

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071146.D
 Acq On : 04 Dec 2021 16:24
 Operator : VA/SY
 Sample : M4927-02
 Misc : 5.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:43:44 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)

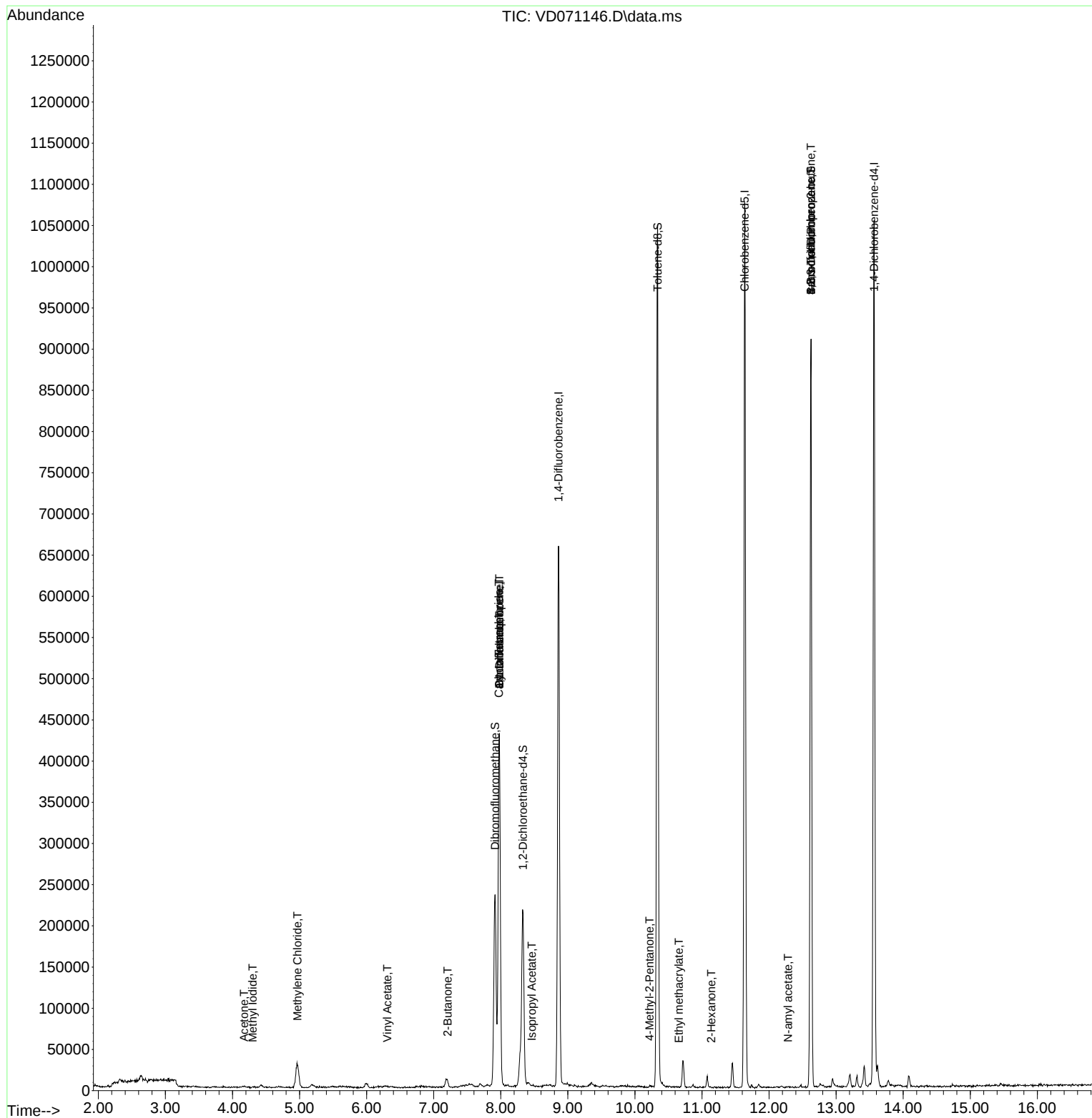
Internal Standards						
1) Pentafluorobenzene	7.979	168	303548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	530550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	556268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	263071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	165407	46.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.880%		
35) Dibromofluoromethane	7.914	113	163954	48.529	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.060%		
50) Toluene-d8	10.337	98	682324	53.071	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.140%		
62) 4-Bromofluorobenzene	12.626	95	263006	59.014	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.020%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.302	142	375	4.657	ug/l #	40
11) Tert butyl alcohol	5.185	59	1066	Below Cal	#	71
16) Acetone	4.173	43	2396	33.017	ug/l #	77
20) Methylene Chloride	4.967	84	19545	1.377	ug/l #	96
23) Vinyl Acetate	6.308	43	225	27.253	ug/l #	72
25) 2-Butanone	7.208	43	545	28.801	ug/l #	45
31) Cyclohexane	7.979	56	9367	1.546	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	28044	5.656	ug/l #	48
38) Carbon Tetrachloride	7.973	117	33653	6.885	ug/l #	18
41) Methacrylonitrile	7.473	41	78	Below Cal	#	40
43) Isopropyl Acetate	8.461	43	75	5.237	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	667	30.894	ug/l #	34
56) Ethyl methacrylate	10.655	69	513	6.100	ug/l #	88
59) 2-Hexanone	11.137	43	97	34.620	ug/l	93
71) Bromoform	12.626	173	2603	1.333	ug/l #	1
74) N-amyl acetate	12.284	43	136	5.724	ug/l #	38
76) 1,2,3-Trichloropropane	12.626	75	148221	59.136	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	148221	128.118	ug/l #	18

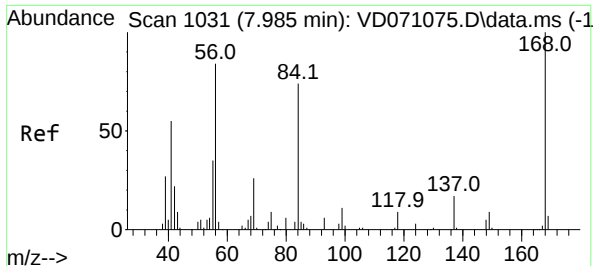
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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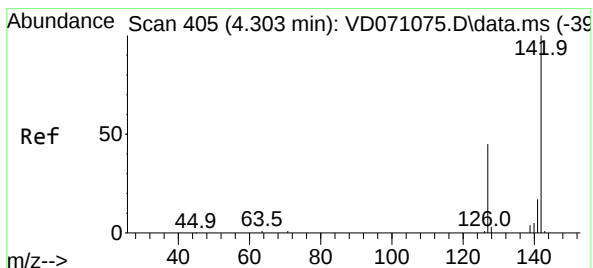
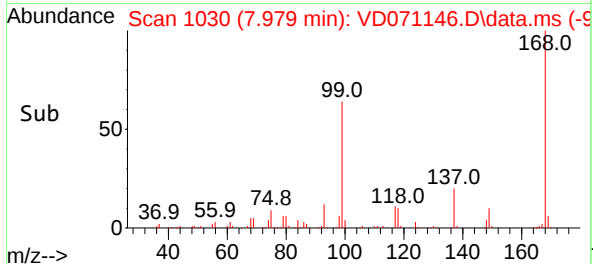
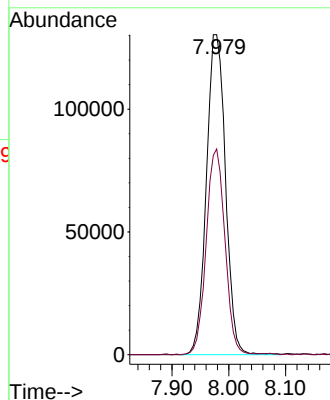
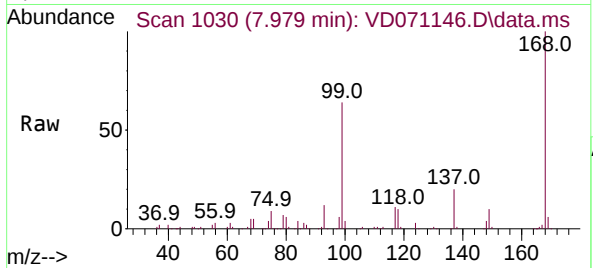




