

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071150.D
 Acq On : 04 Dec 2021 18:17
 Operator : VA/SY
 Sample : M4927-06
 Misc : 5.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:44:25 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)

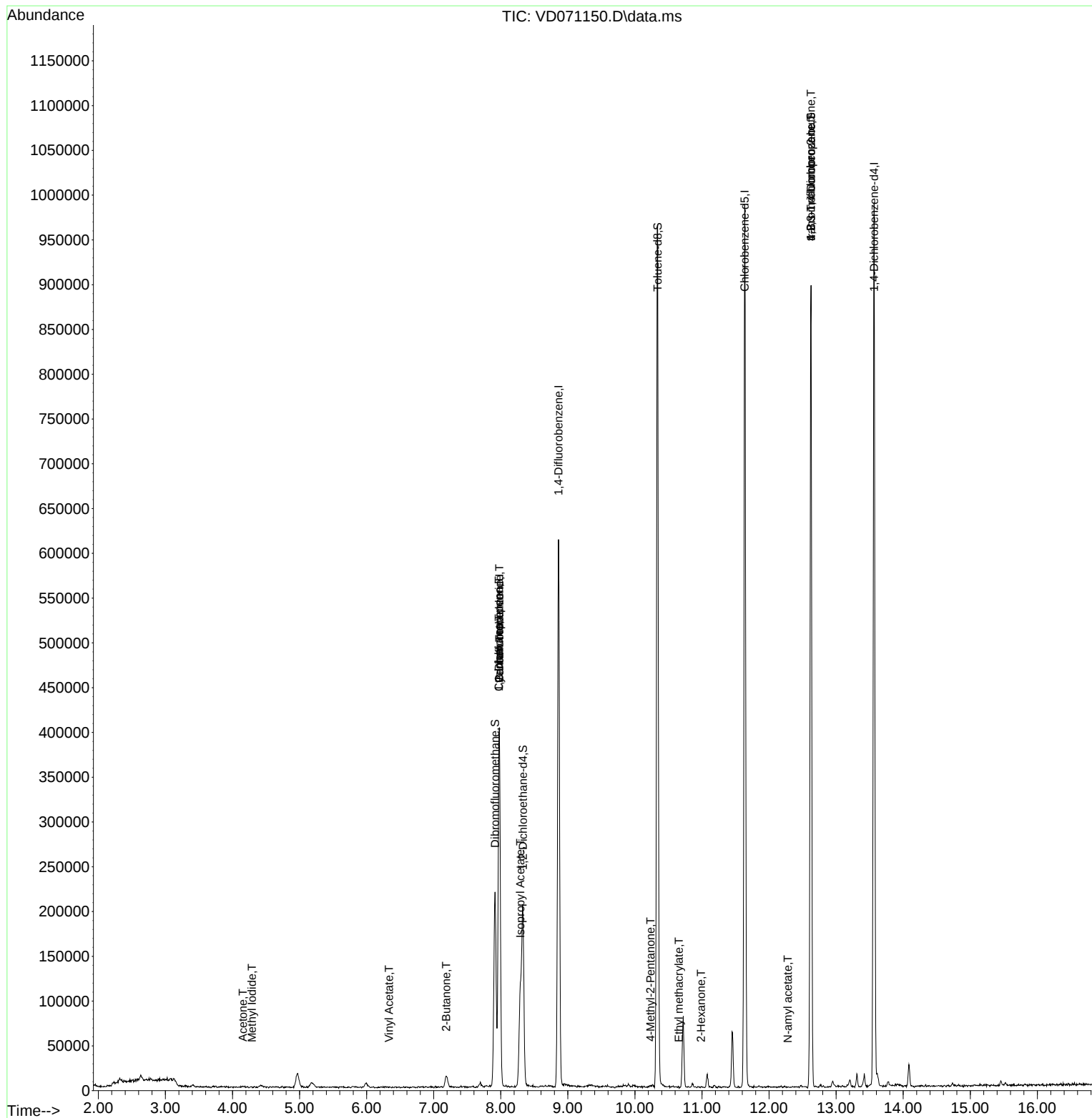
Internal Standards						
1) Pentafluorobenzene	7.979	168	286102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	493266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	518150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	236206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	151290	45.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.140%
35) Dibromofluoromethane	7.914	113	153662	48.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.840%
50) Toluene-d8	10.337	98	636100	53.215	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.440%
62) 4-Bromofluorobenzene	12.626	95	242117	58.433	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.860%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	54	4.575	ug/l #	40
11) Tert butyl alcohol	5.185	59	5710	Below Cal	#	73
16) Acetone	4.155	43	2039	32.802	ug/l #	78
20) Methylene Chloride	4.973	84	11239	Below Cal	#	88
23) Vinyl Acetate	6.332	43	89	27.233	ug/l #	72
25) 2-Butanone	7.185	43	711	28.971	ug/l #	45
31) Cyclohexane	7.973	56	8602	1.506	ug/l #	38
36) 1,1-Dichloropropene	7.973	75	28172	6.111	ug/l #	50
38) Carbon Tetrachloride	7.979	117	30838	6.786	ug/l #	17
41) Methacrylonitrile	7.538	41	58	Below Cal	#	12
43) Isopropyl Acetate	8.290	43	3786	5.997	ug/l #	62
51) 4-Methyl-2-Pentanone	10.232	43	579	30.878	ug/l #	34
56) Ethyl methacrylate	10.655	69	80	5.992	ug/l #	28
59) 2-Hexanone	10.984	43	298	34.726	ug/l #	22
74) N-amyl acetate	12.279	43	298	5.757	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	135952	60.411	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	135952	130.754	ug/l #	18

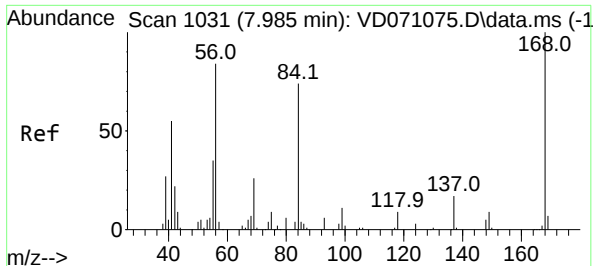
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 03:44:25 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

