

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071142.D
 Acq On : 04 Dec 2021 14:33
 Operator : VA/SY
 Sample : VD1204SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:42:43 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)

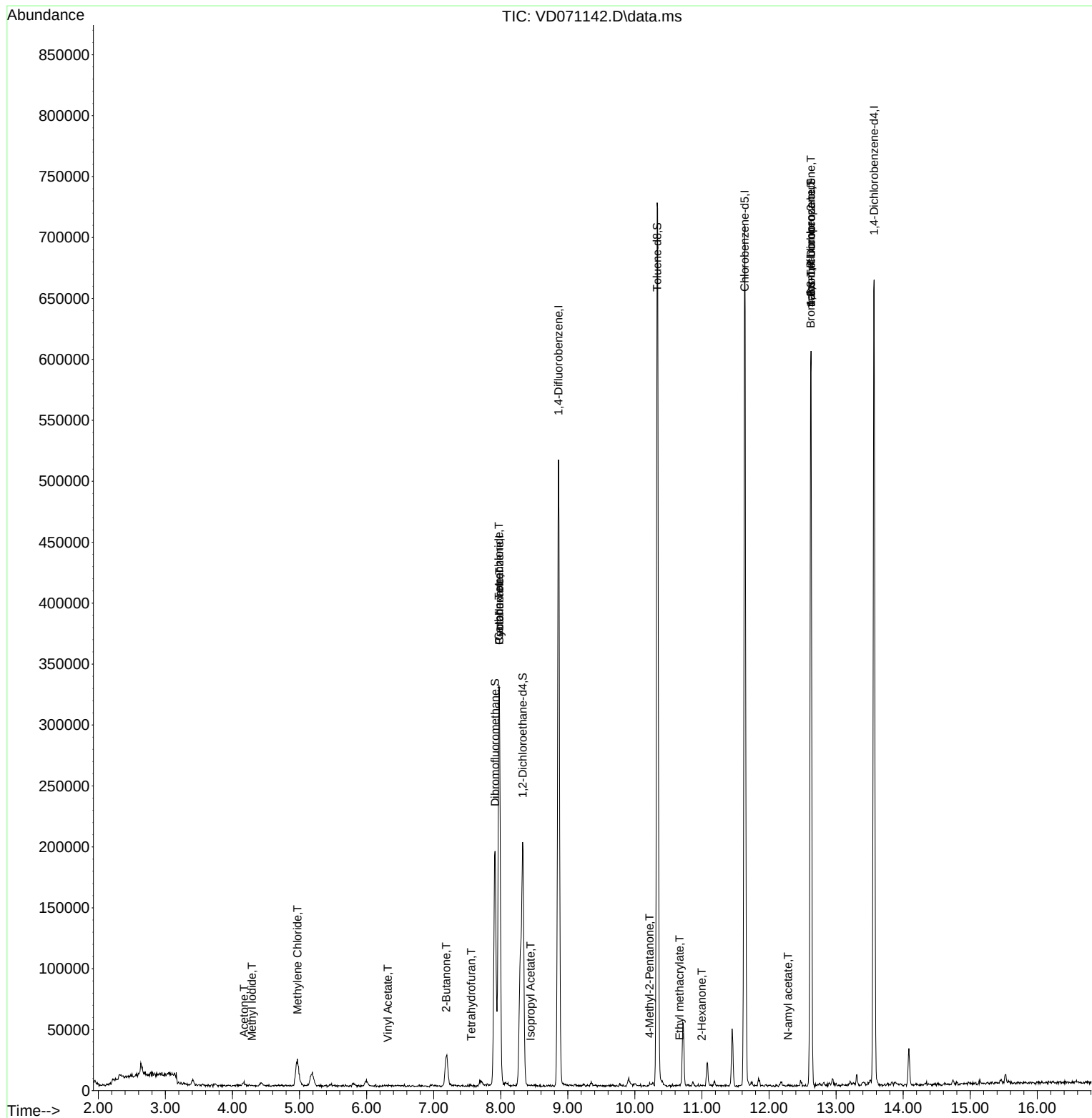
Internal Standards						
1) Pentafluorobenzene	7.979	168	238113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	410895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	376404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	163661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	149324	53.445	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.880%		
35) Dibromofluoromethane	7.914	113	135467	51.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 103.540%		
50) Toluene-d8	10.332	98	473615	47.565	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 95.120%		
62) 4-Bromofluorobenzene	12.626	95	166459	48.227	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 96.460%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.291	142	225	4.634	ug/l #	40
11) Tert butyl alcohol	5.191	59	11308	Below Cal	#	72
16) Acetone	4.173	43	4262	35.833	ug/l #	63
20) Methylene Chloride	4.968	84	14479	1.046	ug/l	93
23) Vinyl Acetate	6.315	43	393	27.295	ug/l #	72
25) 2-Butanone	7.185	43	988	29.381	ug/l #	45
29) Tetrahydrofuran	7.562	42	582	1.312	ug/l #	42
31) Cyclohexane	7.979	56	8232	1.732	ug/l #	35
38) Carbon Tetrachloride	7.973	117	25101	6.631	ug/l #	17
41) Methacrylonitrile	7.497	41	66	Below Cal	#	12
43) Isopropyl Acetate	8.444	43	244	5.283	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1452	31.333	ug/l #	34
56) Ethyl methacrylate	10.667	69	101	6.003	ug/l #	1
59) 2-Hexanone	10.997	43	339	34.781	ug/l	73
71) Bromoform	12.620	173	1713	1.297	ug/l #	1
74) N-amyl acetate	12.285	43	192	5.753	ug/l #	56
76) 1,2,3-Trichloropropane	12.626	75	92800	59.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	92800	128.899	ug/l #	19

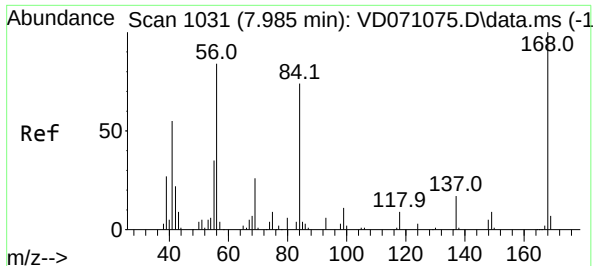
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

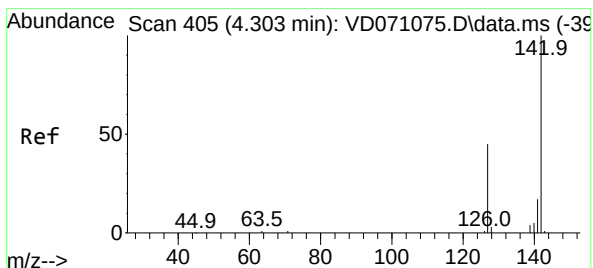
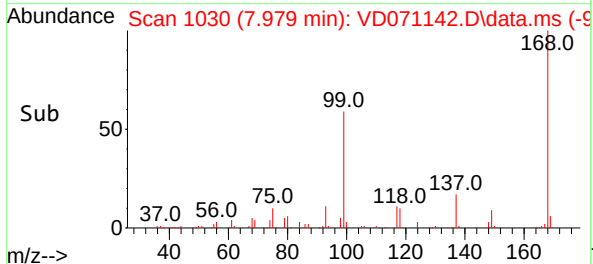
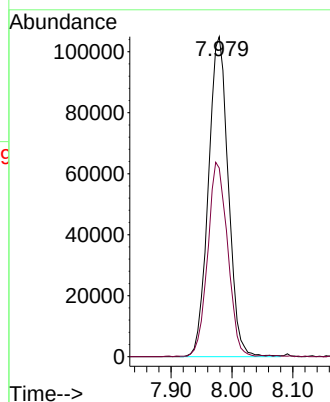
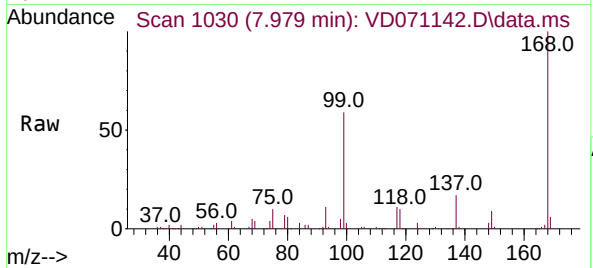