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

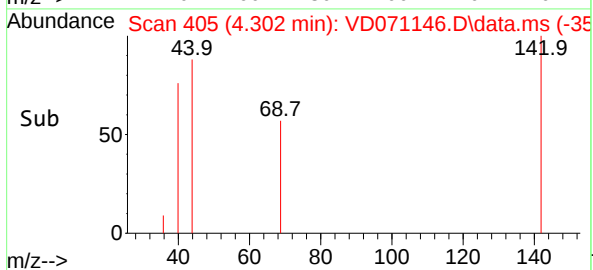
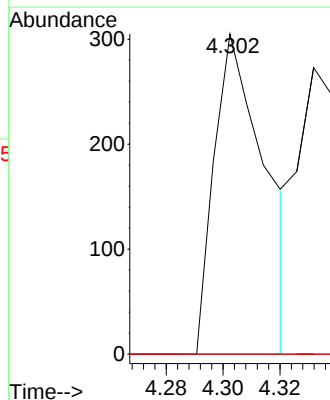
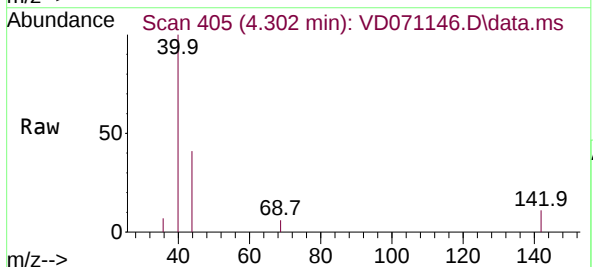
Instrument :
MSVOA_D
ClientSampleId :

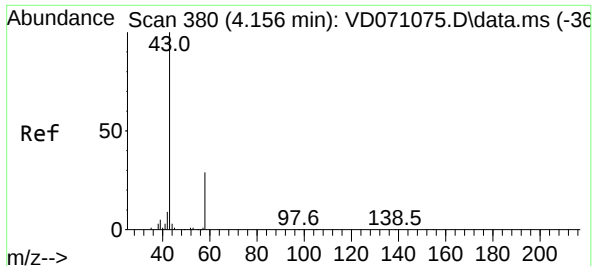
Tgt Ion:168 Resp: 303548
Ion Ratio Lower Upper
168 100
99 64.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.657 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

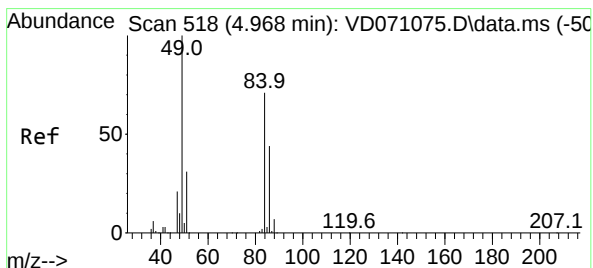
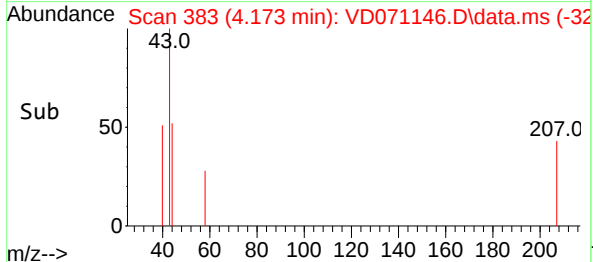
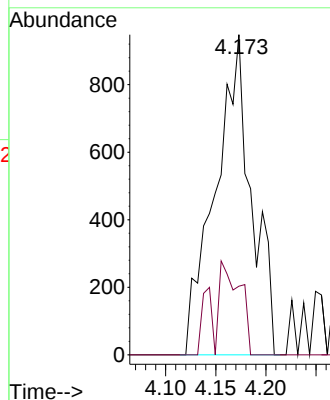
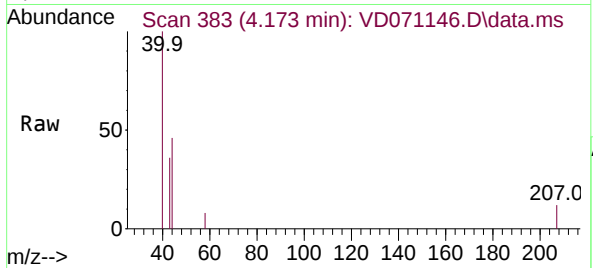




#16
Acetone
Concen: 33.017 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

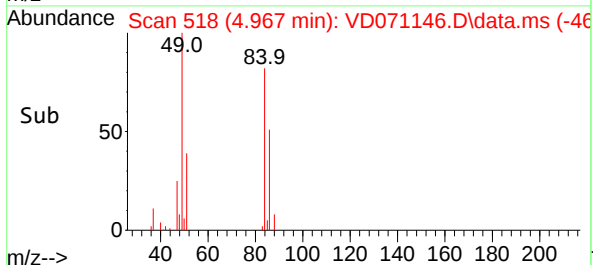
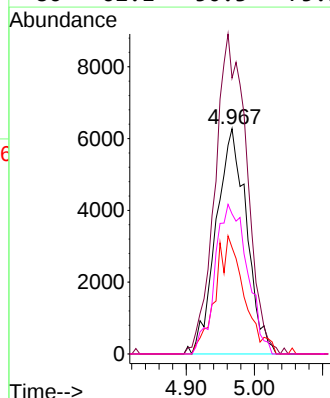
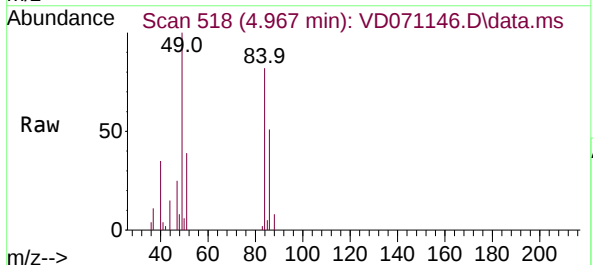
Instrument :
MSVOA_D
ClientSampleId :