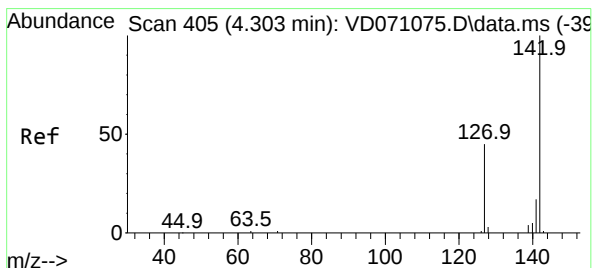
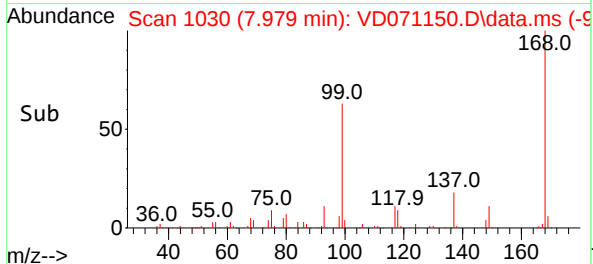
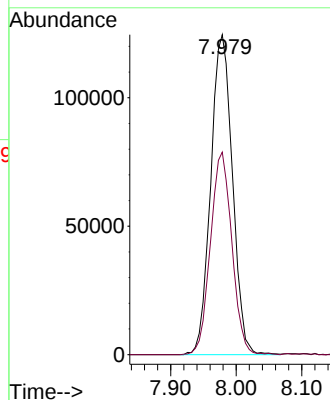
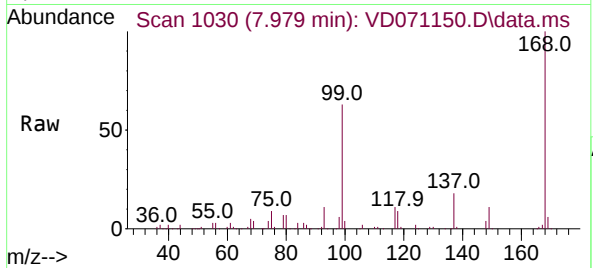




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

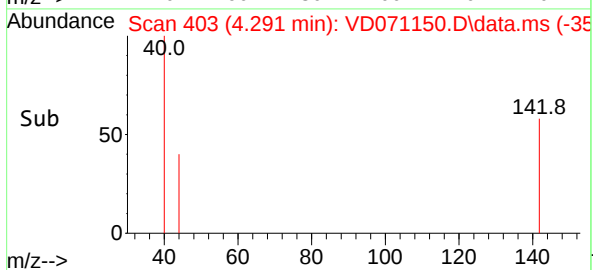
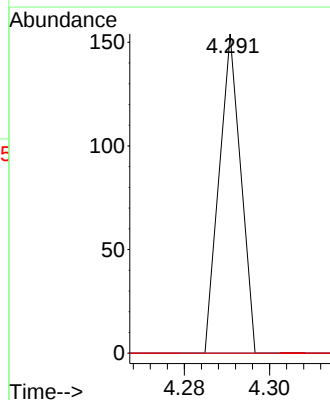
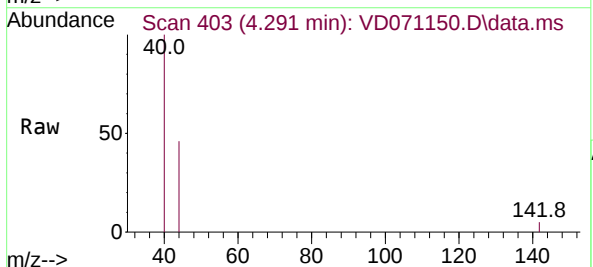
Instrument :
MSVOA_D
ClientSampleId :

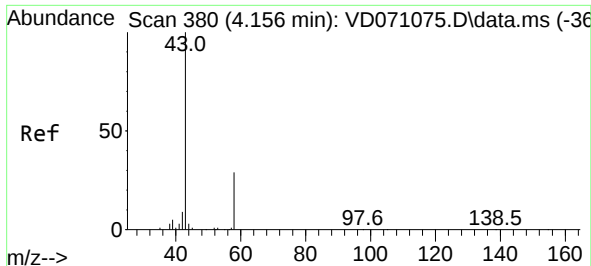
Tgt Ion:168 Resp: 286102
Ion Ratio Lower Upper
168 100
99 63.3 46.6 69.8



#10
Methyl Iodide
Concen: 4.575 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

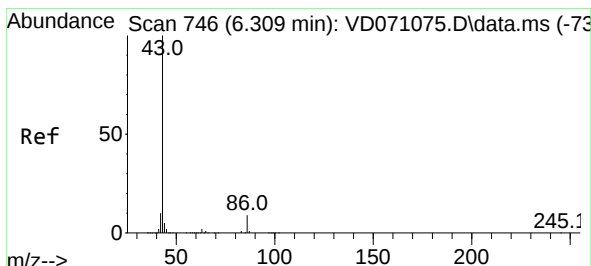
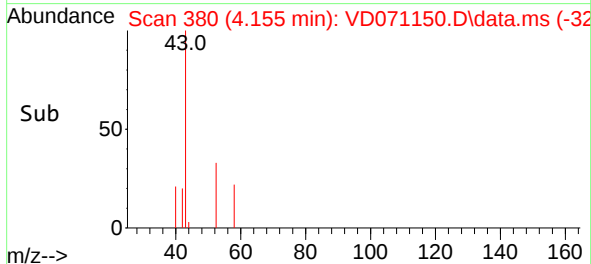
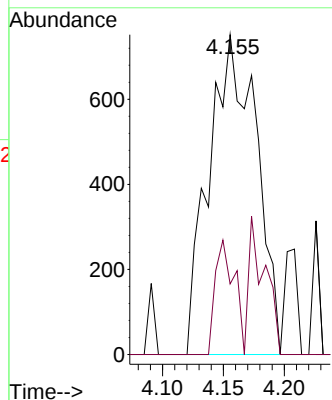
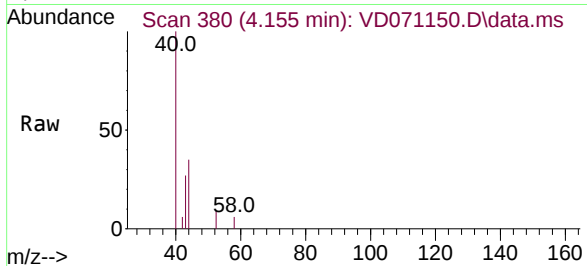




