

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071267.D
 Acq On : 11 Dec 2021 13:58
 Operator : VA/SY
 Sample : M5018-49
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:51:44 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)

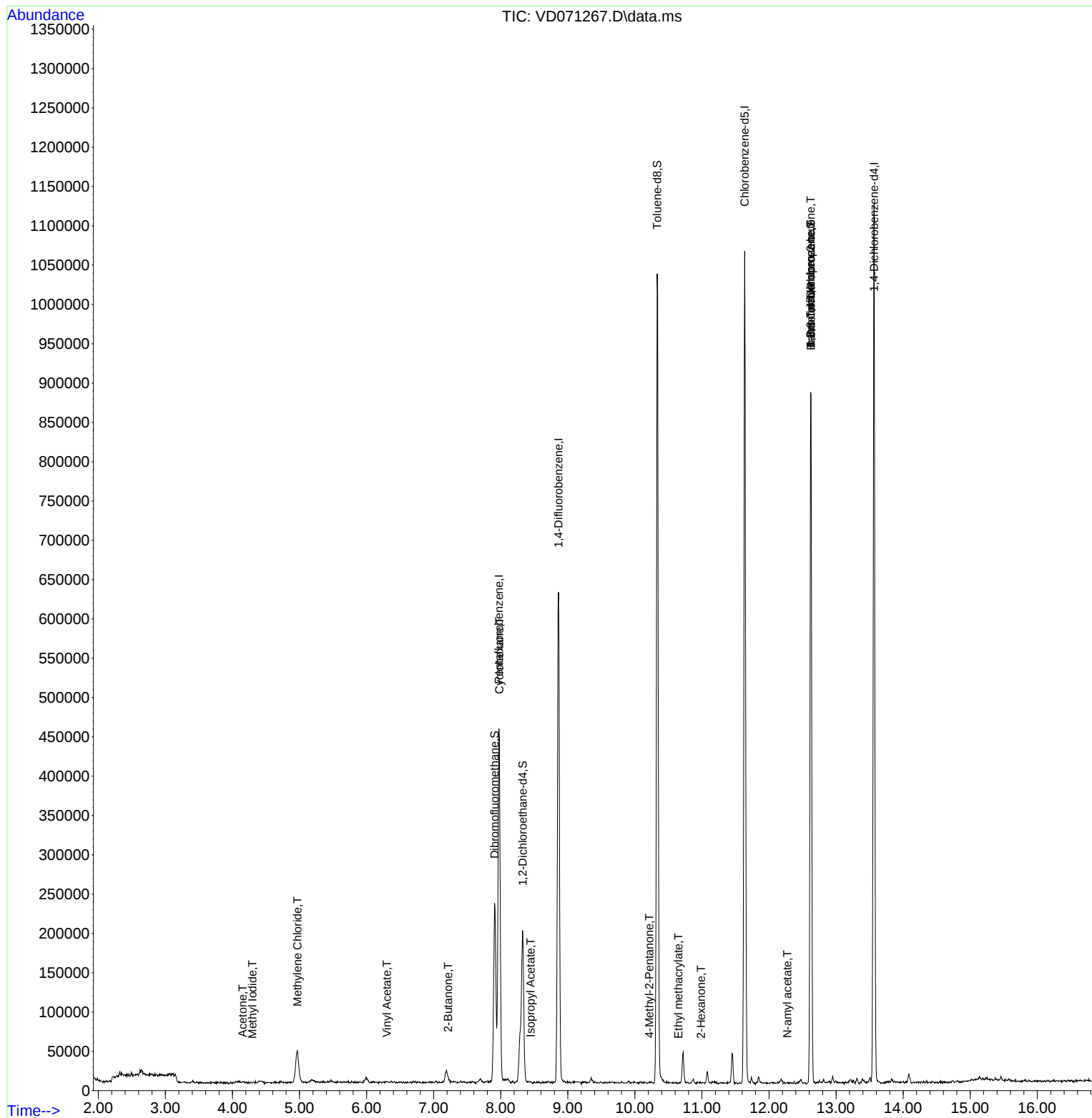
Internal Standards						
1) Pentafluorobenzene	7.973	168	310044	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	516751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	556104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	265873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144719	39.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.560%
35) Dibromofluoromethane	7.909	113	158429	48.146	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.300%
50) Toluene-d8	10.332	98	666692	53.240	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.480%
62) 4-Bromofluorobenzene	12.620	95	267028	61.516	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.040%
Target Compounds			Qvalue			
10) Methyl Iodide	4.297	142	91	4.583	ug/l #	40
11) Tert butyl alcohol	5.232	59	296	Below Cal	#	80
16) Acetone	4.150	43	2958	33.481	ug/l #	64
20) Methylene Chloride	4.967	84	28232	3.834	ug/l #	89
23) Vinyl Acetate	6.303	43	560	27.303	ug/l #	72
25) 2-Butanone	7.214	43	642	28.869	ug/l #	45
31) Cyclohexane	7.979	56	9818	1.587	ug/l #	27
41) Methacrylonitrile	7.479	41	61	Below Cal	#	39
43) Isopropyl Acetate	8.444	43	78	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	1062	31.048	ug/l #	85
56) Ethyl methacrylate	10.650	69	60	5.986	ug/l #	1
59) 2-Hexanone	10.985	43	375	34.756	ug/l #	44
71) Bromoform	12.626	173	2958	1.516	ug/l #	1
74) N-amyl acetate	12.273	43	421	5.772	ug/l #	65
76) 1,2,3-Trichloropropane	12.620	75	151152	59.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	151152	129.222	ug/l #	18

