

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071105.D
 Acq On : 01 Dec 2021 14:25
 Operator : VA/SY
 Sample : M4721-03RE
 Misc : 0.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3

Quant Time: Dec 02 03:14:35 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)

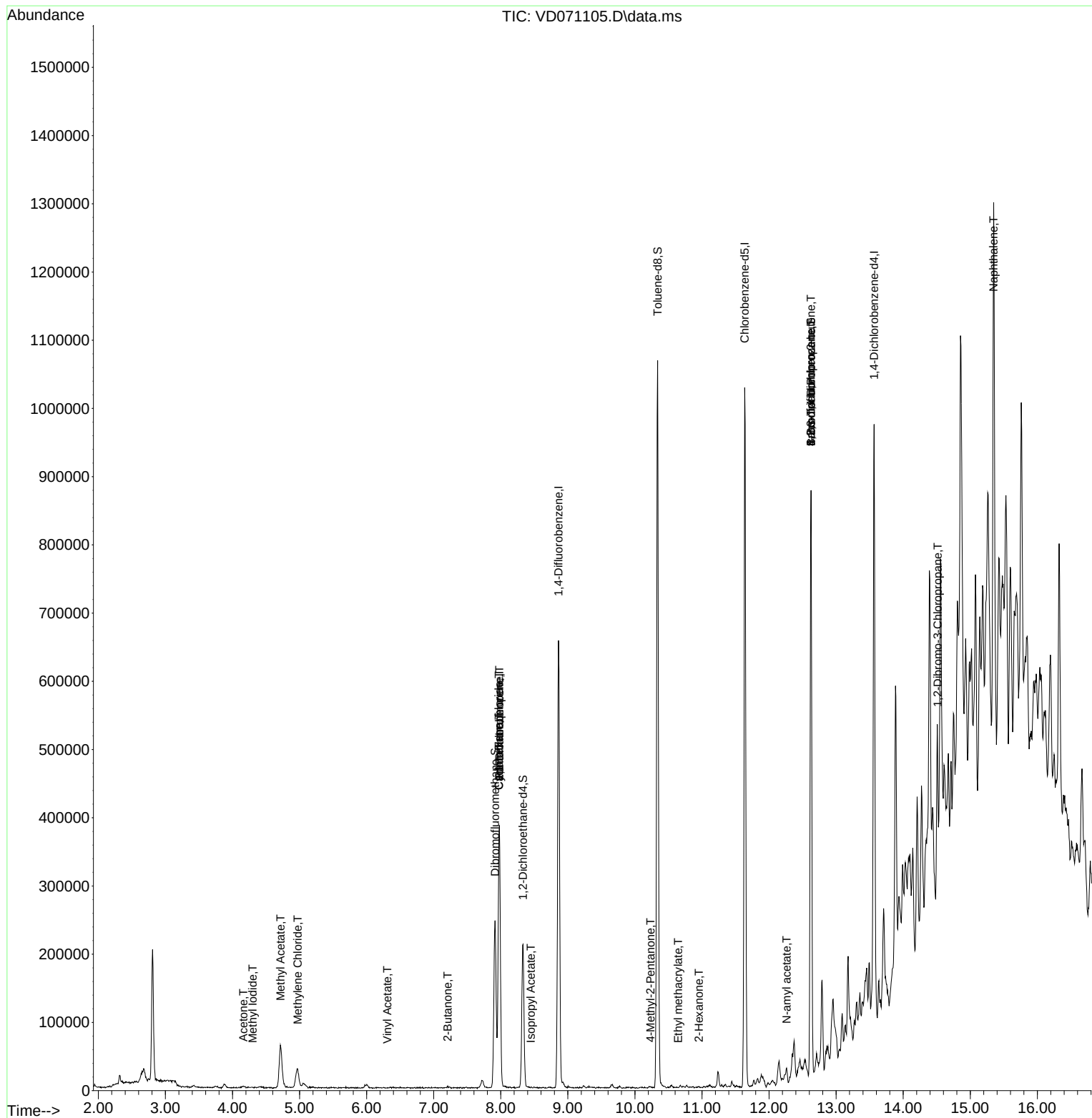
Internal Standards						
1) Pentafluorobenzene	7.979	168	275250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	538209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	538107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	219758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	165735	51.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.640%			
35) Dibromofluoromethane	7.914	113	174812	51.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.338	98	693950	53.207	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.420%			
62) 4-Bromofluorobenzene	12.626	95	243415	53.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.680%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	720	4.764	ug/l #	90
11) Tert butyl alcohol	5.191	59	767	Below Cal	#	71
16) Acetone	4.162	43	4420	35.315	ug/l	89
18) Methyl Acetate	4.714	43	128185	53.792	ug/l	91
20) Methylene Chloride	4.973	84	19981	2.132	ug/l	95
23) Vinyl Acetate	6.309	43	146	27.243	ug/l #	72
25) 2-Butanone	7.208	43	795	29.071	ug/l	99
31) Cyclohexane	7.973	56	8236	1.499	ug/l #	32
36) 1,1-Dichloropropene	7.979	75	25343	5.038	ug/l #	49
38) Carbon Tetrachloride	7.973	117	30127	6.076	ug/l #	16
41) Methacrylonitrile	7.508	41	68	Below Cal	#	1
43) Isopropyl Acetate	8.450	43	79	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	318	30.766	ug/l #	34
56) Ethyl methacrylate	10.644	69	253	6.034	ug/l #	27
59) 2-Hexanone	10.955	43	1407	35.231	ug/l #	22
71) Bromoform	12.626	173	2389	1.265	ug/l #	1
74) N-amyl acetate	12.261	43	6623	7.048	ug/l #	54
76) 1,2,3-Trichloropropane	12.626	75	136788	65.331	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	136788	140.934	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.514	75	696	1.631	ug/l #	29
95) Naphthalene	15.349	128	9998	1.558	ug/l #	1

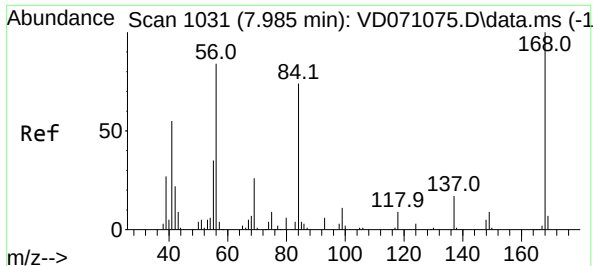
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 0.95G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
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Quant Time: Dec 02 03:14:35 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

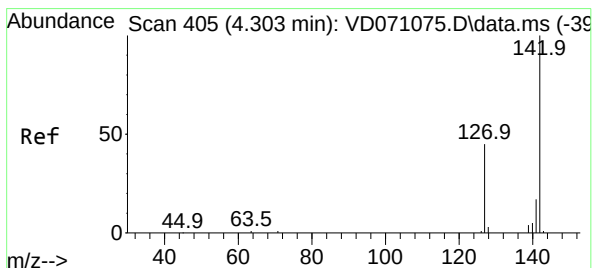
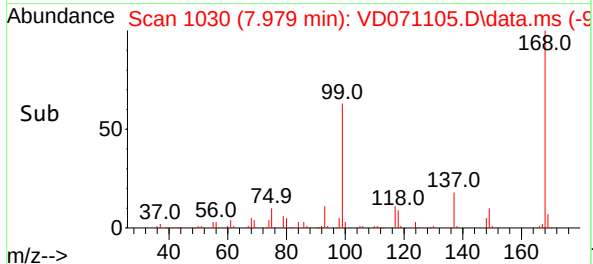
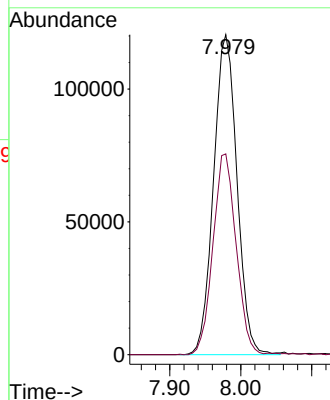
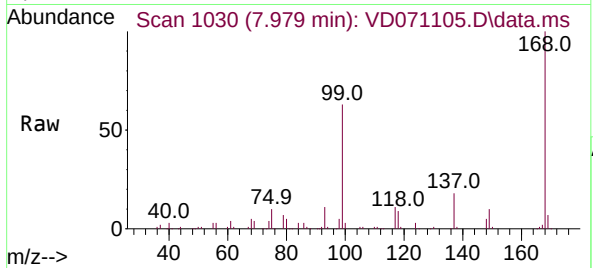




