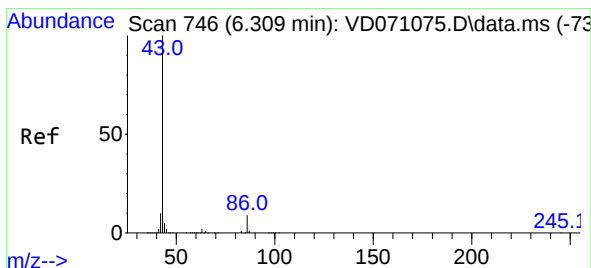
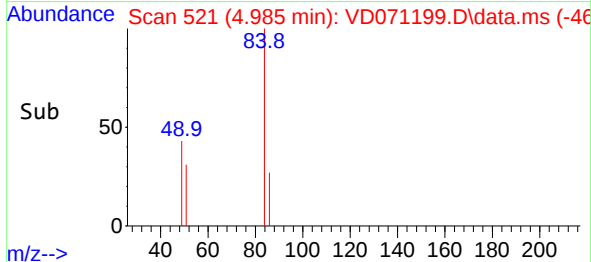
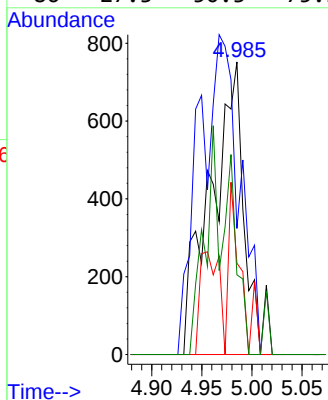
#20
Methylene Chloride
Concen: 1.103 ug/l
RT: 4.985 min Scan# 51
Delta R.T. 0.017 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 1774

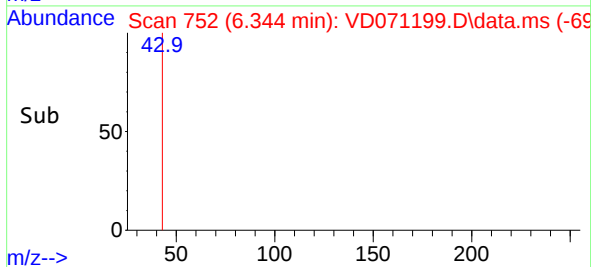
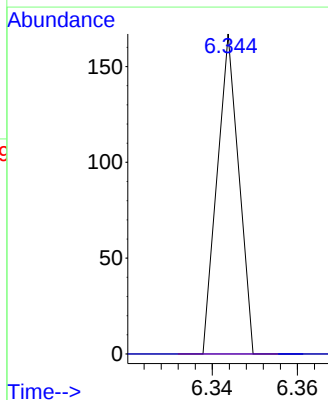
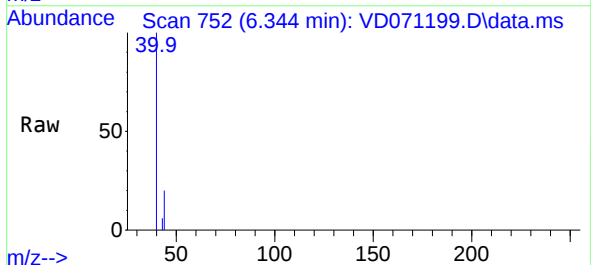
Ion	Ratio	Lower	Upper
84	100		
49	43.1	95.8	143.6#
51	31.3	30.9	46.3
86	27.3	50.3	75.5#

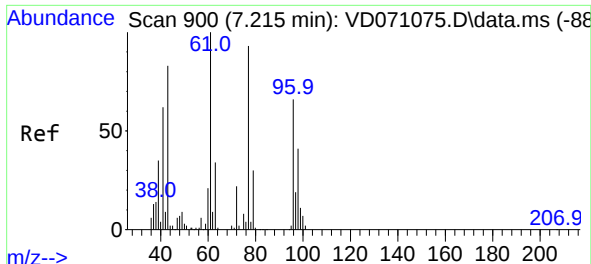


#23
Vinyl Acetate
Concen: 27.314 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.035 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 43 Resp: 59

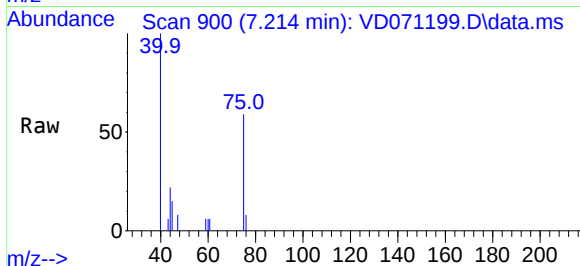
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



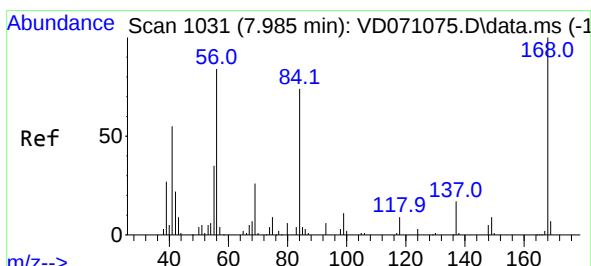
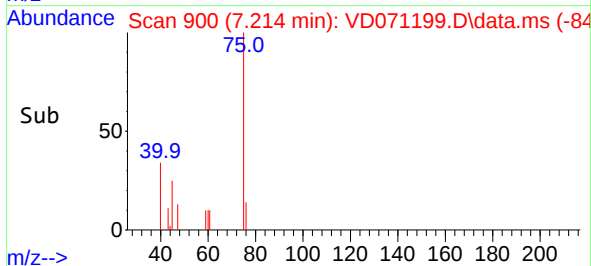
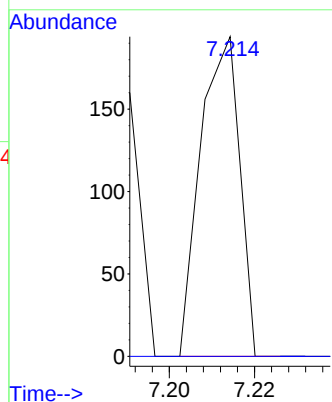