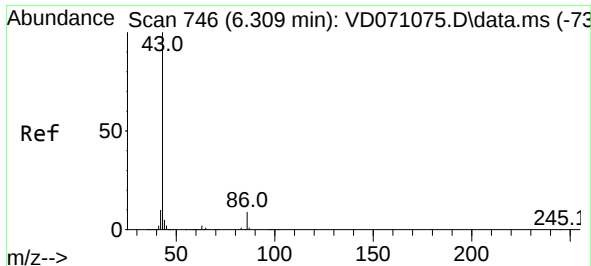
Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
58 21.4 27.8 41.8#



#20
Methylene Chloride
Concen: 1.377 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion: 84 Resp: 19545
Ion Ratio Lower Upper
84 100
49 122.4 95.8 143.6
51 47.2 30.9 46.3#
86 62.1 50.3 75.5

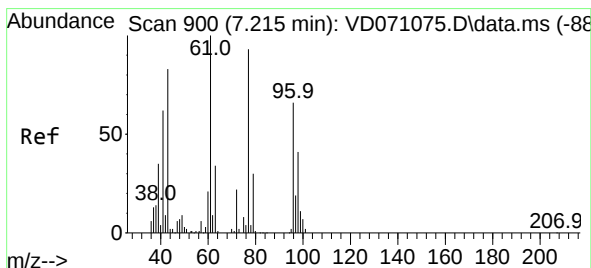
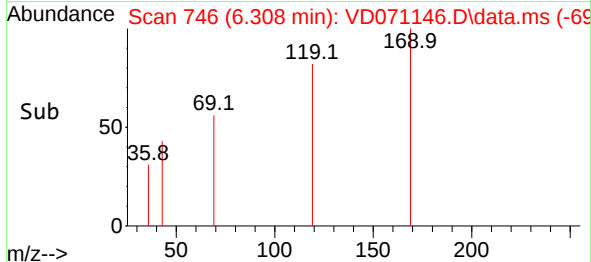
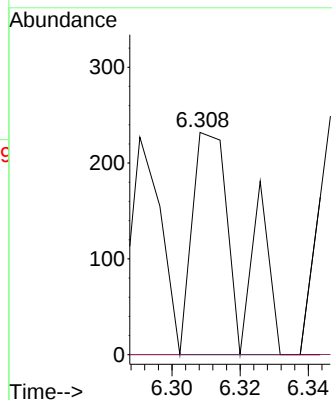
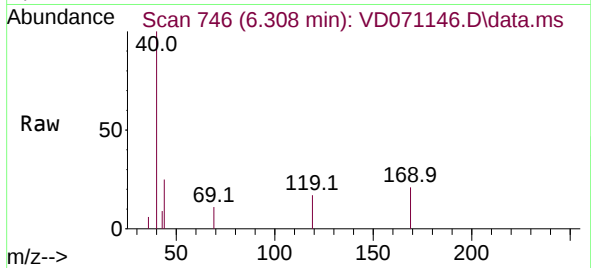




#23
 Vinyl Acetate
 Concen: 27.253 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. -0.001 min
 Lab File: VD071146.D
 Acq: 04 Dec 2021 16:24

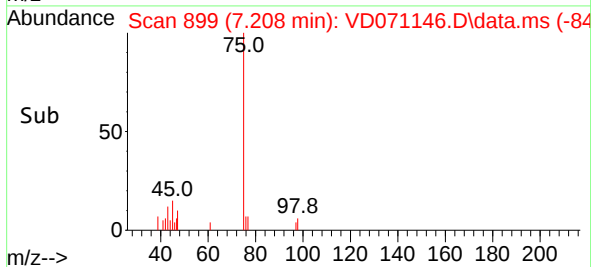
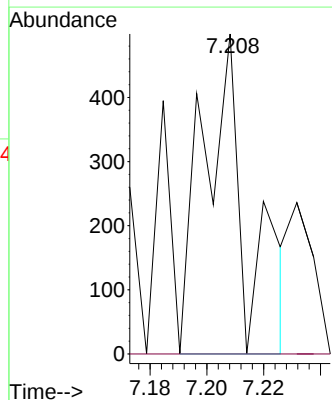
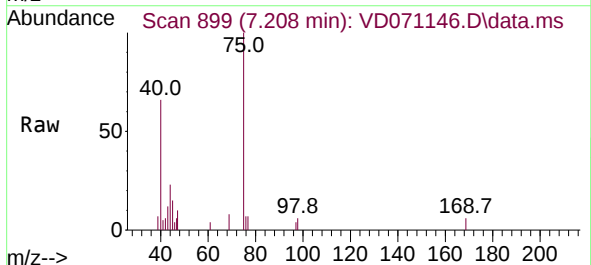
Instrument :
 MSVOA_D
 ClientSampleId :

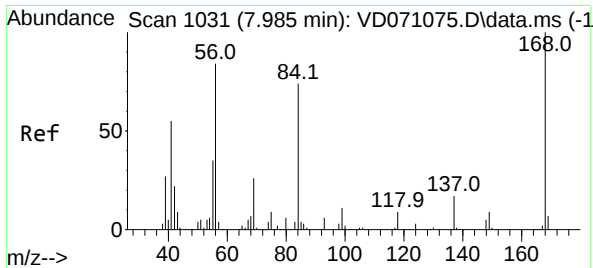
Tgt Ion: 43 Resp: 225
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.801 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.007 min
 Lab File: VD071146.D
 Acq: 04 Dec 2021 16:24

Tgt Ion: 43 Resp: 545
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.546 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071146.D

Acq: 04 Dec 2021 16:24

Instrument :

MSVOA_D

ClientSampleId :

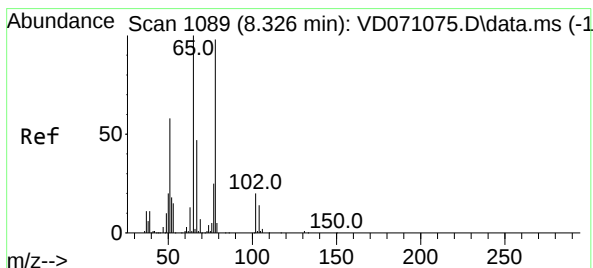
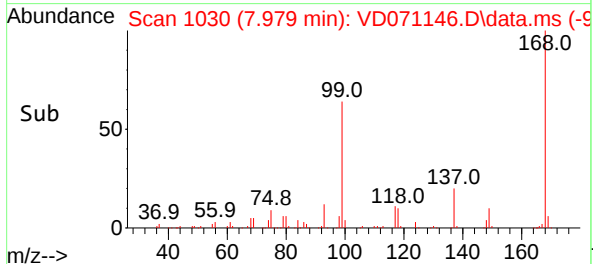
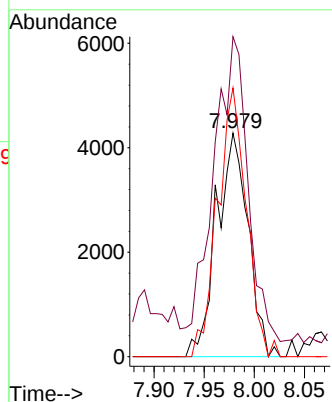
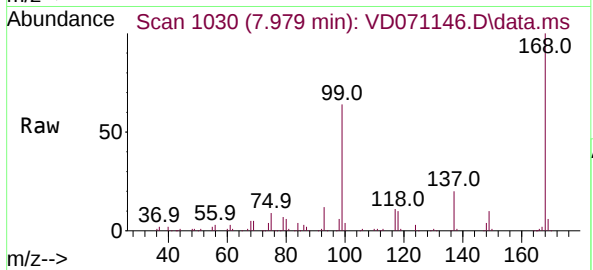
Tgt Ion: 56 Resp: 9367

