

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071373.D
 Acq On : 16 Dec 2021 18:01
 Operator : VA/SY
 Sample : M5122-01
 Misc : 5.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:51:28 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)

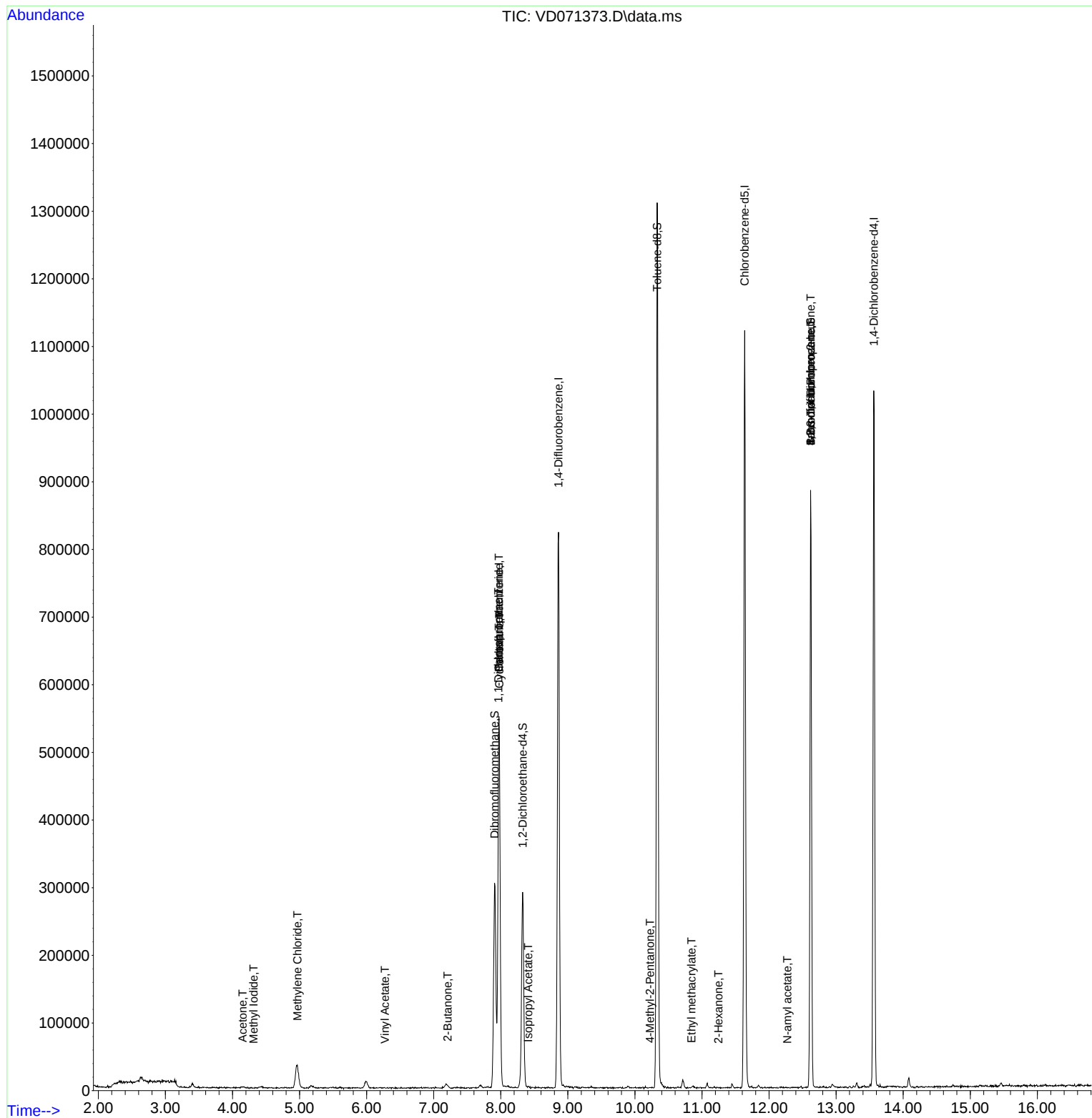
Internal Standards						
1) Pentafluorobenzene	7.973	168	378696	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	668433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	588846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226414	50.953	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.900%	
35) Dibromofluoromethane	7.908	113	210424	49.436	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.880%	
50) Toluene-d8	10.332	98	834189	51.499	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.620	95	250481	44.610	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.220%	
Target Compounds						Qvalue
10) Methyl Iodide	4.314	142	65	4.574	ug/l #	40
11) Tert butyl alcohol	5.214	59	577	Below Cal	#	71
16) Acetone	4.150	43	3067	33.075	ug/l #	78
20) Methylene Chloride	4.967	84	23977	1.278	ug/l	92
23) Vinyl Acetate	6.273	43	138	27.235	ug/l #	72
25) 2-Butanone	7.208	43	336	28.578	ug/l #	45
31) Cyclohexane	7.979	56	11303	1.495	ug/l #	13
36) 1,1-Dichloropropene	7.967	75	37073	5.934	ug/l #	49
38) Carbon Tetrachloride	7.973	117	41181	6.687	ug/l #	17
41) Methacrylonitrile	7.520	41	74	Below Cal	#	1
43) Isopropyl Acetate	8.408	43	56	5.231	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	267	30.729	ug/l #	34
56) Ethyl methacrylate	10.844	69	70	5.984	ug/l #	1
59) 2-Hexanone	11.244	43	118	34.618	ug/l	96
71) Bromoform	12.620	173	3299	1.596	ug/l #	1
74) N-amyl acetate	12.273	43	245	5.745	ug/l #	52
76) 1,2,3-Trichloropropane	12.620	75	144716	61.567	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	144716	133.147	ug/l #	18

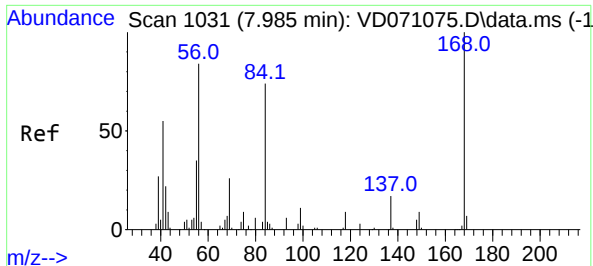
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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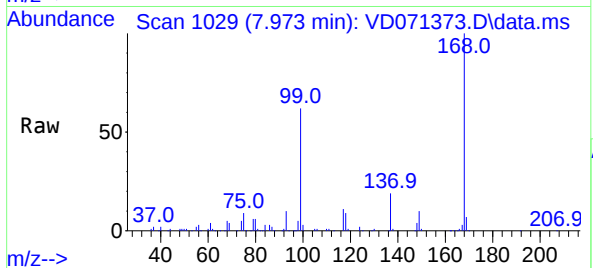
Quant Time: Dec 16 23:51:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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QLast Update : Mon Nov 29 17:54:09 2021
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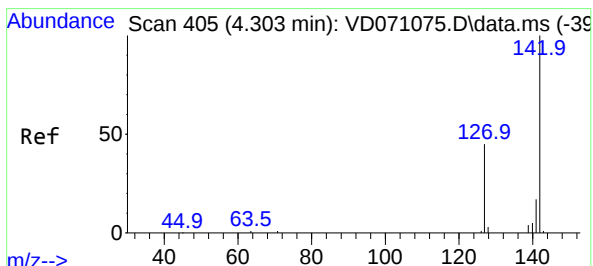
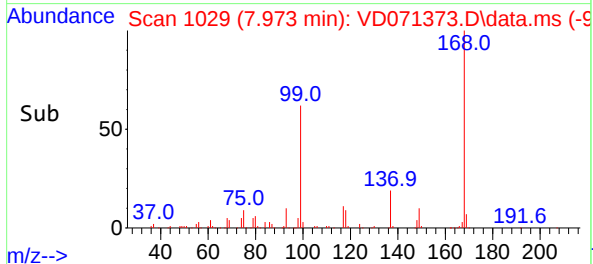
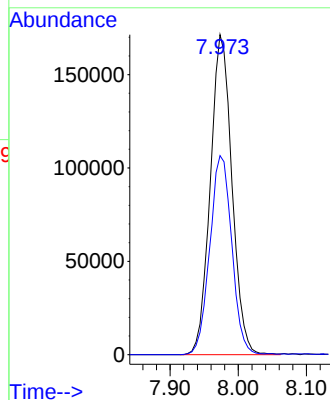