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

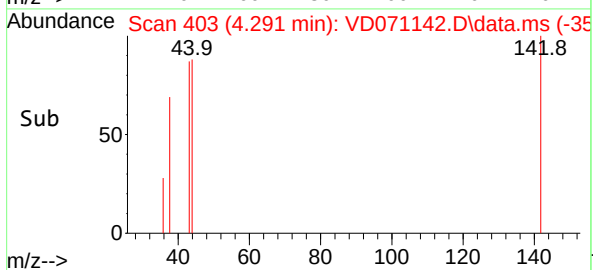
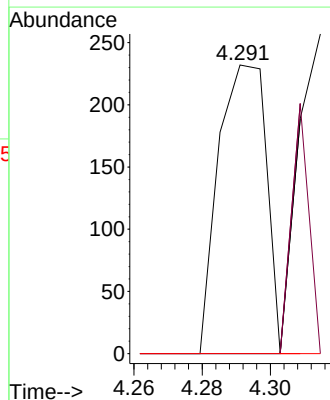
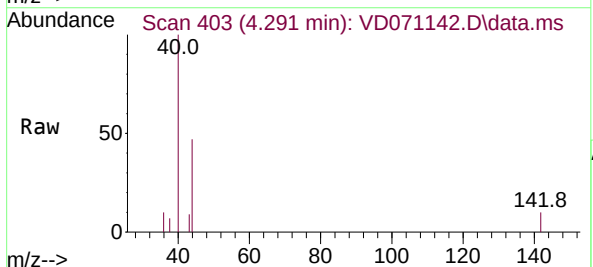
Instrument :
MSVOA_D
ClientSampleId :

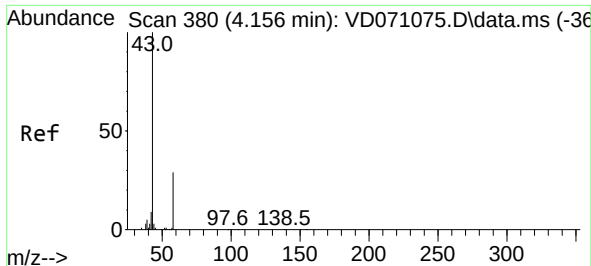
Tgt Ion:168 Resp: 238113
Ion Ratio Lower Upper
168 100
99 58.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.634 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion:142 Resp: 225
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

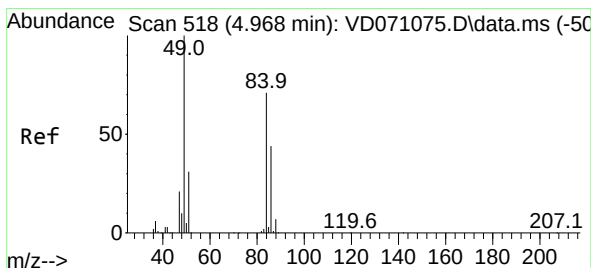
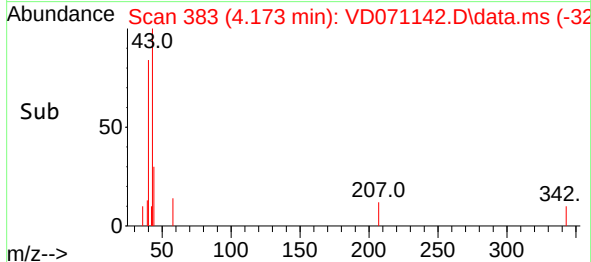
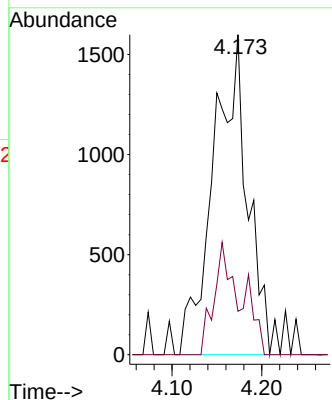
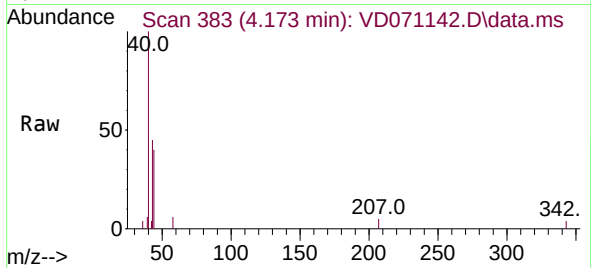




#16
Acetone
Concen: 35.833 ug/l
RT: 4.173 min Scan# 380
Delta R.T. 0.017 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

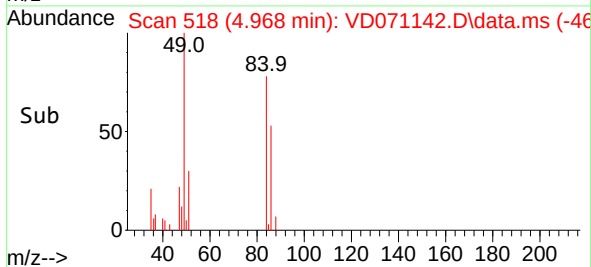
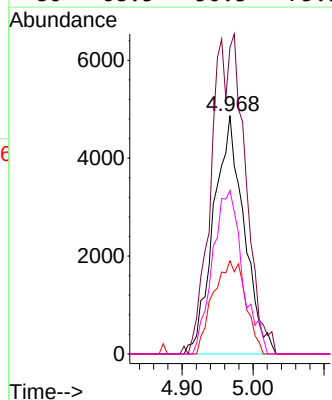
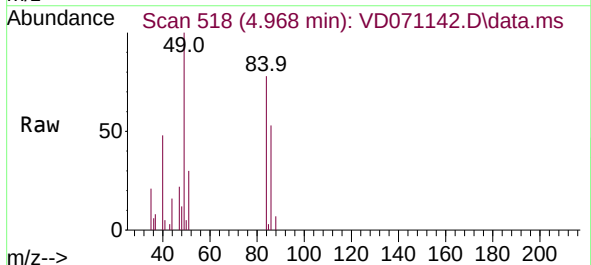
Instrument :
MSVOA_D
ClientSampleId :