Ion Ratio Lower Upper

56 100

69 136.3 25.9 38.9#

84 129.8 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 46.439 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071146.D

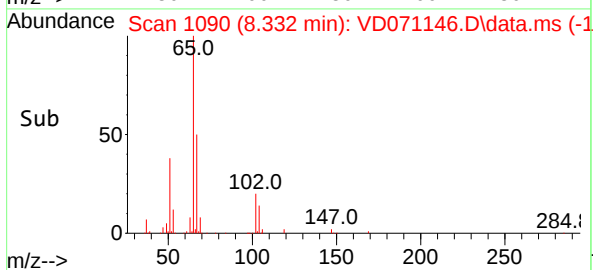
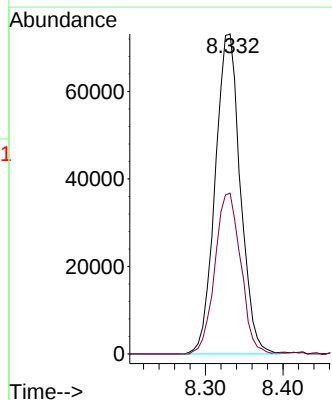
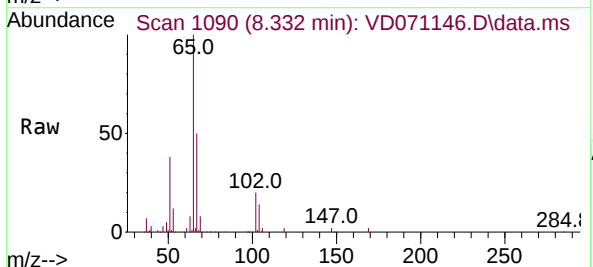
Acq: 04 Dec 2021 16:24

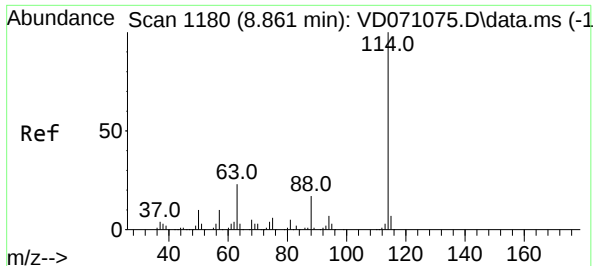
Tgt Ion: 65 Resp: 165407

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: VD071146.D

Acq: 04 Dec 2021 16:24

Instrument :

MSVOA_D

ClientSampleId :

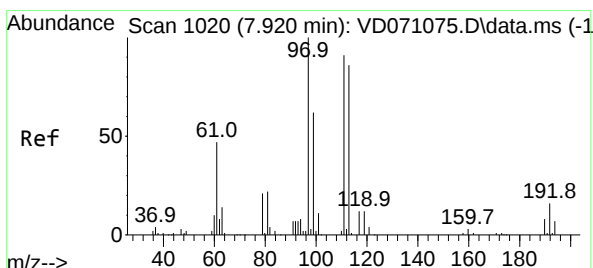
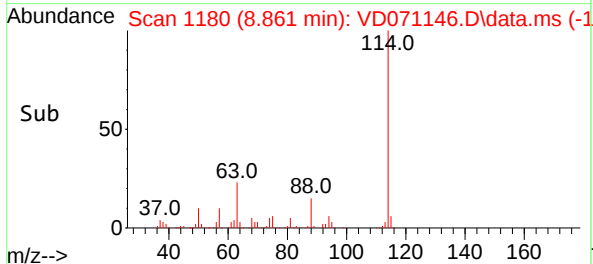
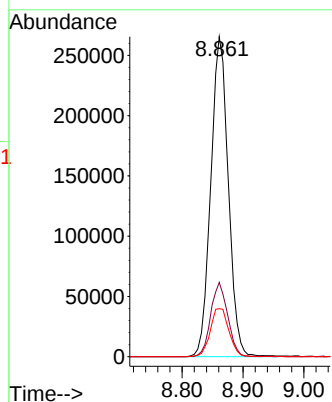
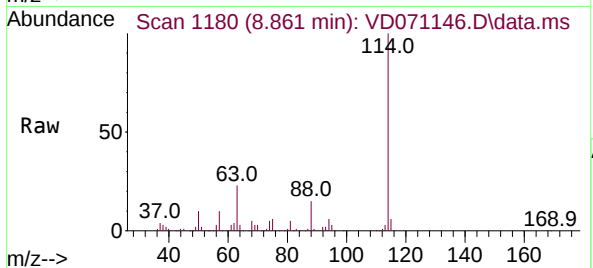
Tgt Ion:114 Resp: 530550

Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.8

88 15.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.529 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071146.D

Acq: 04 Dec 2021 16:24

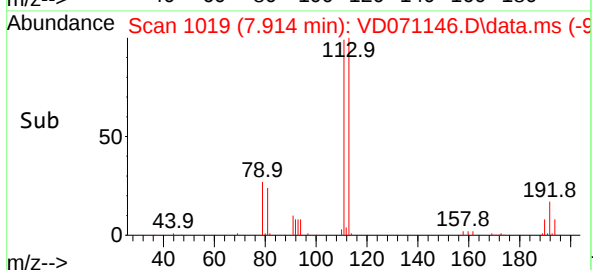
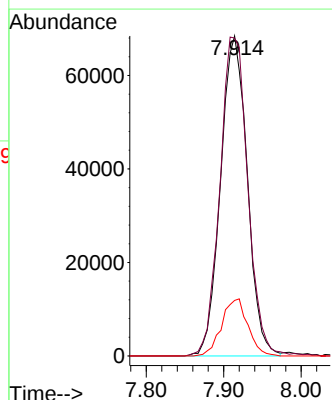
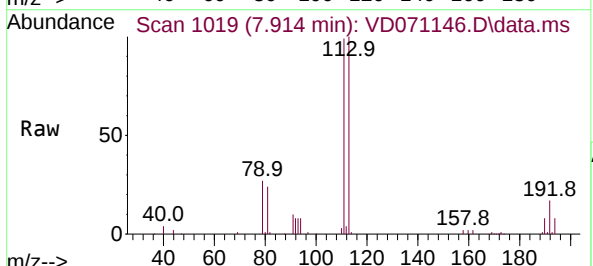
Tgt Ion:113 Resp: 163954

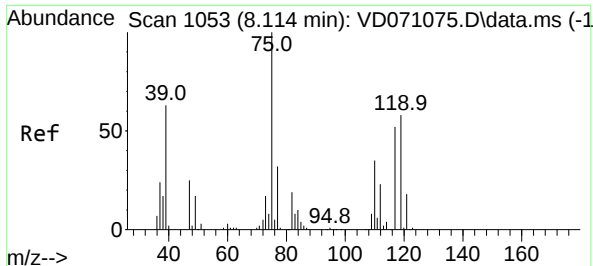
Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

192 17.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.656 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