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

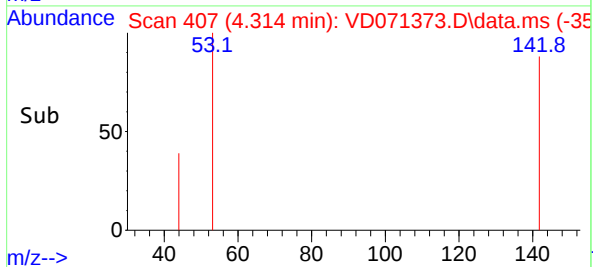
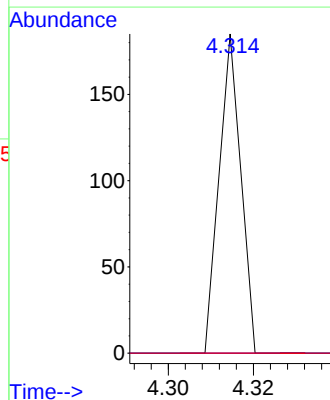
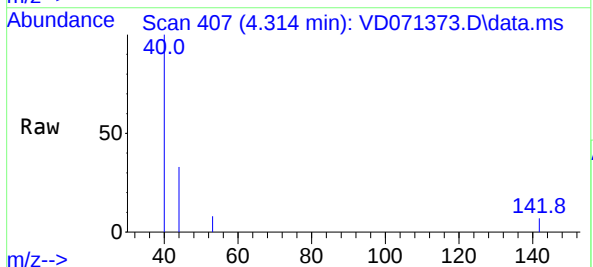


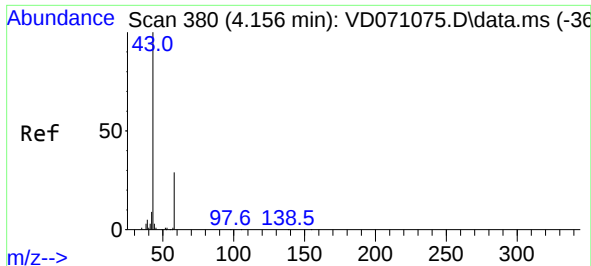
Tgt Ion:168 Resp: 378696
Ion Ratio Lower Upper
168 100
99 62.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.574 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

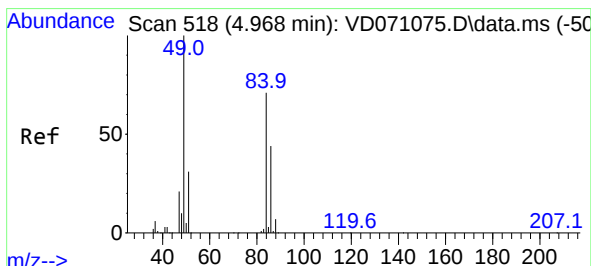
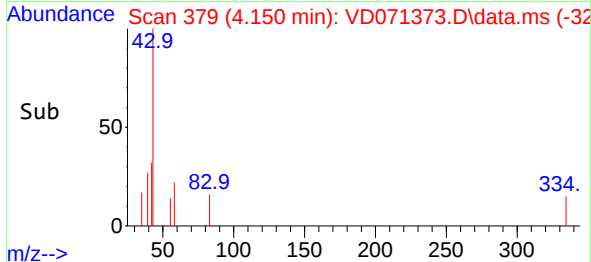
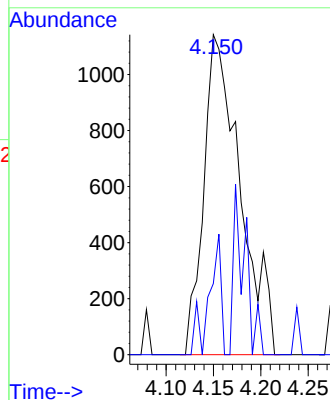
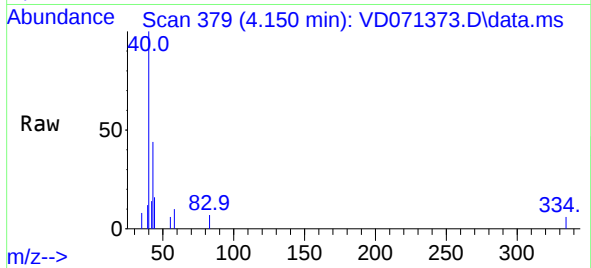




#16
Acetone
Concen: 33.075 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

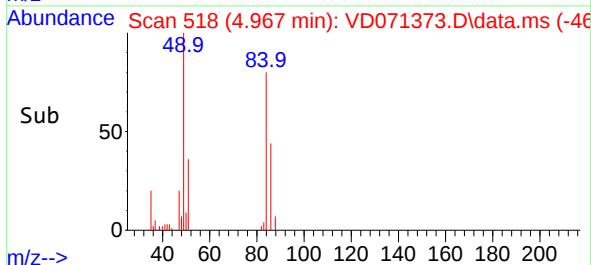
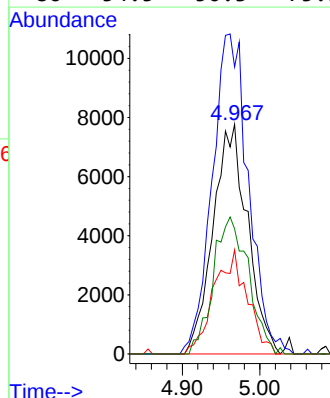
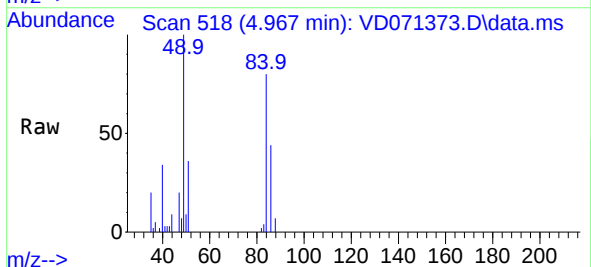
Instrument :
MSVOA_D
ClientSampleId :