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

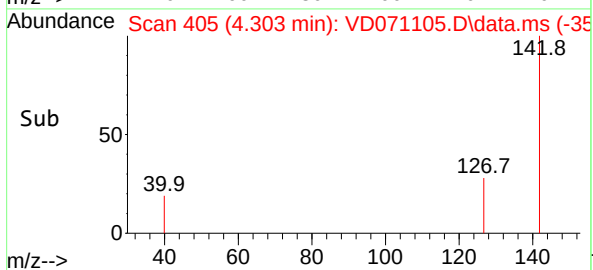
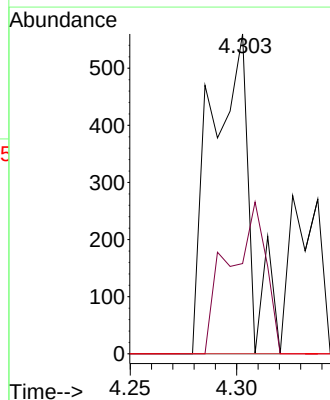
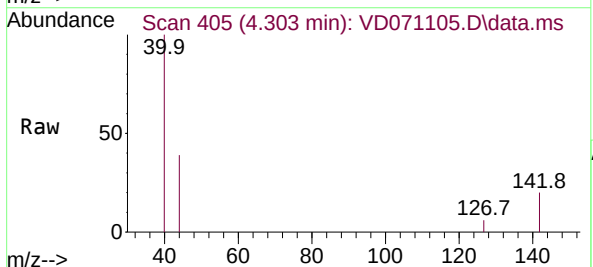
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

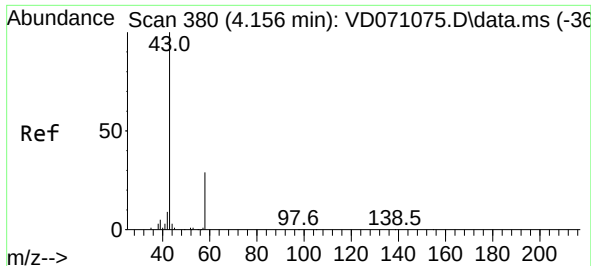
Tgt Ion:168 Resp: 275250
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.764 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion:142 Resp: 720
Ion Ratio Lower Upper
142 100
127 44.4 35.0 52.4
141 0.0 12.0 18.0#

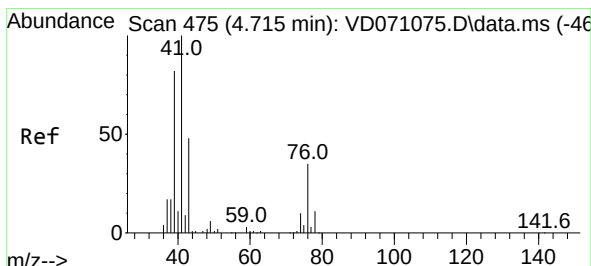
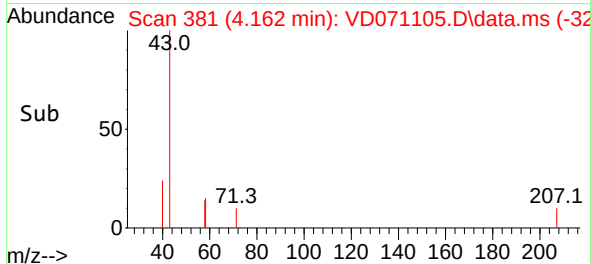
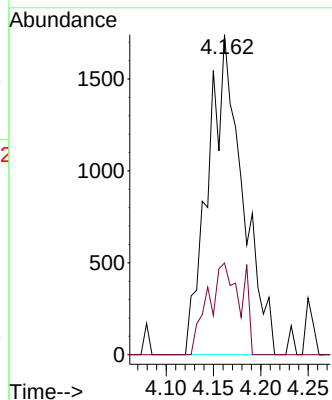
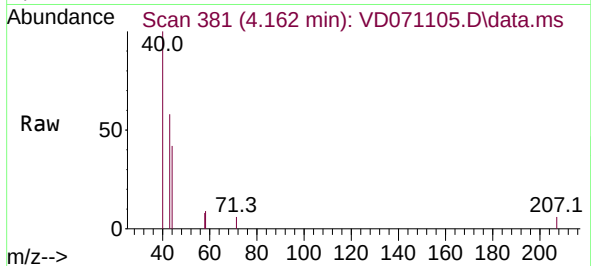




#16
Acetone
Concen: 35.315 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

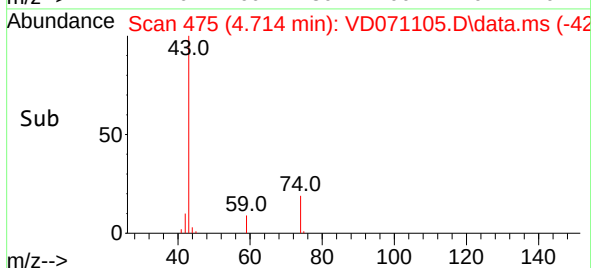
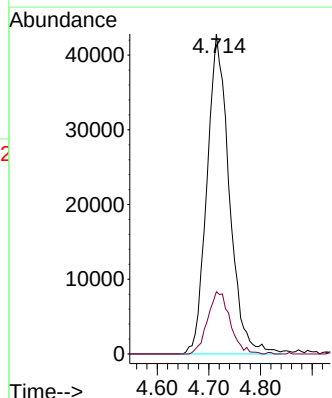
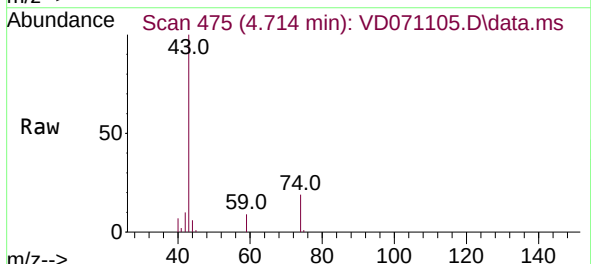
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

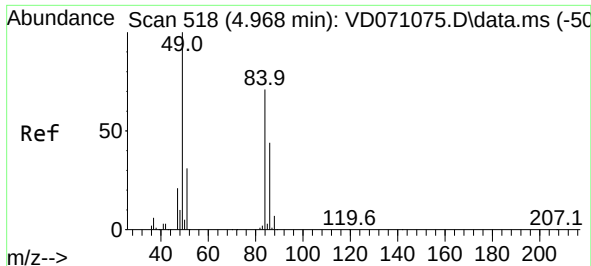
Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8



#18
Methyl Acetate
Concen: 53.792 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 43 Resp: 128185
Ion Ratio Lower Upper
43 100
74 19.6 19.3 28.9