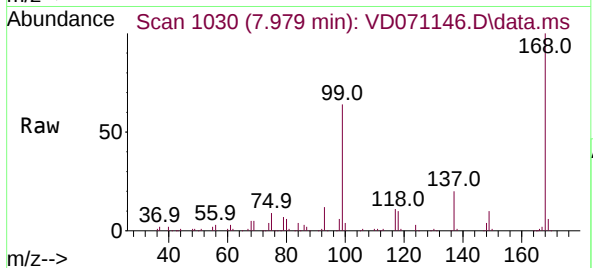
Lab File: VD071146.D

Acq: 04 Dec 2021 16:24

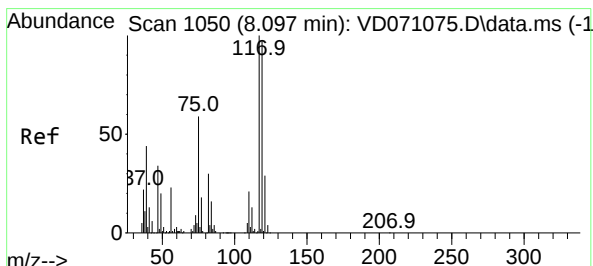
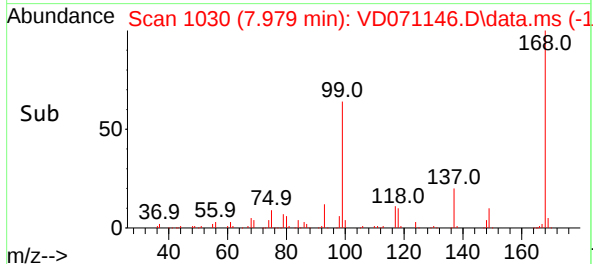
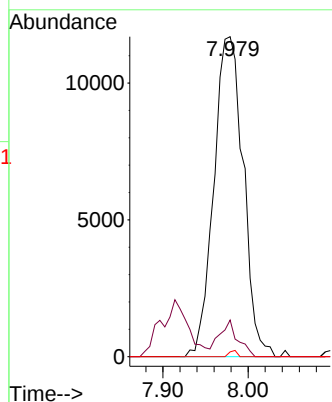
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	28044
Ion Ratio	Lower	Upper	
75	100		
110	7.1	17.8	53.4#
77	0.5	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.885 ug/l

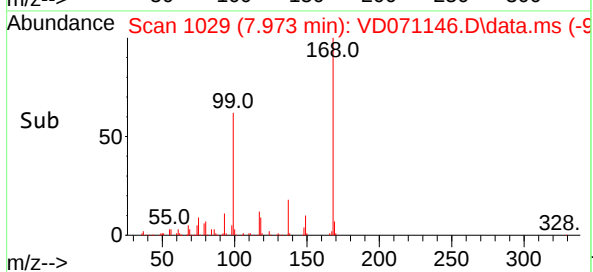
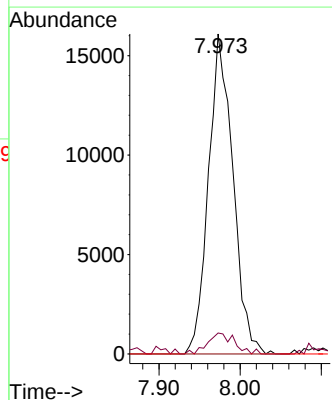
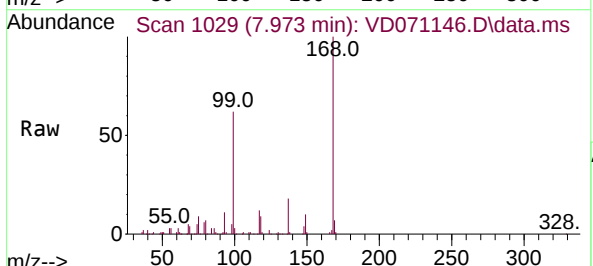
RT: 7.973 min Scan# 1029

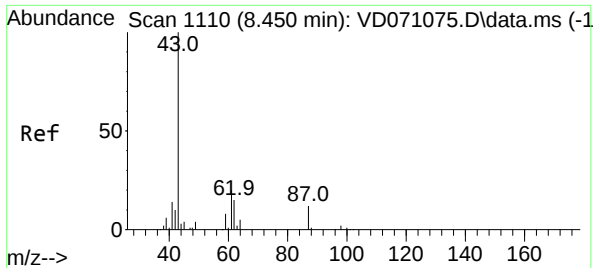
Delta R.T. -0.124 min

Lab File: VD071146.D

Acq: 04 Dec 2021 16:24

Tgt Ion:	117	Resp:	33653
Ion Ratio	Lower	Upper	
117	100		
119	6.6	75.8	113.6#
121	0.0	23.6	35.4#

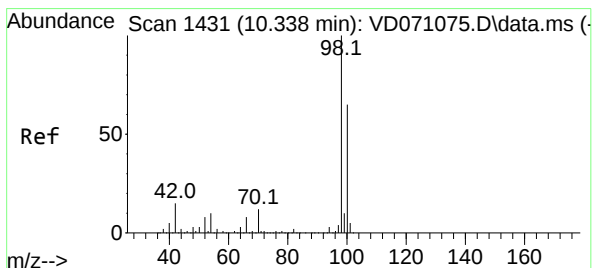
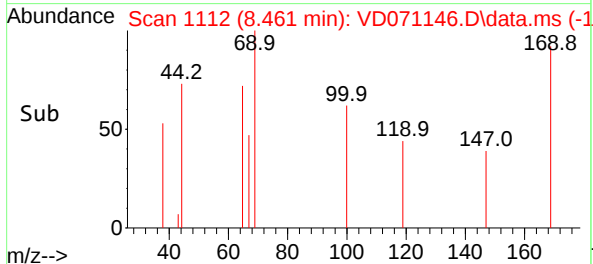
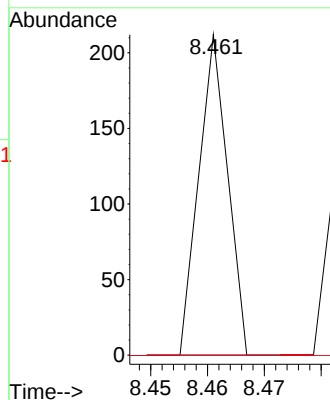
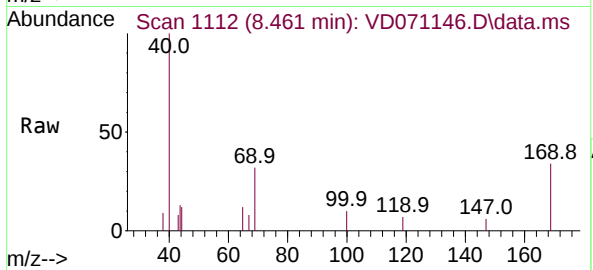




#43
Isopropyl Acetate
Concen: 5.237 ug/l
RT: 8.461 min Scan# 1110
Delta R.T. 0.011 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