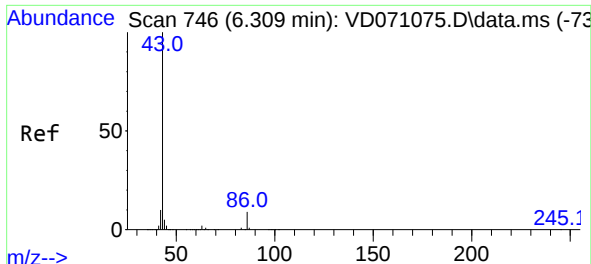
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
58 22.2 27.8 41.8#



#20
Methylene Chloride
Concen: 1.278 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion: 84 Resp: 23977
Ion Ratio Lower Upper
84 100
49 125.0 95.8 143.6
51 45.3 30.9 46.3
86 54.5 50.3 75.5

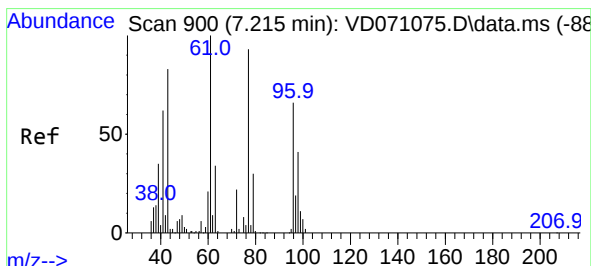
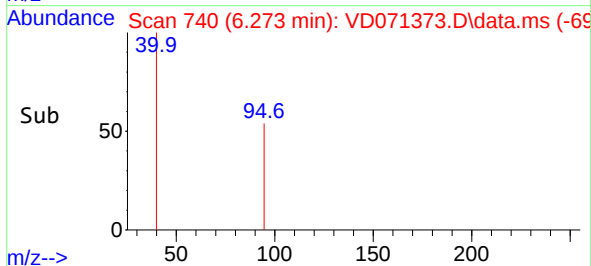
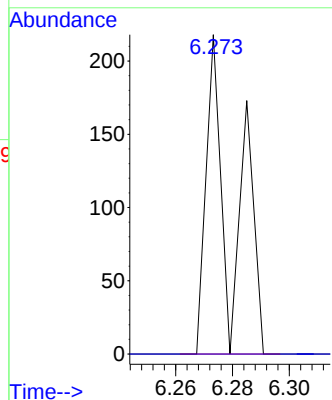
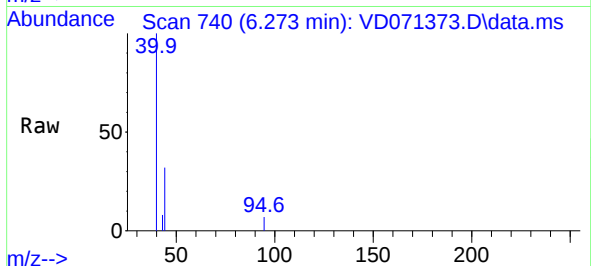




#23
 Vinyl Acetate
 Concen: 27.235 ug/l
 RT: 6.273 min Scan# 746
 Delta R.T. -0.036 min
 Lab File: VD071373.D
 Acq: 16 Dec 2021 18:01

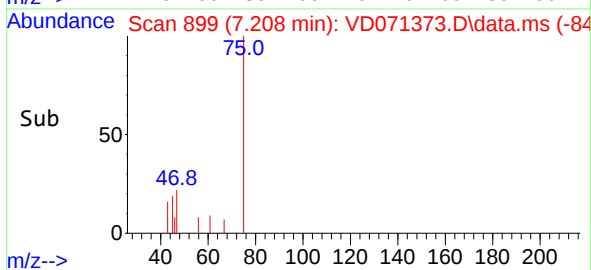
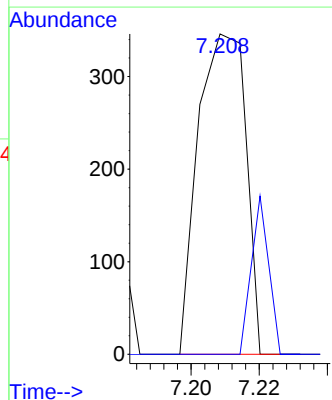
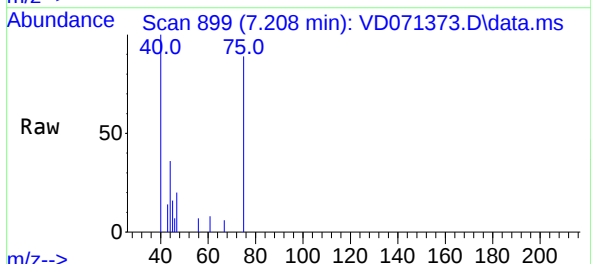
Instrument :
 MSVOA_D
 ClientSampleId :

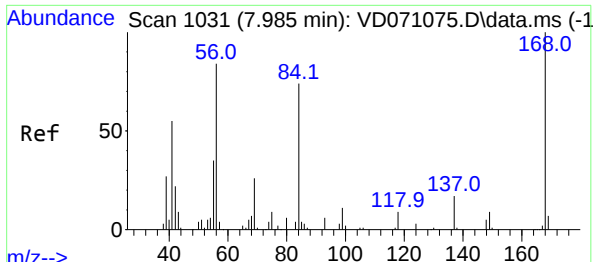
Tgt Ion: 43 Resp: 138
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.578 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.007 min
 Lab File: VD071373.D
 Acq: 16 Dec 2021 18:01

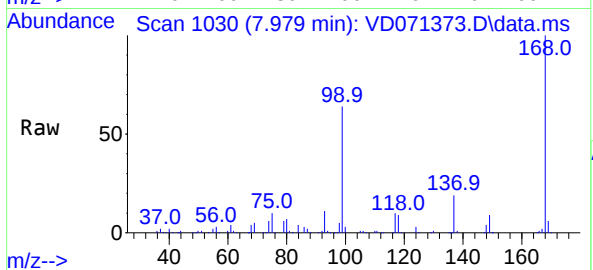
Tgt Ion: 43 Resp: 336
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



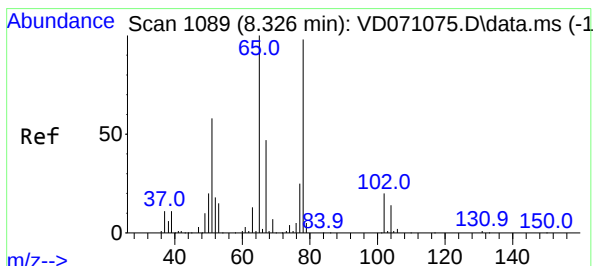
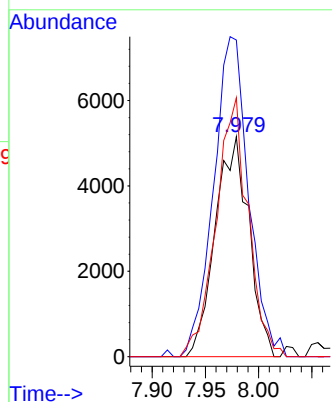
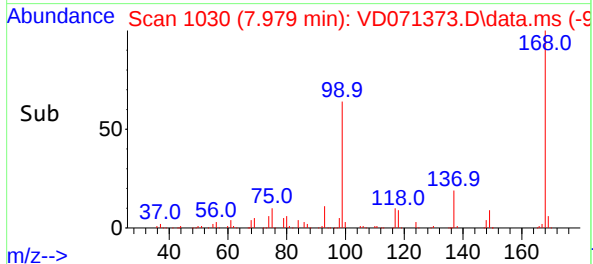