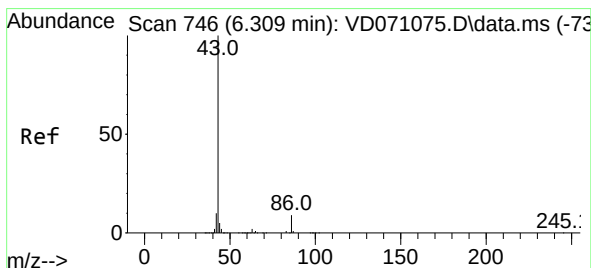
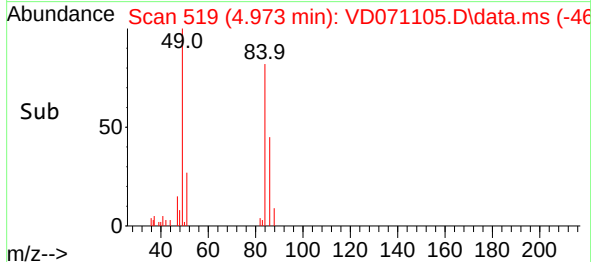
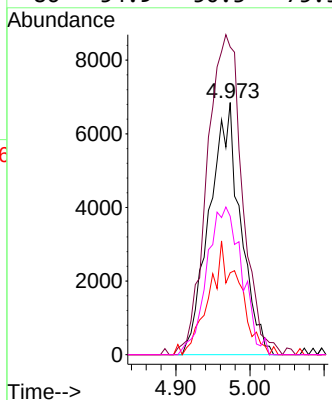
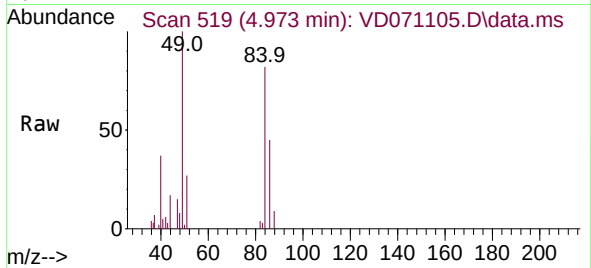




#20
Methylene Chloride
Concen: 2.132 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

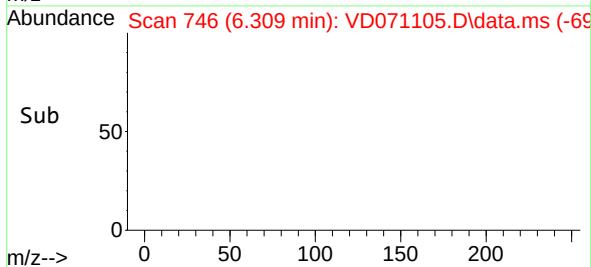
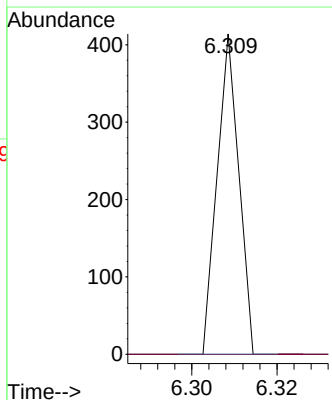
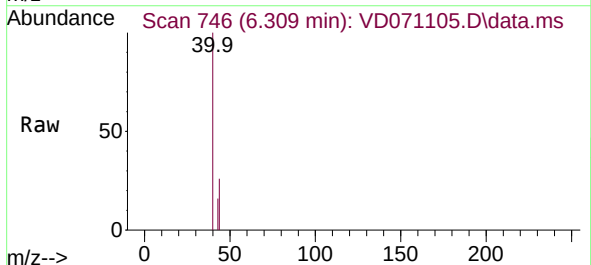
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

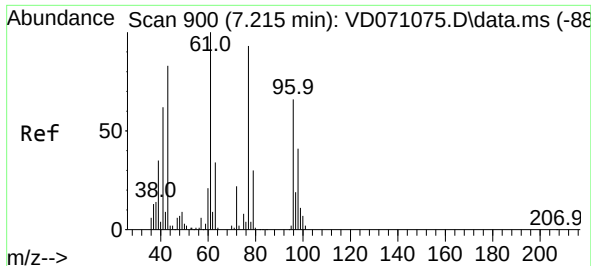
Tgt Ion:	84	Resp:	19981
Ion	Ratio	Lower	Upper
84	100		
49	119.6	95.8	143.6
51	32.5	30.9	46.3
86	54.9	50.3	75.5



#23
Vinyl Acetate
Concen: 27.243 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion:	43	Resp:	146
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4

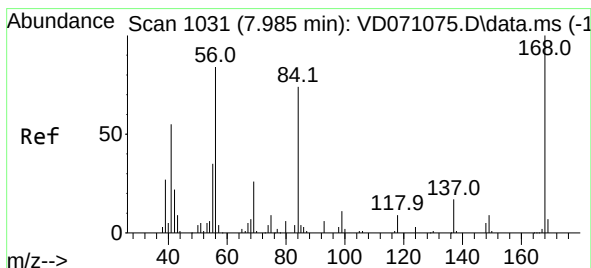
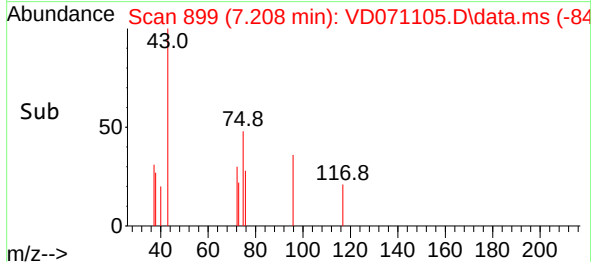
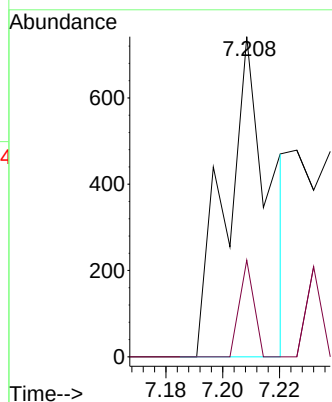
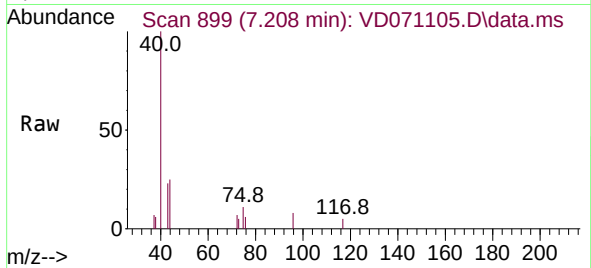




#25
2-Butanone
Concen: 29.071 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.007 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

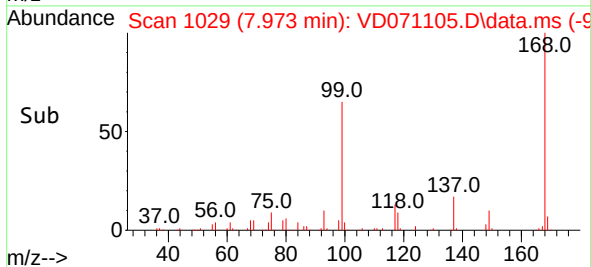
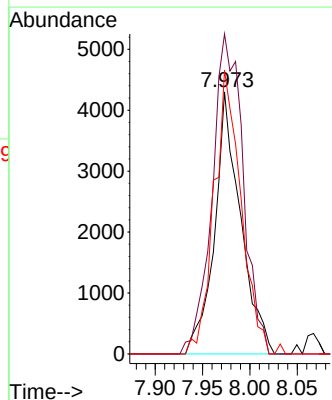
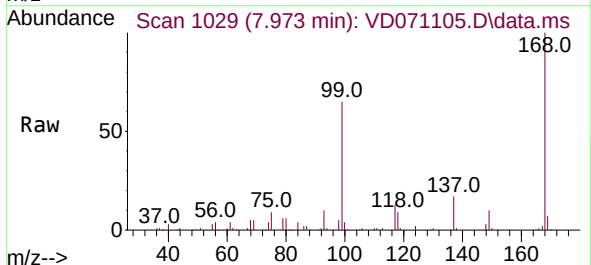
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

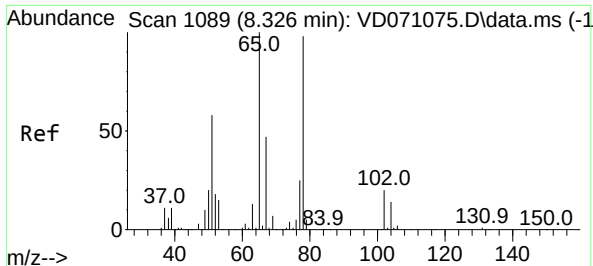
Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
72 30.2 23.8 35.6



#31
Cyclohexane
Concen: 1.499 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 56 Resp: 8236
Ion Ratio Lower Upper
56 100
69 122.1 25.9 38.9#
84 108.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 51.315 ug/l