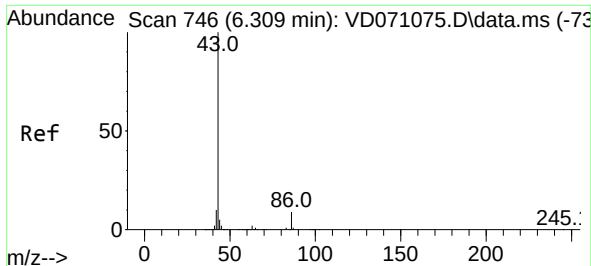
Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
58 13.6 27.8 41.8#



#20
Methylene Chloride
Concen: 1.046 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion: 84 Resp: 14479
Ion Ratio Lower Upper
84 100
49 128.6 95.8 143.6
51 39.0 30.9 46.3
86 68.5 50.3 75.5

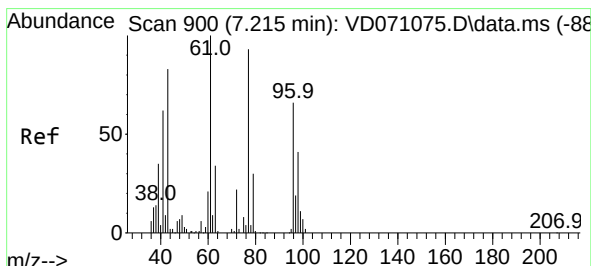
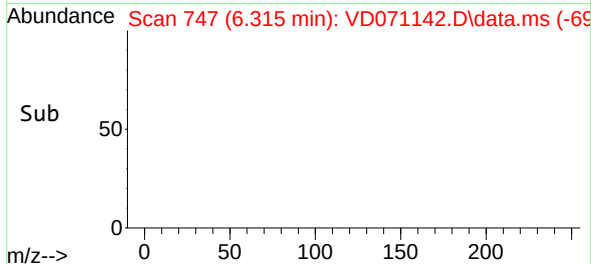
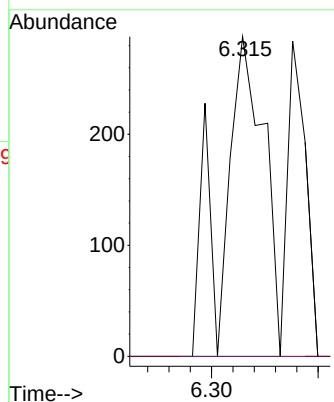
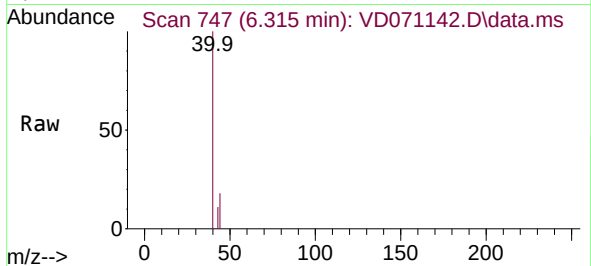




#23
 Vinyl Acetate
 Concen: 27.295 ug/l
 RT: 6.315 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD071142.D
 Acq: 04 Dec 2021 14:33

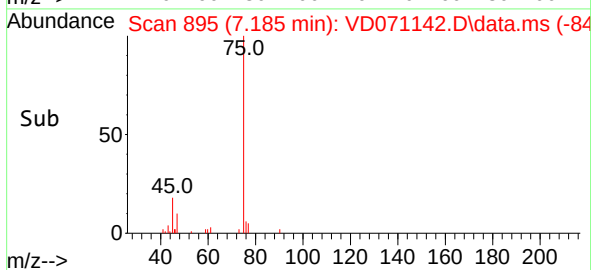
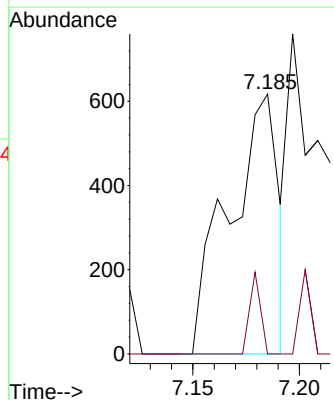
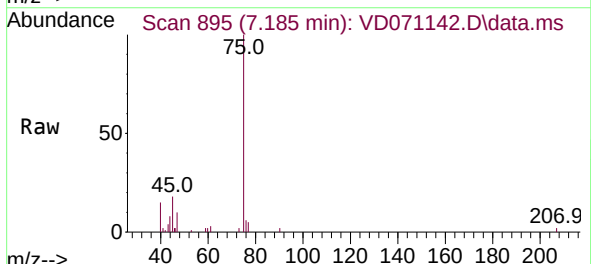
Instrument :
 MSVOA_D
 ClientSampleId :

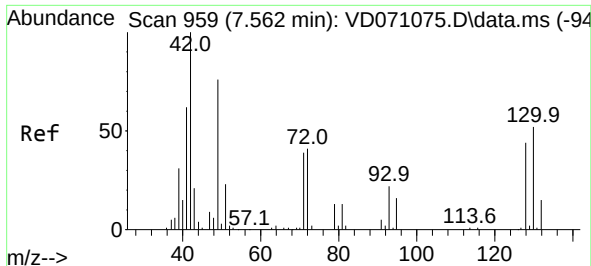
Tgt Ion: 43 Resp: 393
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.381 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071142.D
 Acq: 04 Dec 2021 14:33

Tgt Ion: 43 Resp: 988
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.312 ug/l

RT: 7.562 min Scan# 91

Delta R.T. -0.000 min

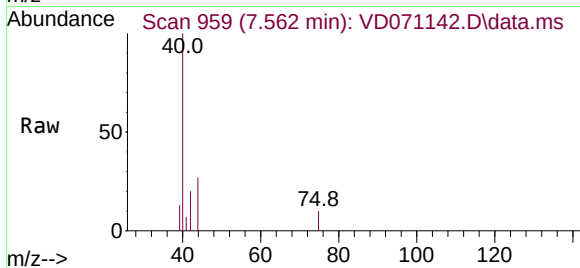
Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

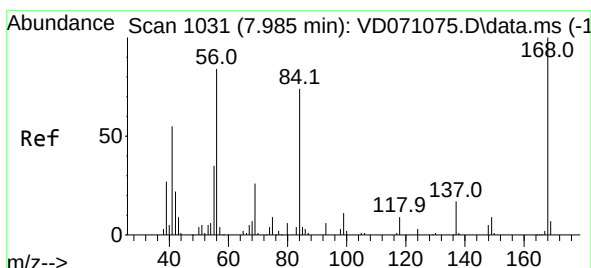
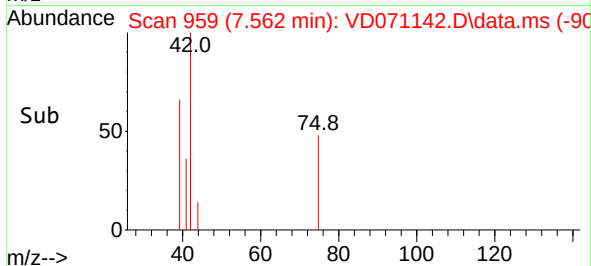
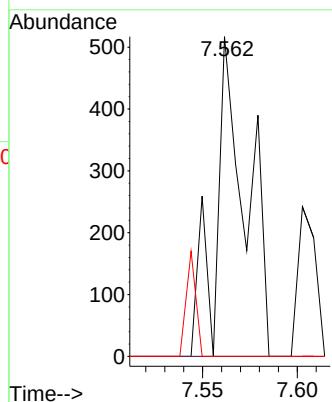
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	582
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	10.3	32.7	49.1#