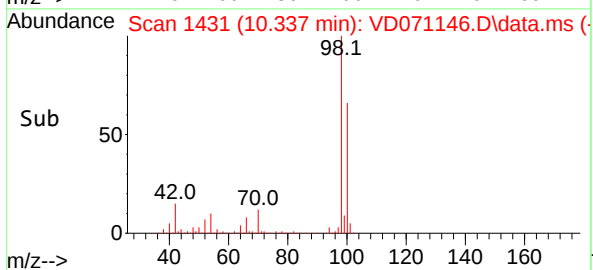
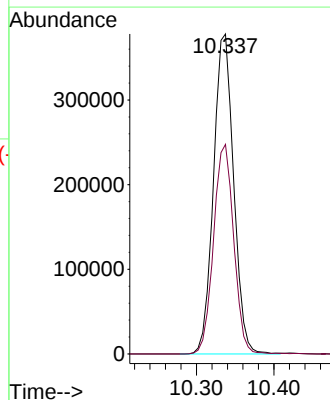
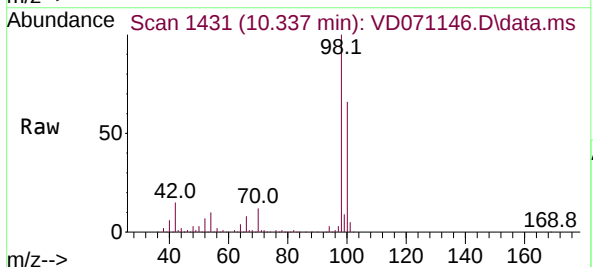
Instrument :
MSVOA_D
ClientSampleId :

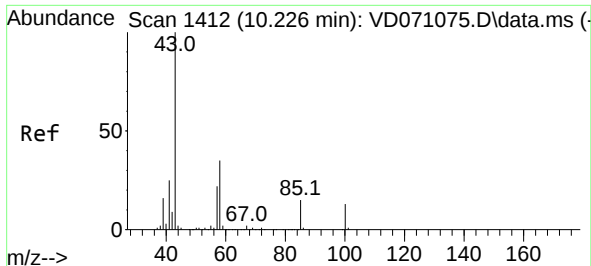
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.071 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion: 98 Resp: 682324
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

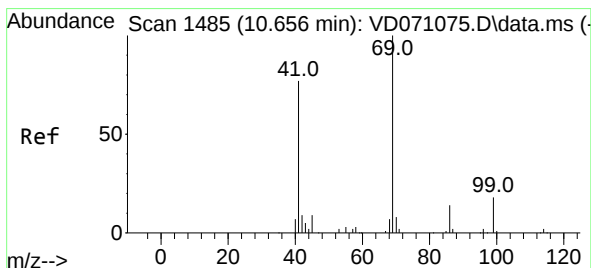
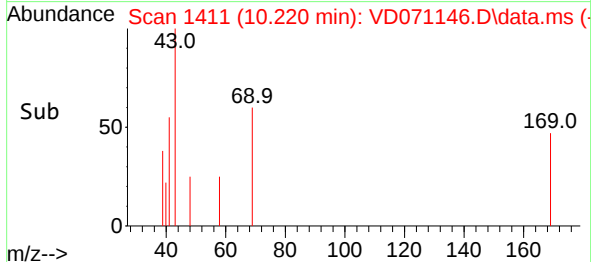
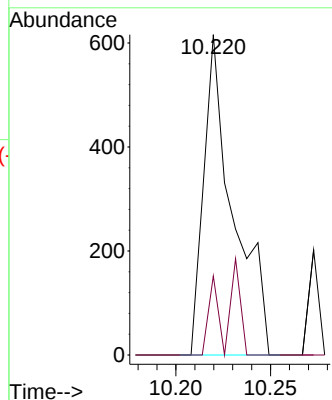
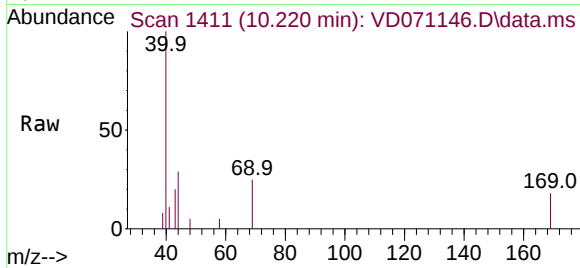




#51
4-Methyl-2-Pentanone
Concen: 30.894 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

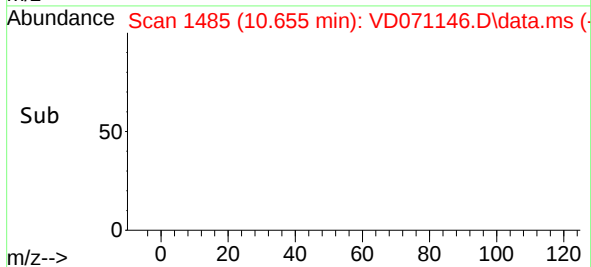
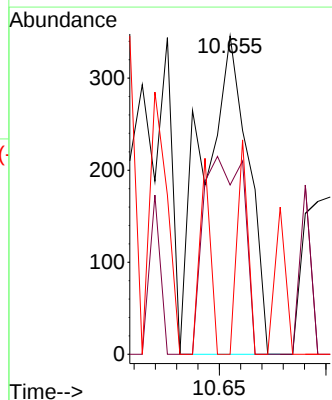
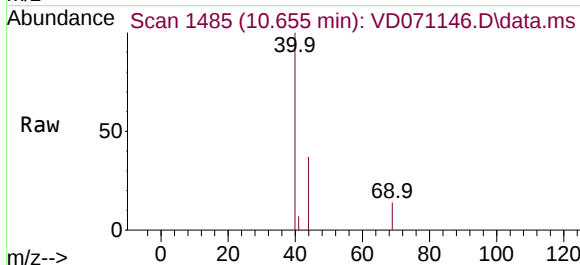
Instrument :
MSVOA_D
ClientSampleId :

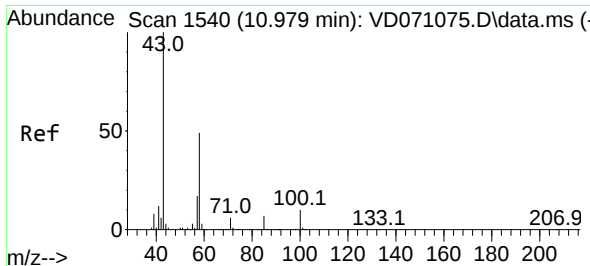
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.100 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion: 69 Resp: 513
Ion Ratio Lower Upper
69 100
41 54.8 50.2 75.2
39 16.0 19.8 29.8#

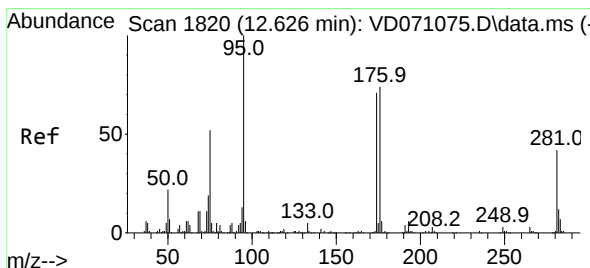
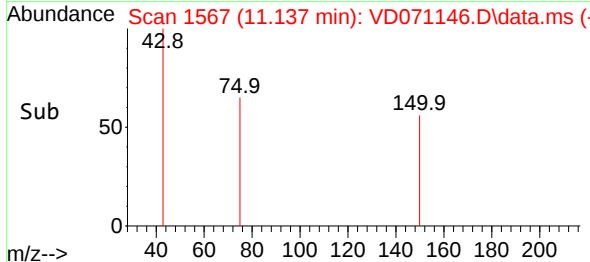
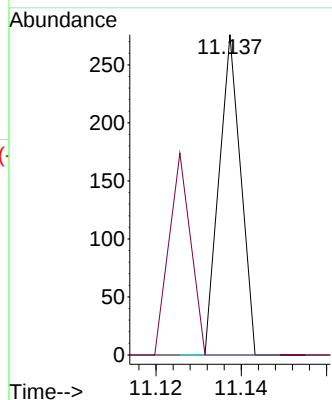
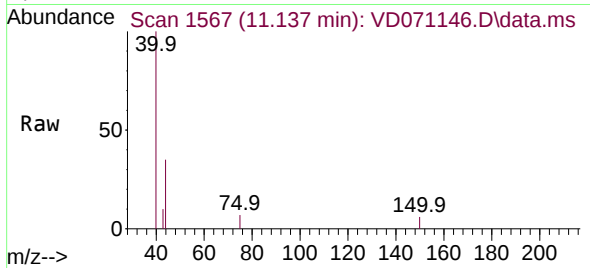