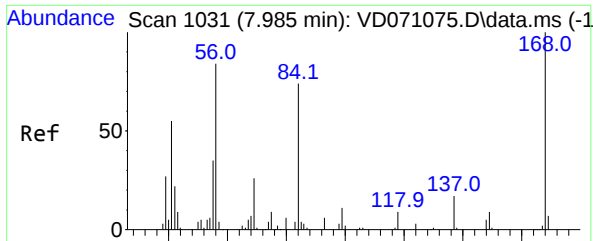
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071267.D
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Instrument :
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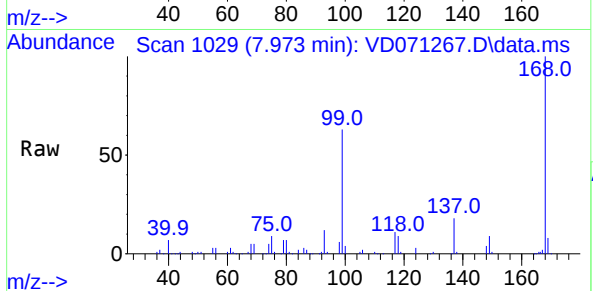
Quant Time: Dec 12 17:51:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



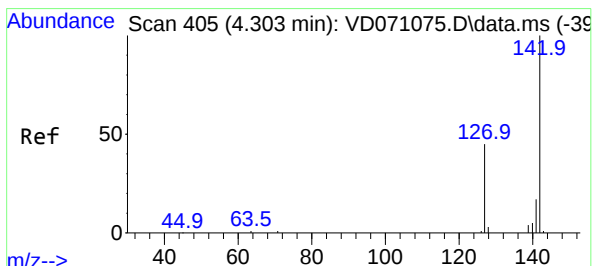
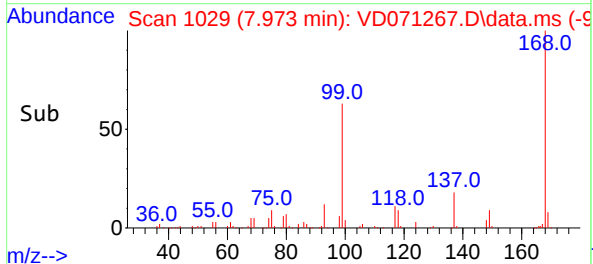
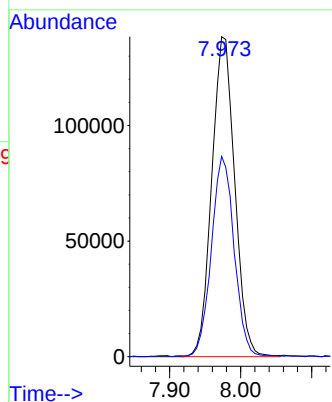