#31
Cyclohexane
Concen: 1.495 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

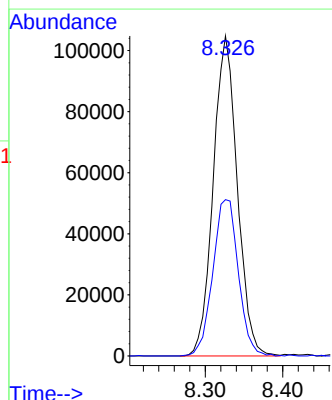
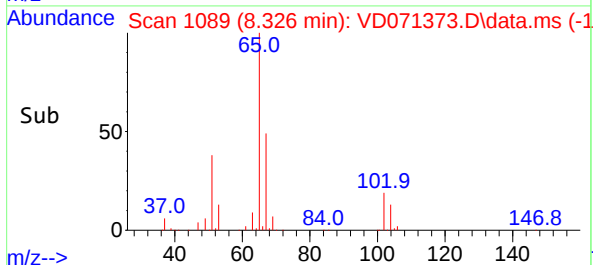
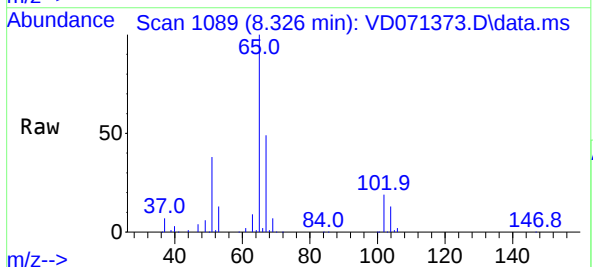


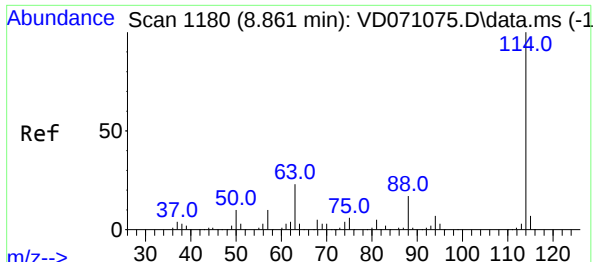
Tgt Ion: 56 Resp: 11303
Ion Ratio Lower Upper
56 100
69 143.9 25.9 38.9#
84 117.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.953 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

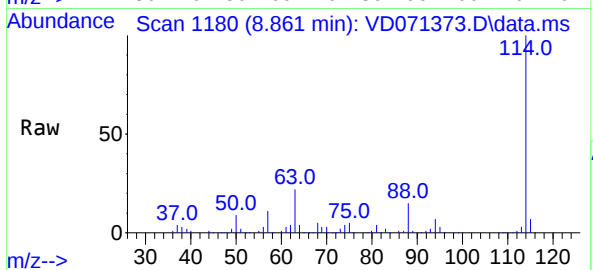
Tgt Ion: 65 Resp: 226414
Ion Ratio Lower Upper
65 100
67 51.8 0.0 112.2



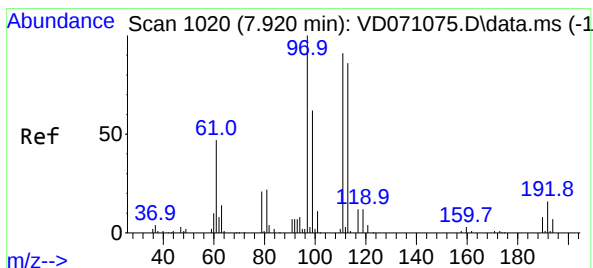
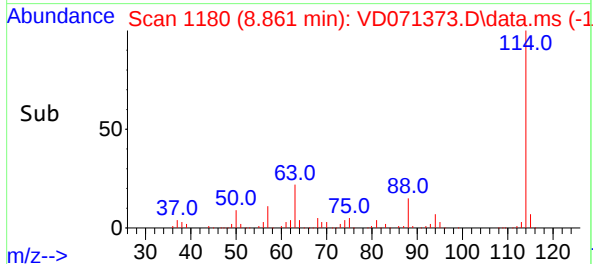
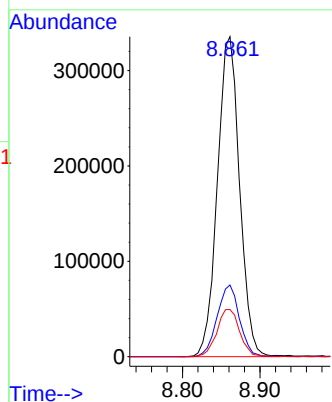


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

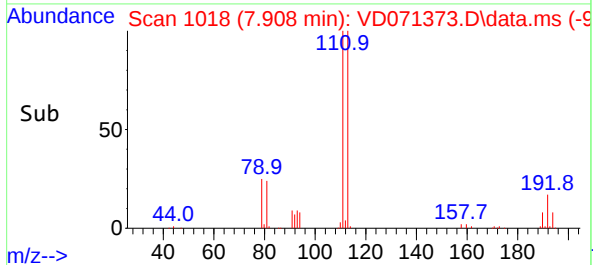
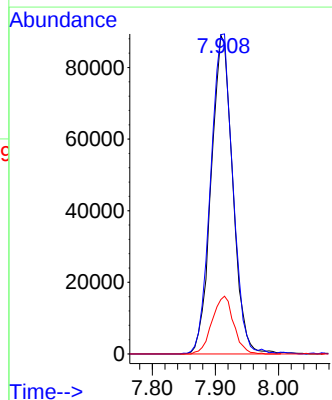
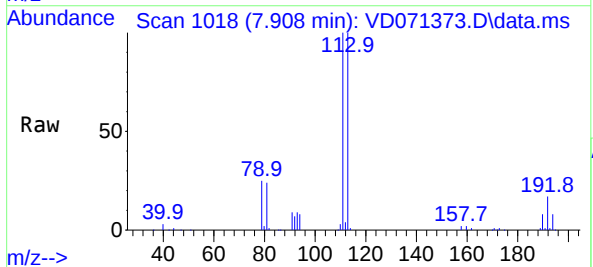


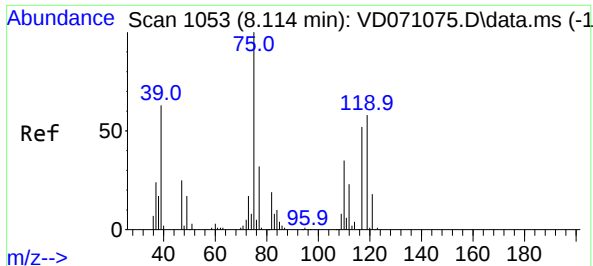
Tgt Ion:114 Resp: 668433
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 14.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.436 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion:113 Resp: 210424
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.934 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071373.D

Acq: 16 Dec 2021 18:01

Instrument :

MSVOA_D

ClientSampleId :