#59
2-Hexanone
Concen: 34.620 ug/l
RT: 11.137 min Scan# 11
Delta R.T. 0.158 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

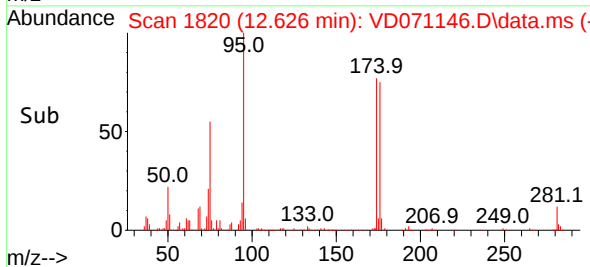
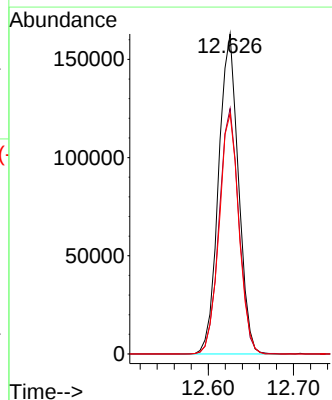
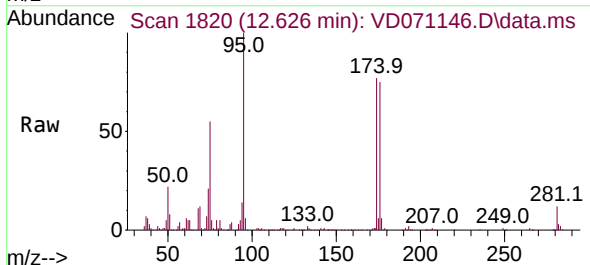
Instrument :
MSVOA_D
ClientSampleId :

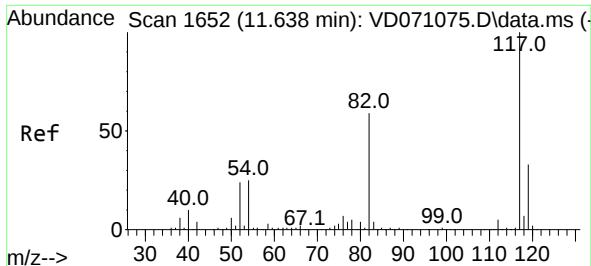
Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 62.9 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 59.014 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion: 95 Resp: 263006
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 74.7 0.0 154.0

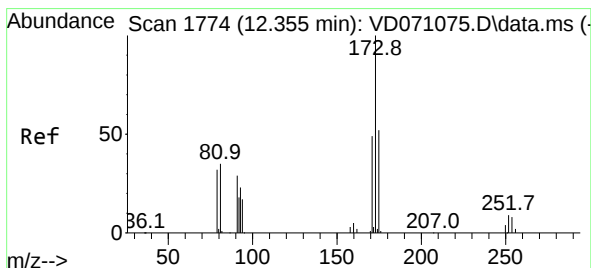
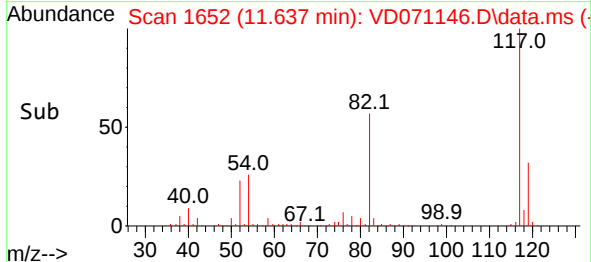
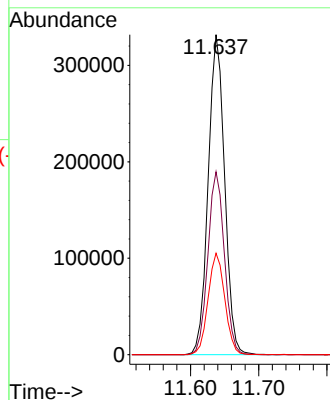
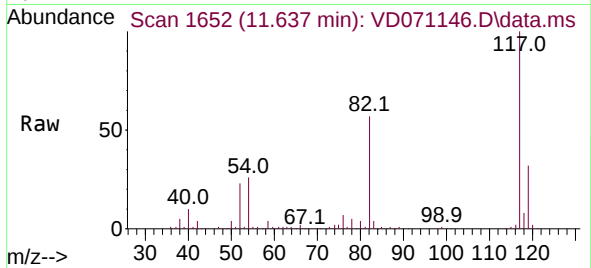




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

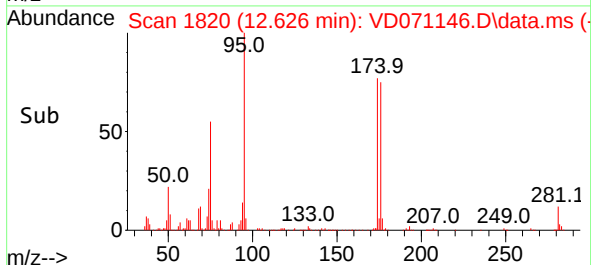
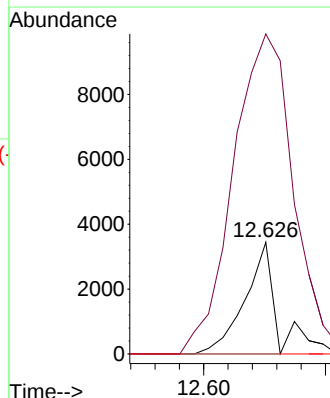
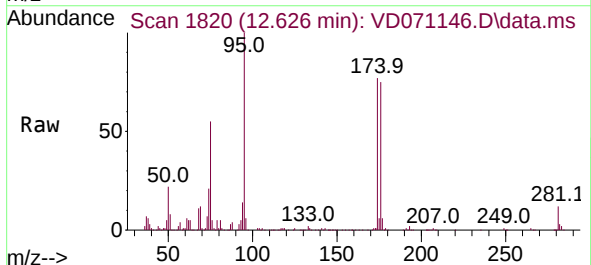
Instrument :
MSVOA_D
ClientSampleId :

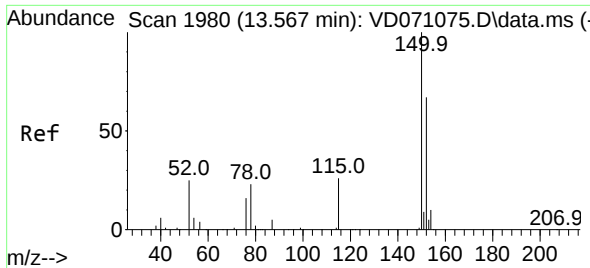
Tgt Ion:117 Resp: 556268
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.7 26.2 39.4