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

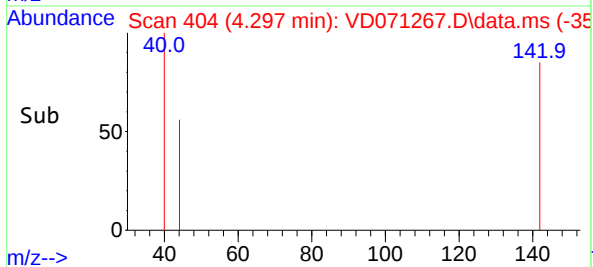
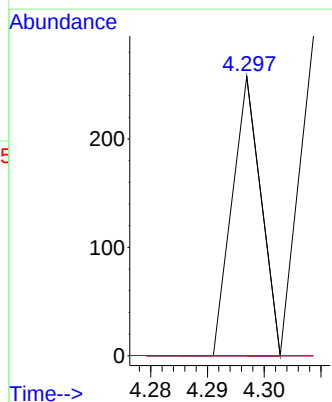
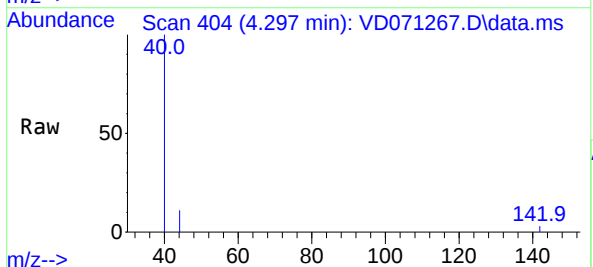


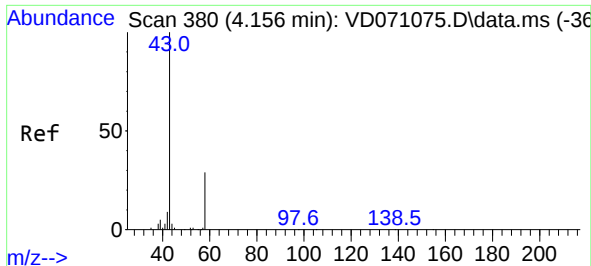
Tgt Ion:168 Resp: 310044
Ion Ratio Lower Upper
168 100
99 62.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.583 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Tgt Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

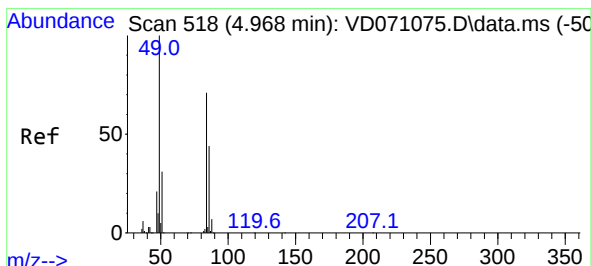
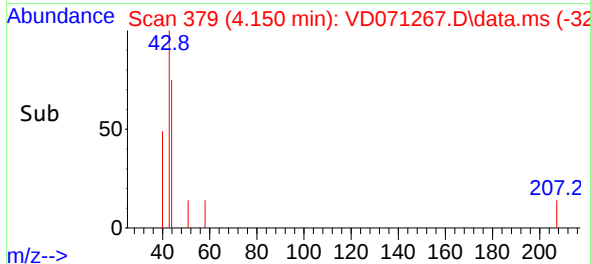
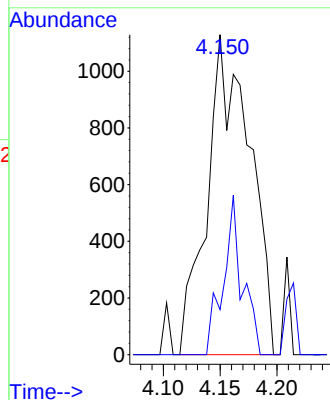
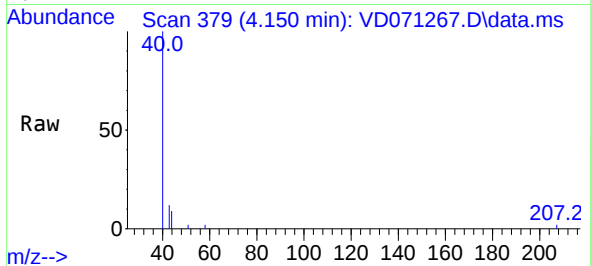