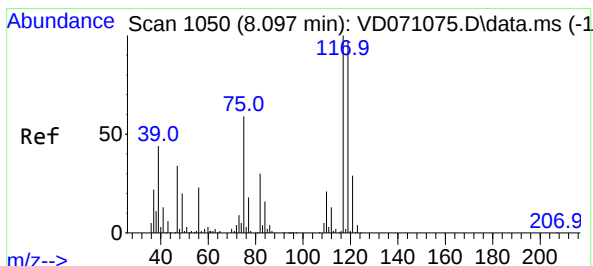
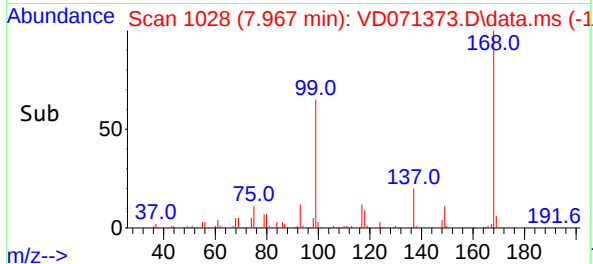
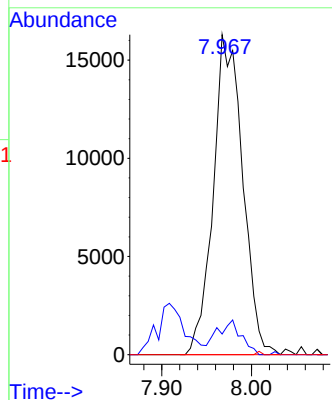
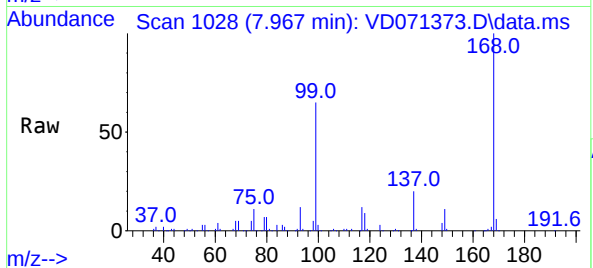
Tgt Ion: 75 Resp: 37073

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.687 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071373.D

Acq: 16 Dec 2021 18:01

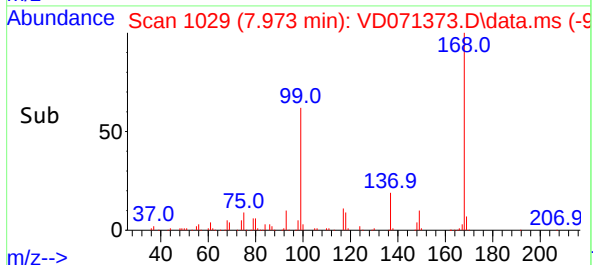
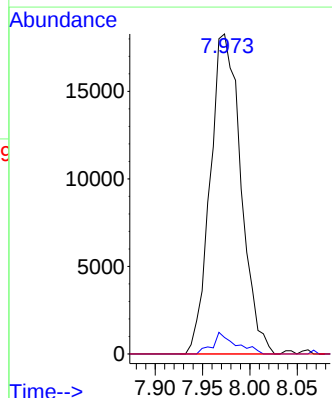
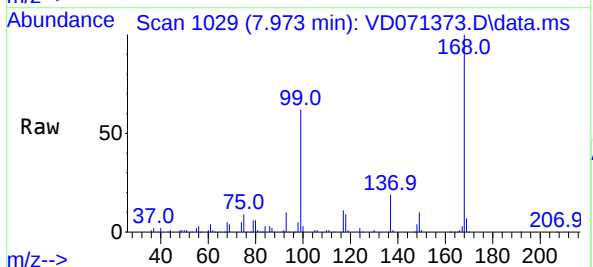
Tgt Ion: 117 Resp: 41181

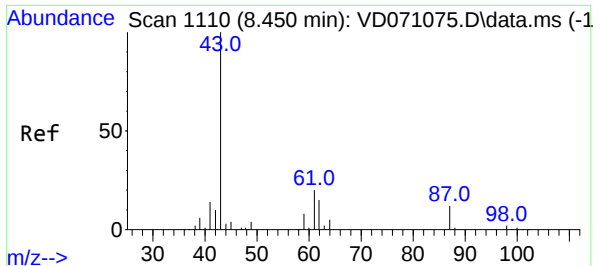
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

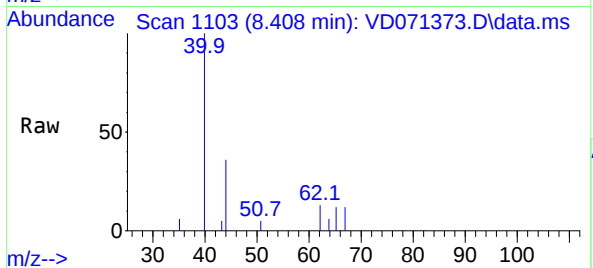
121 0.0 23.6 35.4#



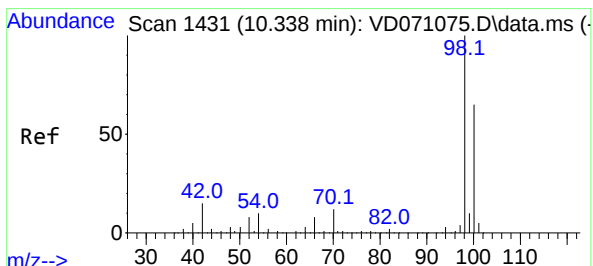
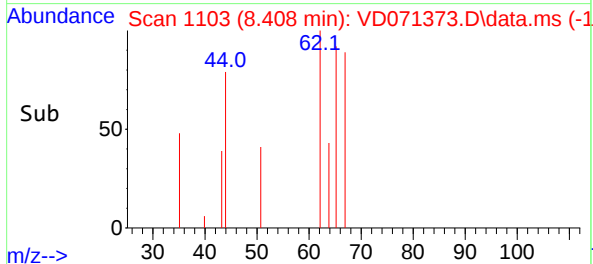
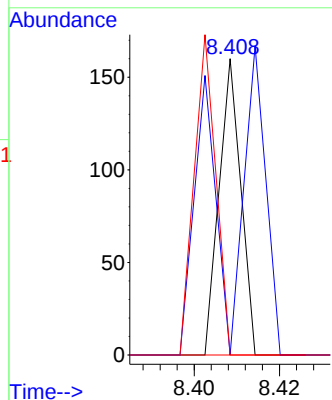


#43
Isopropyl Acetate
Concen: 5.231 ug/l
RT: 8.408 min Scan# 1110
Delta R.T. -0.042 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

