

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071156.D
 Acq On : 04 Dec 2021 21:04
 Operator : VA/SY
 Sample : M4927-12
 Misc : 5.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:28 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)

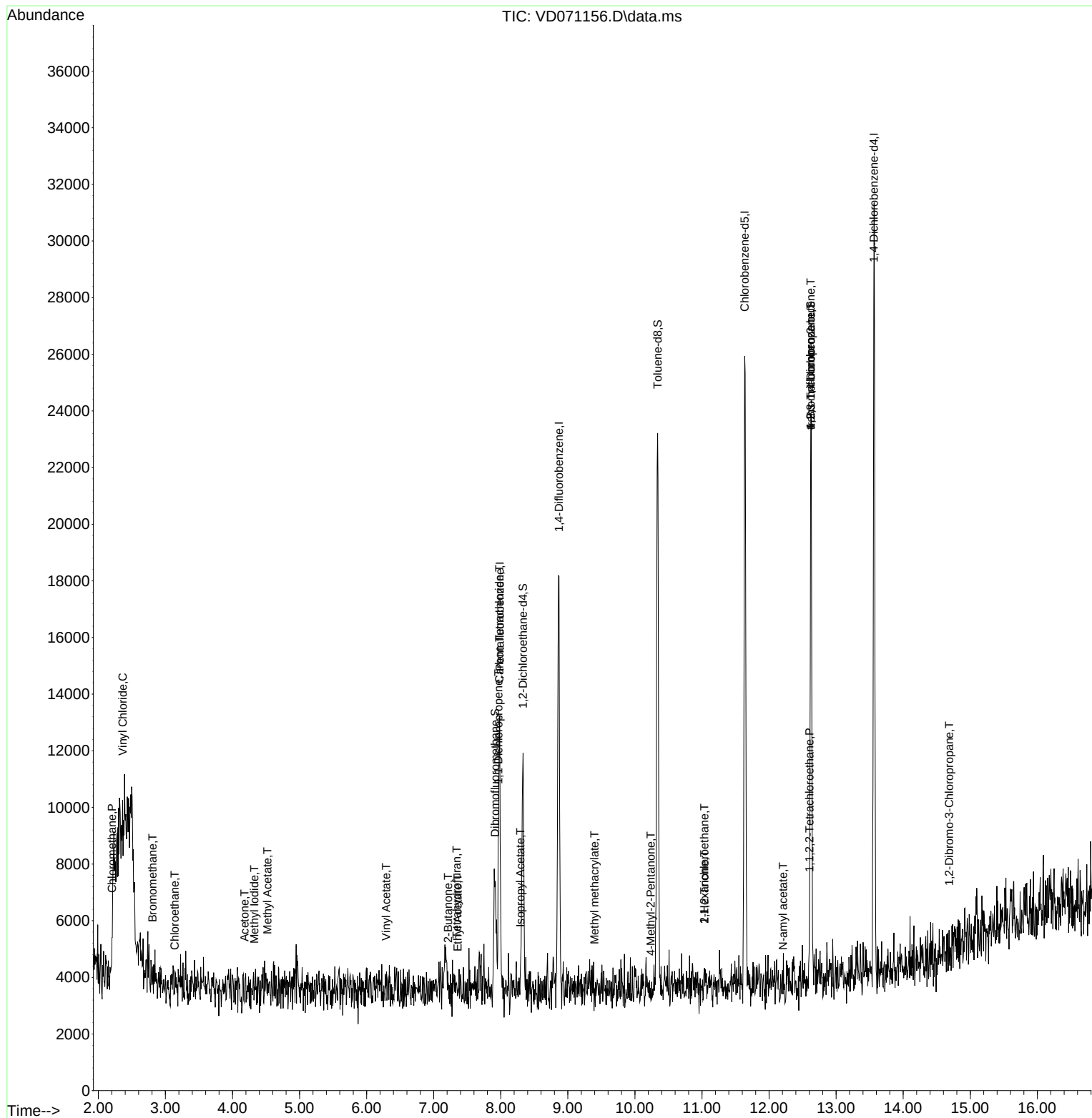
Internal Standards						
1) Pentafluorobenzene	7.985	168	6650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	10820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	13356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	6322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5911	75.753	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.500%	
35) Dibromofluoromethane	7.914	113	2741	39.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.560%	
50) Toluene-d8	10.338	98	13490	51.449	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.900%	
62) 4-Bromofluorobenzene	12.620	95	6059	66.664	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	79	1.053	ug/l #	42
4) Vinyl Chloride	2.362	62	84	1.004	ug/l #	42
5) Bromomethane	2.809	94	330	5.469	ug/l	96
6) Chloroethane	3.138	64	61	1.060	ug/l #	39
10) Methyl Iodide	4.326	142	276	7.786	ug/l #	40
16) Acetone	4.179	43	69	33.716	ug/l #	40
18) Methyl Acetate	4.520	43	63	1.094	ug/l #	51
20) Methylene Chloride	4.962	84	201	Below Cal	#	55
23) Vinyl Acetate	6.291	43	142	28.214	ug/l #	72
25) 2-Butanone	7.214	43	71	30.989	ug/l #	45
29) Tetrahydrofuran	7.344	42	57	4.600	ug/l #	34
36) 1,1-Dichloropropene	7.967	75	407	4.025	ug/l #	41
37) Ethyl Acetate	7.356	43	55	1.259	ug/l #	66
38) Carbon Tetrachloride	7.979	117	552	5.537	ug/l #	12
41) Methacrylonitrile	7.556	41	55	Below Cal	#	12
43) Isopropyl Acetate	8.291	43	61	5.791	ug/l #	47
48) Methyl methacrylate	9.397	41	132	3.087	ug/l #	29
51) 4-Methyl-2-Pentanone	10.238	43	79	32.059	ug/l #	34
55) 1,1,2-Trichloroethane	11.038	97	56	1.139	ug/l #	16
59) 2-Hexanone	11.038	43	56	35.874	ug/l #	22
74) N-amyl acetate	12.208	43	59	6.118	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.602	83	107	1.419	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	3981	66.093	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	3981	142.510	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.685	75	61	4.969	ug/l #	4

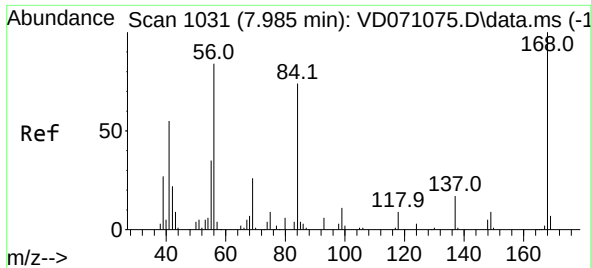
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
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Acq On : 04 Dec 2021 21:04
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Misc : 5.92G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

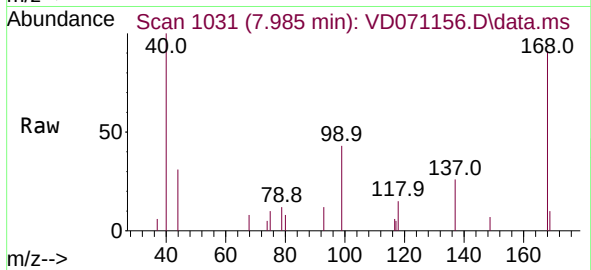
Quant Time: Dec 06 04:34:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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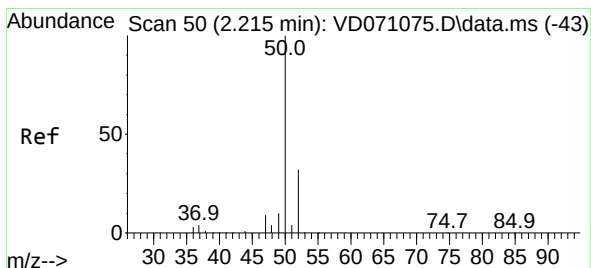
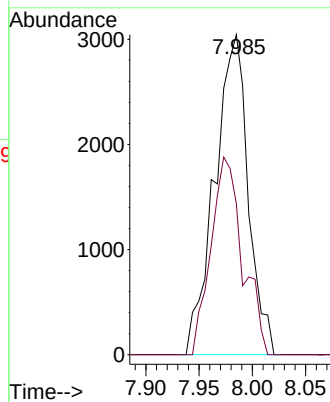
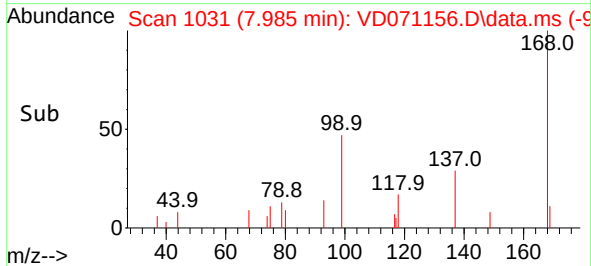


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Instrument :
MSVOA_D
ClientSampleId :

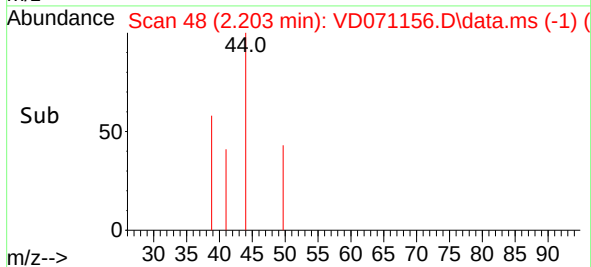
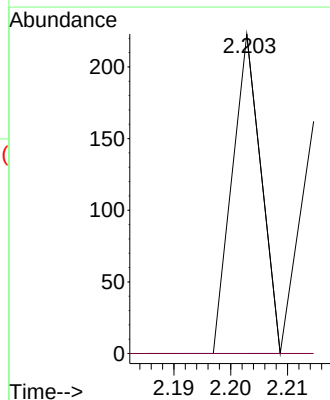
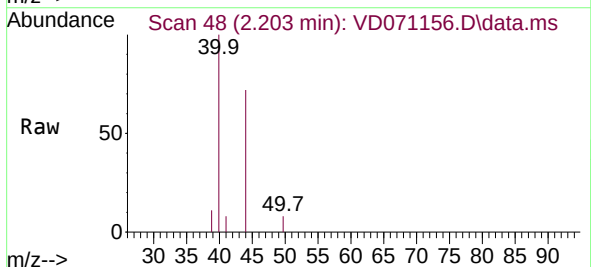