#71
Bromoform
Concen: 1.333 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

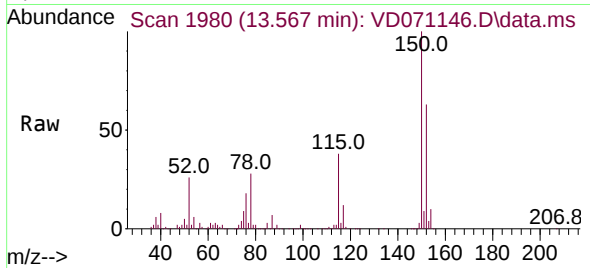
Tgt Ion:173 Resp: 2603
Ion Ratio Lower Upper
173 100
175 537.2 24.1 72.2#
254 0.0 0.1 0.1#



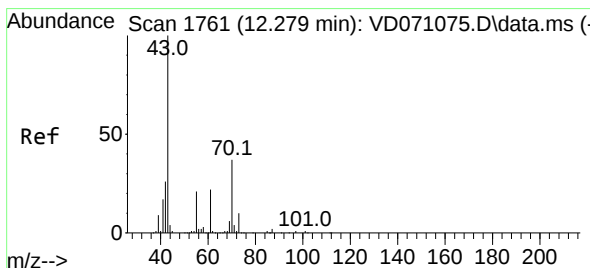
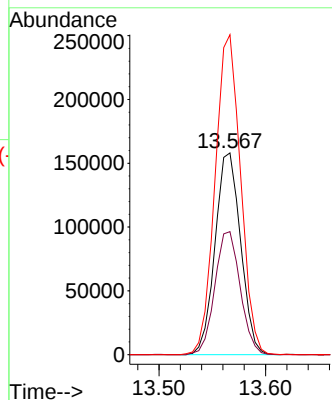
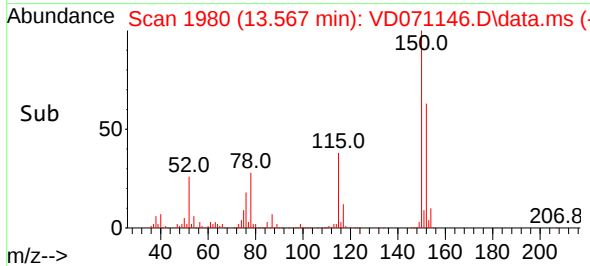


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

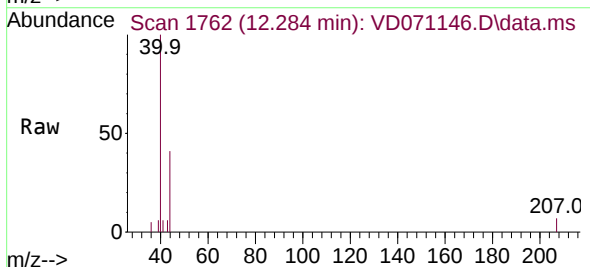
Instrument :
MSVOA_D
ClientSampleId :



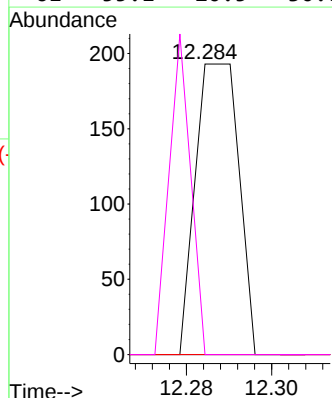
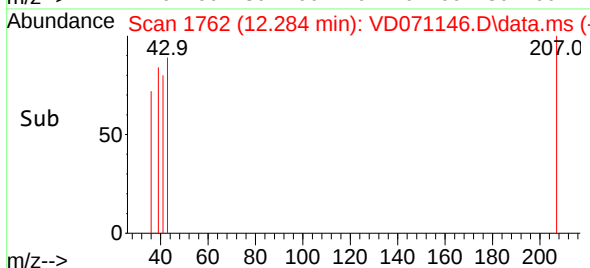
Tgt Ion:152 Resp: 263071
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 158.3 0.0 349.2

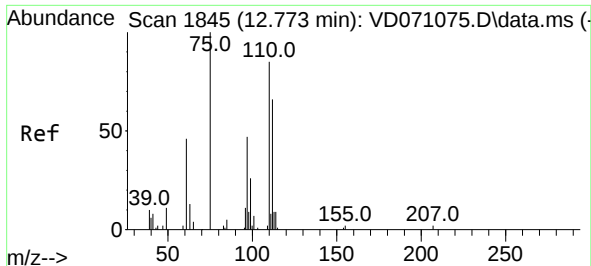


#74
N-ethyl acetate
Concen: 5.724 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24



Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 55.1 20.5 30.7#

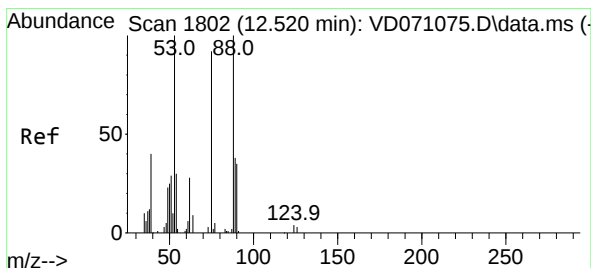
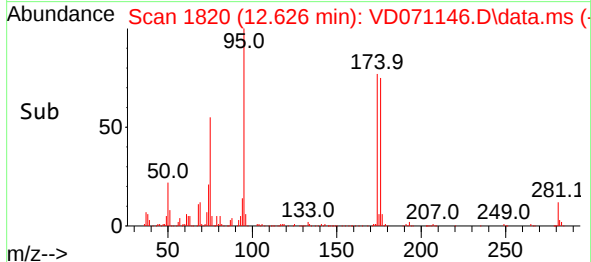
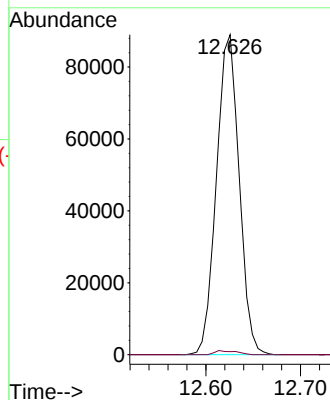
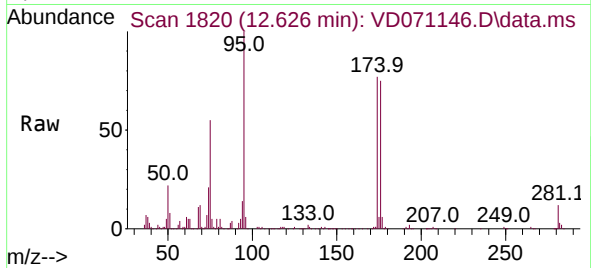




#76
1,2,3-Trichloropropane
Concen: 59.136 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 148221
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.118 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071146.D
Acq: 04 Dec 2021 16:24

Tgt Ion: 75 Resp: 148221
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.1 34.5 51.7#