#25
2-Butanone
Concen: 29.408 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :

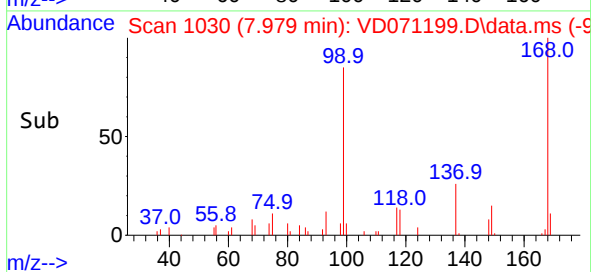
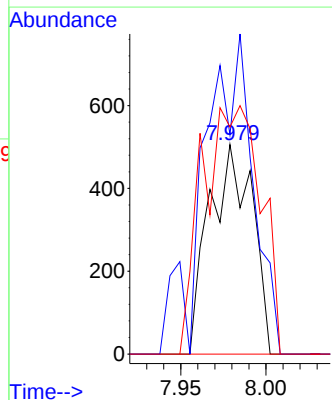
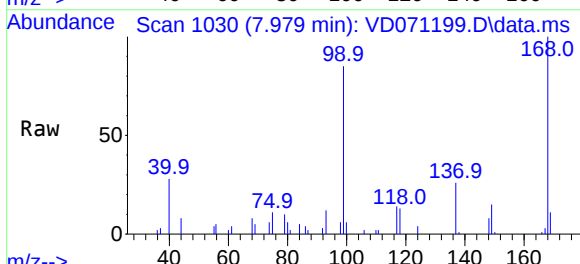


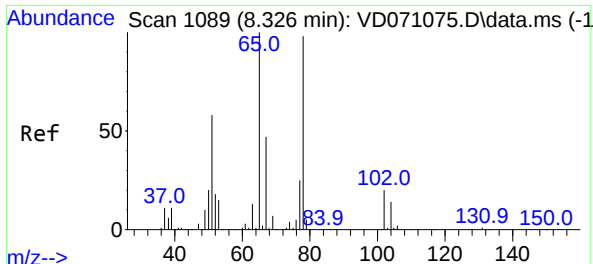
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 56 Resp: 889
Ion Ratio Lower Upper
56 100
69 104.5 25.9 38.9#
84 108.3 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 78.576 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071199.D

Acq: 08 Dec 2021 12:17

Instrument :

MSVOA_D

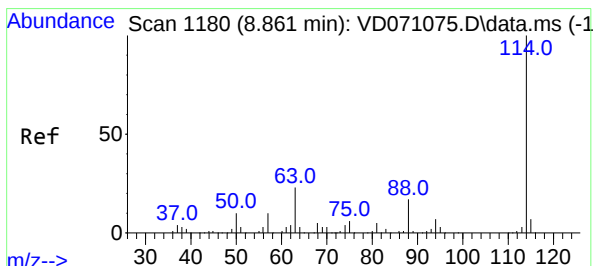
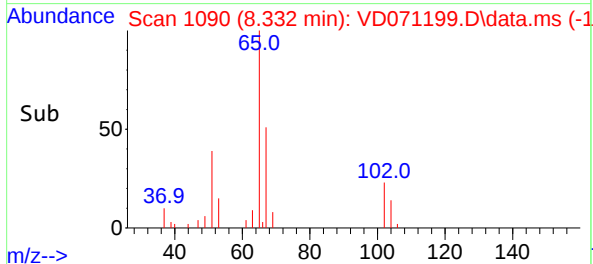
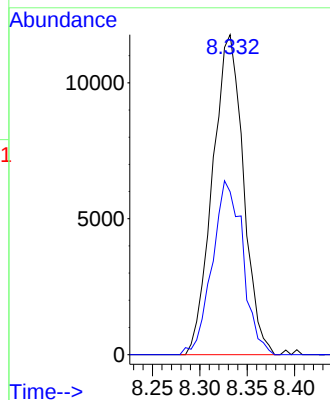
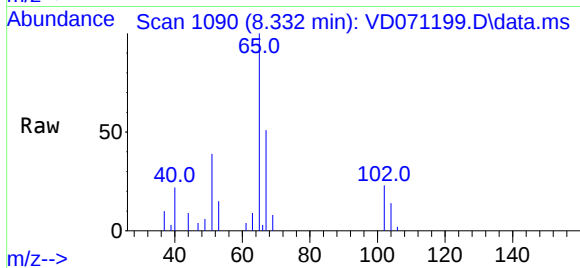
ClientSampleId :