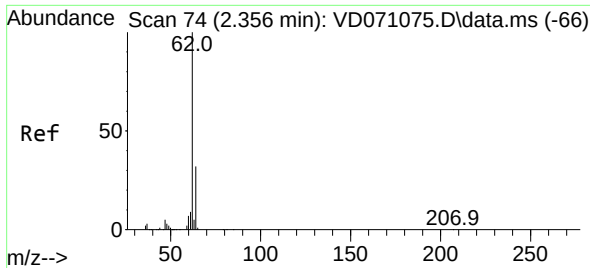
Tgt Ion:168 Resp: 6650
Ion Ratio Lower Upper
168 100
99 47.2 46.6 69.8



#3
Chloromethane
Concen: 1.053 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.012 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 50 Resp: 79
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

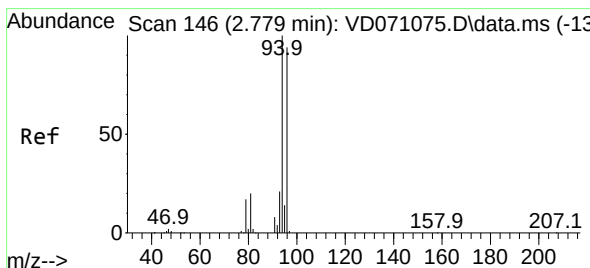
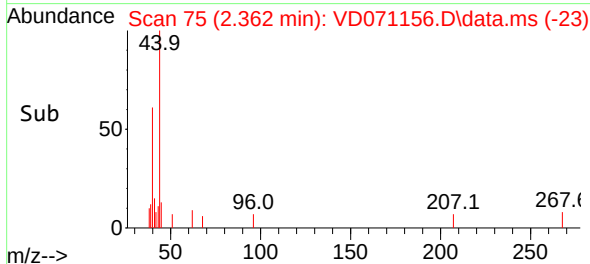
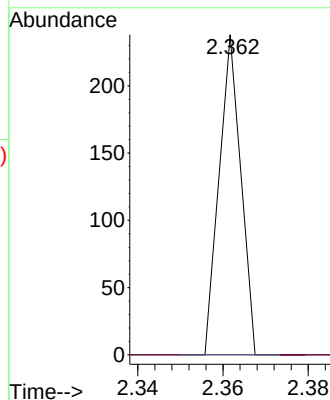
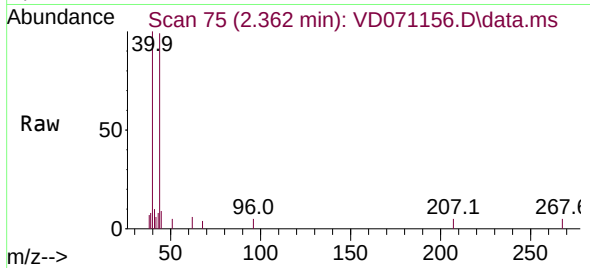




#4
 Vinyl Chloride
 Concen: 1.004 ug/l
 RT: 2.362 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VD071156.D
 Acq: 04 Dec 2021 21:04

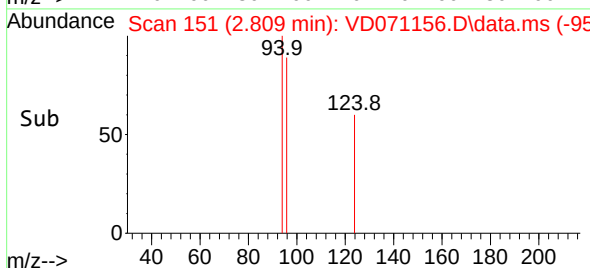
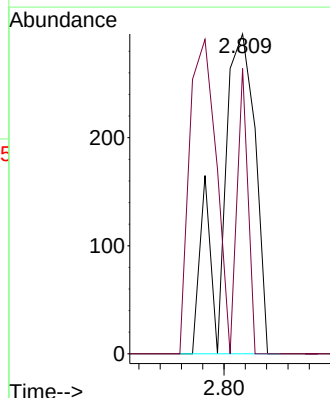
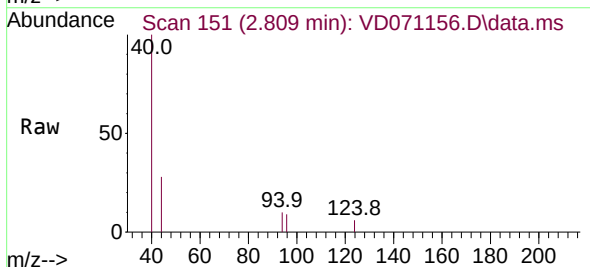
Instrument :
 MSVOA_D
 ClientSampleId :

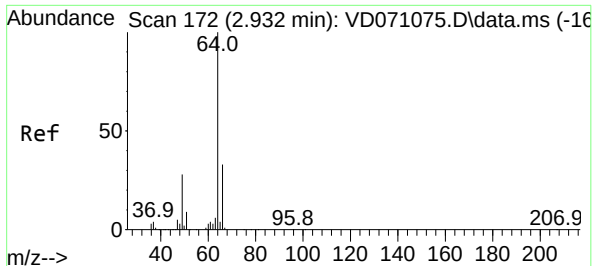
Tgt Ion: 62 Resp: 84
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.0 39.0#



#5
 Bromomethane
 Concen: 5.469 ug/l
 RT: 2.809 min Scan# 151
 Delta R.T. 0.030 min
 Lab File: VD071156.D
 Acq: 04 Dec 2021 21:04

Tgt Ion: 94 Resp: 330
 Ion Ratio Lower Upper
 94 100
 96 89.2 74.8 112.2

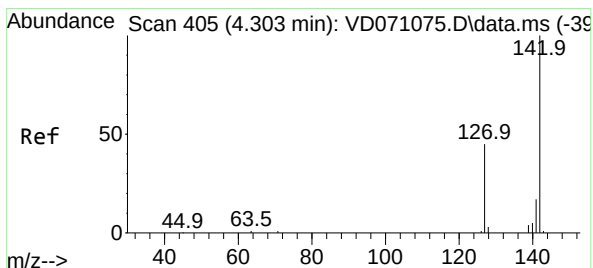
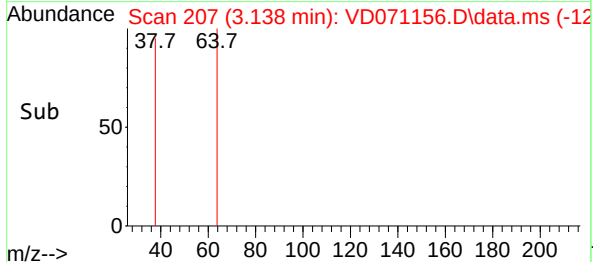
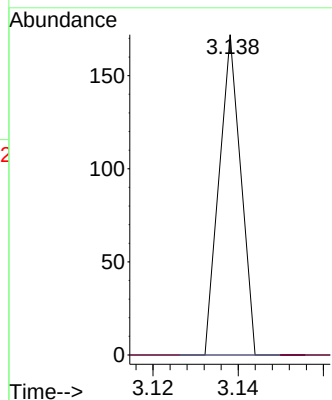
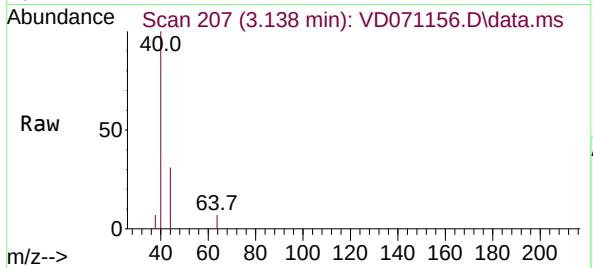




#6
Chloroethane
Concen: 1.060 ug/l
RT: 3.138 min Scan# 20
Delta R.T. 0.206 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

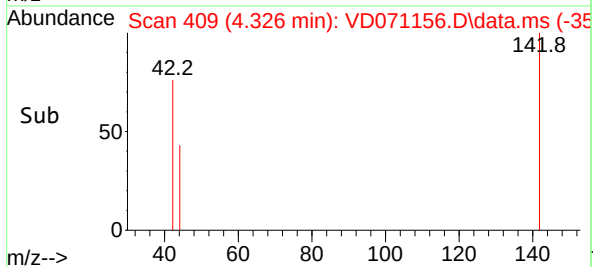
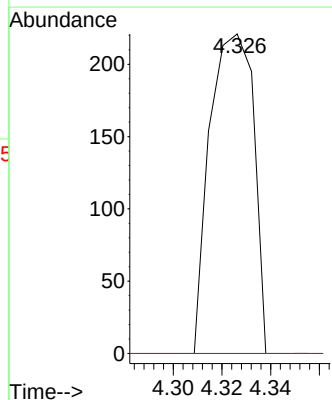
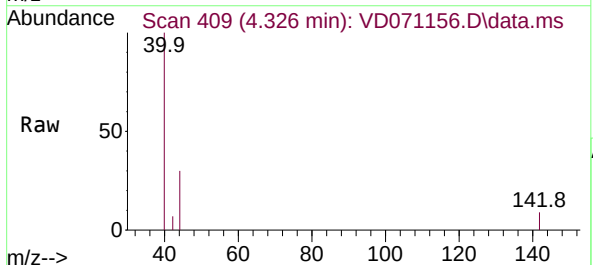
Instrument :
MSVOA_D
ClientSampleId :