#31

Cyclohexane

Concen: 1.732 ug/l

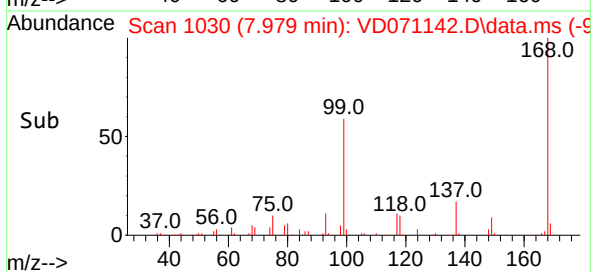
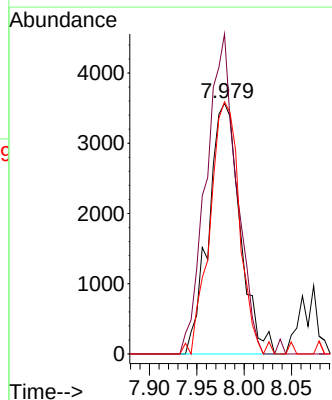
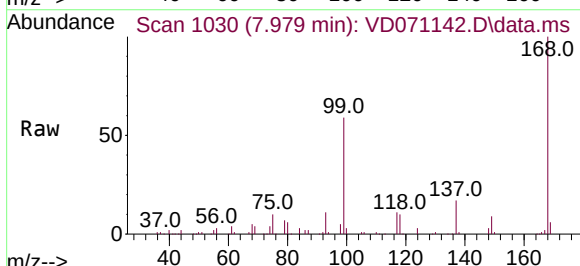
RT: 7.979 min Scan# 1030

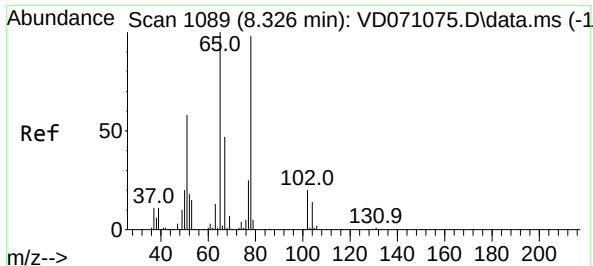
Delta R.T. -0.006 min

Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

Tgt Ion:	56	Resp:	8232
Ion	Ratio	Lower	Upper
56	100		
69	127.6	25.9	38.9#
84	100.6	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 53.445 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

Instrument :

MSVOA_D

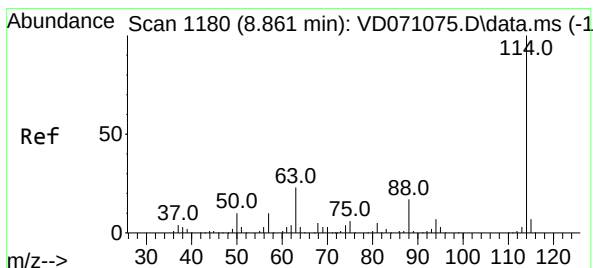
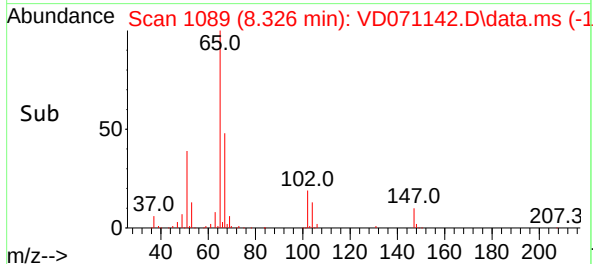
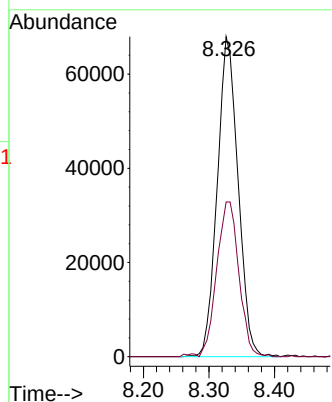
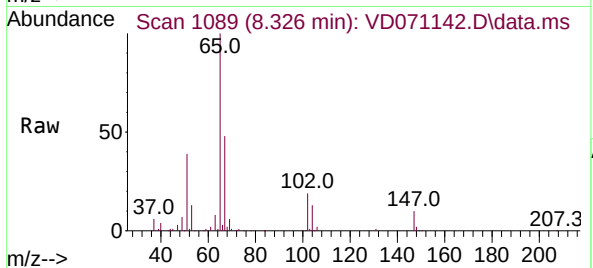
ClientSampleId :

Tgt Ion: 65 Resp: 149324

Ion Ratio Lower Upper

65 100

67 51.4 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: VD071142.D

Acq: 04 Dec 2021 14:33

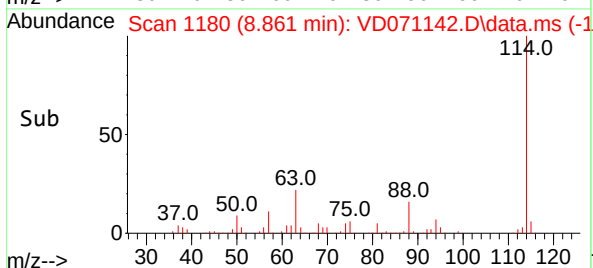
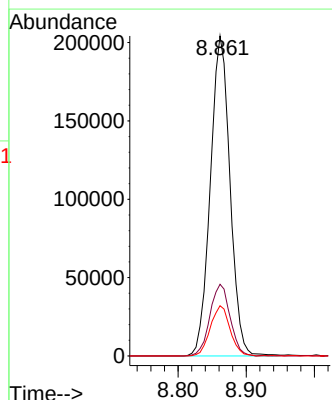
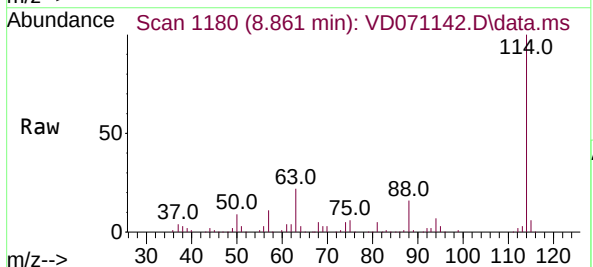
Tgt Ion: 114 Resp: 410895

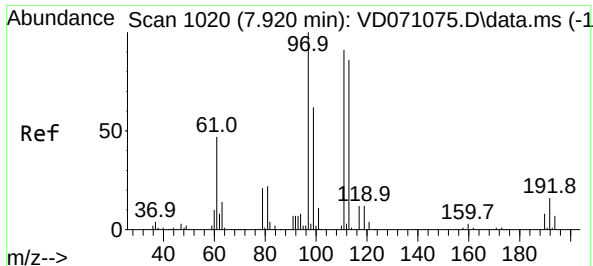
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.773 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