Tgt Ion: 65 Resp: 26630

Ion Ratio Lower Upper

65 100

67 54.1 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071199.D

Acq: 08 Dec 2021 12:17

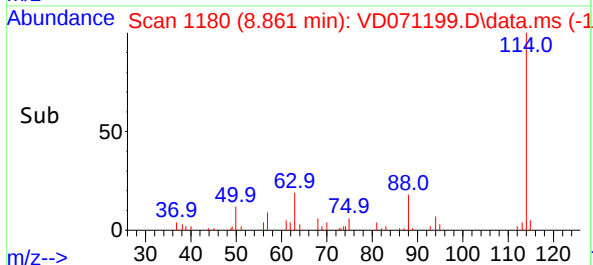
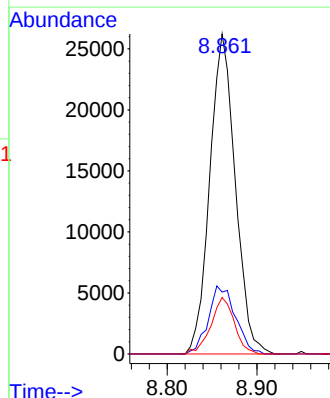
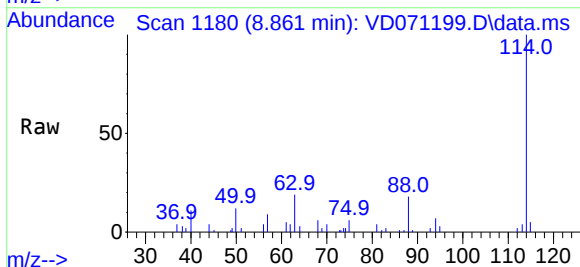
Tgt Ion: 114 Resp: 51719

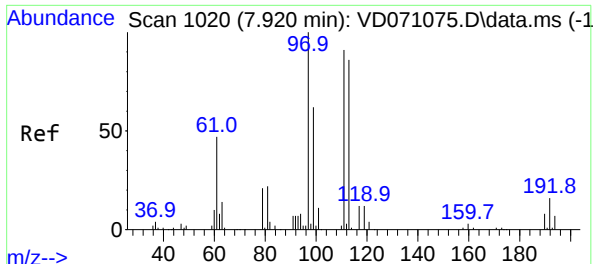
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.8

88 17.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.099 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071199.D

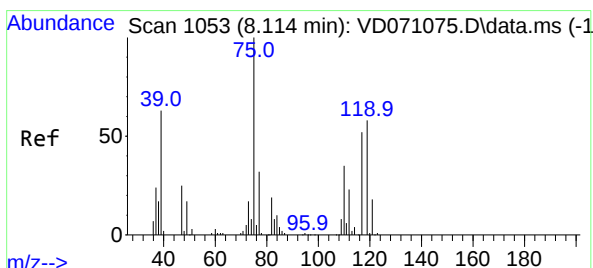
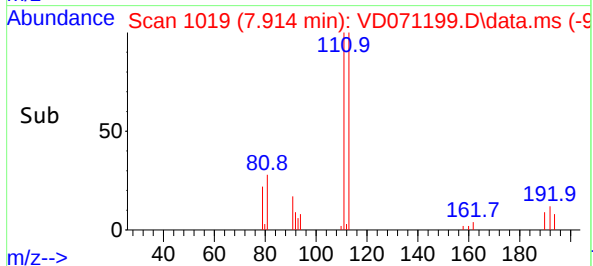
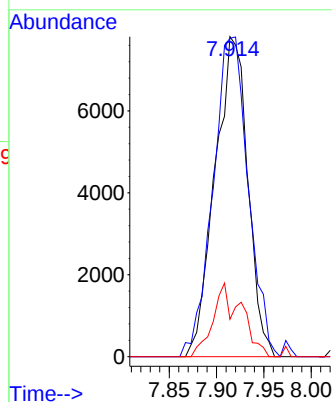
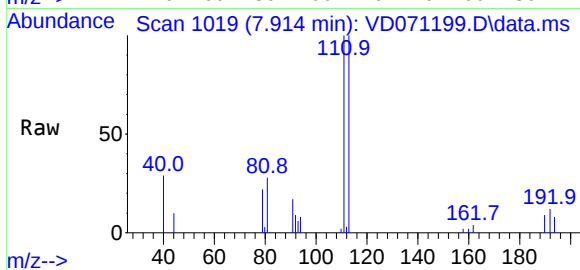
Acq: 08 Dec 2021 12:17

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:113	Resp:	18805
Ion	Ratio	Lower Upper
113	100	
111	107.1	82.0 123.0
192	20.0	15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.581 ug/l

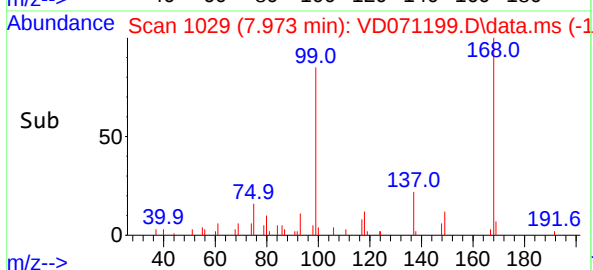
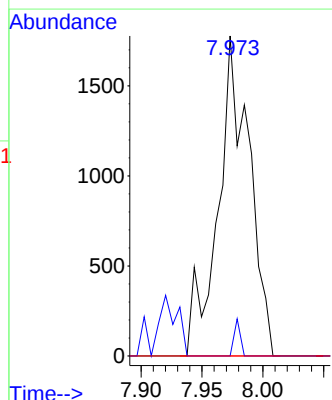
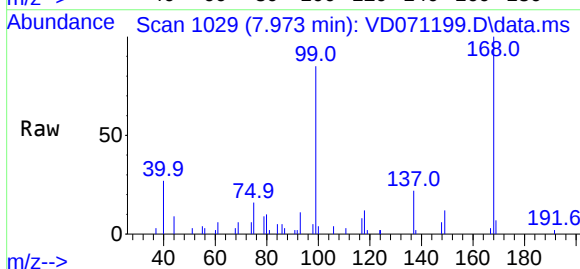
RT: 7.973 min Scan# 1029