#16
Acetone
Concen: 33.481 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

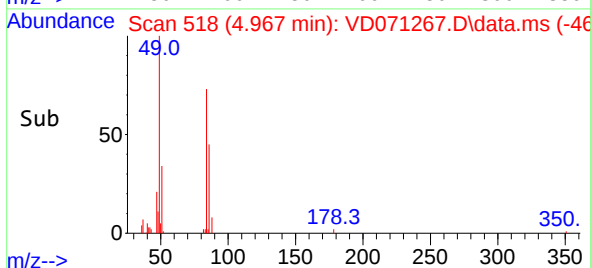
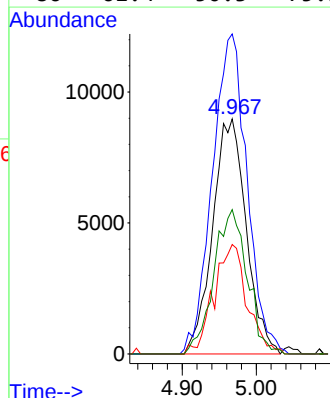
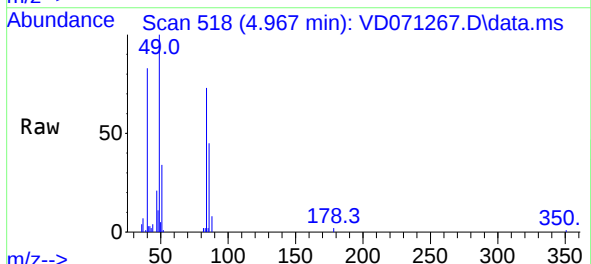
Instrument :
MSVOA_D
ClientSampleId :

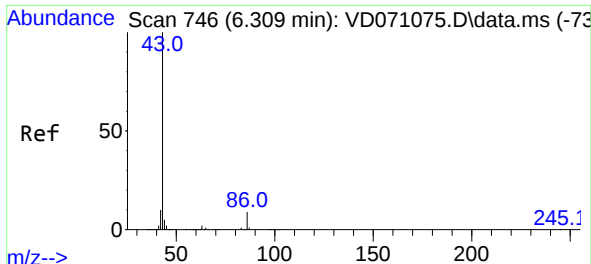
Tgt Ion: 43 Resp: 2958
Ion Ratio Lower Upper
43 100
58 14.1 27.8 41.8#



#20
Methylene Chloride
Concen: 3.834 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Tgt Ion: 84 Resp: 28232
Ion Ratio Lower Upper
84 100
49 136.2 95.8 143.6
51 46.6 30.9 46.3#
86 61.4 50.3 75.5

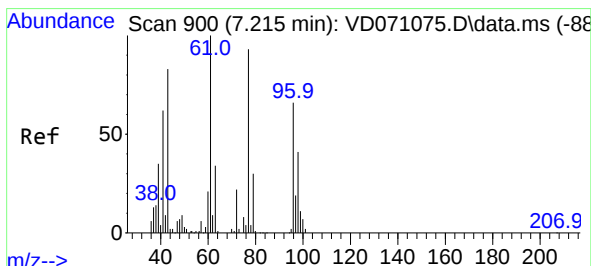
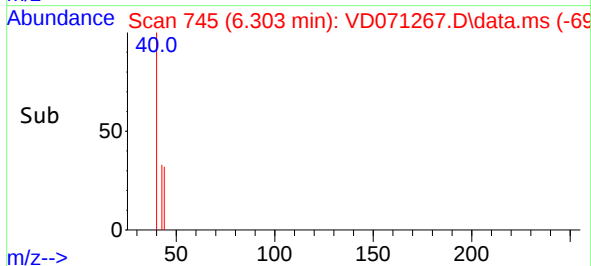
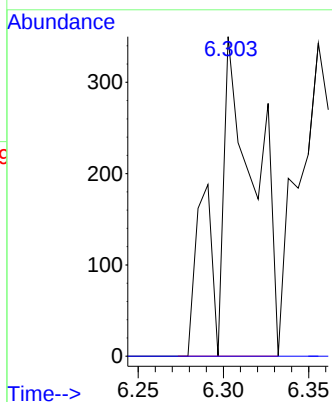
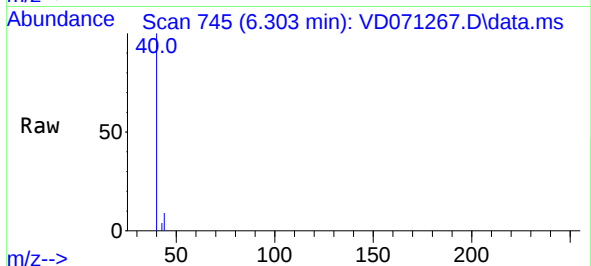