#16
Acetone
Concen: 32.802 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

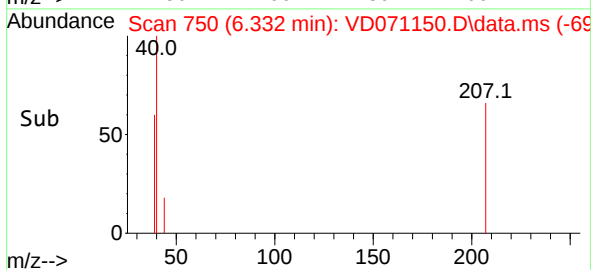
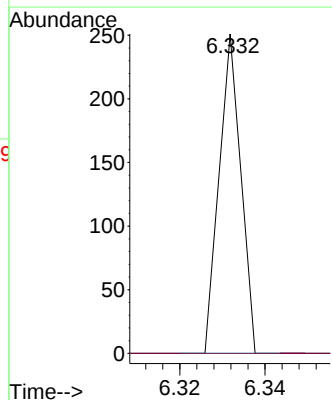
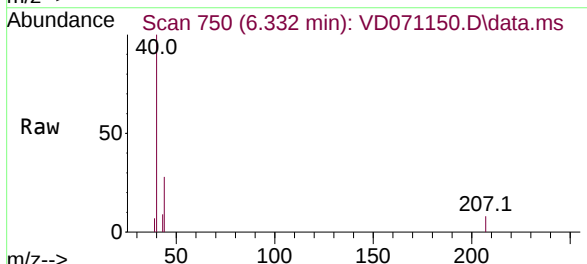
Instrument :
MSVOA_D
ClientSampleId :

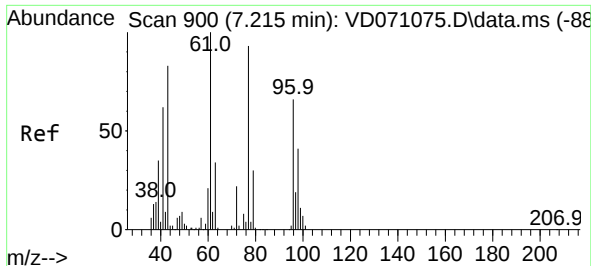
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 22.1 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.233 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.023 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

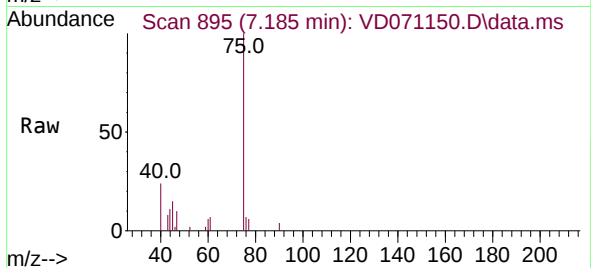
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



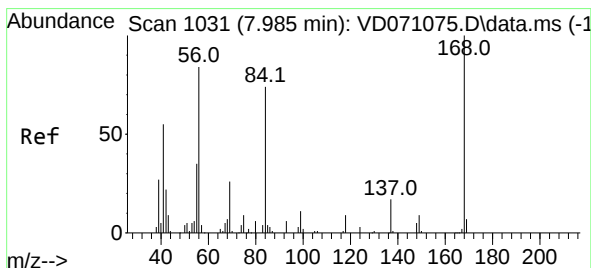
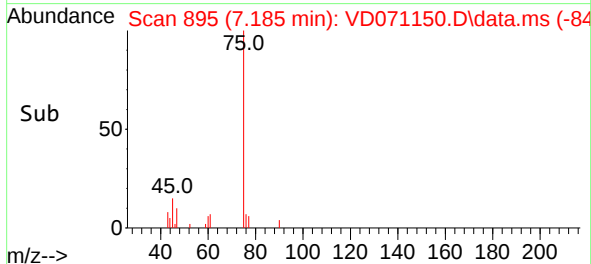
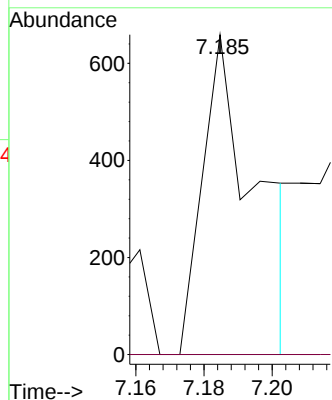


#25
2-Butanone
Concen: 28.971 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.030 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

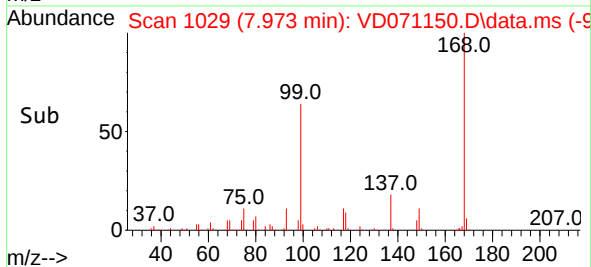
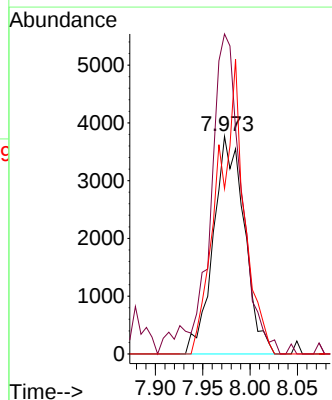
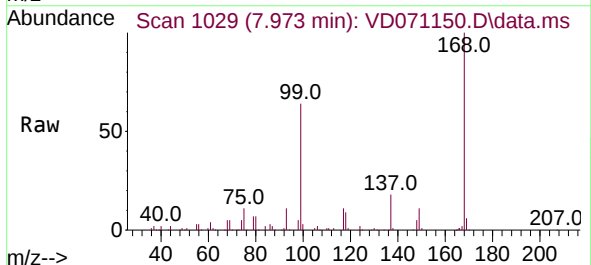


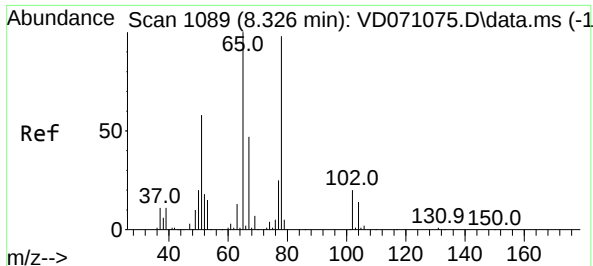
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.506 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Tgt Ion: 56 Resp: 8602
Ion Ratio Lower Upper
56 100
69 147.0 25.9 38.9#
84 76.0 64.3 96.5