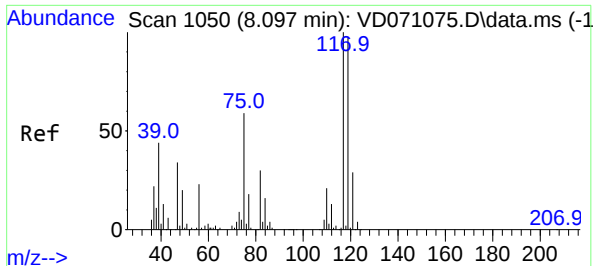
Delta R.T. -0.141 min

Lab File: VD071199.D

Acq: 08 Dec 2021 12:17

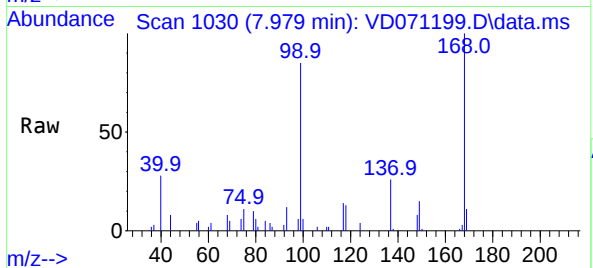
Tgt Ion: 75	Resp:	3181
Ion	Ratio	Lower Upper
75	100	
110	2.3	17.8 53.4#
77	0.0	24.8 37.2#



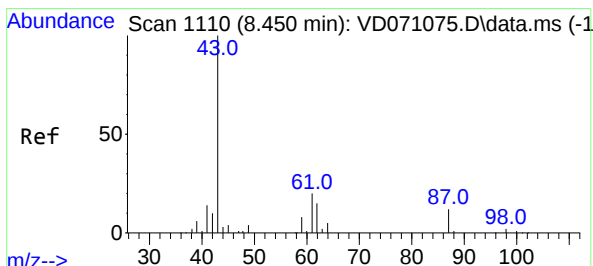
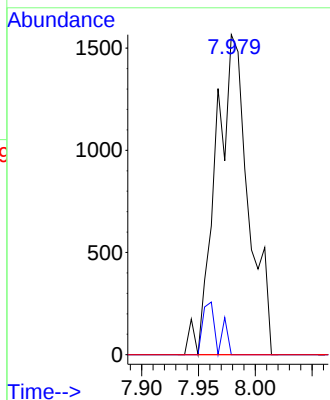
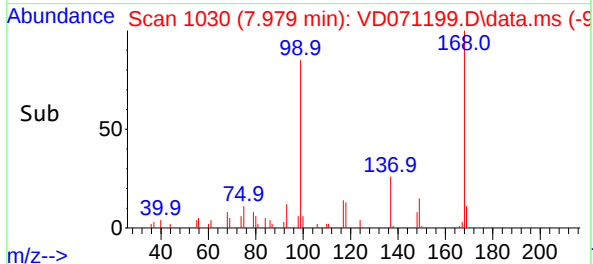


#38
Carbon Tetrachloride
Concen: 6.544 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :

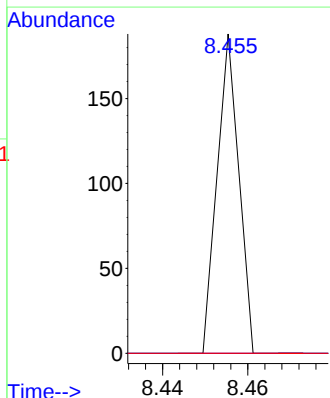
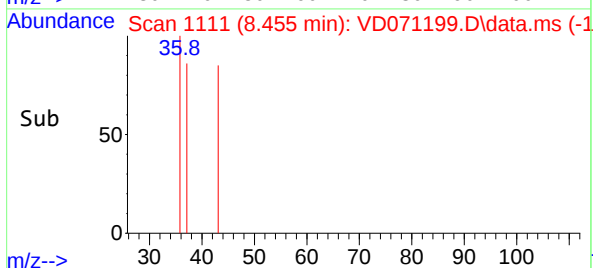
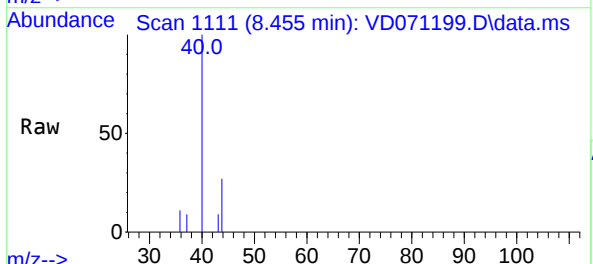


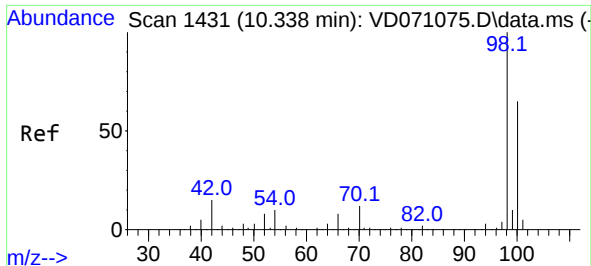
Tgt Ion:117 Resp: 3118
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.352 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