#23
 Vinyl Acetate
 Concen: 27.303 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071267.D
 Acq: 11 Dec 2021 13:58

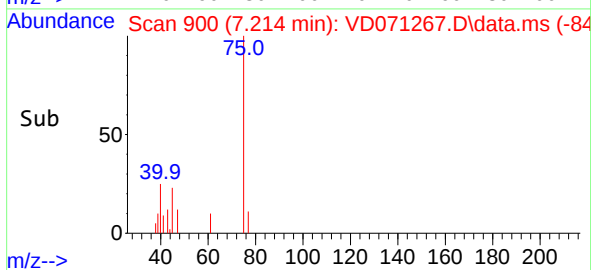
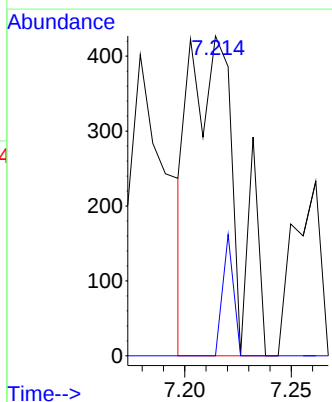
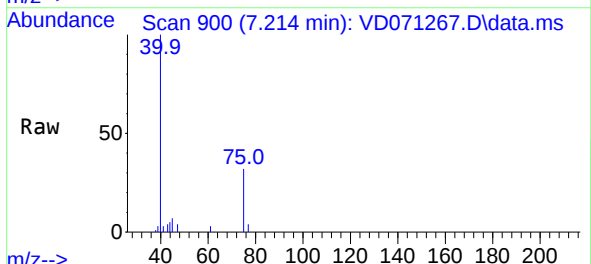
Instrument :
 MSVOA_D
 ClientSampleId :

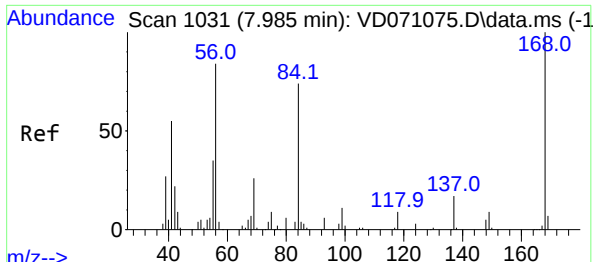
Tgt Ion: 43 Resp: 560
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.869 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071267.D
 Acq: 11 Dec 2021 13:58

Tgt Ion: 43 Resp: 642
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.587 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

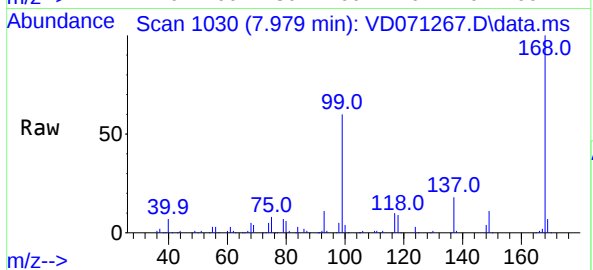
Lab File: VD071267.D

Acq: 11 Dec 2021 13:58

Instrument :

MSVOA_D

ClientSampleId :