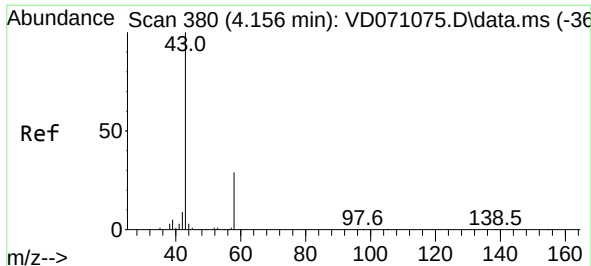
Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



#10
Methyl Iodide
Concen: 7.786 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 142 Resp: 276
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

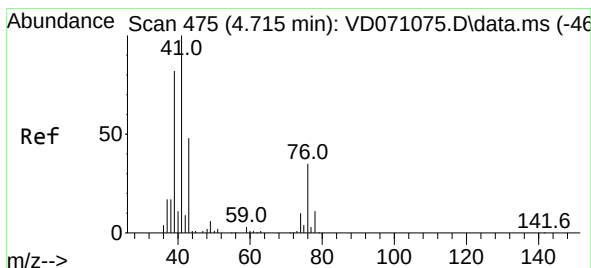
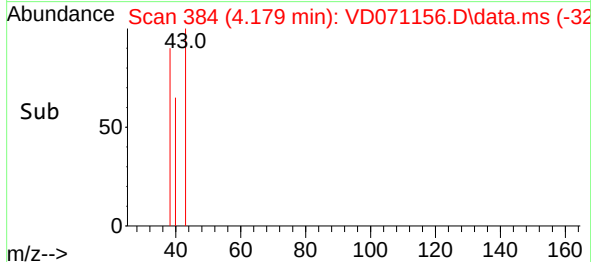
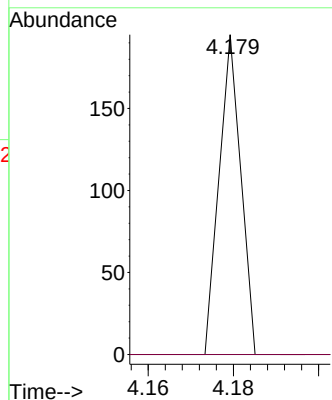
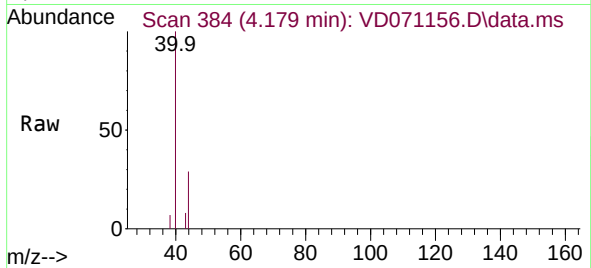




#16
Acetone
Concen: 33.716 ug/l
RT: 4.179 min Scan# 31
Delta R.T. 0.023 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

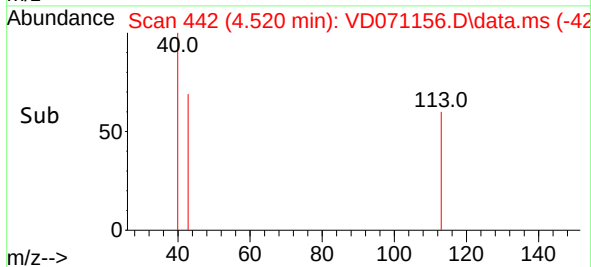
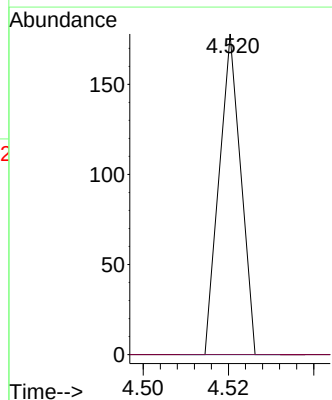
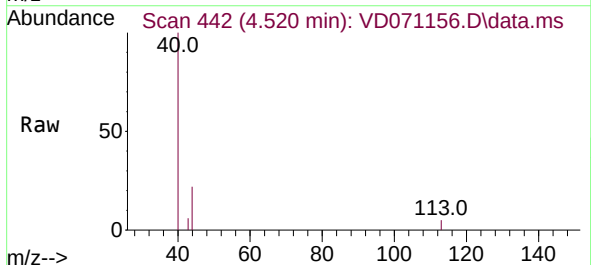
Instrument :
MSVOA_D
ClientSampleId :

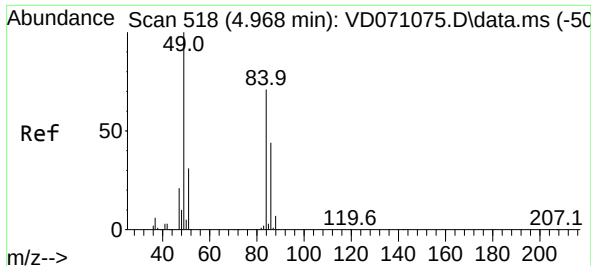
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.094 ug/l
RT: 4.520 min Scan# 442
Delta R.T. -0.195 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

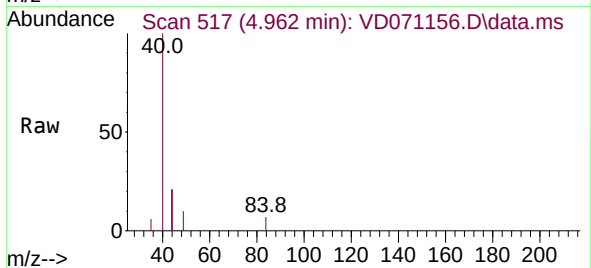
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



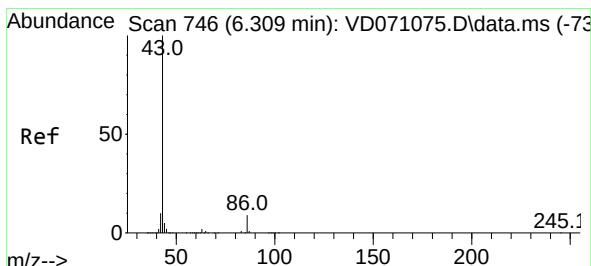
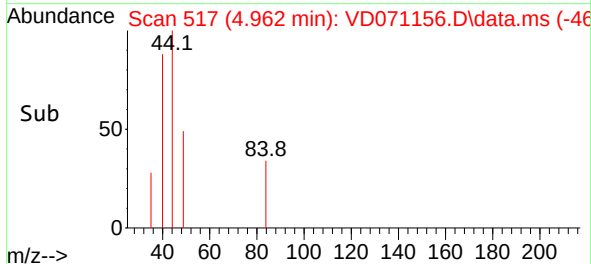
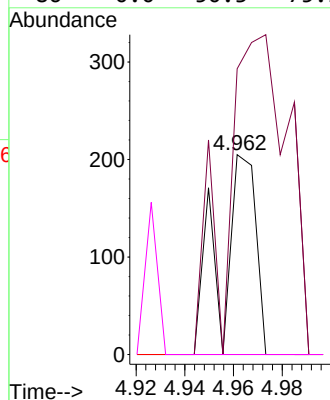


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Instrument :
MSVOA_D
ClientSampleId :

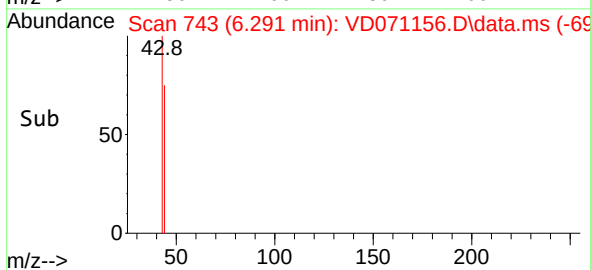
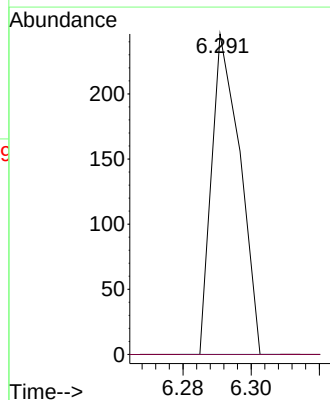
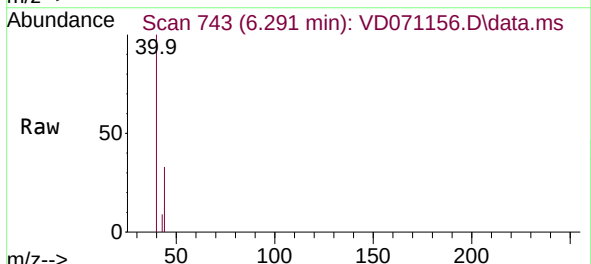