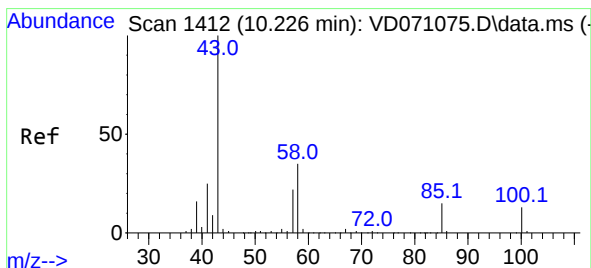
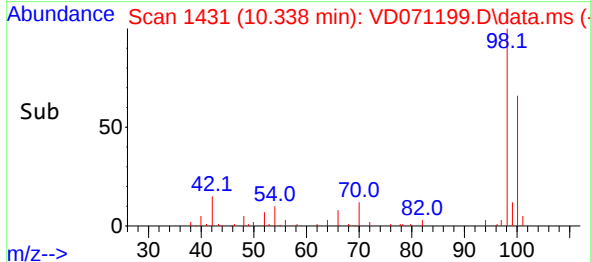
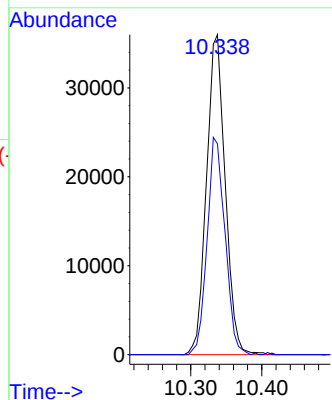
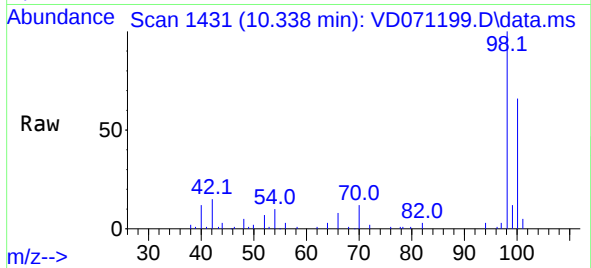




#50
Toluene-d8
Concen: 52.625 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

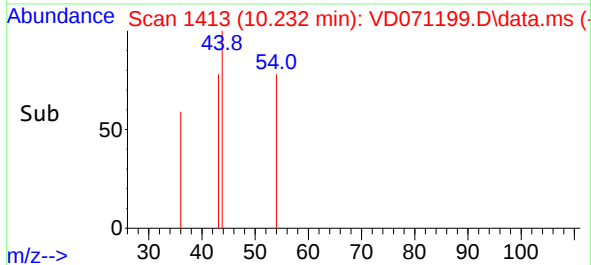
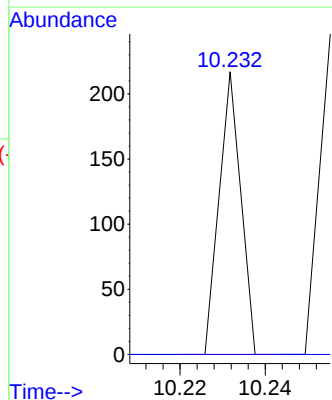
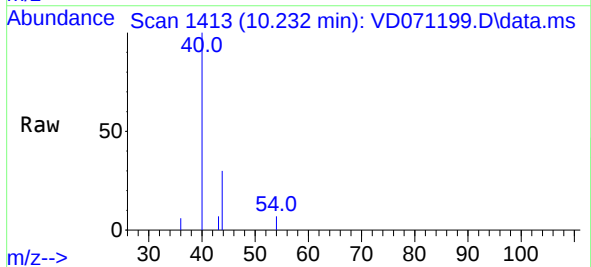
Instrument :
MSVOA_D
ClientSampleId :

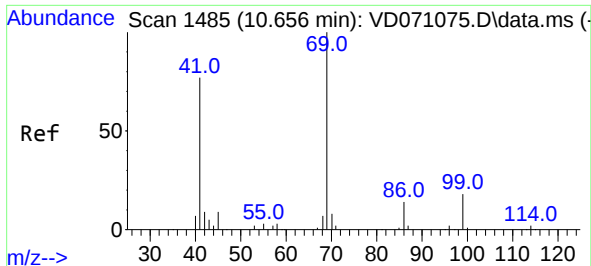
Tgt Ion: 98 Resp: 65955
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.939 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

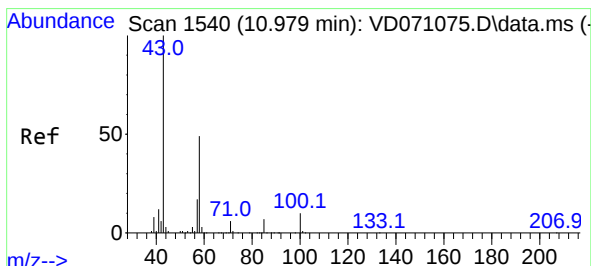
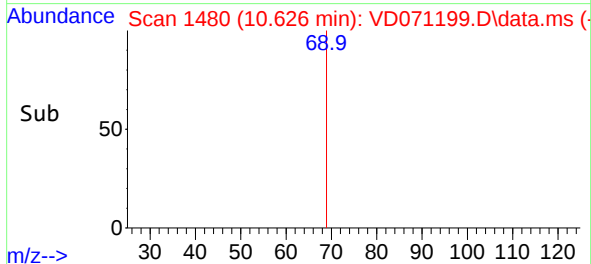
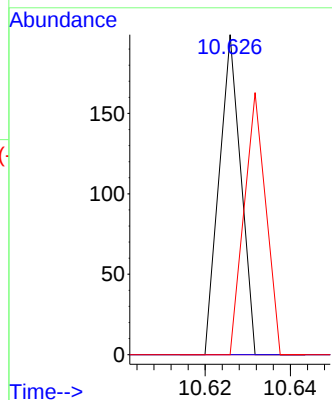
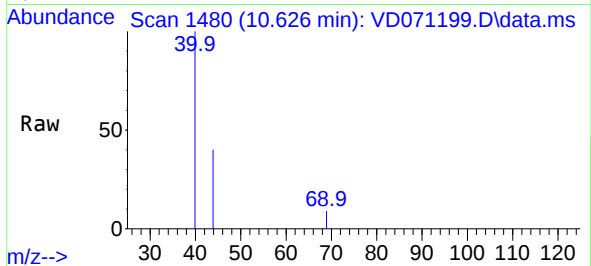