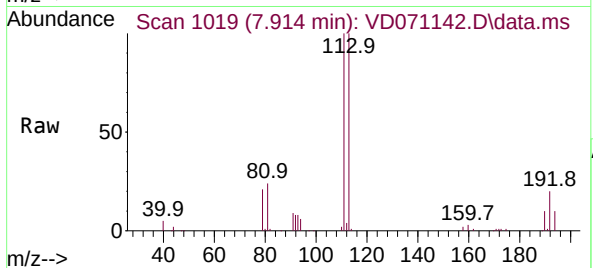
Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

Instrument :

MSVOA_D

ClientSampleId :



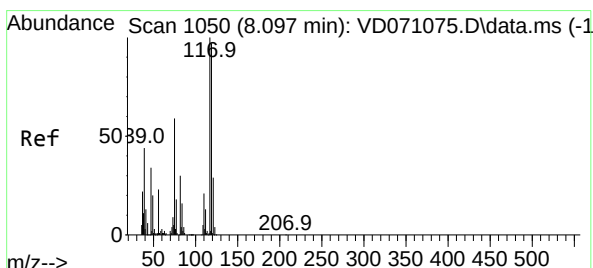
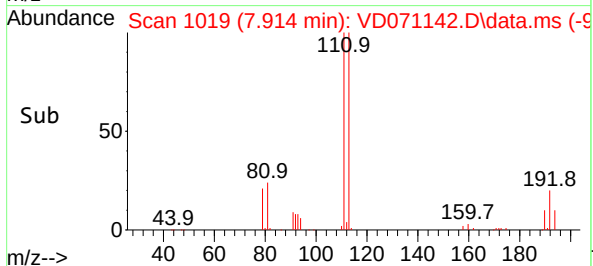
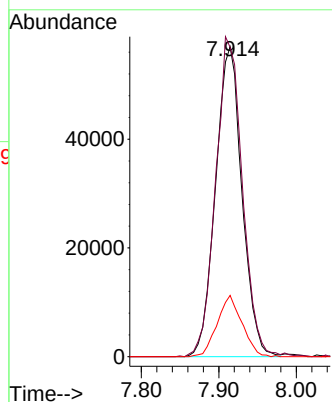
Tgt Ion:113 Resp: 135467

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 18.6 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

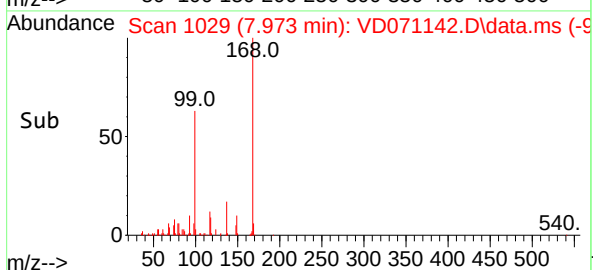
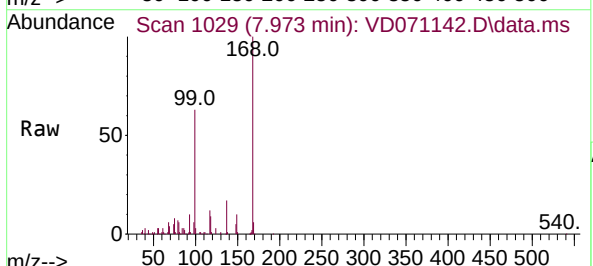
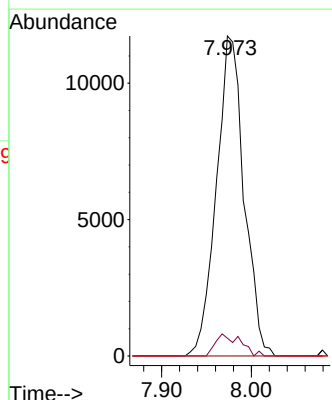
Tgt Ion:117 Resp: 25101

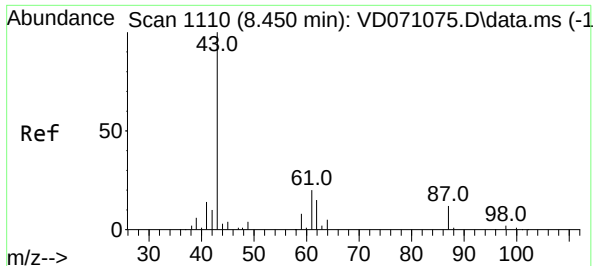
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.283 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD071142.D

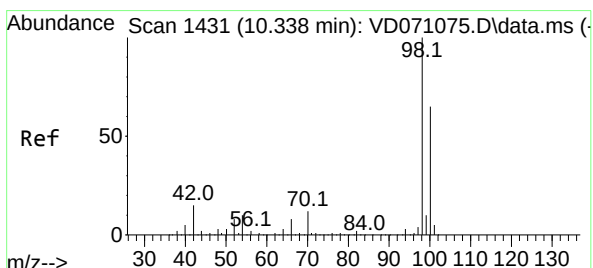
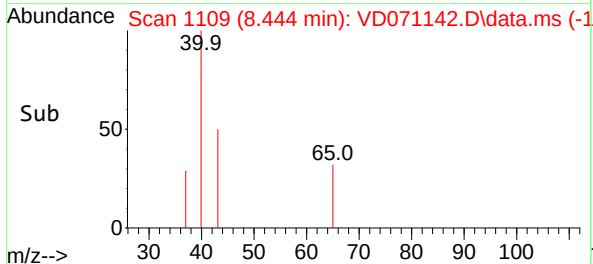
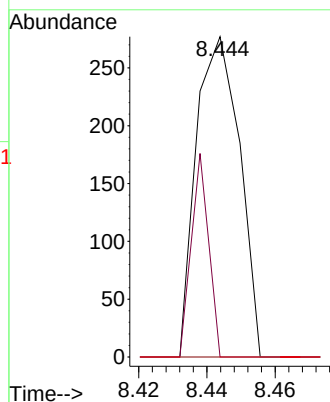
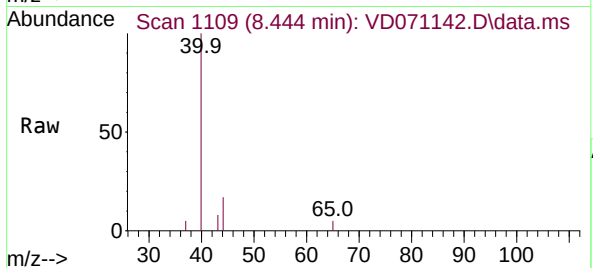
Acq: 04 Dec 2021 14:33

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 244
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#50

Toluene-d8

Concen: 47.565 ug/l

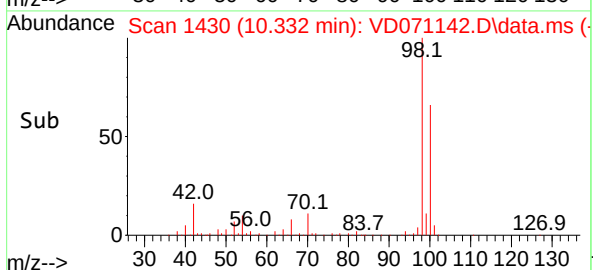
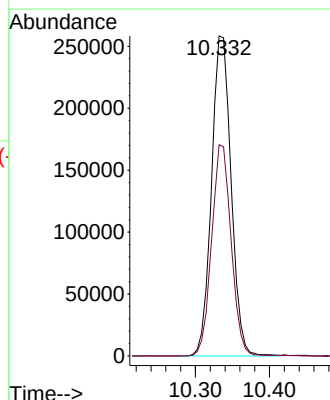
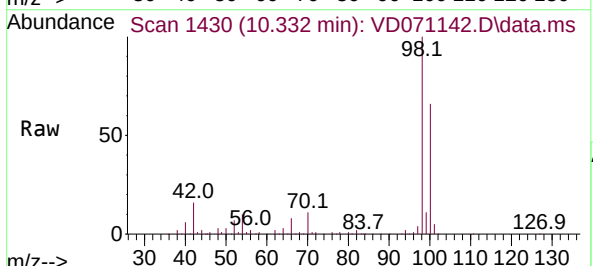
RT: 10.332 min Scan# 1430