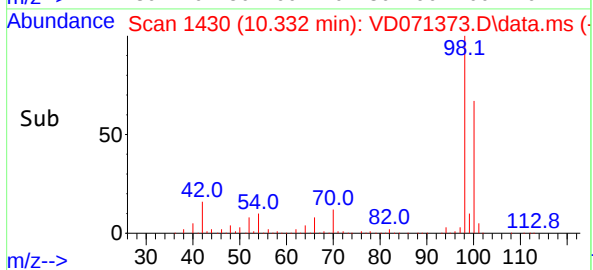
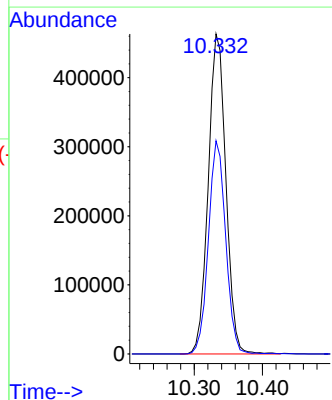
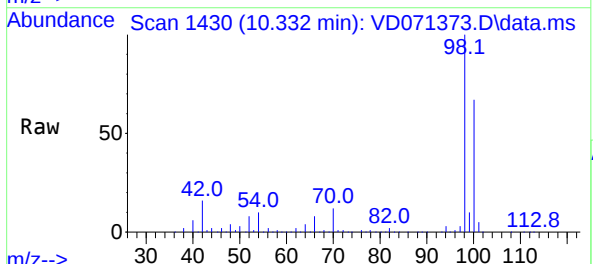


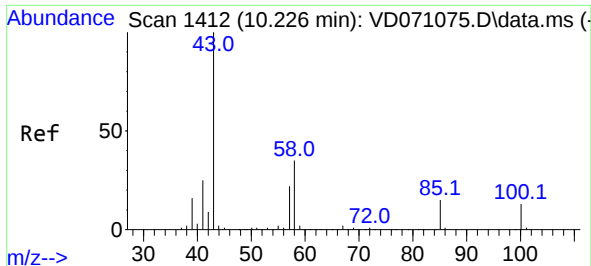
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 108.9 10.7 16.1#



#50
Toluene-d8
Concen: 51.499 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion: 98 Resp: 834189
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

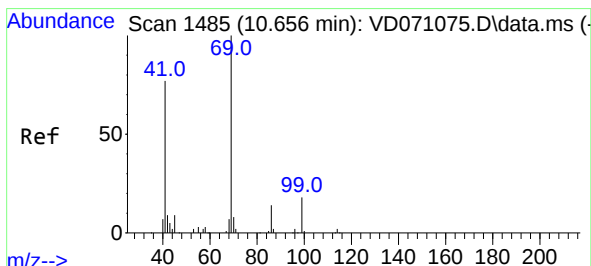
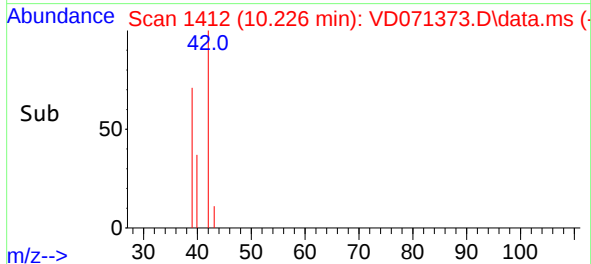
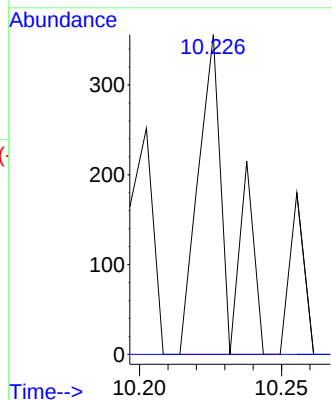
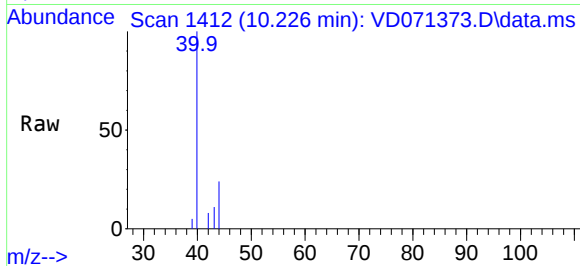




#51
4-Methyl-2-Pentanone
Concen: 30.729 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

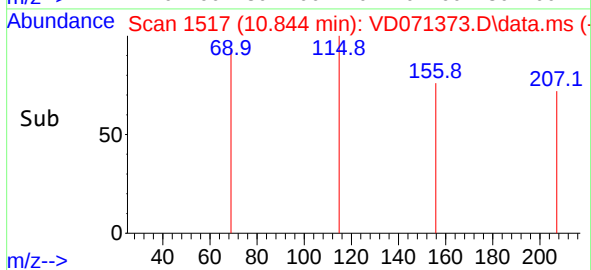
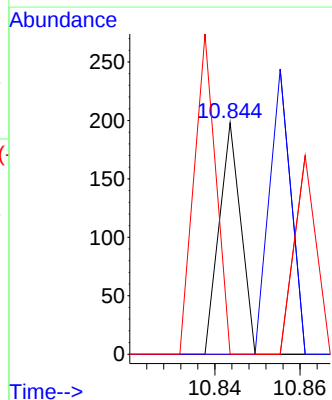
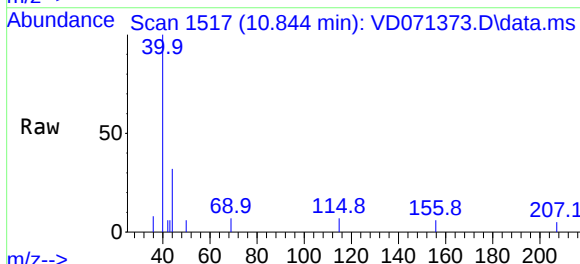
Instrument :
MSVOA_D
ClientSampleId :

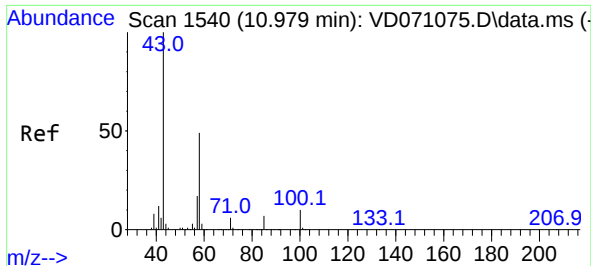
Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.984 ug/l
RT: 10.844 min Scan# 1517
Delta R.T. 0.188 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

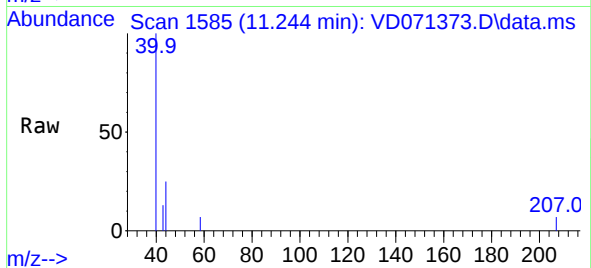
Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 138.6 19.8 29.8#



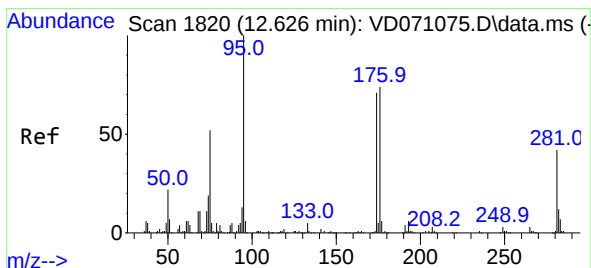
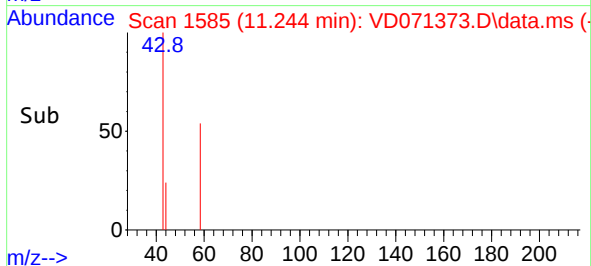
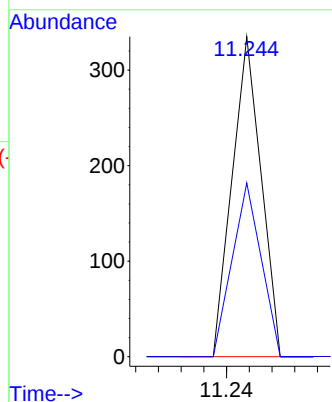