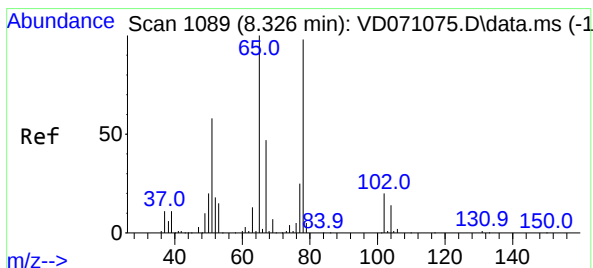
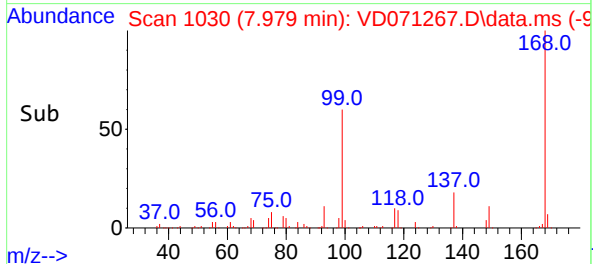
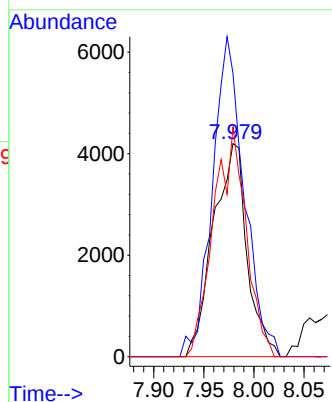
Tgt Ion: 56 Resp: 9818

Ion Ratio Lower Upper

56 100

69 132.9 25.9 38.9#

84 107.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 39.780 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071267.D

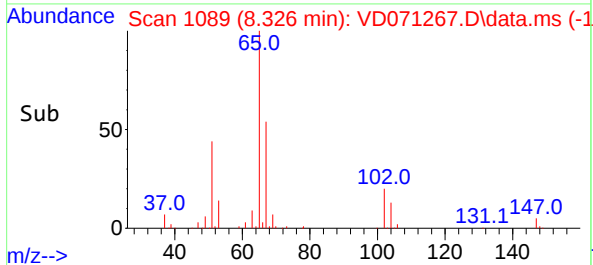
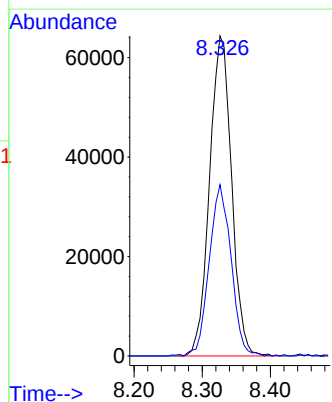
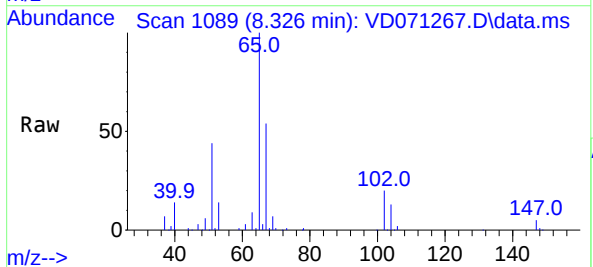
Acq: 11 Dec 2021 13:58

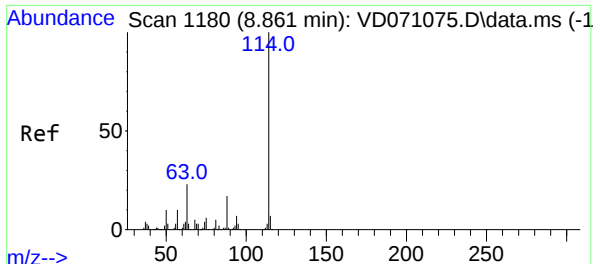
Tgt Ion: 65 Resp: 144719

Ion Ratio Lower Upper

65 100

67 53.3 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: VD071267.D

Acq: 11 Dec 2021 13:58

Instrument :

MSVOA_D

ClientSampleId :