RT: 8.332 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VD071105.D

Acq: 01 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

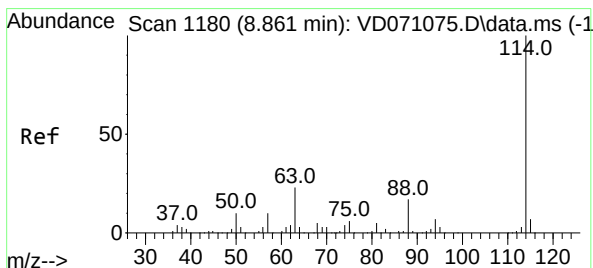
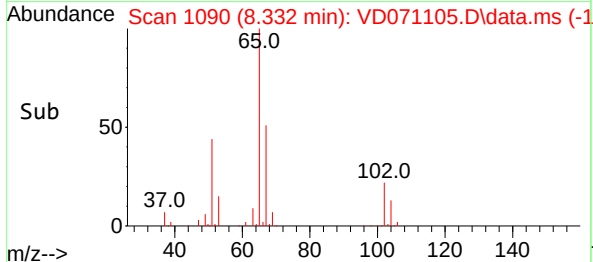
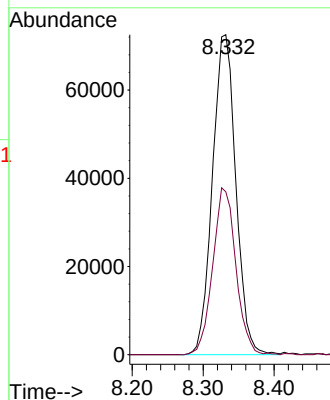
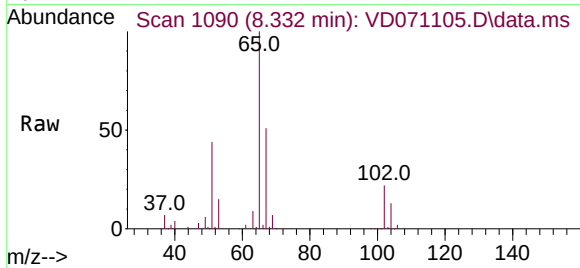
SAMPLE-3

Tgt Ion: 65 Resp: 165735

Ion Ratio Lower Upper

65 100

67 51.6 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: VD071105.D

Acq: 01 Dec 2021 14:25

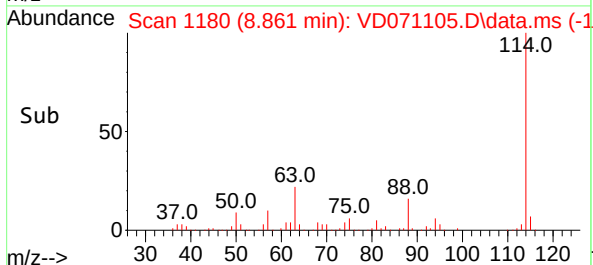
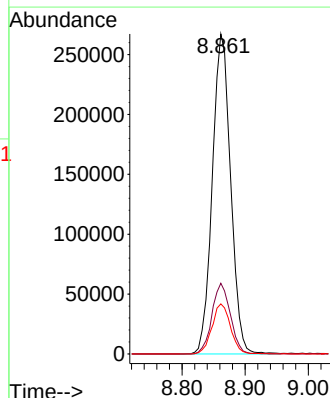
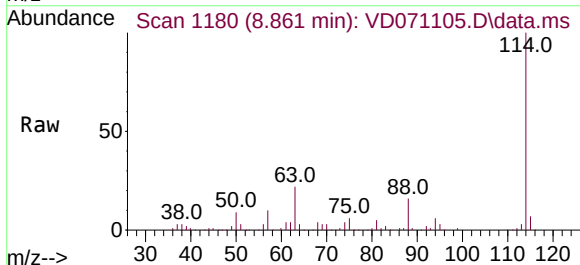
Tgt Ion: 114 Resp: 538209

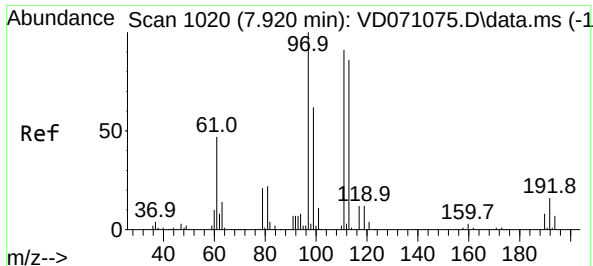
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.006 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071105.D

Acq: 01 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

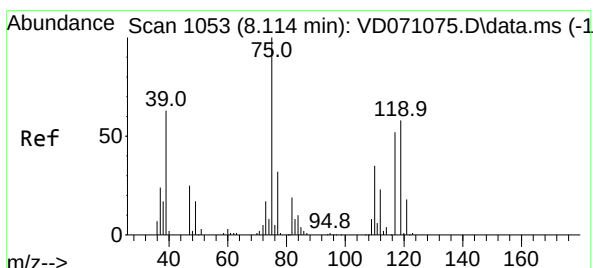
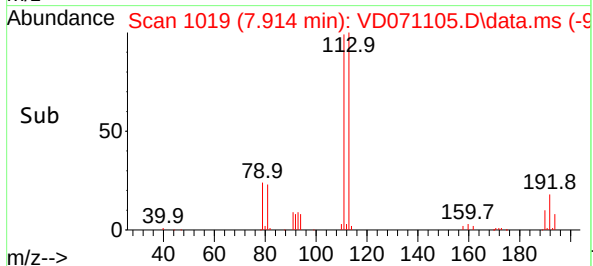
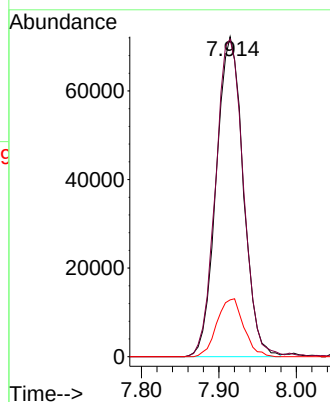
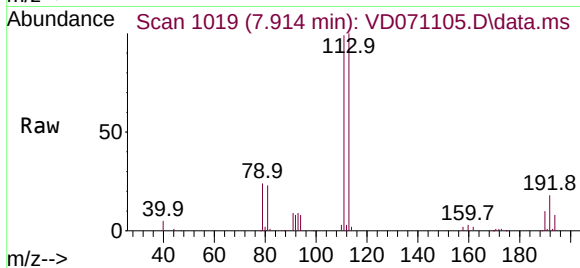
Tgt Ion:113 Resp: 174812

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071105.D

Acq: 01 Dec 2021 14:25

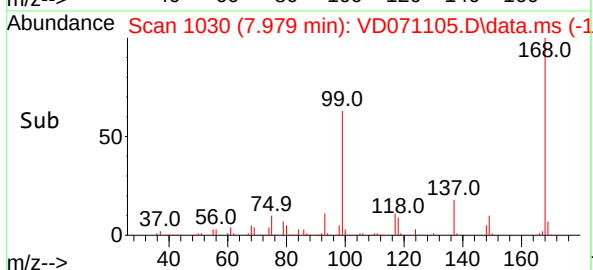
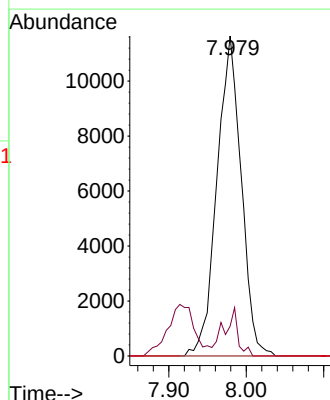
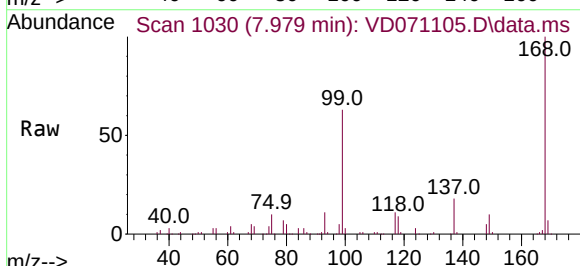
Tgt Ion: 75 Resp: 25343