#56
Ethyl methacrylate
Concen: 6.153 ug/l
RT: 10.626 min Scan# 14
Delta R.T. -0.030 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

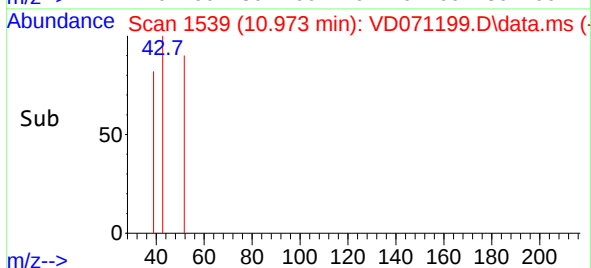
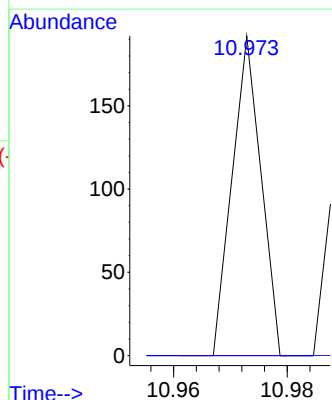
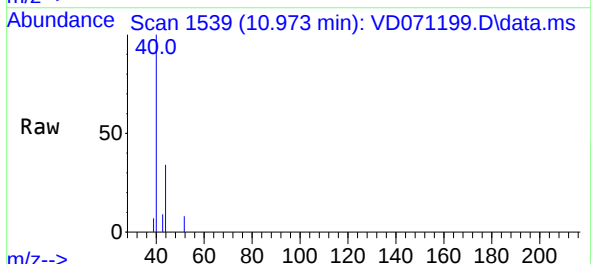
Instrument :
MSVOA_D
ClientSampleId :

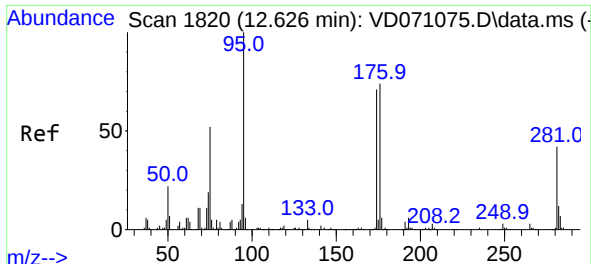
Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 81.4 19.8 29.8#



#59
2-Hexanone
Concen: 34.904 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

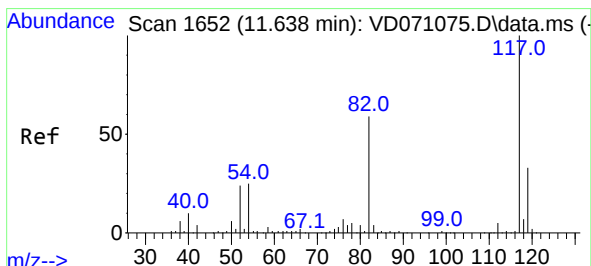
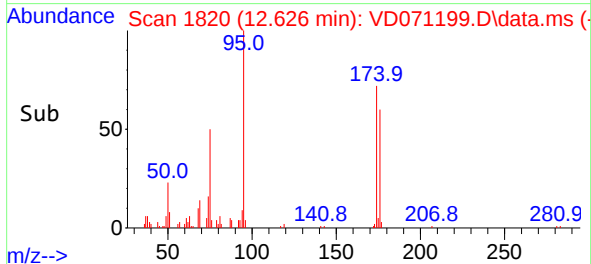
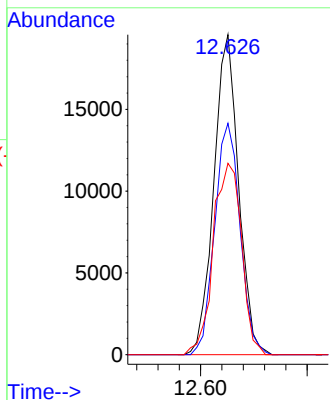
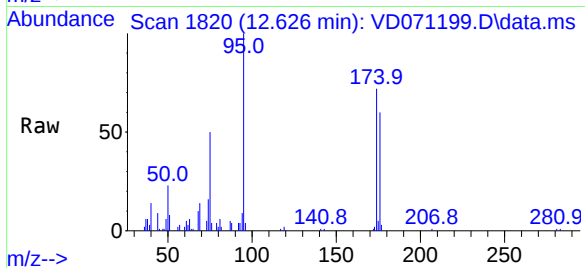




#62
4-Bromofluorobenzene
Concen: 72.474 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