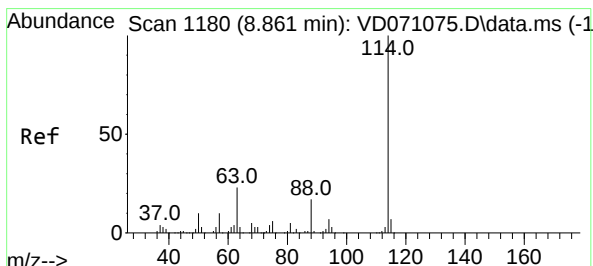
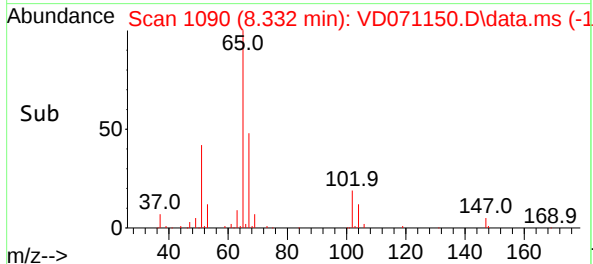
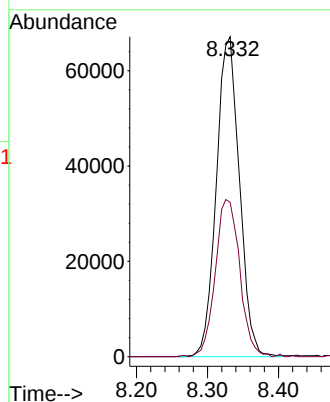
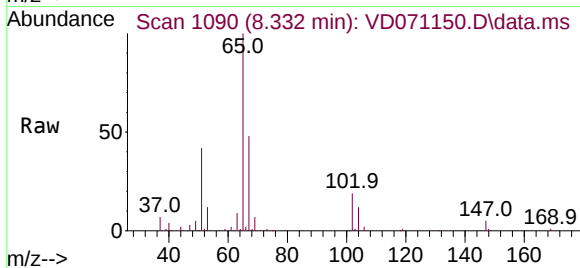




#33
1,2-Dichloroethane-d4
Concen: 45.066 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

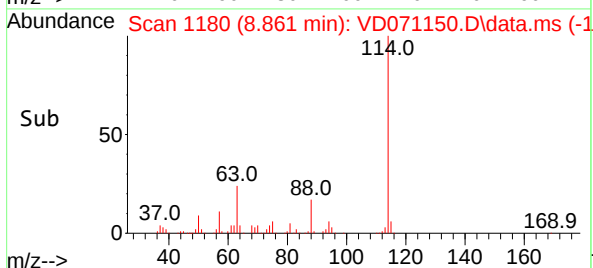
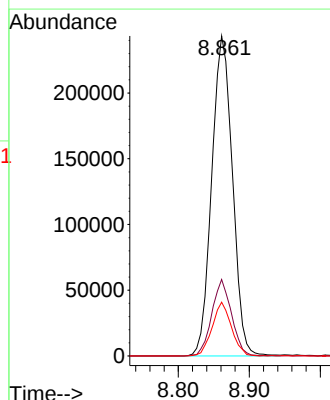
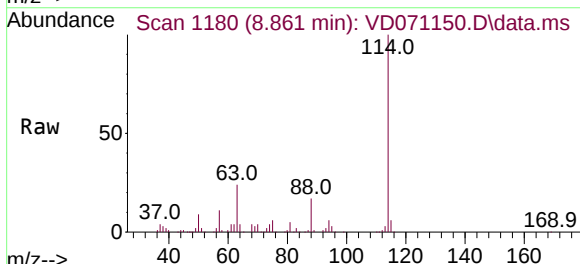
Instrument :
MSVOA_D
ClientSampleId :

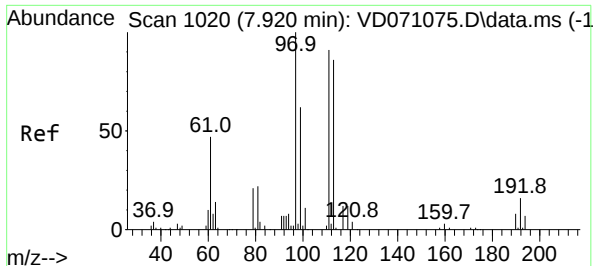
Tgt Ion: 65 Resp: 151290
Ion Ratio Lower Upper
65 100
67 52.1 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Tgt Ion: 114 Resp: 493266
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.920 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071150.D

Acq: 04 Dec 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :

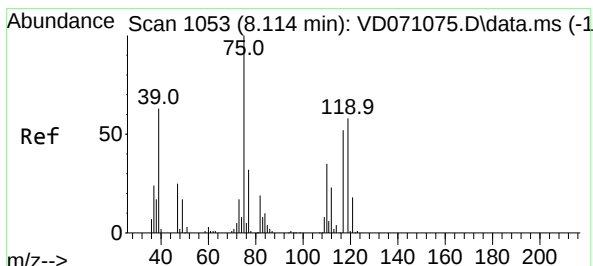
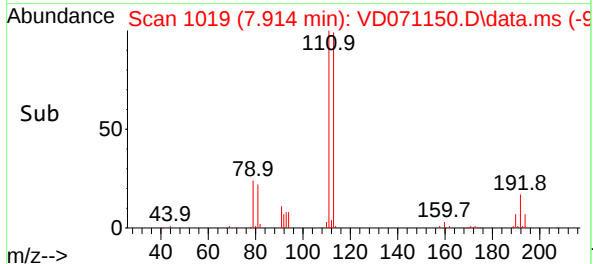
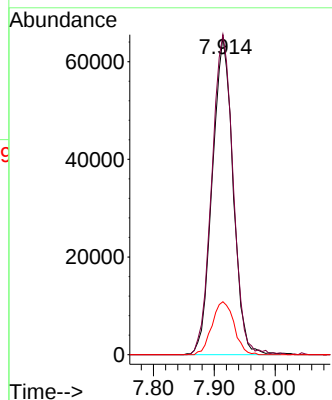
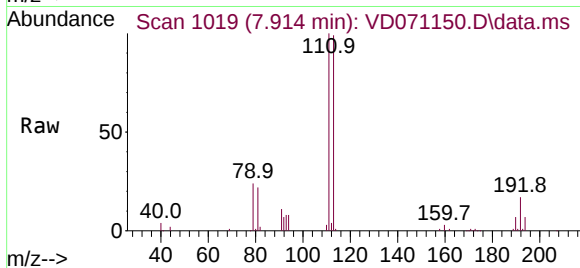
Tgt Ion:113 Resp: 153662

Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 17.7 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.111 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071150.D