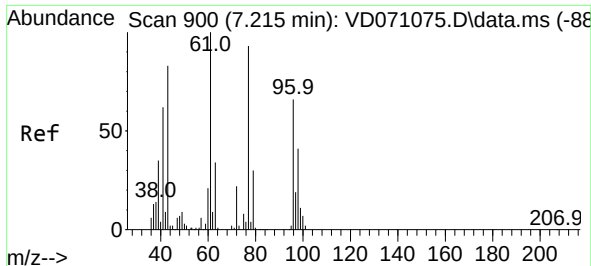
Tgt Ion:	84	Resp:	201
Ion	Ratio	Lower	Upper
84	100		
49	142.9	95.8	143.6
51	0.0	30.9	46.3#
86	0.0	50.3	75.5#



#23
Vinyl Acetate
Concen: 28.214 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion:	43	Resp:	142
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

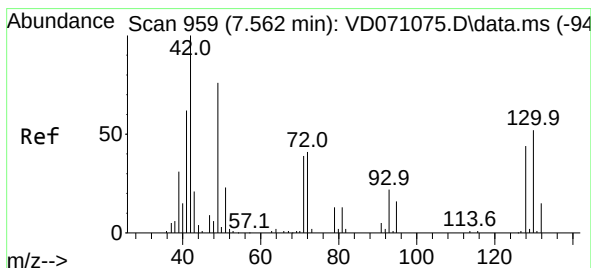
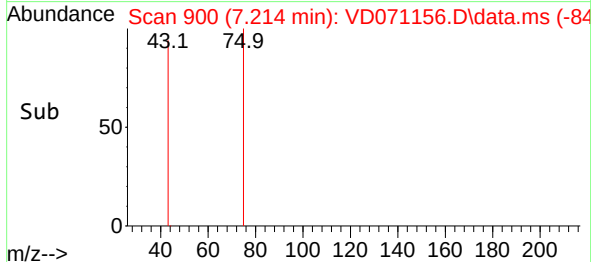
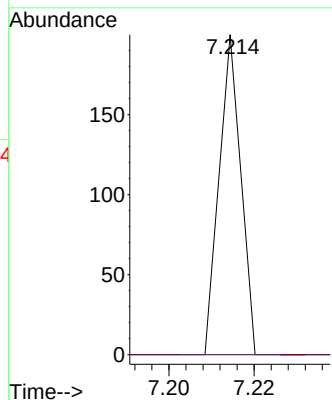
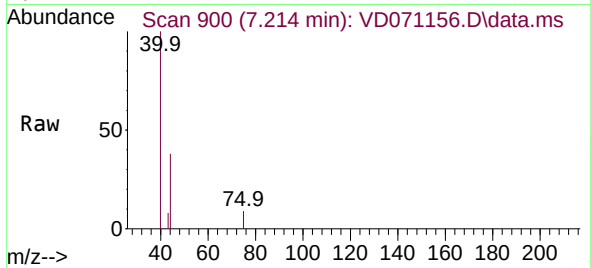




#25
2-Butanone
Concen: 30.989 ug/l
RT: 7.214 min Scan# 901
Delta R.T. -0.001 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

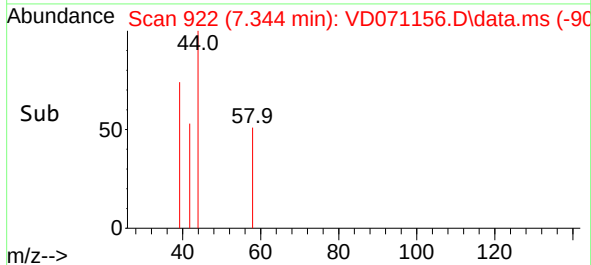
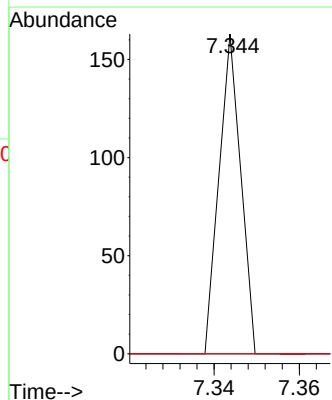
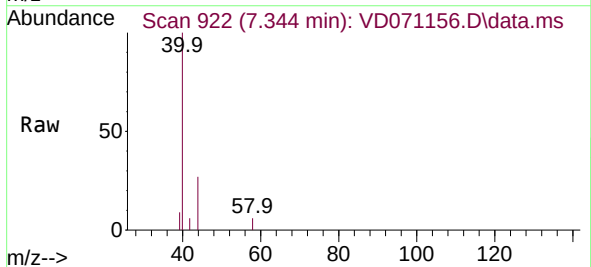
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MSVOA_D
ClientSampleId :

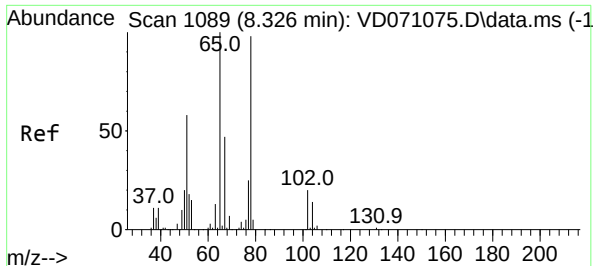
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 4.600 ug/l
RT: 7.344 min Scan# 922
Delta R.T. -0.218 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#

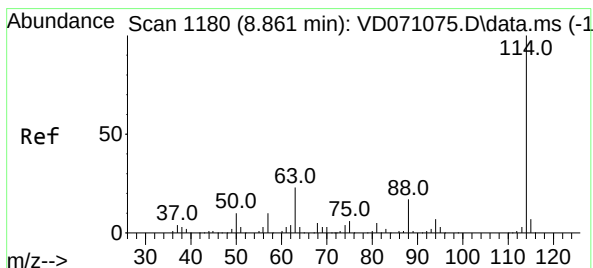
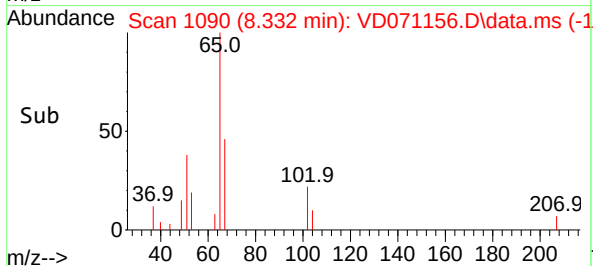
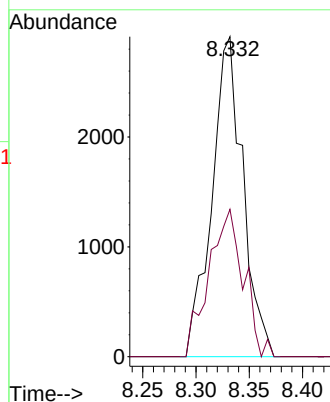
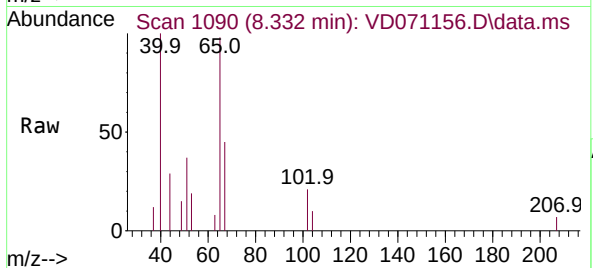




#33
1,2-Dichloroethane-d4
Concen: 75.753 ug/l
RT: 8.332 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

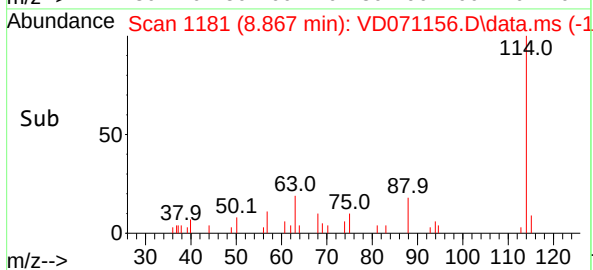
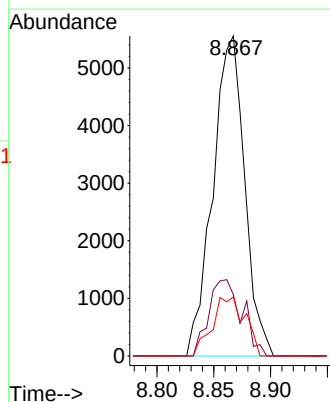
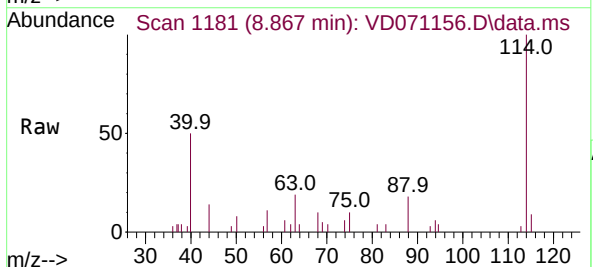
Instrument :
MSVOA_D
ClientSampleId :

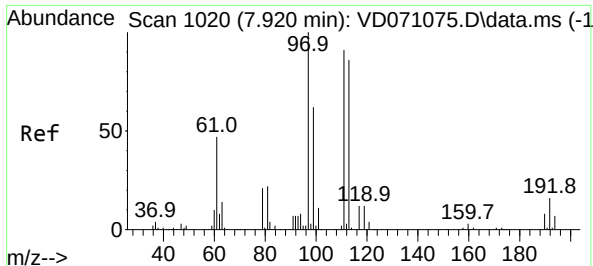
Tgt Ion: 65 Resp: 5911
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 114 Resp: 10820
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.8
88 18.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 39.782 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