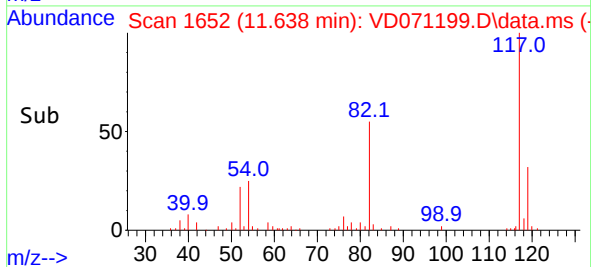
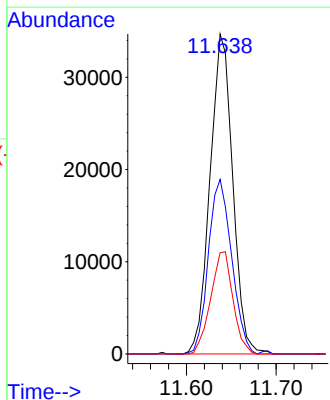
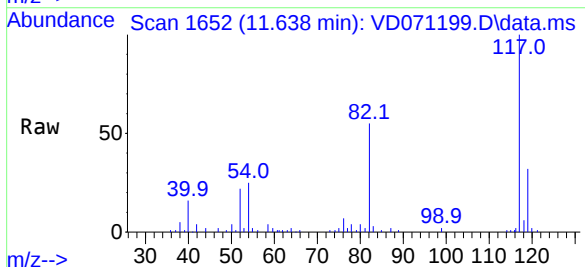
Instrument :
MSVOA_D
ClientSampleId :

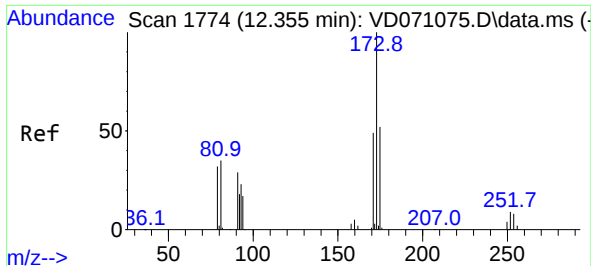
Tgt Ion: 95 Resp: 31486
Ion Ratio Lower Upper
95 100
174 74.3 0.0 159.4
176 68.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Tgt Ion: 117 Resp: 60919
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.6 26.2 39.4

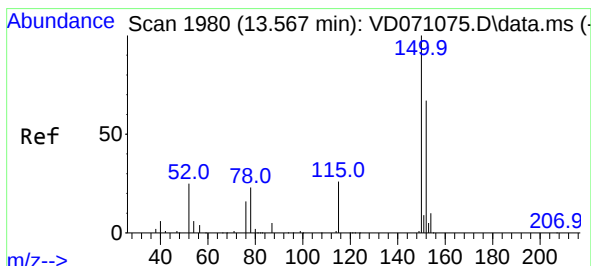
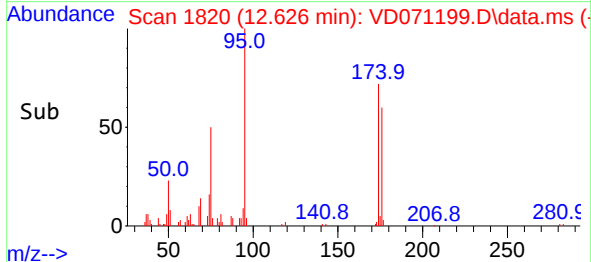
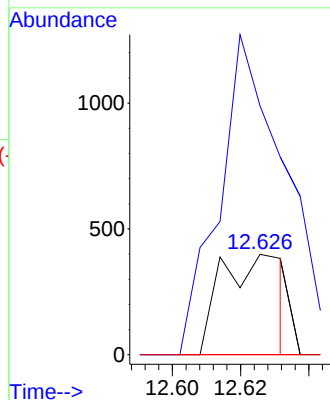
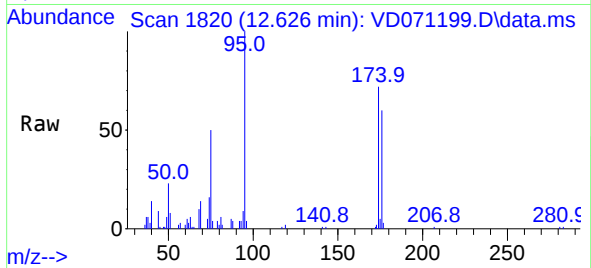




#71
Bromoform
Concen: 2.371 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

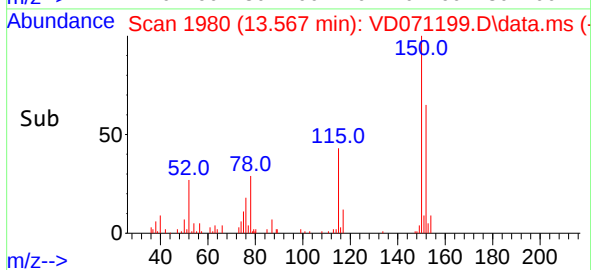
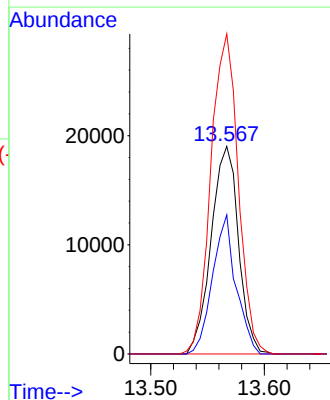
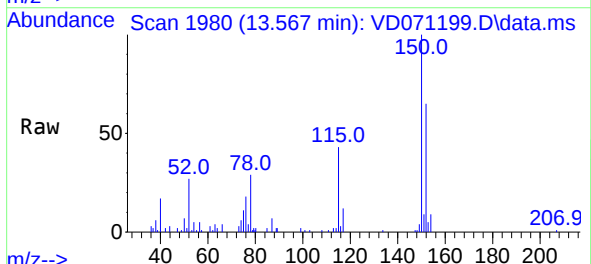
Instrument :
MSVOA_D
ClientSampleId :