Acq: 04 Dec 2021 18:17

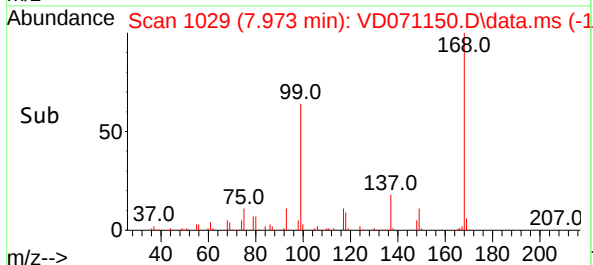
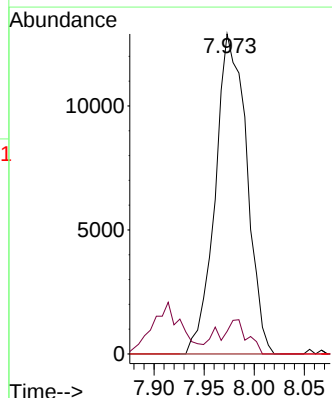
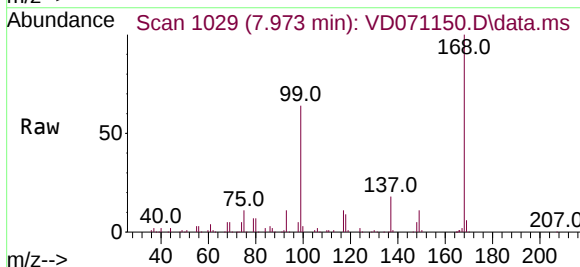
Tgt Ion: 75 Resp: 28172

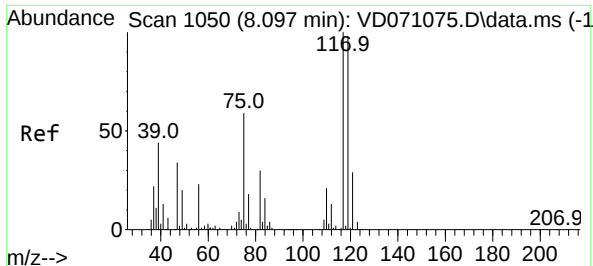
Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.4#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.786 ug/l

RT: 7.979 min Scan# 1083

Delta R.T. -0.118 min

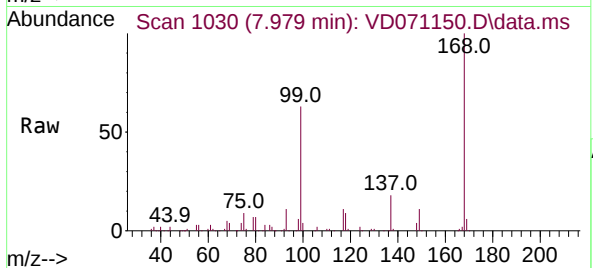
Lab File: VD071150.D

Acq: 04 Dec 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :



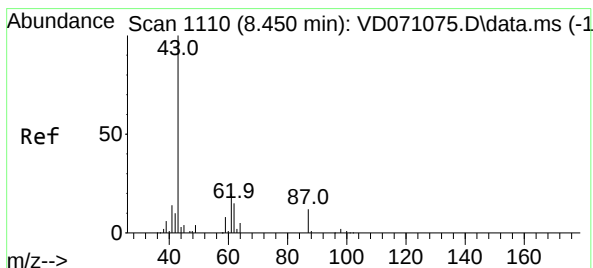
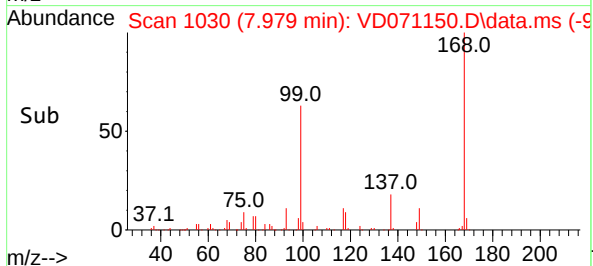
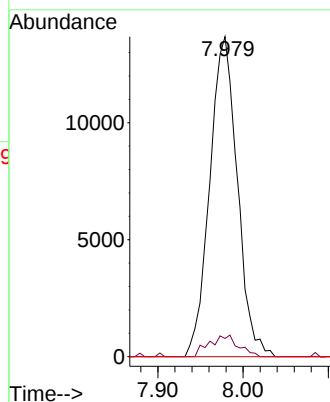
Tgt Ion:117 Resp: 30838

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.997 ug/l

RT: 8.290 min Scan# 1083

Delta R.T. -0.159 min

Lab File: VD071150.D

Acq: 04 Dec 2021 18:17

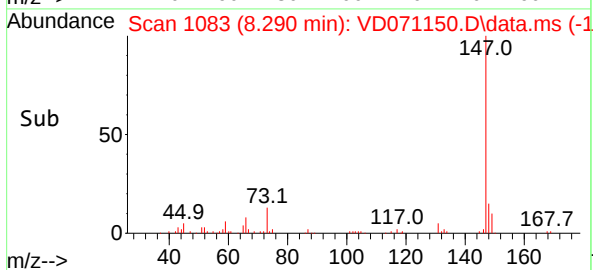
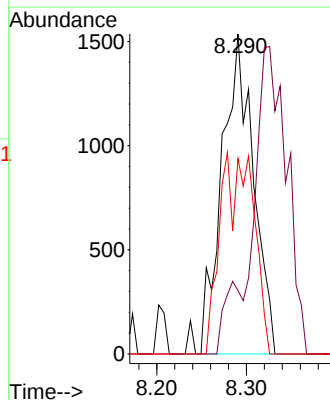
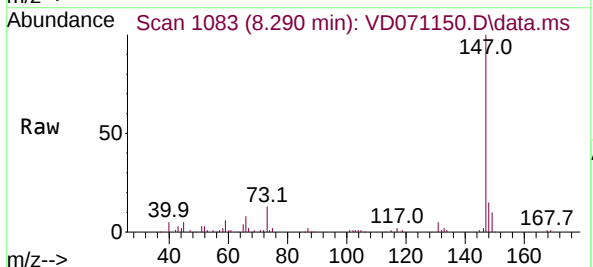
Tgt Ion: 43 Resp: 3786