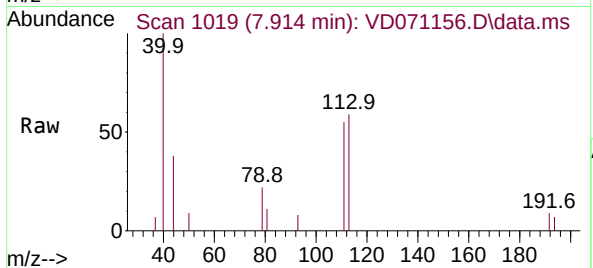
Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

Instrument :

MSVOA_D

ClientSampleId :



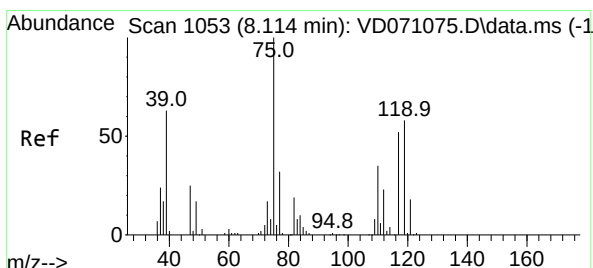
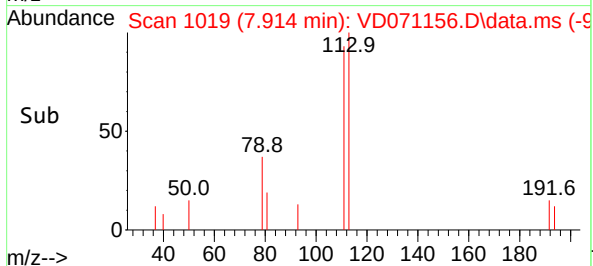
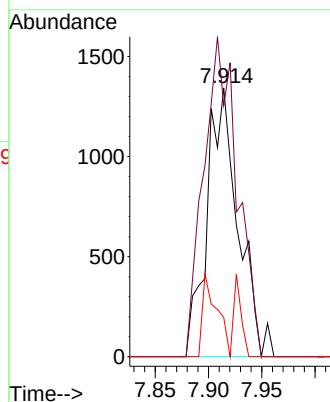
Tgt Ion:113 Resp: 2741

Ion Ratio Lower Upper

113 100

111 128.2 82.0 123.0#

192 7.3 15.2 22.8#



#36

1,1-Dichloropropene

Concen: 4.025 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

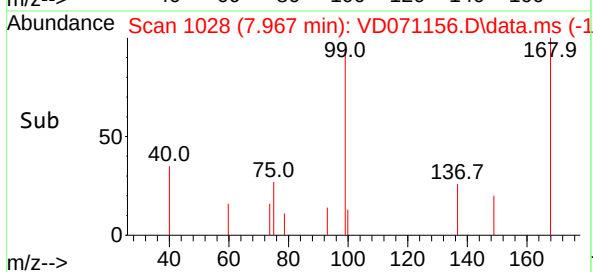
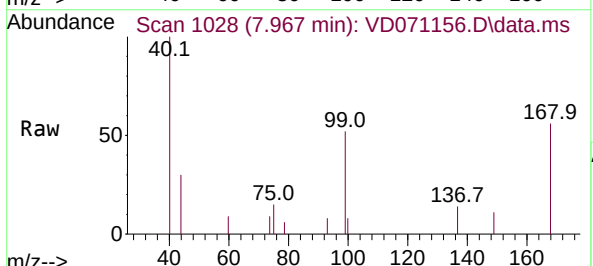
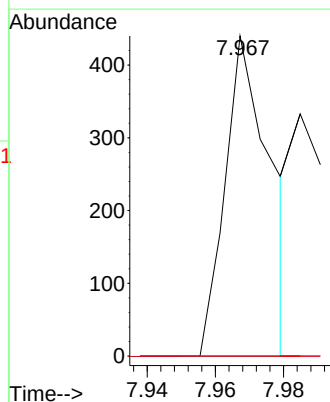
Tgt Ion: 75 Resp: 407

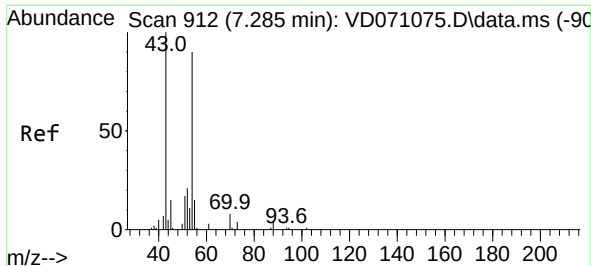
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.259 ug/l

RT: 7.356 min Scan# 91

Delta R.T. 0.071 min

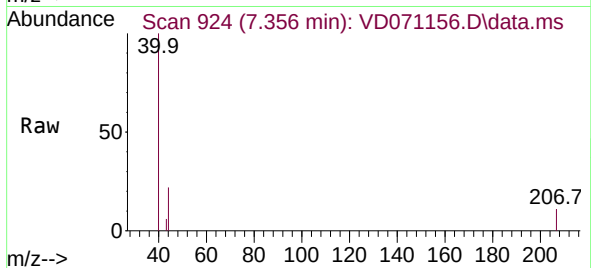
Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

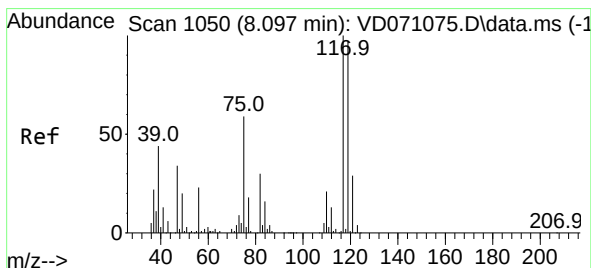
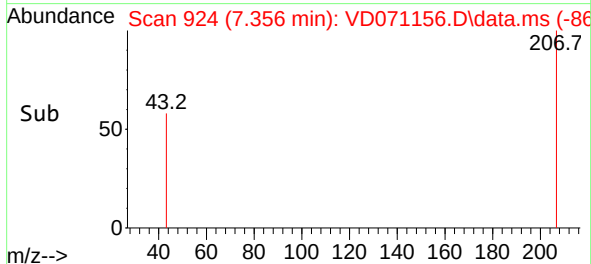
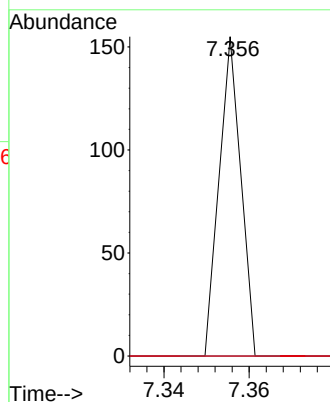
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43	100
61	0.0 13.0 19.6#
70	0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.537 ug/l

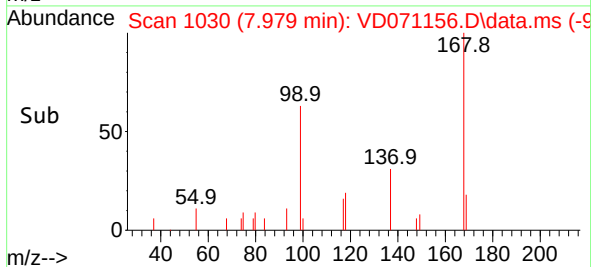
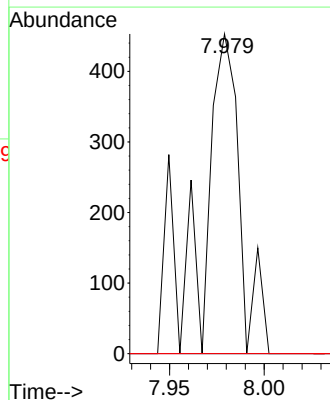
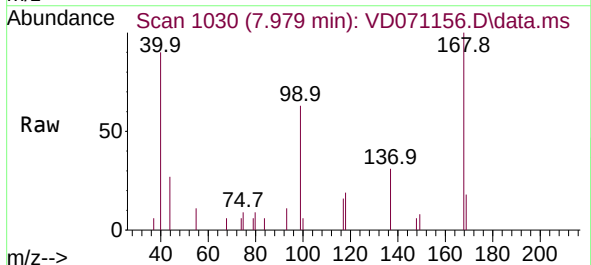
RT: 7.979 min Scan# 1030

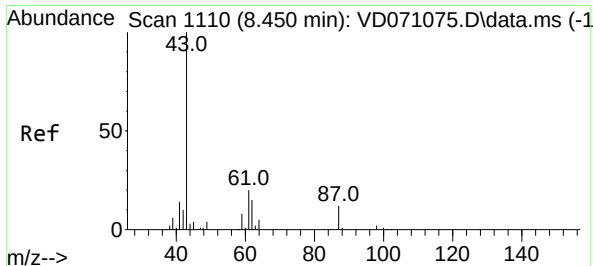
Delta R.T. -0.118 min

Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

Tgt Ion: 117	Resp: 552
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.791 ug/l

RT: 8.291 min Scan# 1083

Delta R.T. -0.159 min

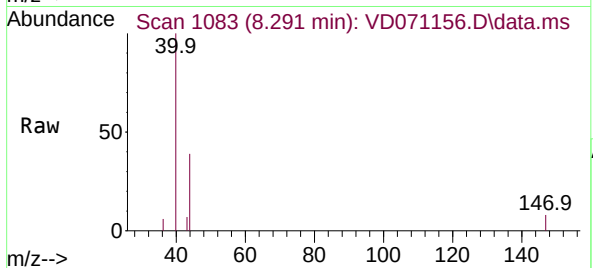
Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

Instrument :

MSVOA_D

ClientSampleId :