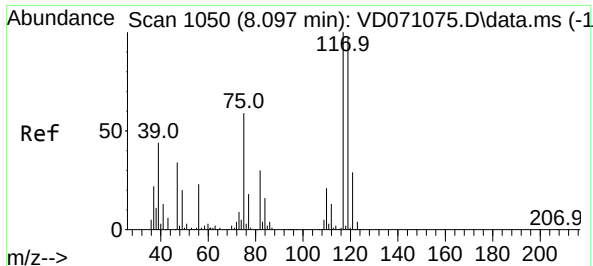
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.4#

77 0.0 24.8 37.2#

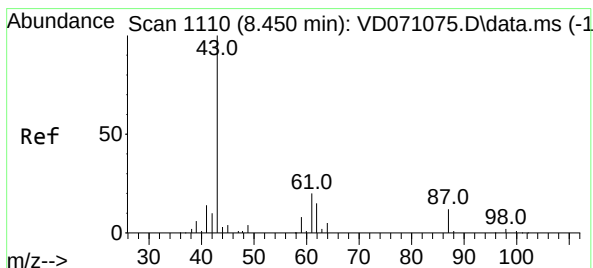
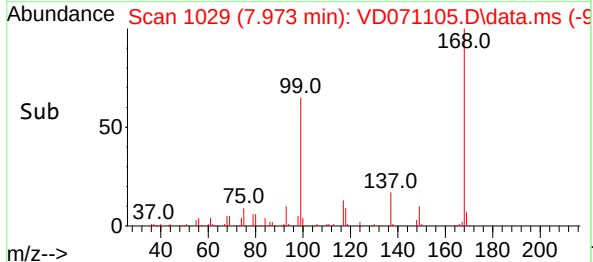
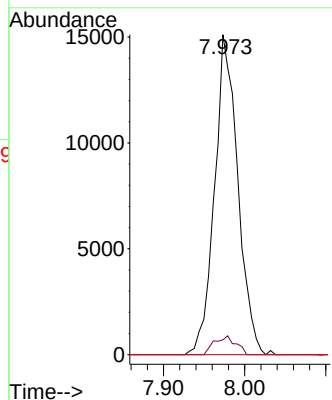
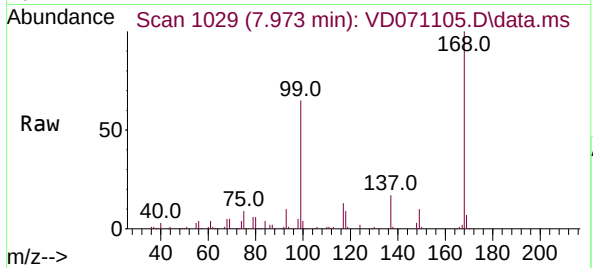




#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

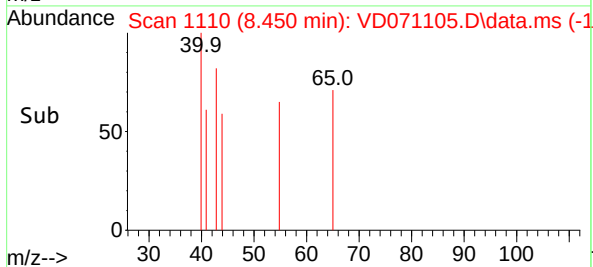
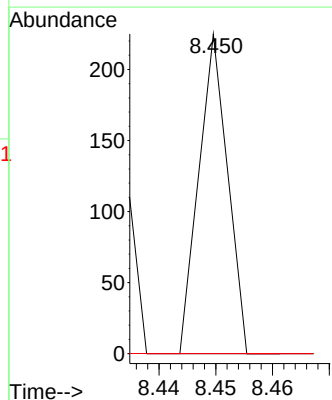
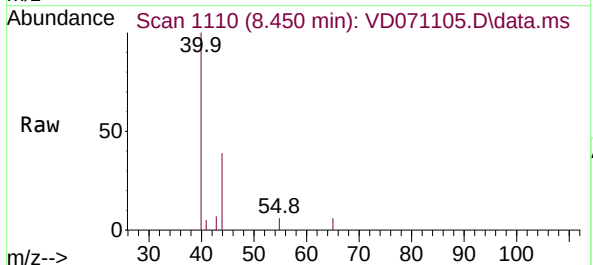
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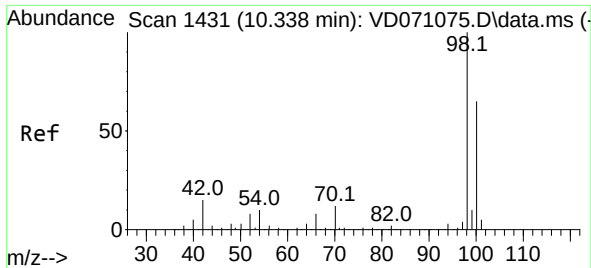
Tgt Ion:117 Resp: 30127
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

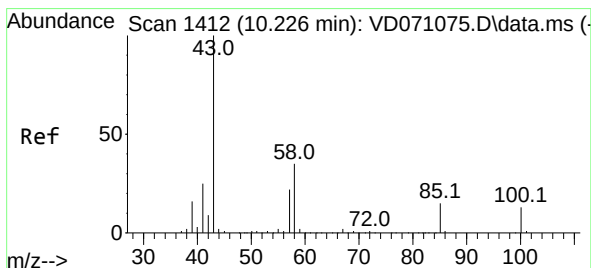
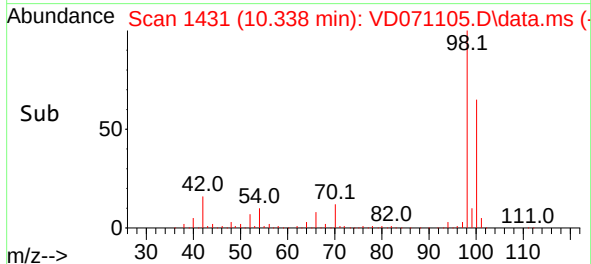
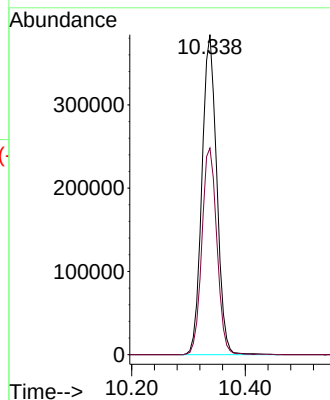
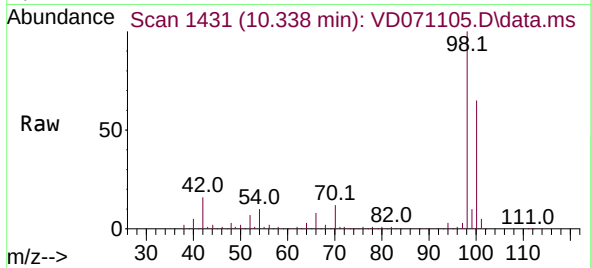




#50
Toluene-d8
Concen: 53.207 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

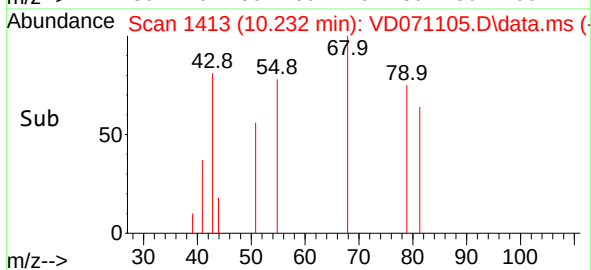
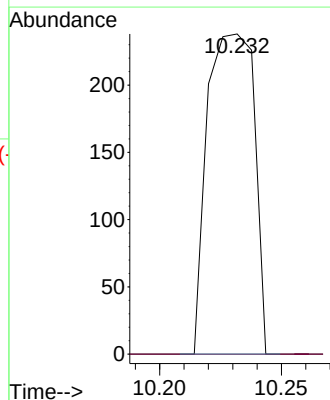
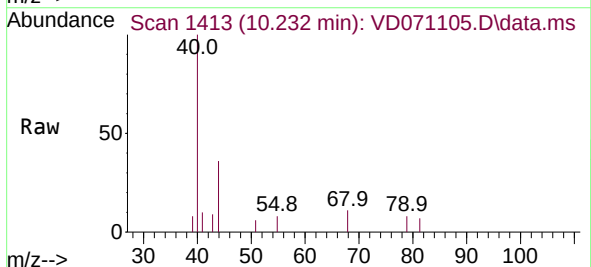
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