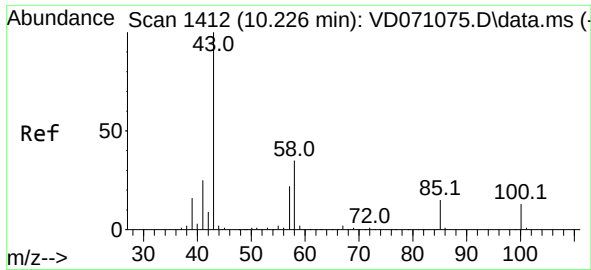
Delta R.T. -0.006 min

Lab File: VD071142.D

Acq: 04 Dec 2021 14:33

Tgt Ion: 98	Resp: 473615
Ion Ratio	Lower Upper
98 100	
100 65.8	51.8 77.6

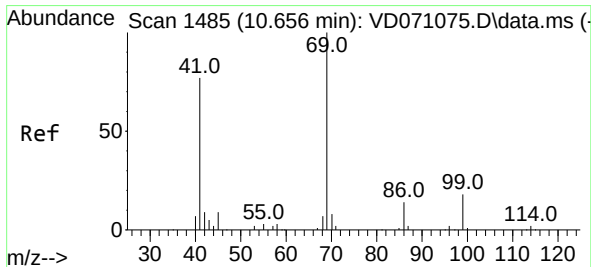
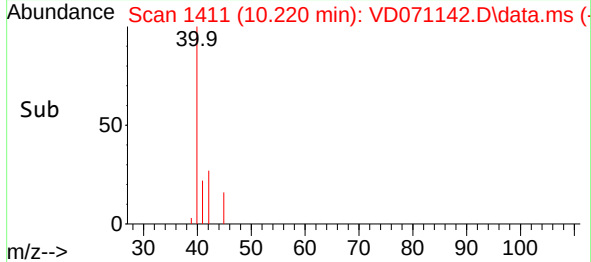
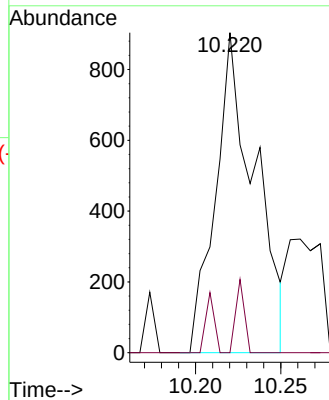
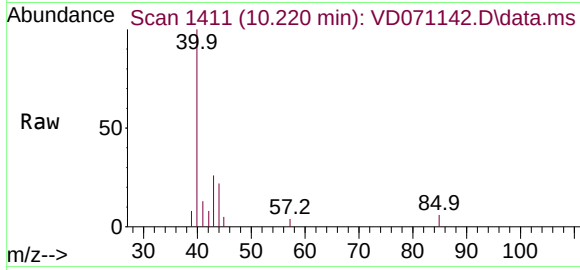




#51
4-Methyl-2-Pentanone
Concen: 31.333 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

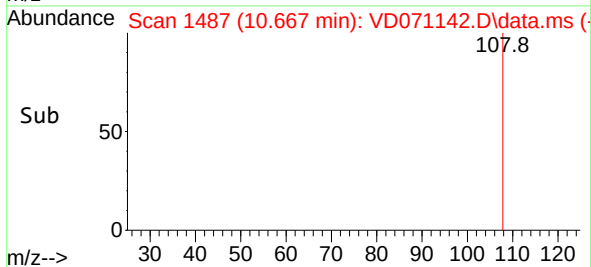
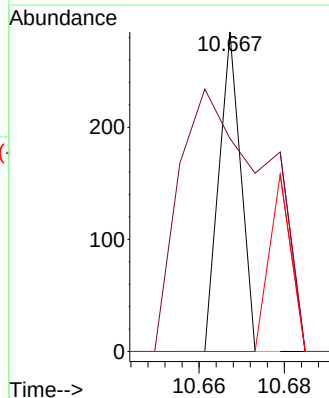
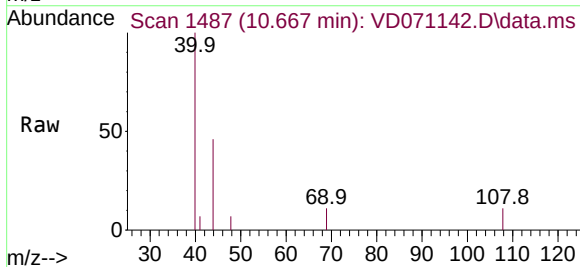
Instrument :
MSVOA_D
ClientSampleId :

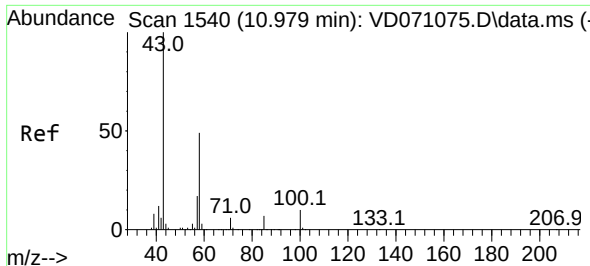
Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.003 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.011 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 324.8 50.2 75.2#
39 55.4 19.8 29.8#

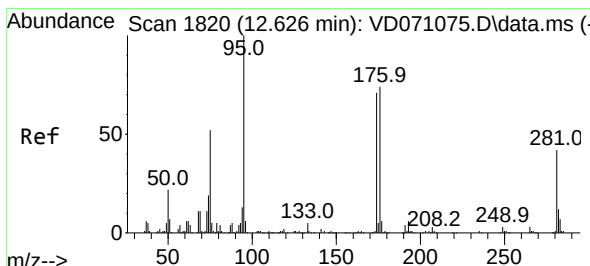
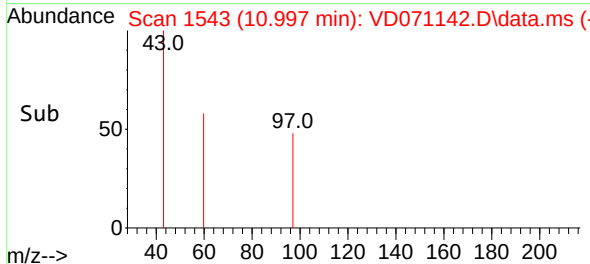
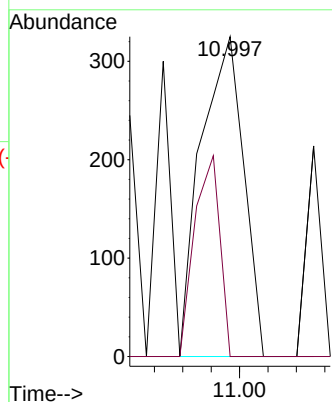
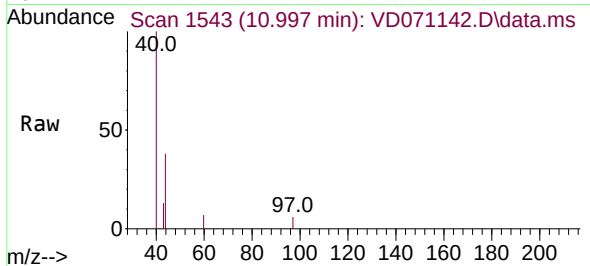