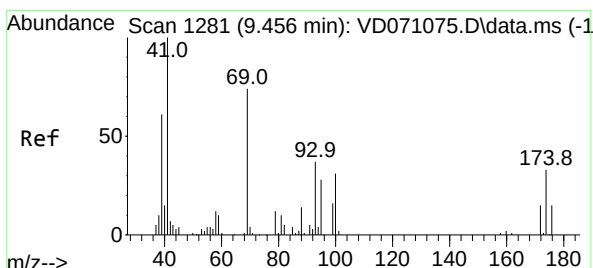
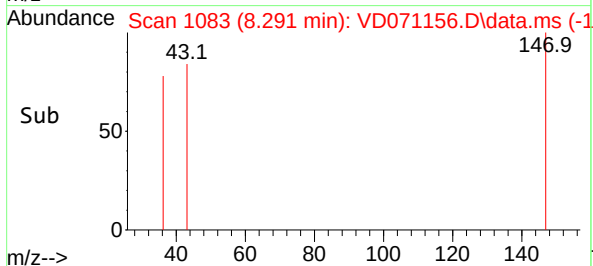
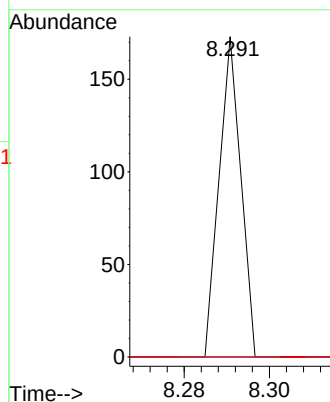
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#48

Methyl methacrylate

Concen: 3.087 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.059 min

Lab File: VD071156.D

Acq: 04 Dec 2021 21:04

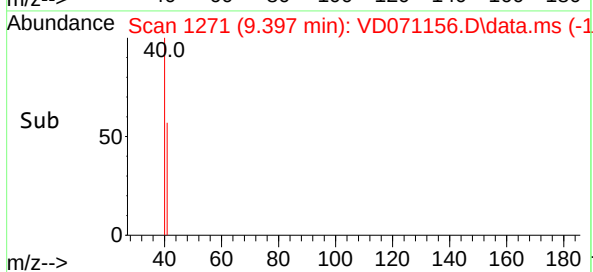
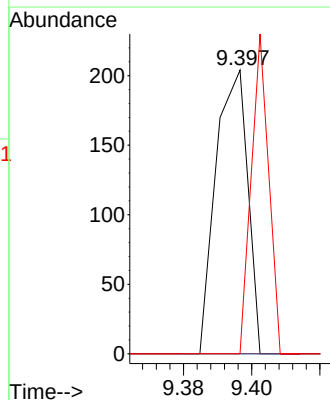
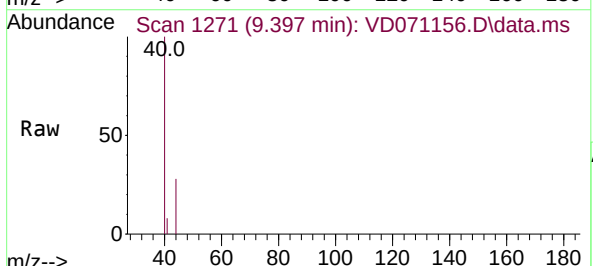
Tgt Ion: 41 Resp: 132

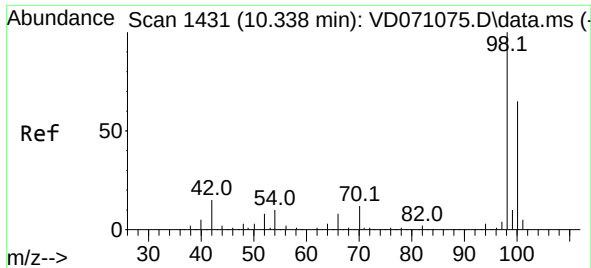
Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 61.4 35.6 53.4#

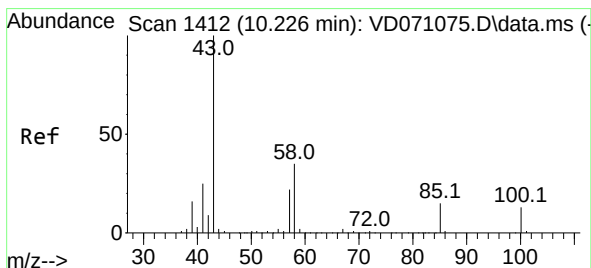
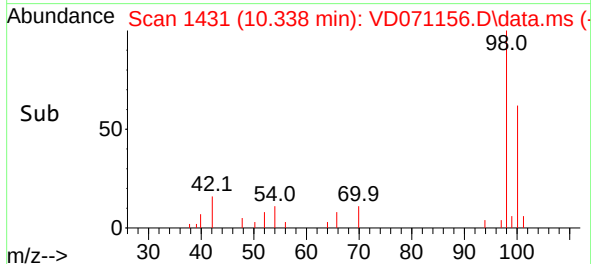
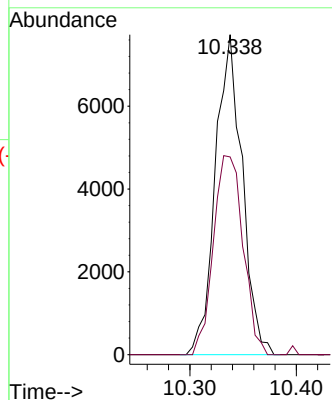
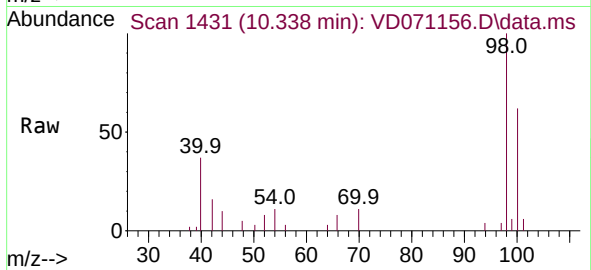




#50
Toluene-d8
Concen: 51.449 ug/l
RT: 10.338 min Scan# 1414
Delta R.T. -0.000 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

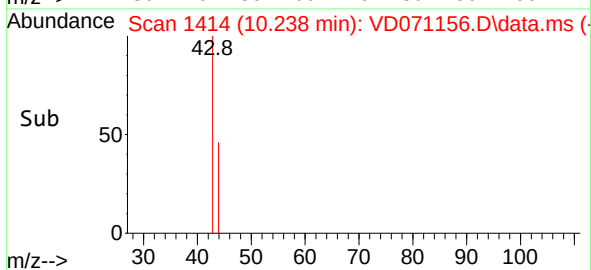
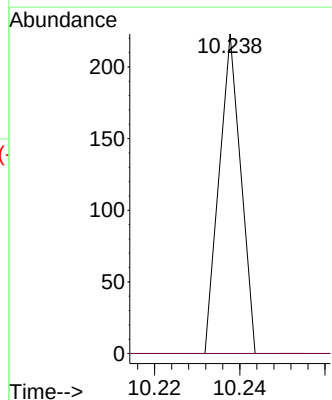
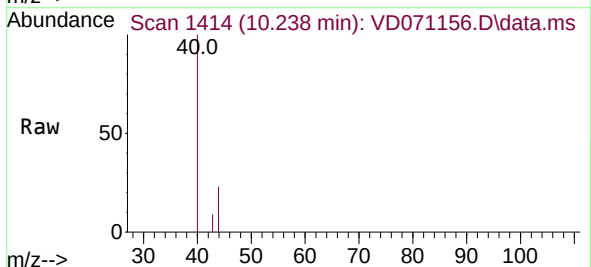
Instrument :
MSVOA_D
ClientSampleId :

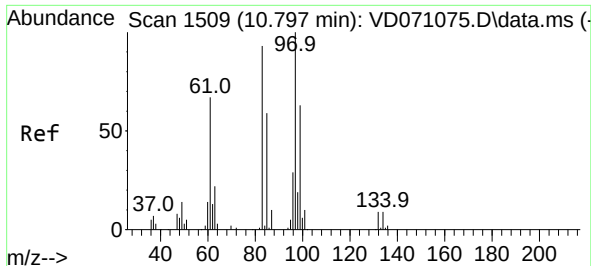
Tgt Ion: 98 Resp: 13490
Ion Ratio Lower Upper
98 100
100 68.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.059 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

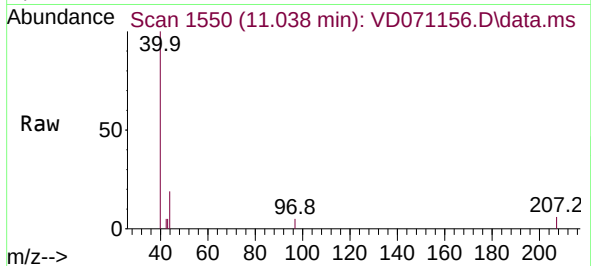
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



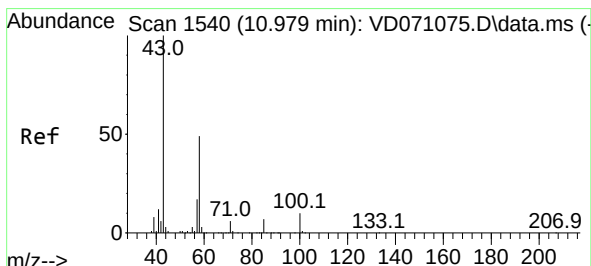
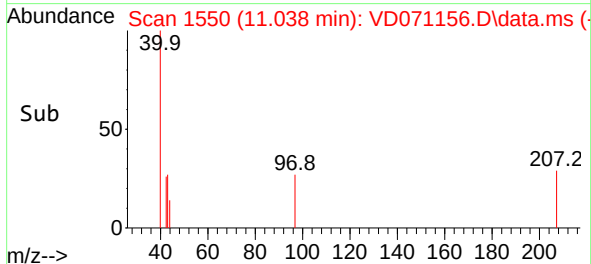
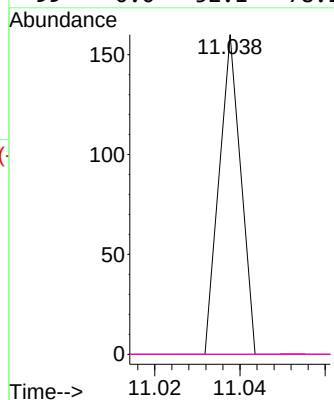