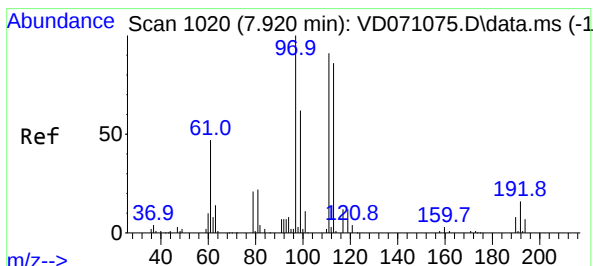
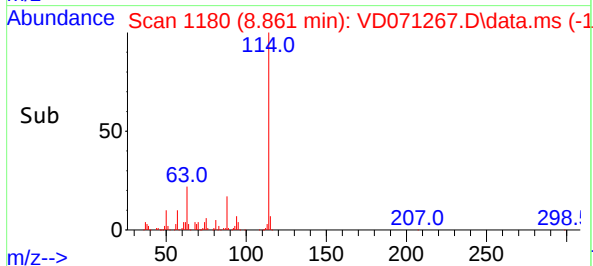
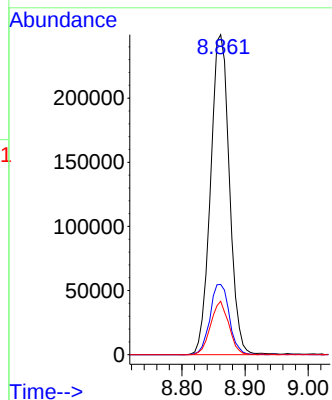
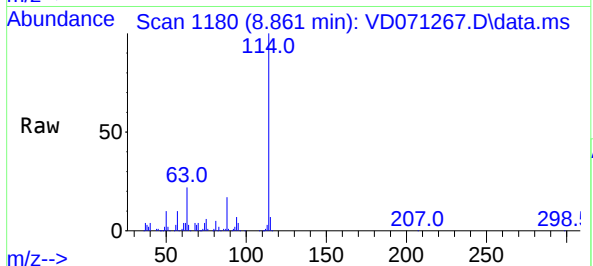
Tgt Ion:114 Resp: 516751

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.146 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071267.D

Acq: 11 Dec 2021 13:58

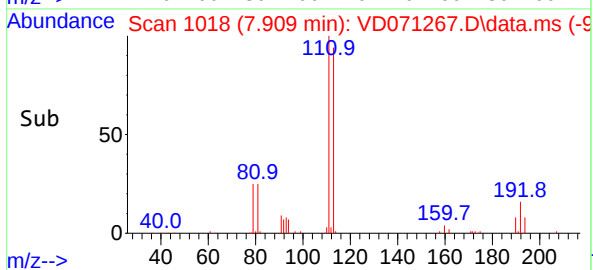
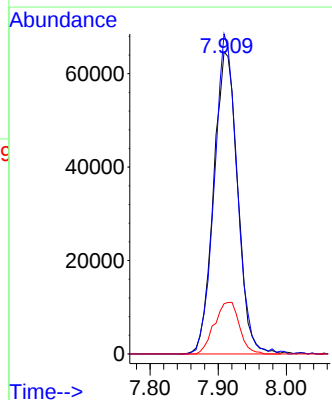
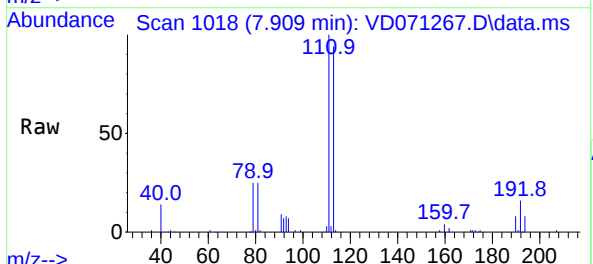
Tgt Ion:113 Resp: 158429

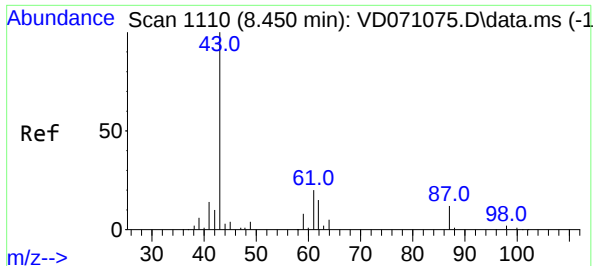
Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