#59
2-Hexanone
Concen: 34.618 ug/l
RT: 11.244 min Scan# 1118
Delta R.T. 0.265 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

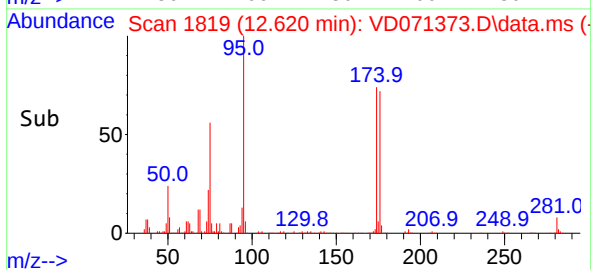
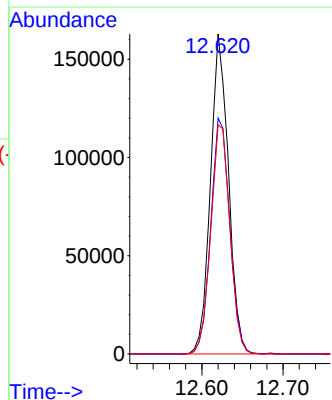
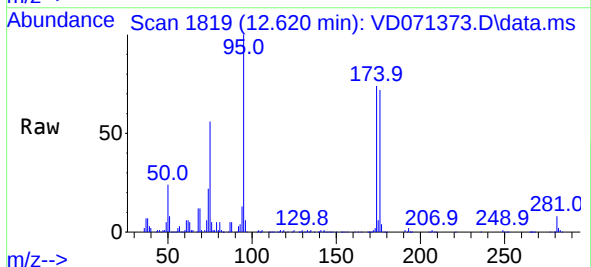


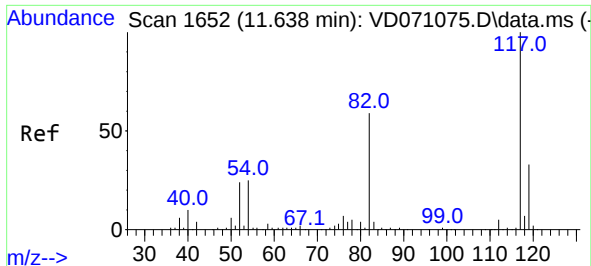
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 54.2 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 44.610 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion: 95 Resp: 250481
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.4
176 75.9 0.0 154.0

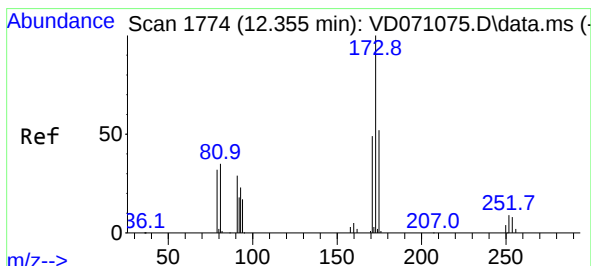
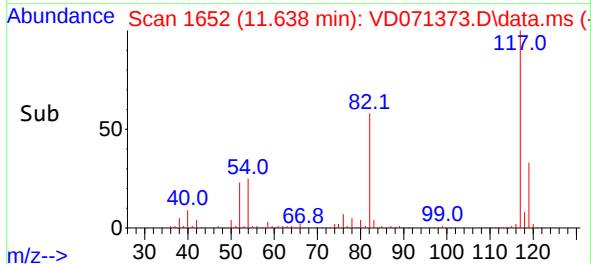
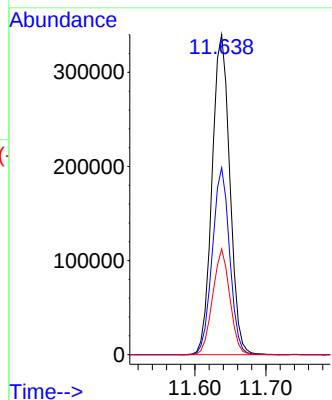
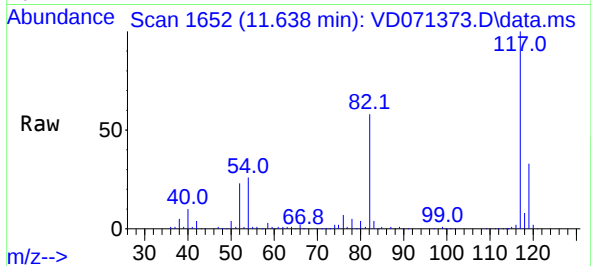




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

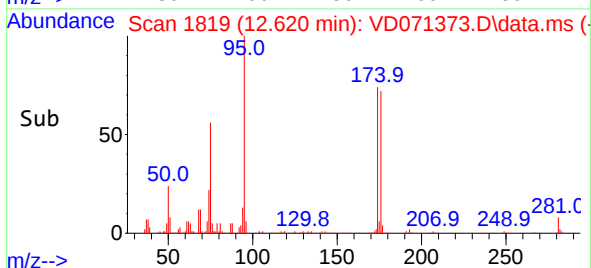
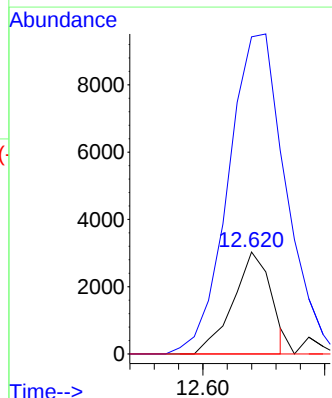
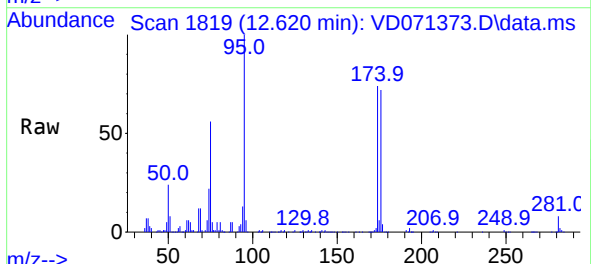
Instrument :
MSVOA_D
ClientSampleId :

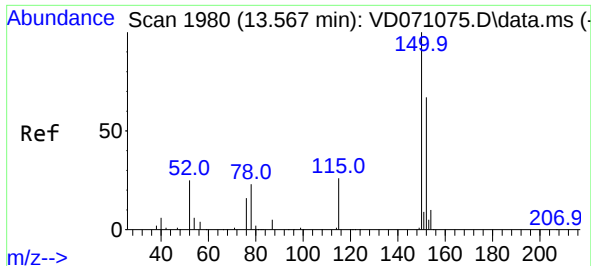
Tgt Ion:117 Resp: 588846
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 33.0 26.2 39.4