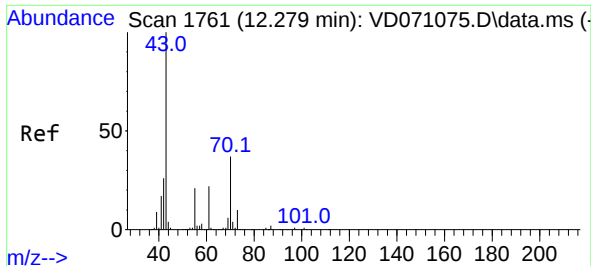
Tgt Ion:173 Resp: 507
Ion Ratio Lower Upper
173 100
175 278.5 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

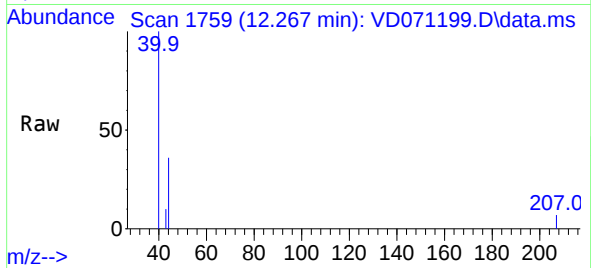
Tgt Ion:152 Resp: 31770
Ion Ratio Lower Upper
152 100
115 57.6 29.8 89.3
150 154.4 0.0 349.2



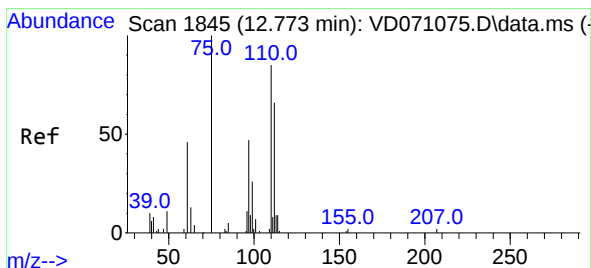
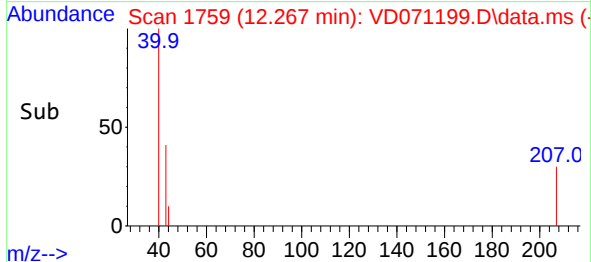
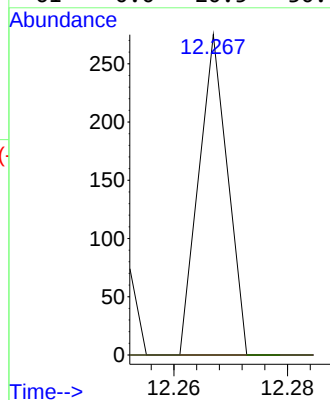


#74
N-amy1 acetate
Concen: 5.838 ug/l
RT: 12.267 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :

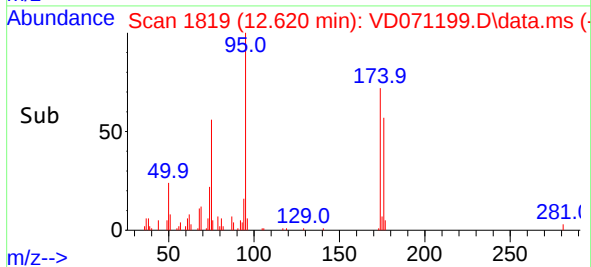
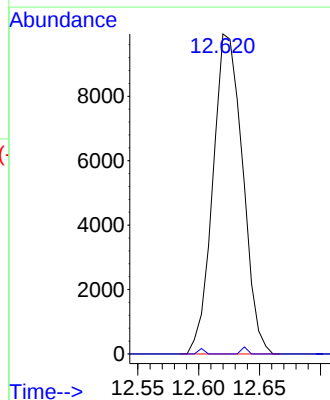
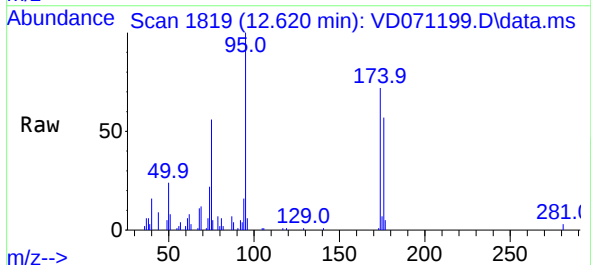


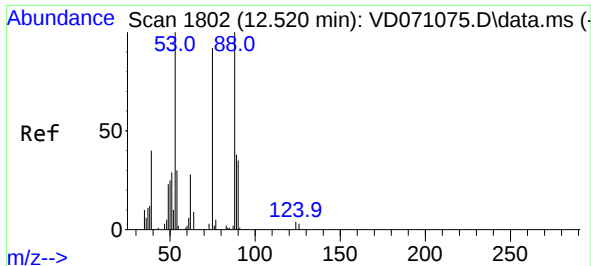
Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 55.836 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071199.D
Acq: 08 Dec 2021 12:17

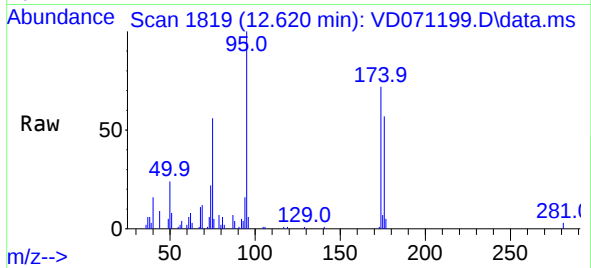
Tgt Ion: 75 Resp: 16901
Ion Ratio Lower Upper
75 100
77 0.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.289 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071199.D
 Acq: 08 Dec 2021 12:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 16901
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