#59
2-Hexanone
Concen: 34.781 ug/l
RT: 10.997 min Scan# 1543
Delta R.T. 0.018 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

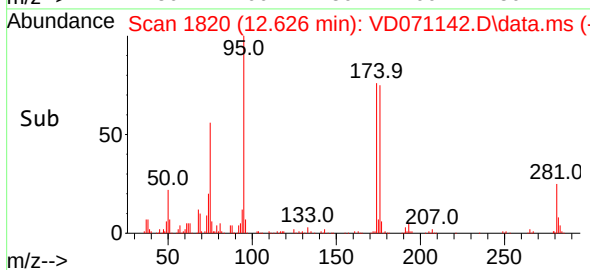
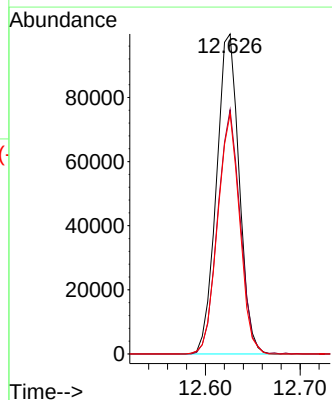
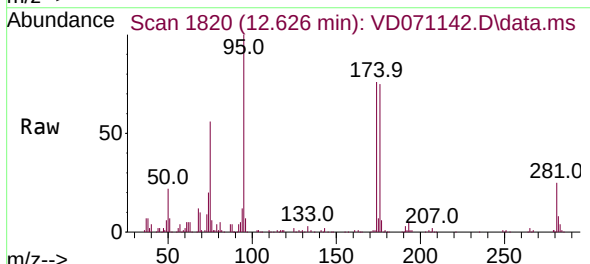
Instrument :
MSVOA_D
ClientSampleId :

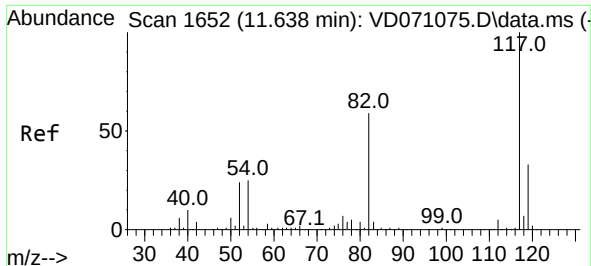
Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
58 37.2 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 48.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion: 95 Resp: 166459
Ion Ratio Lower Upper
95 100
174 75.2 0.0 159.4
176 72.7 0.0 154.0

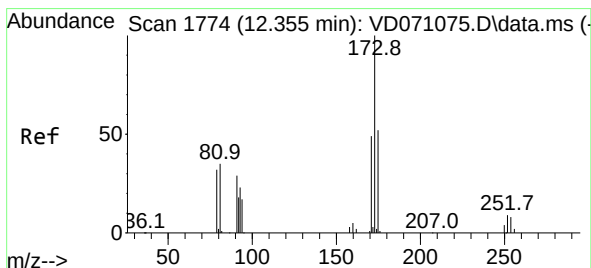
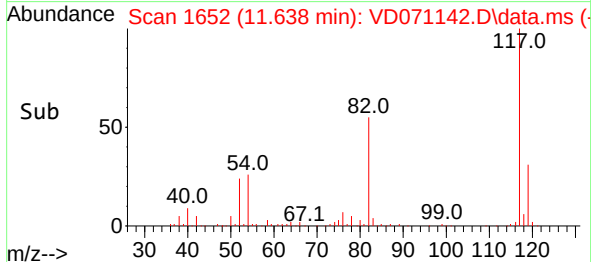
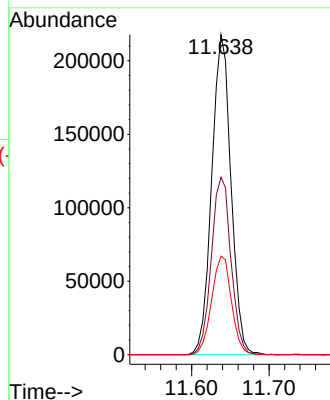
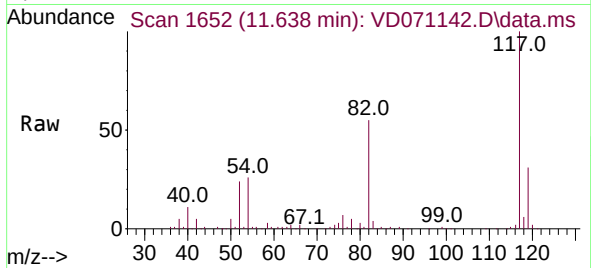




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

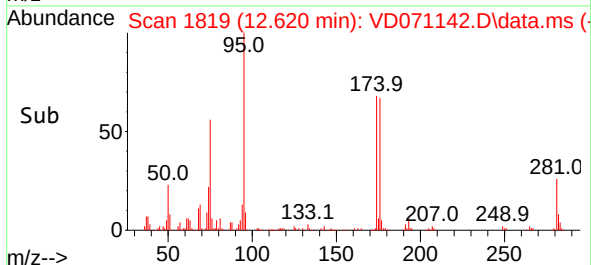
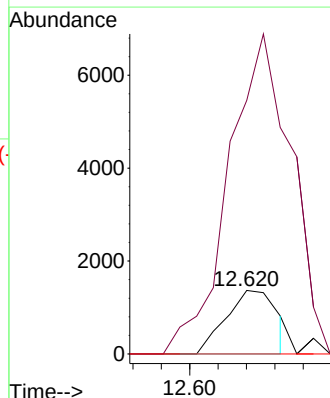
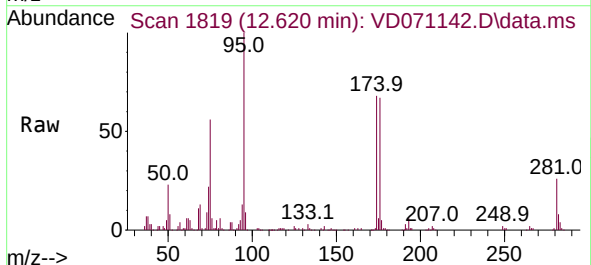
Instrument :
MSVOA_D
ClientSampleId :