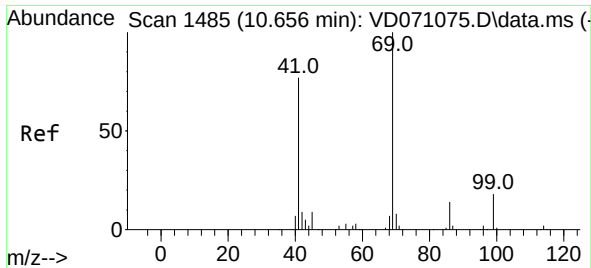
Tgt Ion: 98 Resp: 693950
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.766 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

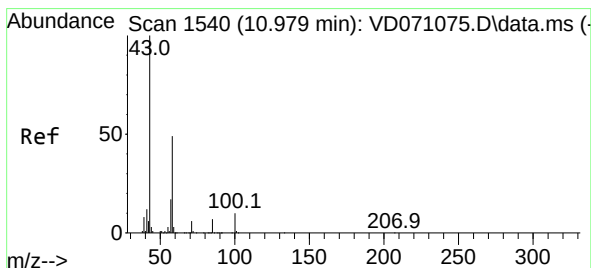
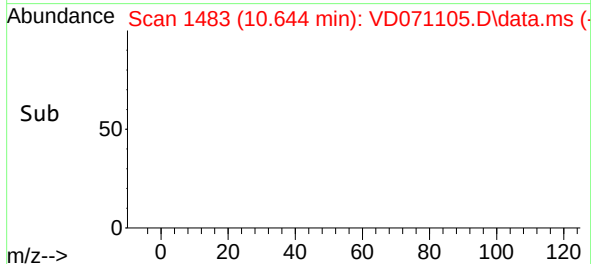
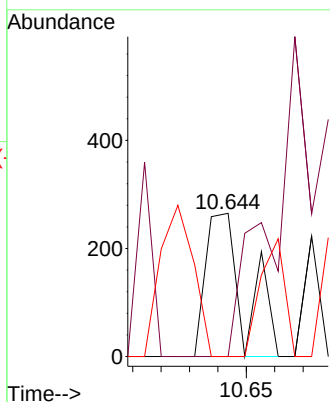
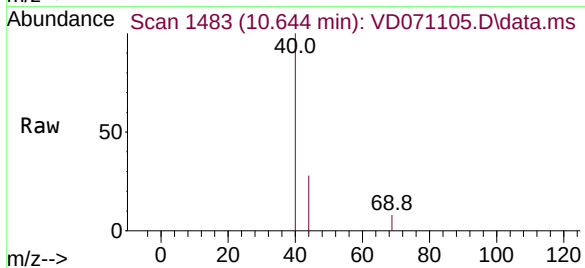




#56
Ethyl methacrylate
Concen: 6.034 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

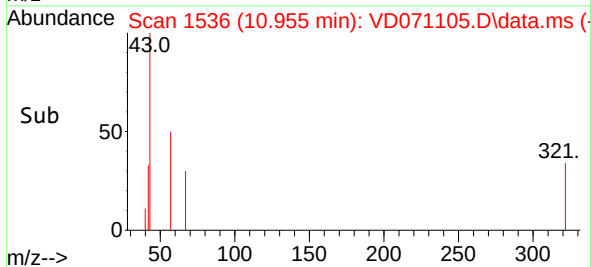
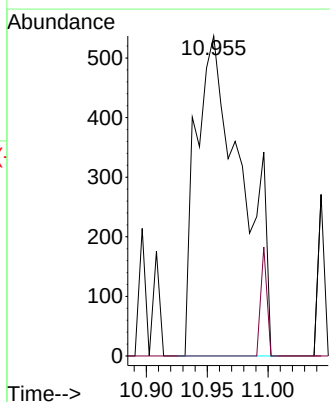
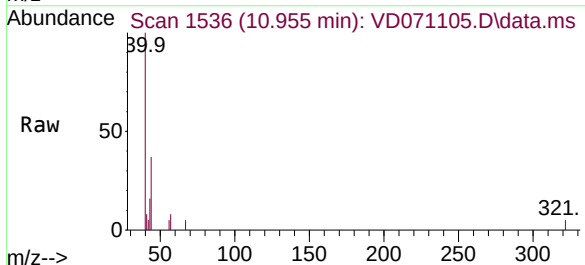
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

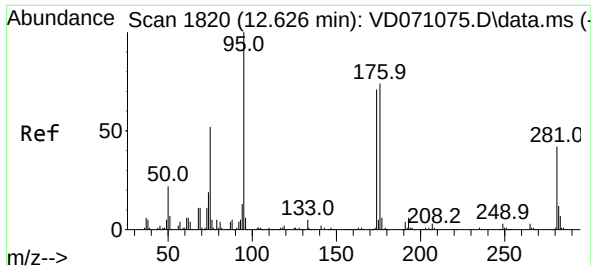
Tgt Ion: 69 Resp: 253
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 51.4 19.8 29.8#



#59
2-Hexanone
Concen: 35.231 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

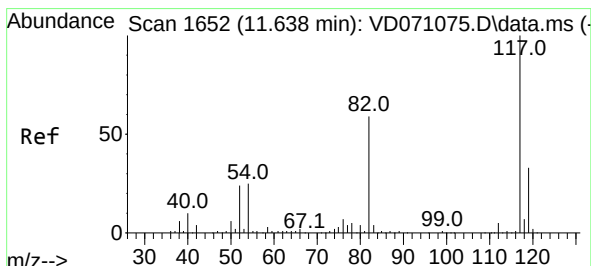
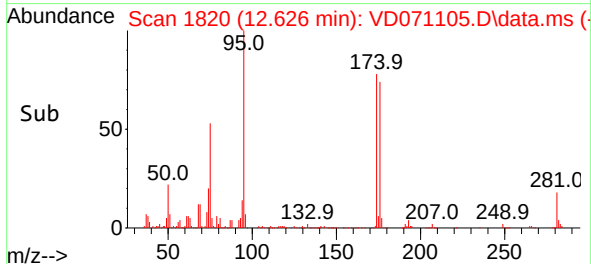
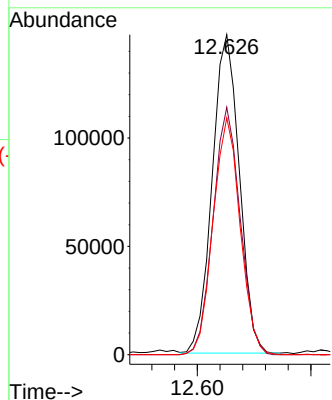
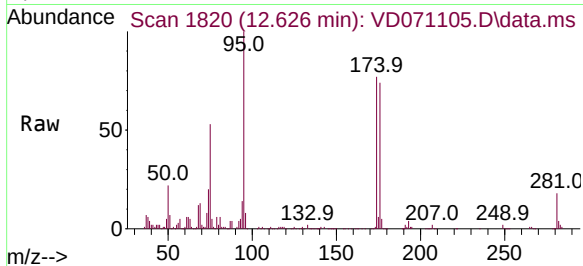




#62
4-Bromofluorobenzene
Concen: 53.841 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