#55
1,1,2-Trichloroethane
Concen: 1.139 ug/l
RT: 11.038 min Scan# 1550
Delta R.T. 0.241 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Instrument :
MSVOA_D
ClientSampleId :

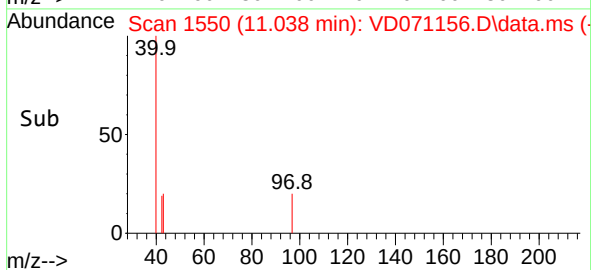
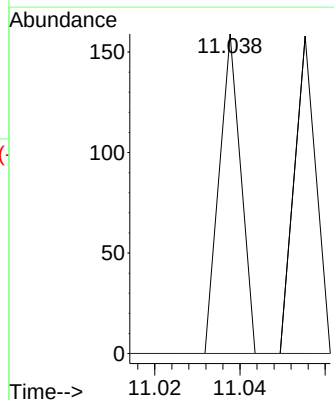
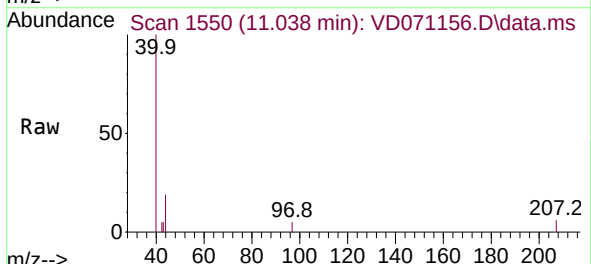


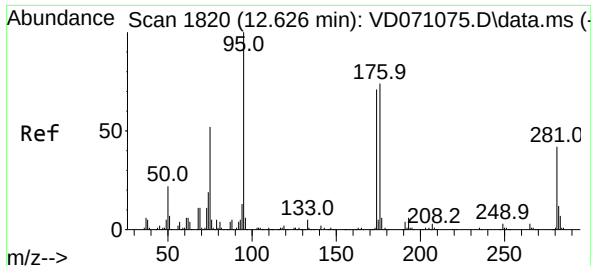
Tgt Ion: 97 Resp: 56
Ion Ratio Lower Upper
97 100
83 0.0 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#



#59
2-Hexanone
Concen: 35.874 ug/l
RT: 11.038 min Scan# 1550
Delta R.T. 0.059 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

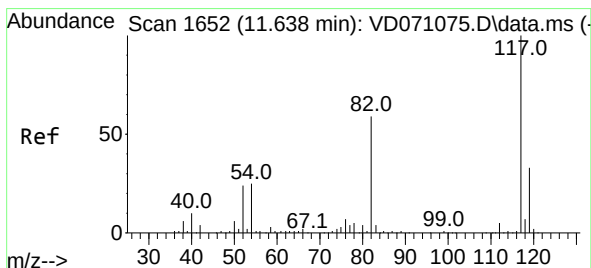
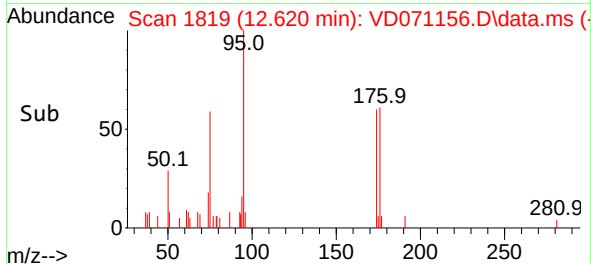
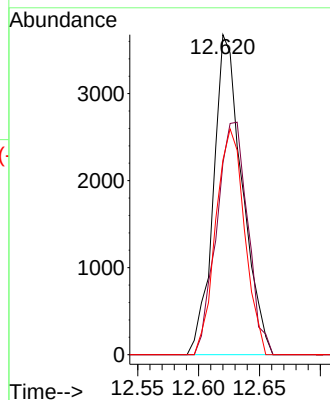
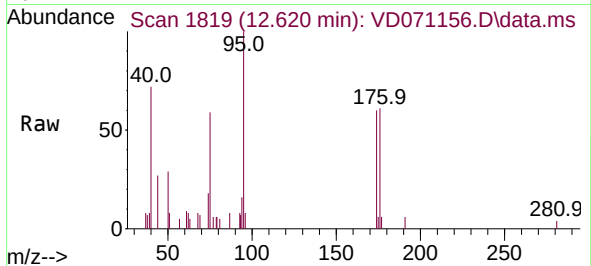




#62
4-Bromofluorobenzene
Concen: 66.664 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

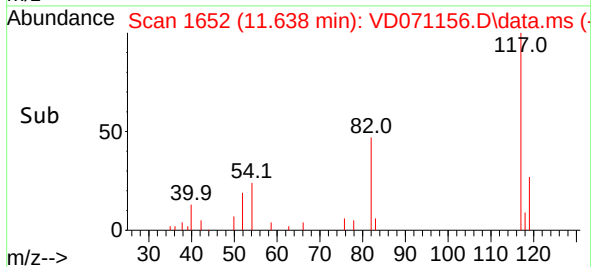
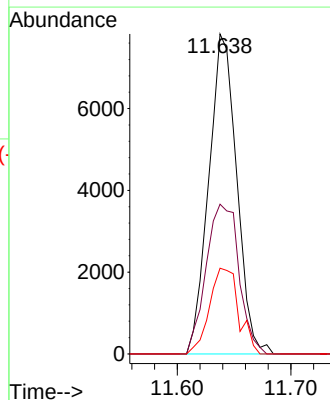
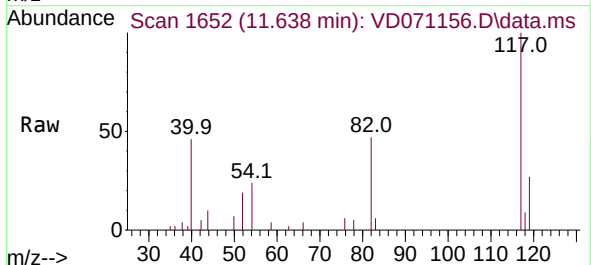
Instrument :
MSVOA_D
ClientSampleId :

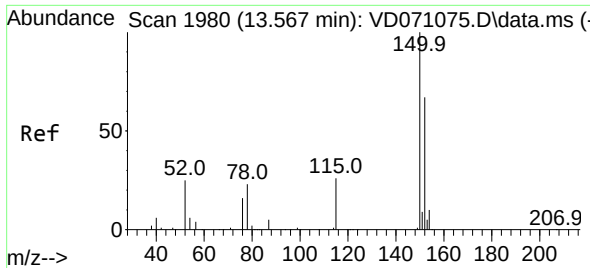
Tgt Ion:	95	Resp:	6059
Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	159.4
176	70.5	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

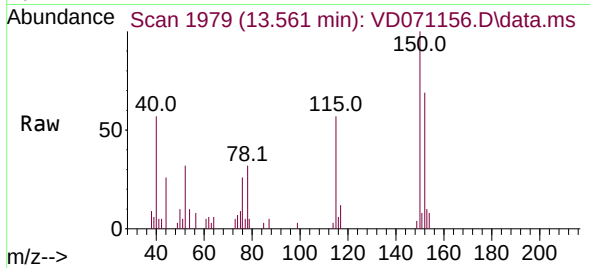
Tgt Ion:	117	Resp:	13356
Ion	Ratio	Lower	Upper
117	100		
82	46.8	44.7	67.1
119	26.8	26.2	39.4



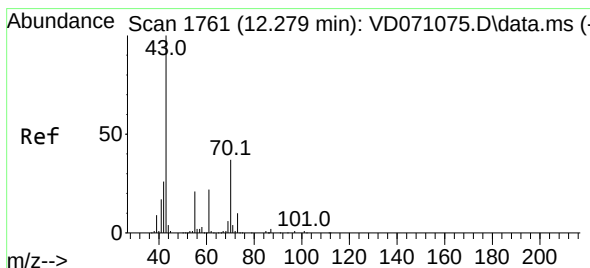
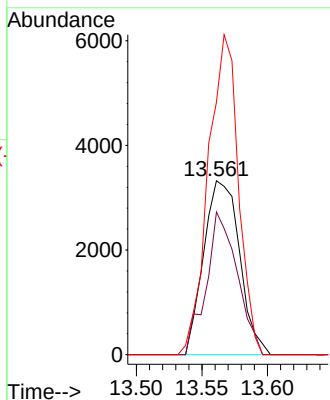
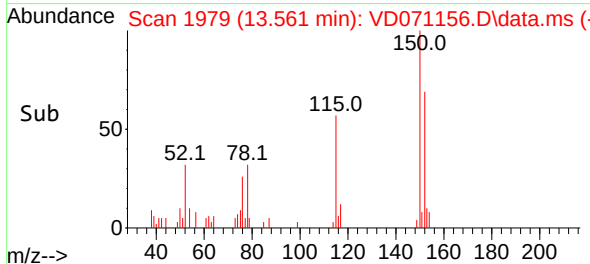