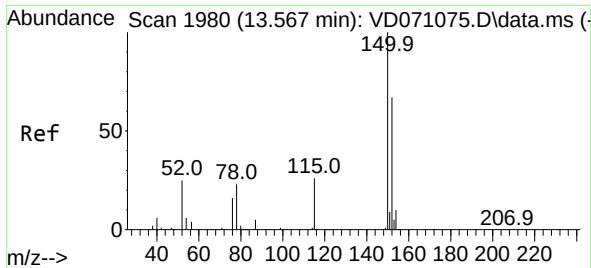
Tgt Ion:117 Resp: 376404
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 30.8 26.2 39.4



#71
Bromoform
Concen: 1.297 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion:173 Resp: 1713
Ion Ratio Lower Upper
173 100
175 507.4 24.1 72.2#
254 0.0 0.1 0.1#

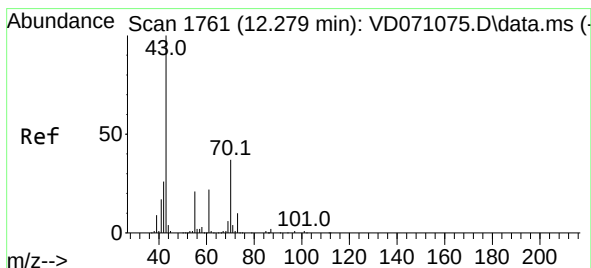
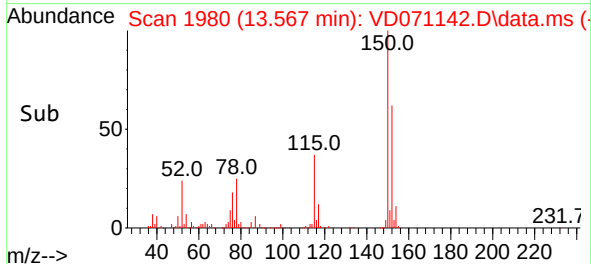
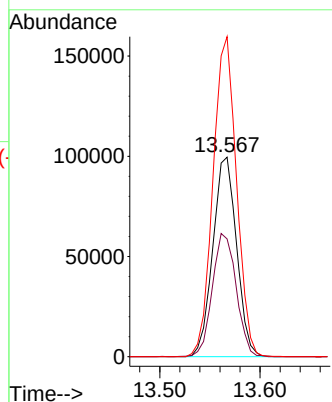
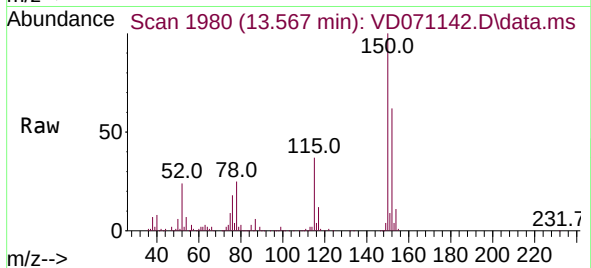




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

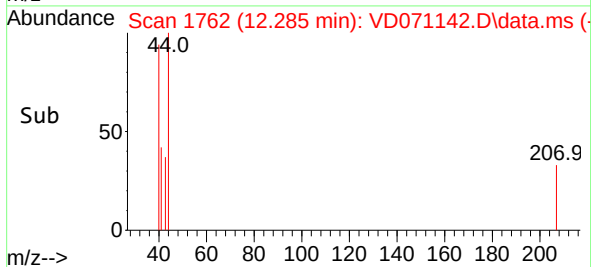
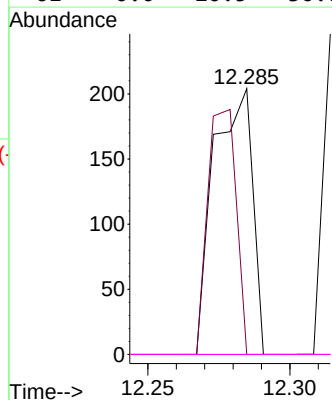
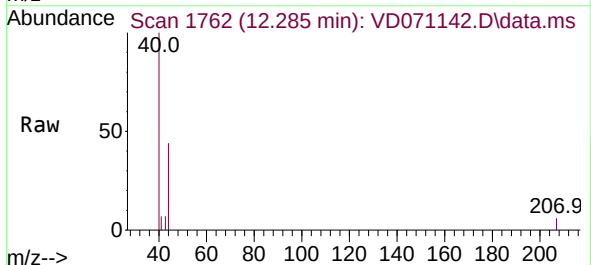
Instrument :
MSVOA_D
ClientSampleId :

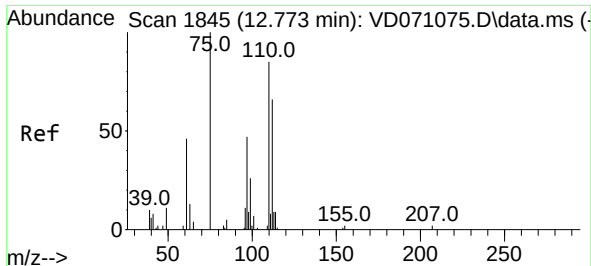
Tgt Ion:152 Resp: 163661
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 158.5 0.0 349.2



#74
N-ethyl acetate
Concen: 5.753 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
70 68.2 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

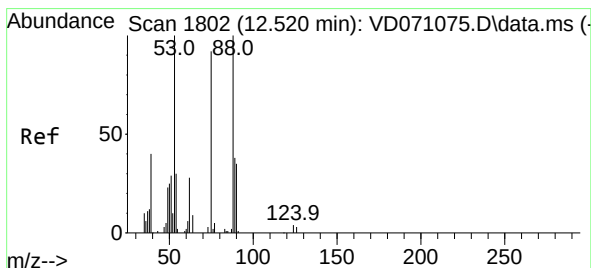
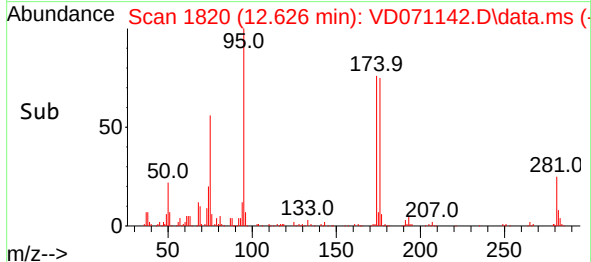
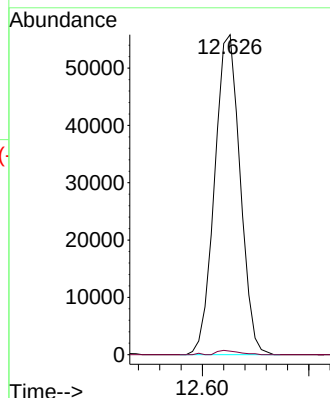
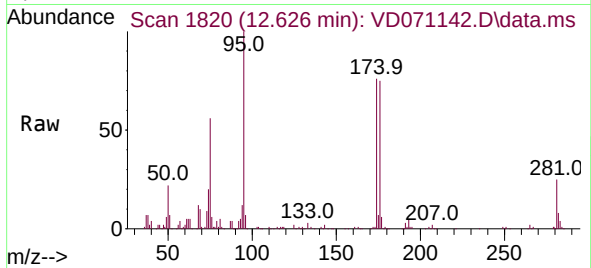




#76
1,2,3-Trichloropropane
Concen: 59.514 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 92800
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.899 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071142.D
Acq: 04 Dec 2021 14:33

Tgt Ion: 75 Resp: 92800
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.7 34.5 51.7#