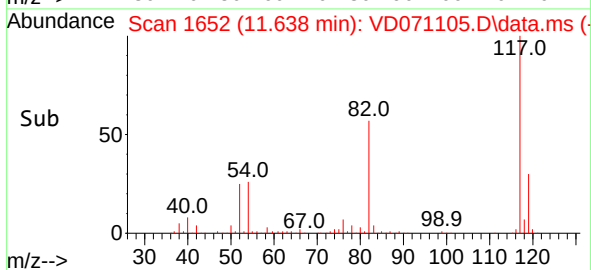
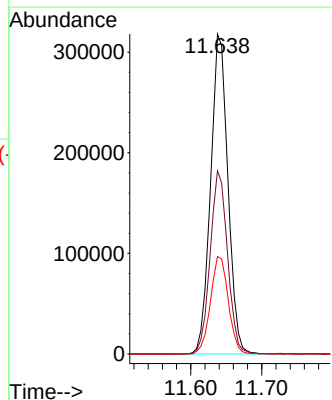
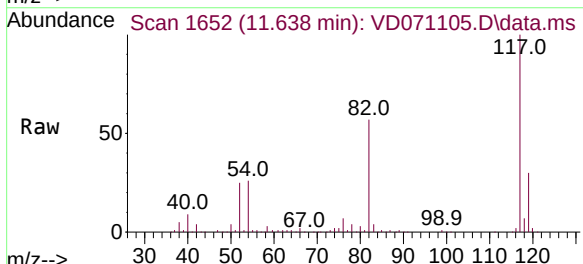
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

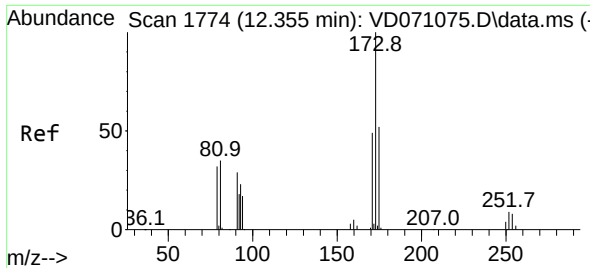
Tgt Ion: 95 Resp: 243415
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 74.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 117 Resp: 538107
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 30.4 26.2 39.4

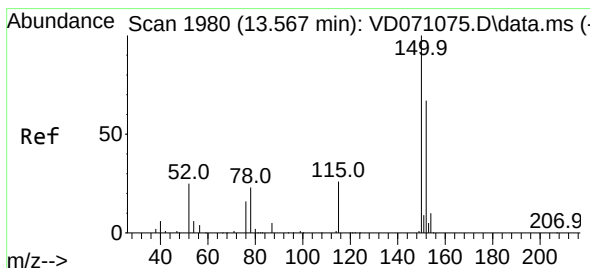
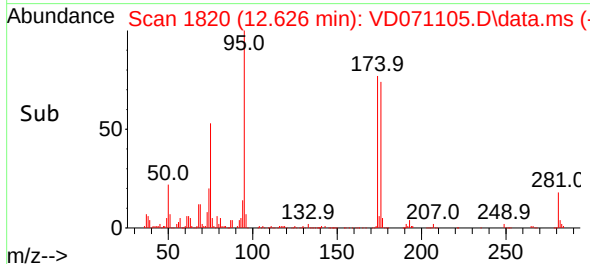
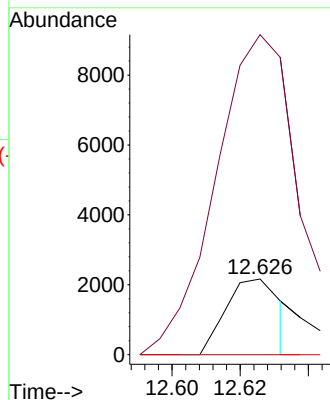
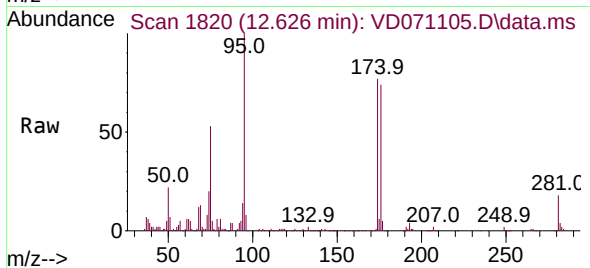




#71
Bromoform
Concen: 1.265 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

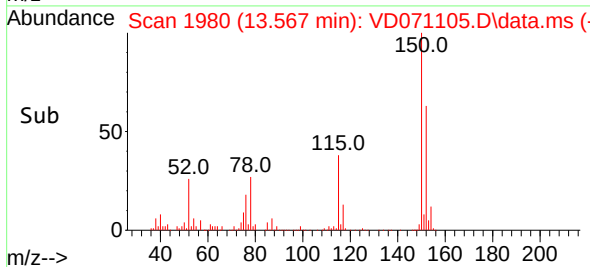
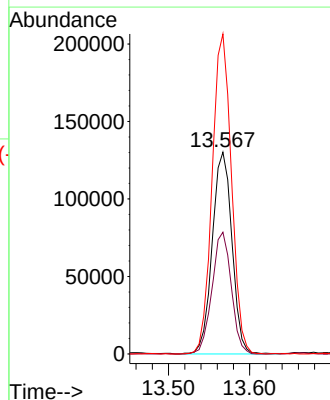
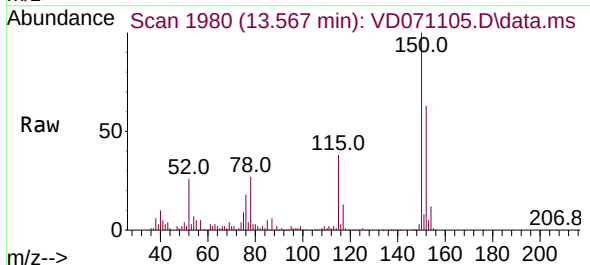
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

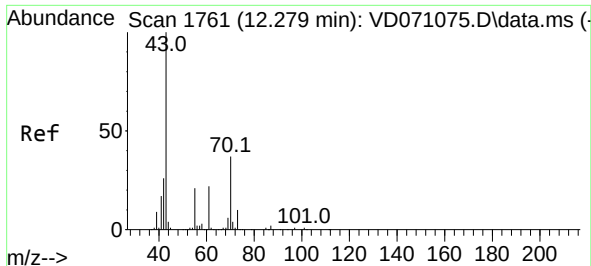
Tgt Ion:173 Resp: 2389
Ion Ratio Lower Upper
173 100
175 535.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion:152 Resp: 219758
Ion Ratio Lower Upper
152 100
115 58.8 29.8 89.3
150 154.8 0.0 349.2

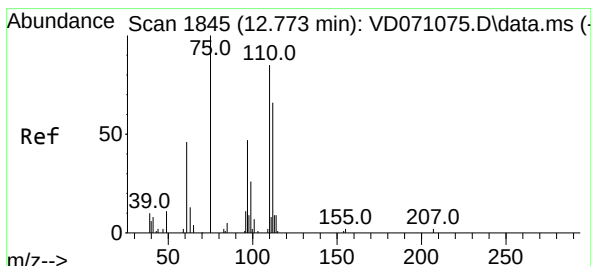
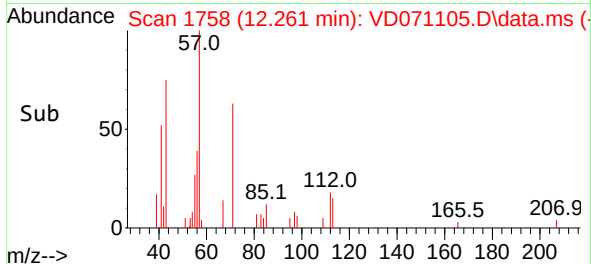
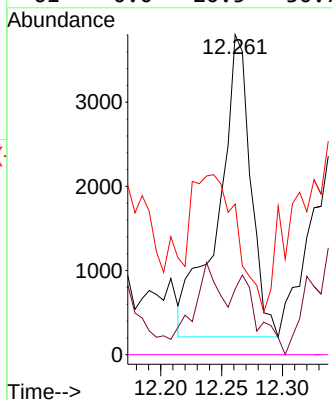
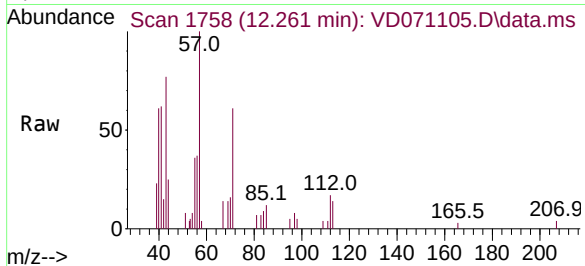