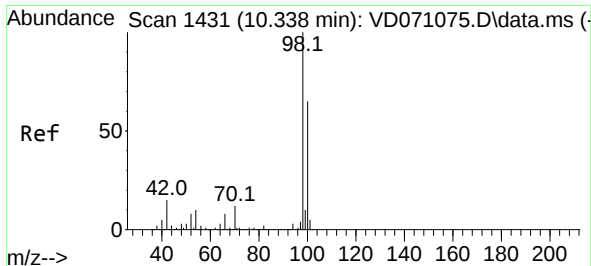
Ion Ratio Lower Upper

43 100

61 13.1 28.2 42.4#

87 28.7 10.7 16.1#

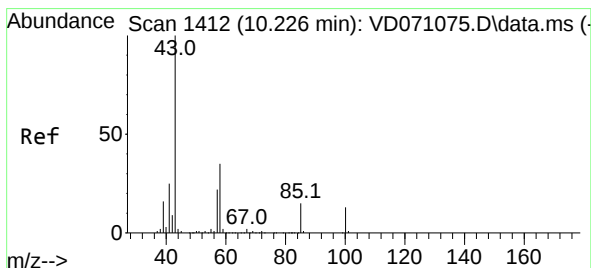
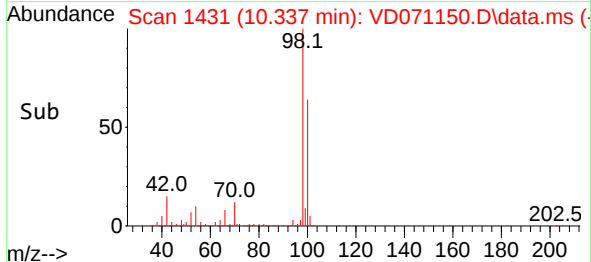
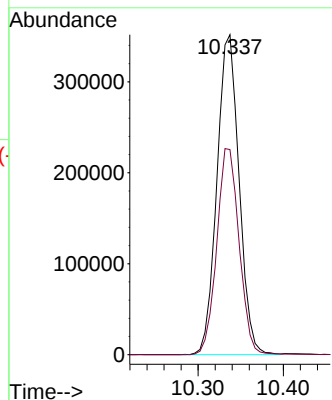
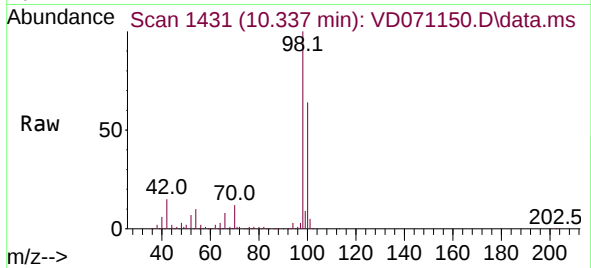




#50
Toluene-d8
Concen: 53.215 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

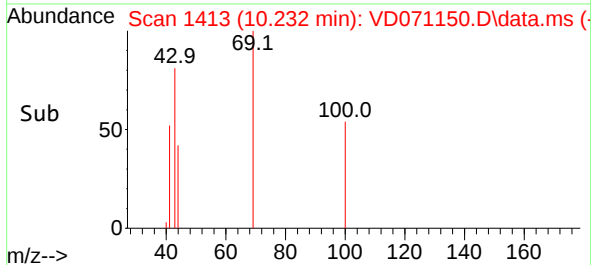
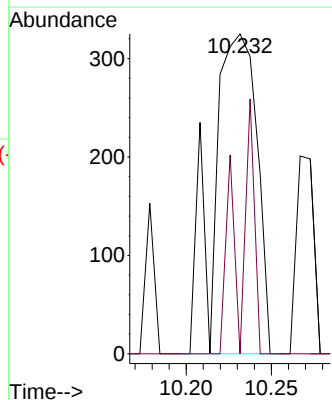
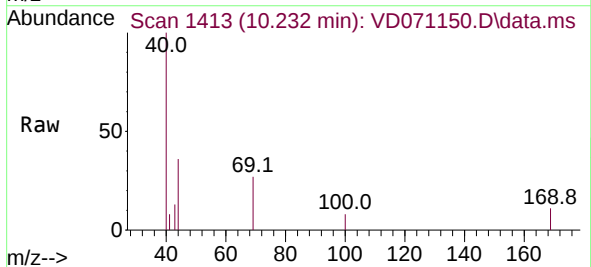
Instrument :
MSVOA_D
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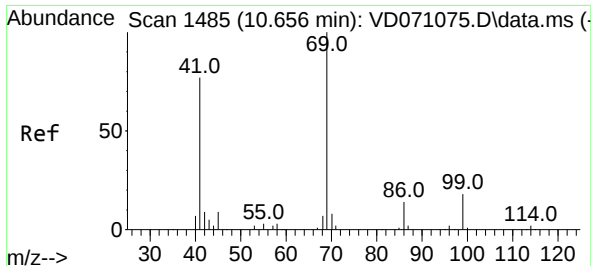
Tgt Ion: 98 Resp: 636100
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.878 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

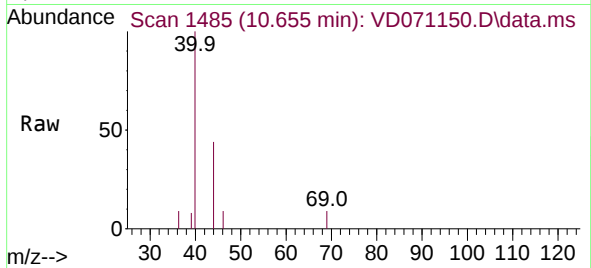
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



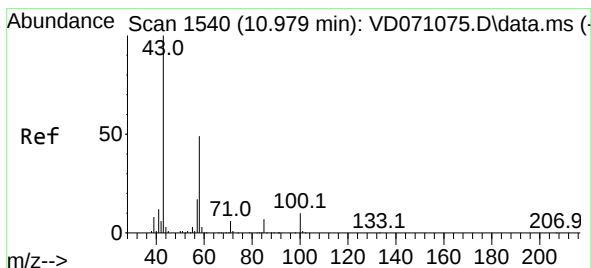
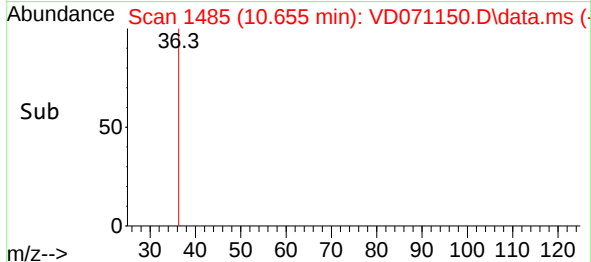
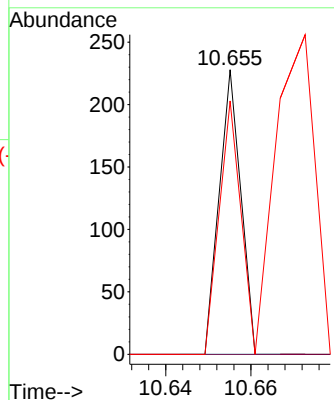


#56
Ethyl methacrylate
Concen: 5.992 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