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

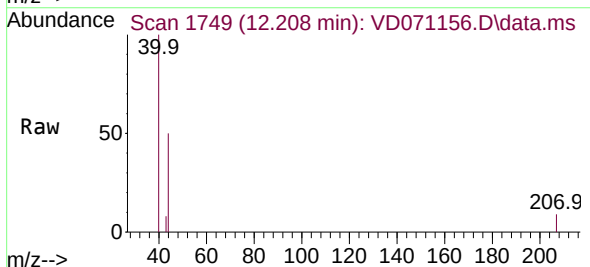
Instrument :
MSVOA_D
ClientSampleId :



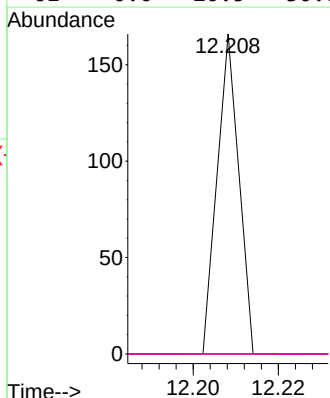
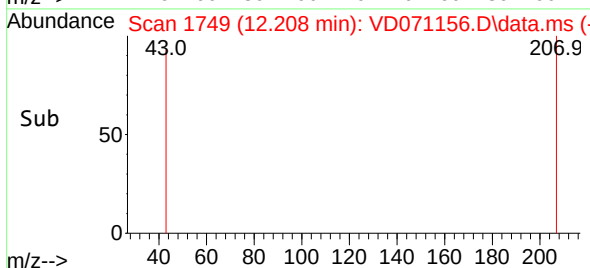
Tgt Ion:152 Resp: 6322
Ion Ratio Lower Upper
152 100
115 70.8 29.8 89.3
150 154.6 0.0 349.2

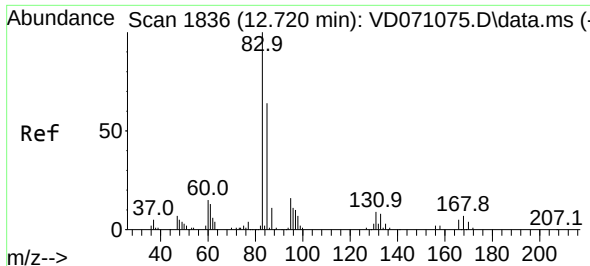


#74
N-ethyl acetate
Concen: 6.118 ug/l
RT: 12.208 min Scan# 1749
Delta R.T. -0.071 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04



Tgt Ion: 43 Resp: 59
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#

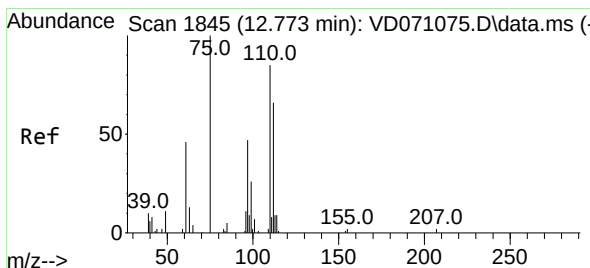
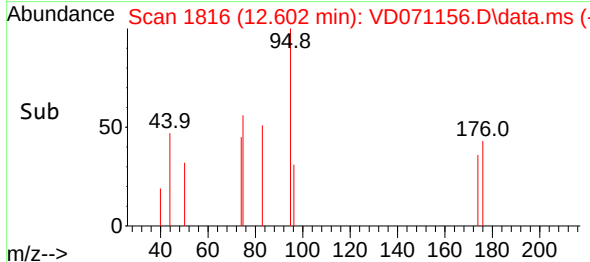
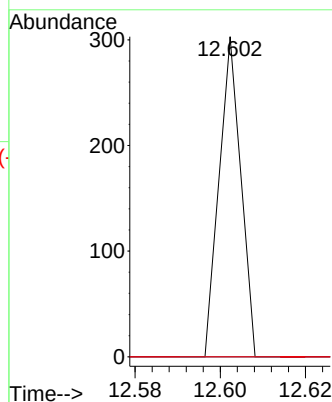
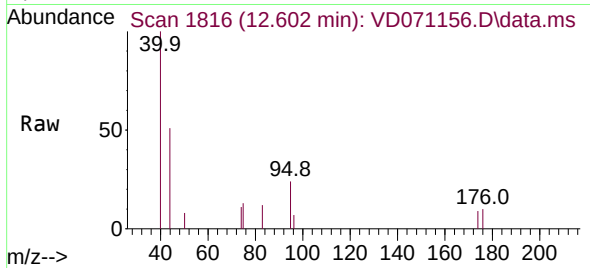




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.419 ug/l
 RT: 12.602 min Scan# 1816
 Delta R.T. -0.118 min
 Lab File: VD071156.D
 Acq: 04 Dec 2021 21:04

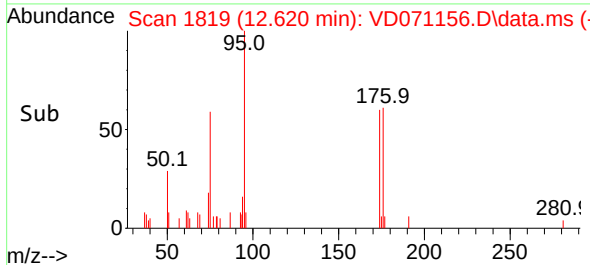
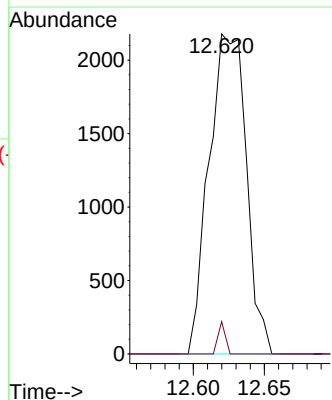
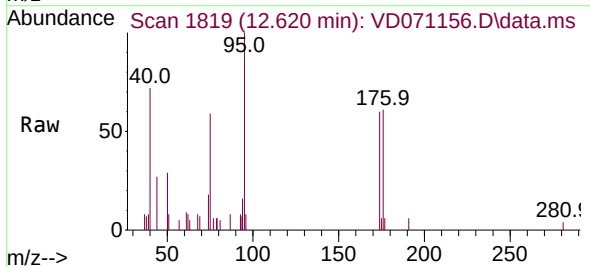
Instrument :
 MSVOA_D
 ClientSampleId :

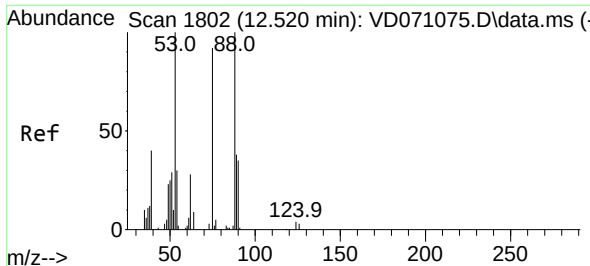
Tgt Ion: 83 Resp: 107
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.7#
 85 0.0 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 66.093 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071156.D
 Acq: 04 Dec 2021 21:04

Tgt Ion: 75 Resp: 3981
 Ion Ratio Lower Upper
 75 100
 77 2.0 158.4 475.3#

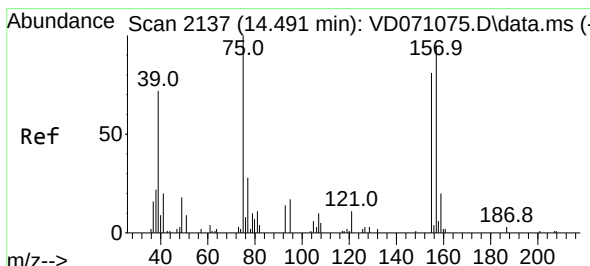
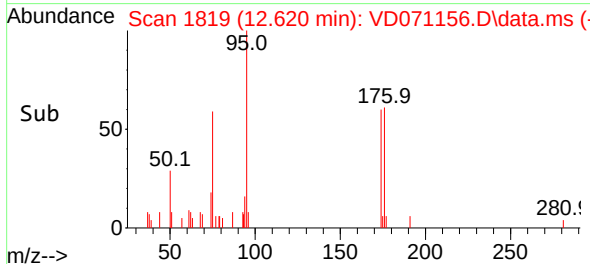
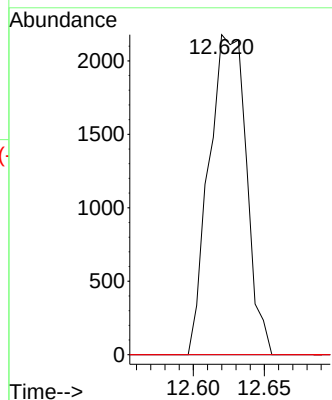
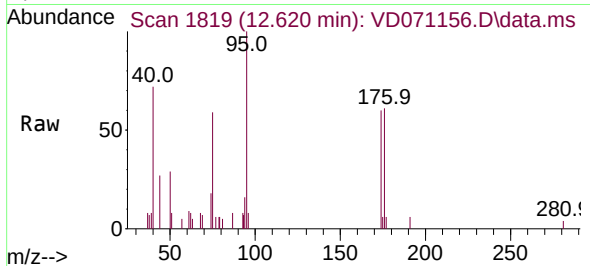




#81
trans-1,4-Dichloro-2-butene
Concen: 142.510 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3981
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.969 ug/l
RT: 14.685 min Scan# 2170
Delta R.T. 0.194 min
Lab File: VD071156.D
Acq: 04 Dec 2021 21:04

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