#74
N-amy1 acetate
Concen: 7.048 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

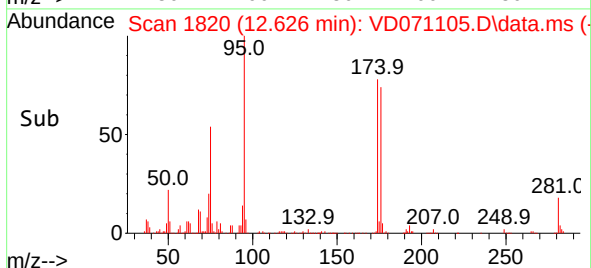
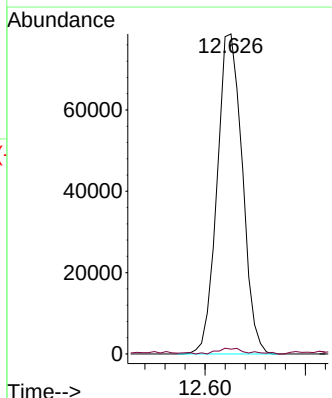
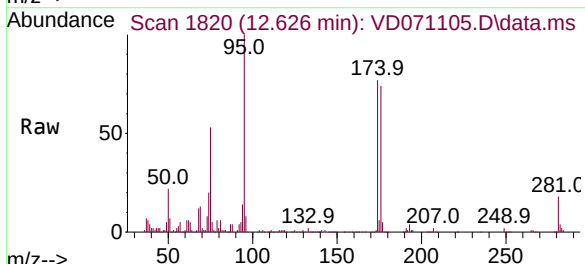
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

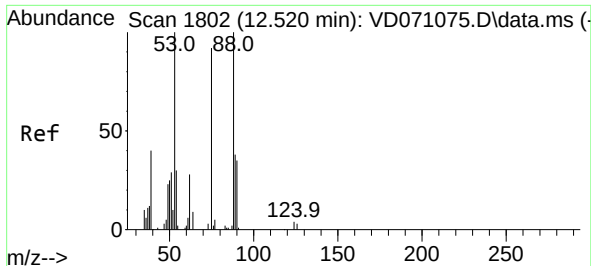
Tgt Ion: 43	Resp: 6623
Ion Ratio	Lower Upper
43 100	
70 19.9	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 65.331 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071105.D
Acq: 01 Dec 2021 14:25

Tgt Ion: 75	Resp: 136788
Ion Ratio	Lower Upper
75 100	
77 2.0	158.4 475.3#

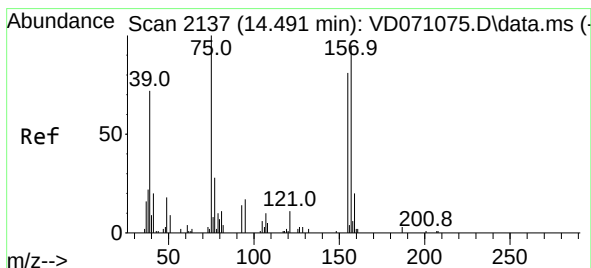
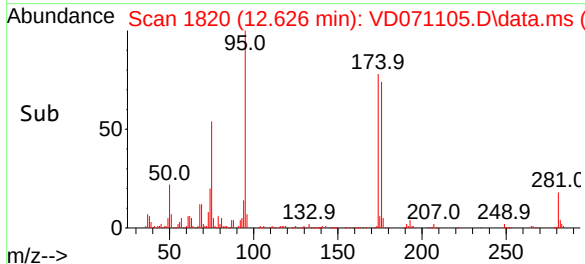
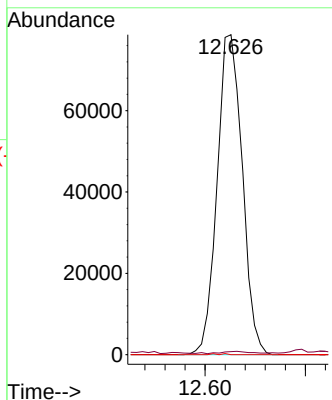
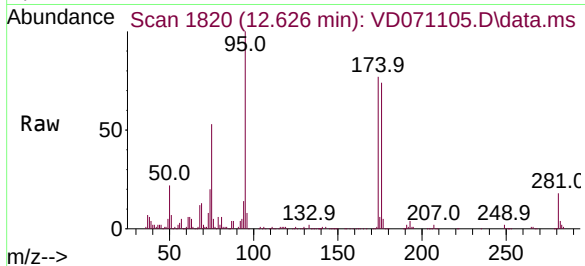




#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.934 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071105.D
 Acq: 01 Dec 2021 14:25

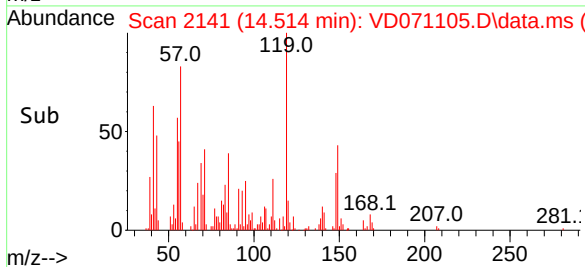
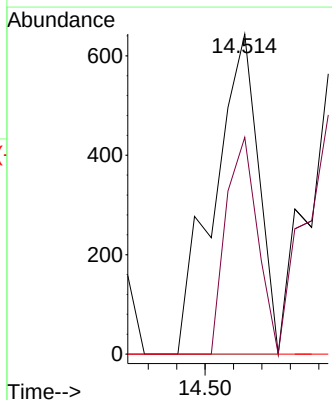
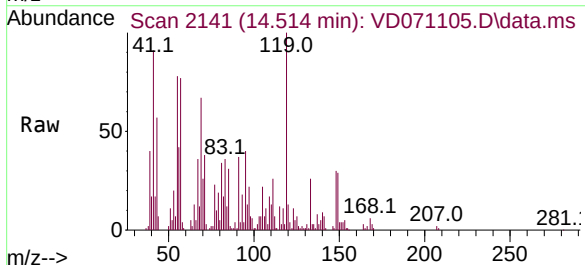
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3

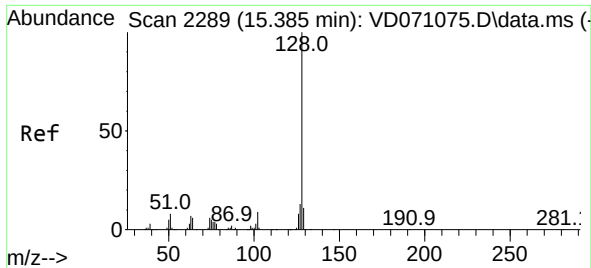
Tgt Ion: 75 Resp: 136788
 Ion Ratio Lower Upper
 75 100
 53 0.8 62.6 94.0#
 89 0.0 34.5 51.7#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.631 ug/l
 RT: 14.514 min Scan# 2141
 Delta R.T. 0.023 min
 Lab File: VD071105.D
 Acq: 01 Dec 2021 14:25

Tgt Ion: 75 Resp: 696
 Ion Ratio Lower Upper
 75 100
 155 48.3 40.0 120.0
 157 0.0 49.8 149.3#





#95

Naphthalene

Concen: 1.558 ug/l

RT: 15.349 min Scan# 21

Delta R.T. -0.036 min

Lab File: VD071105.D

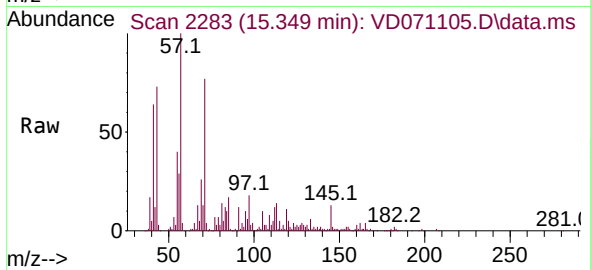
Acq: 01 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3



Tgt Ion:128 Resp: 9998

Ion Ratio Lower Upper

128 100

127 66.5 10.7 16.1#

129 79.4 8.7 13.1#