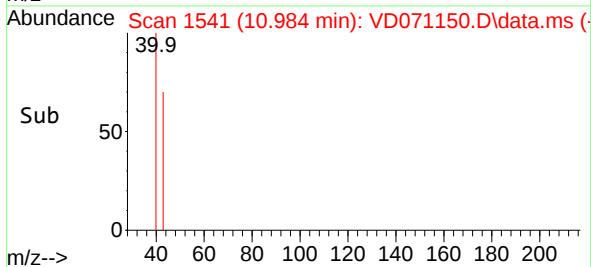
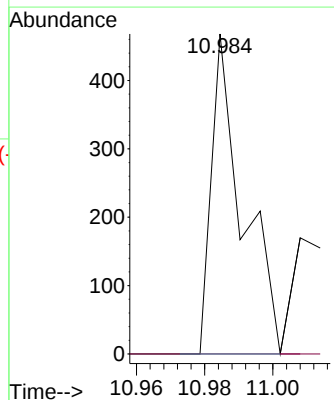
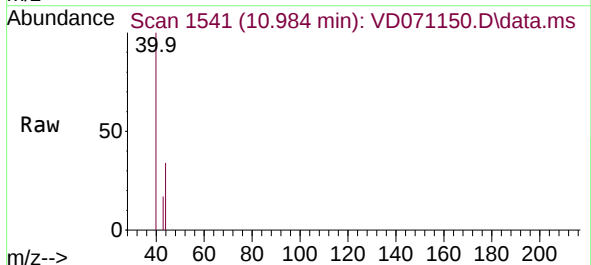


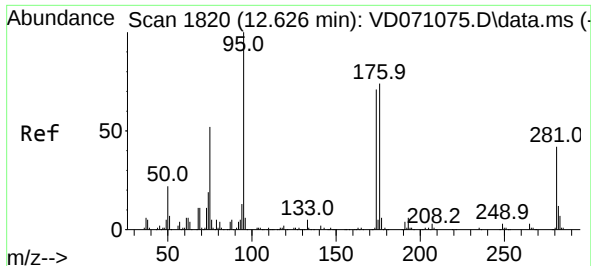
Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.726 ug/l
RT: 10.984 min Scan# 1541
Delta R.T. 0.005 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

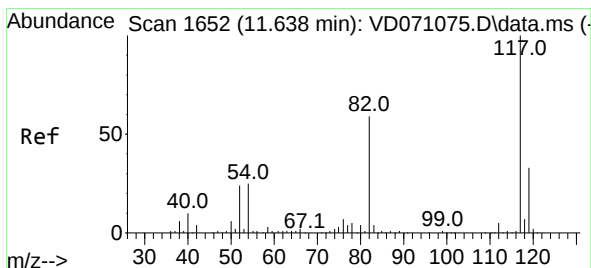
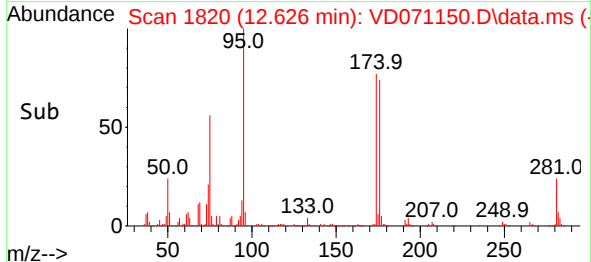
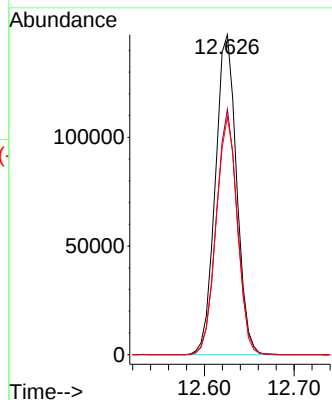
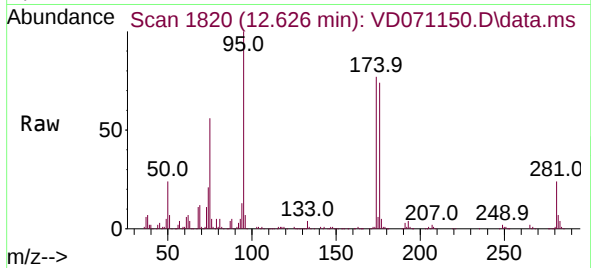




#62
4-Bromofluorobenzene
Concen: 58.433 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

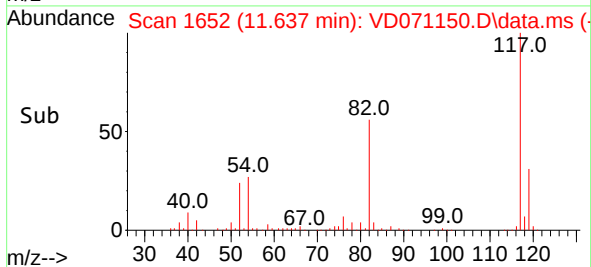
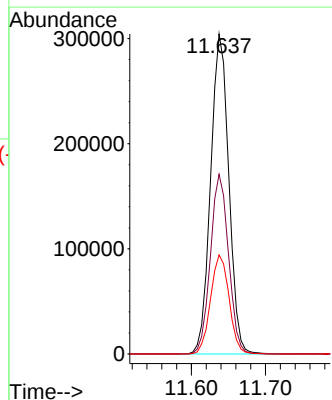
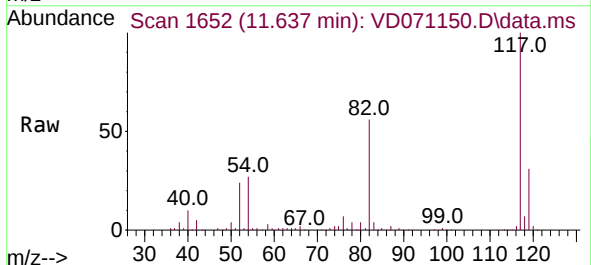
Instrument :
MSVOA_D
ClientSampleId :

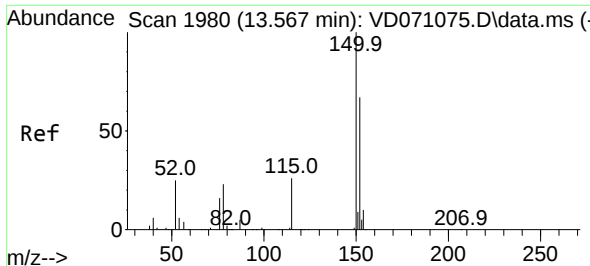
Tgt Ion: 95 Resp: 242117
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 74.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

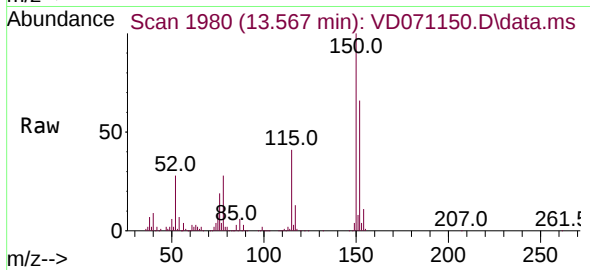
Tgt Ion: 117 Resp: 518150
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 30.9 26.2 39.4