#71
Bromoform
Concen: 1.596 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion:173 Resp: 3299
Ion Ratio Lower Upper
173 100
175 413.3 24.1 72.2#
254 0.0 0.1 0.1#

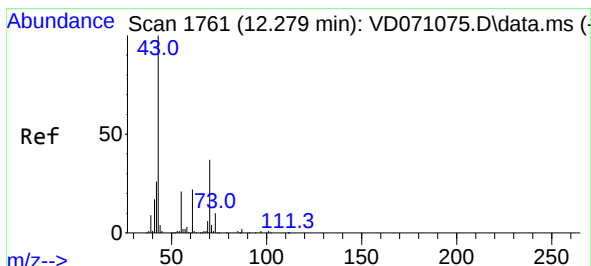
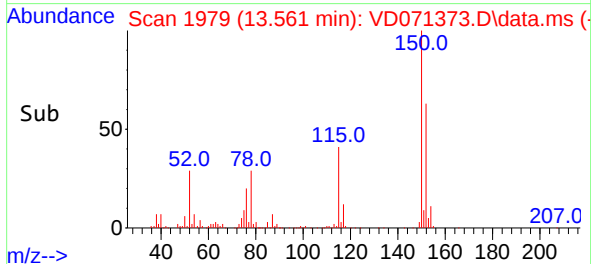
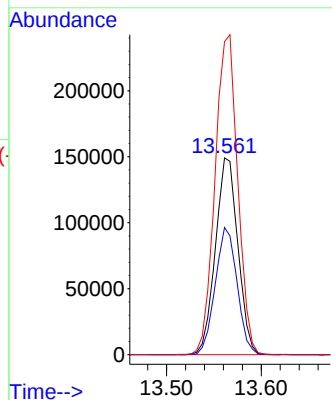
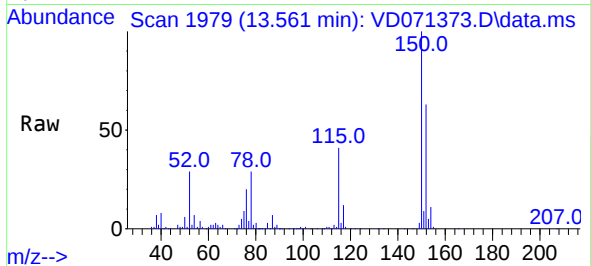




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

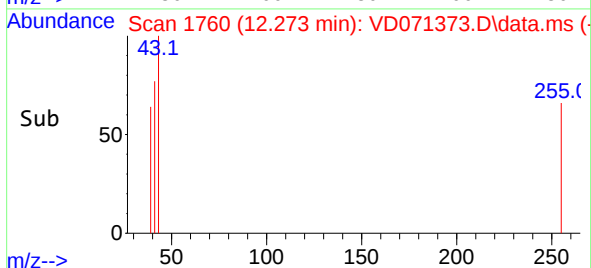
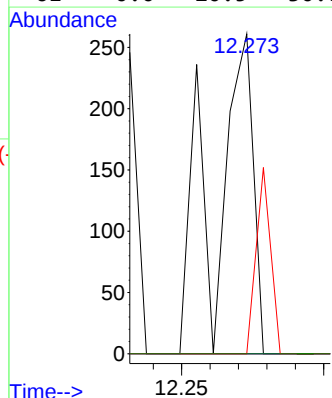
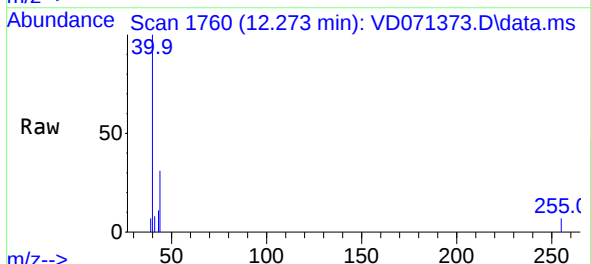
Instrument :
MSVOA_D
ClientSampleId :

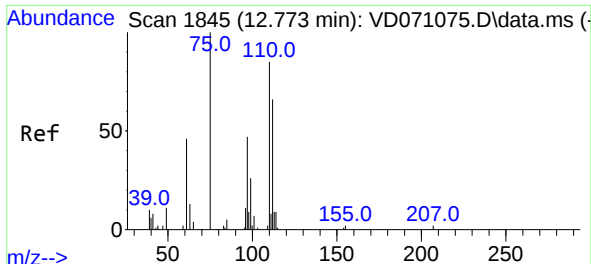
Tgt Ion:152 Resp: 246709
Ion Ratio Lower Upper
152 100
115 62.8 29.8 89.3
150 163.9 0.0 349.2



#74
N-ethyl acetate
Concen: 5.745 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 22.0 22.5 33.7#
61 0.0 20.5 30.7#

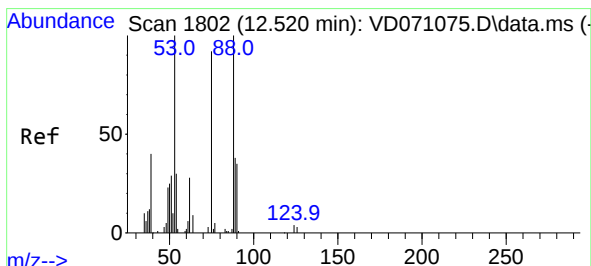
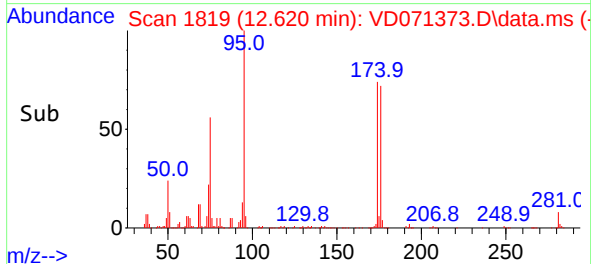
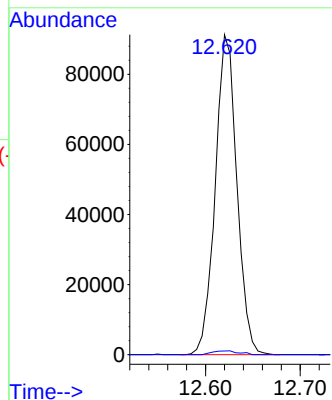
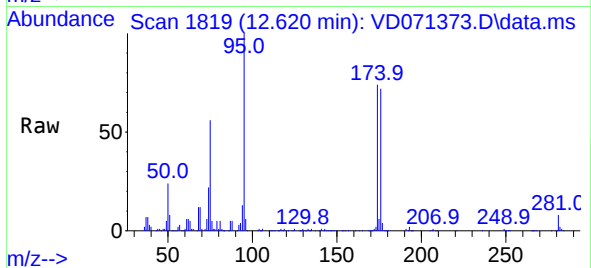




#76
1,2,3-Trichloropropane
Concen: 61.567 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 144716
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.147 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071373.D
Acq: 16 Dec 2021 18:01

Tgt Ion: 75 Resp: 144716
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