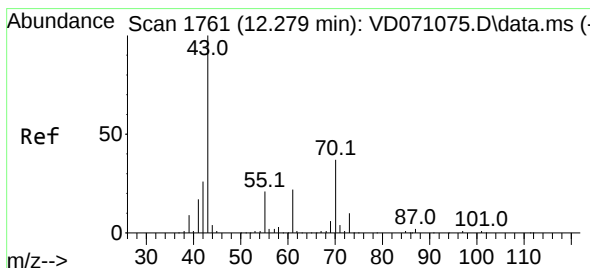
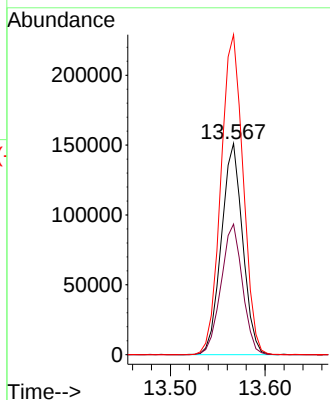
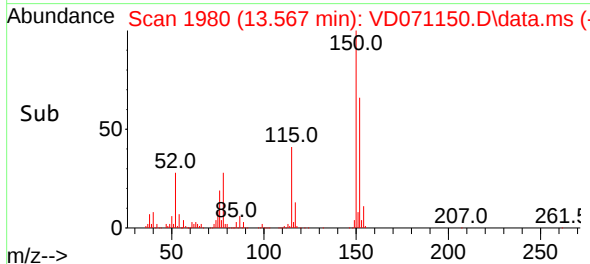
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071150.D
 Acq: 04 Dec 2021 18:17

Instrument :
 MSVOA_D
 ClientSampleId :

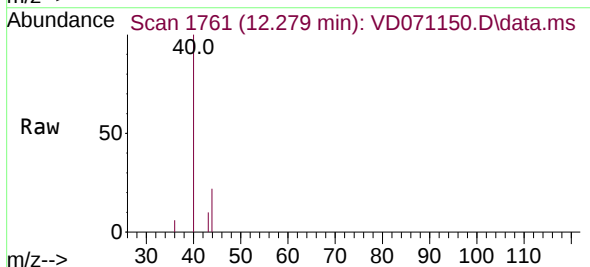


Tgt Ion:152 Resp: 236206

Ion	Ratio	Lower	Upper
152	100		
115	62.2	29.8	89.3
150	158.1	0.0	349.2

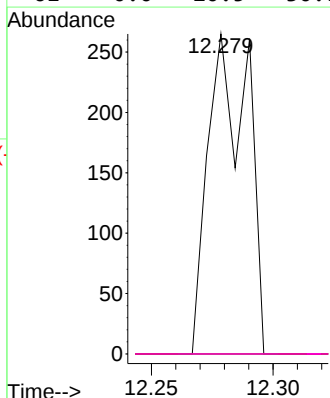
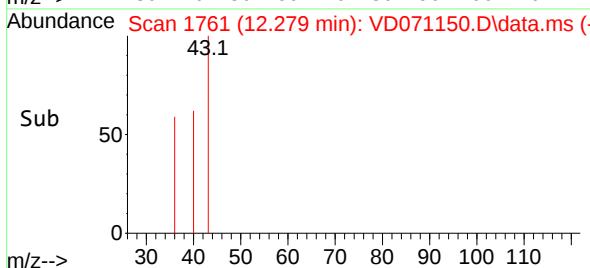


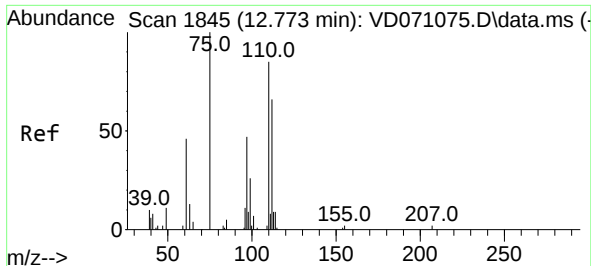
#74
 N-ethyl acetate
 Concen: 5.757 ug/l
 RT: 12.279 min Scan# 1761
 Delta R.T. -0.000 min
 Lab File: VD071150.D
 Acq: 04 Dec 2021 18:17



Tgt Ion: 43 Resp: 298

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

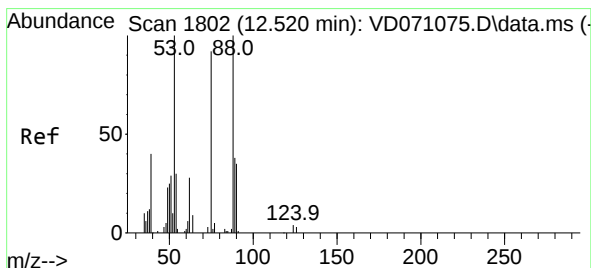
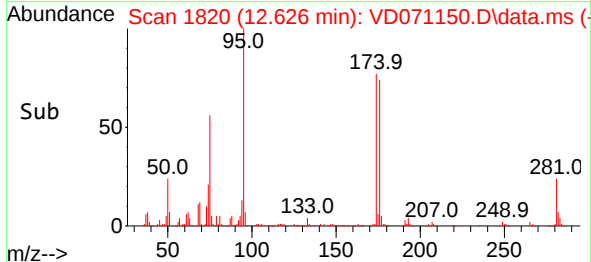
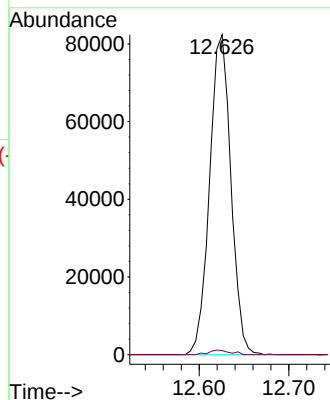
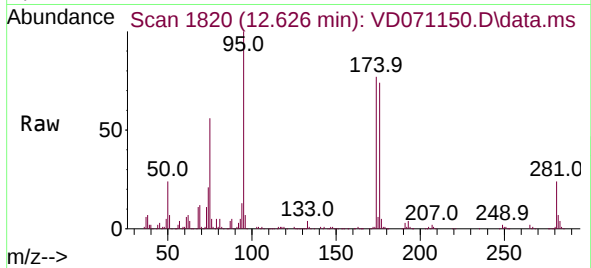




#76
1,2,3-Trichloropropane
Concen: 60.411 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 135952
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.754 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071150.D
Acq: 04 Dec 2021 18:17

Tgt Ion: 75 Resp: 135952
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#