192 17.8 15.2 22.8

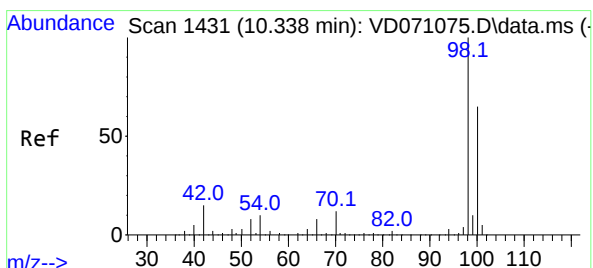
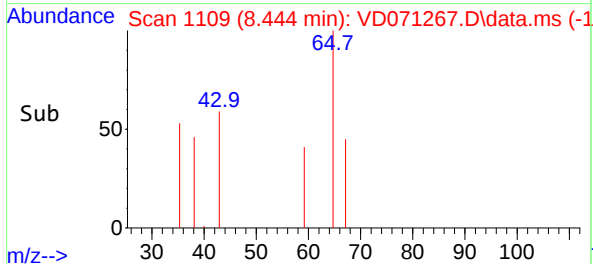
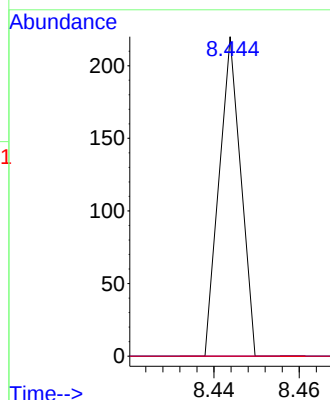
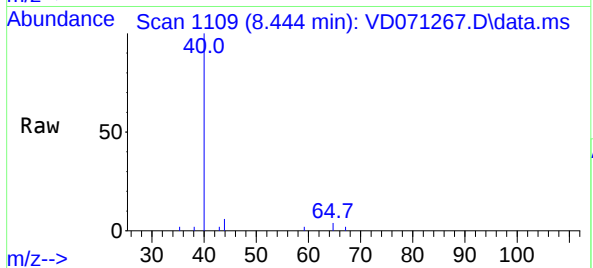




#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

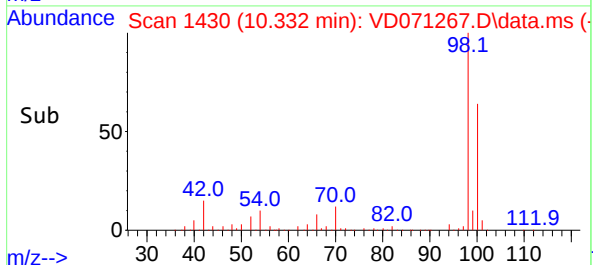
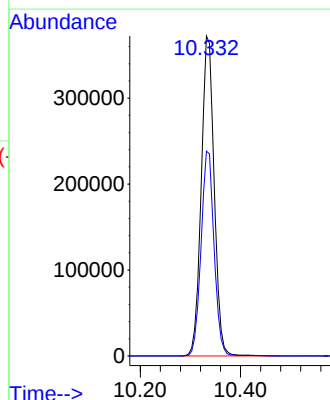
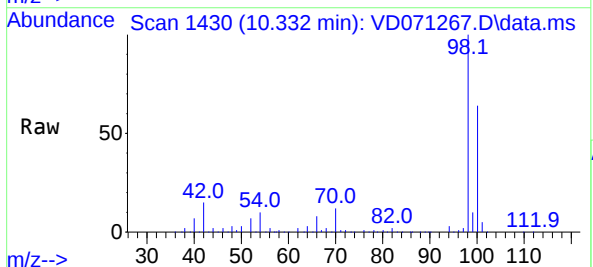
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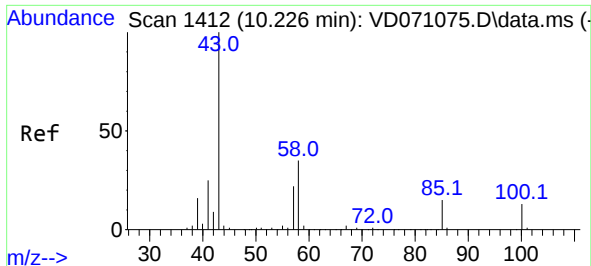
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.240 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Tgt Ion: 98 Resp: 666692
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

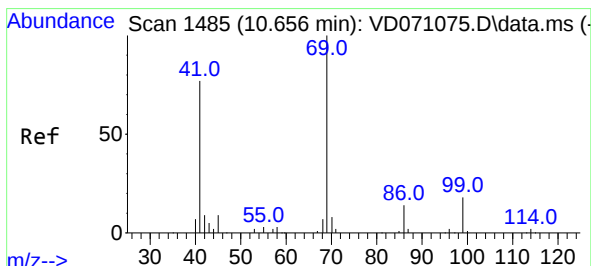
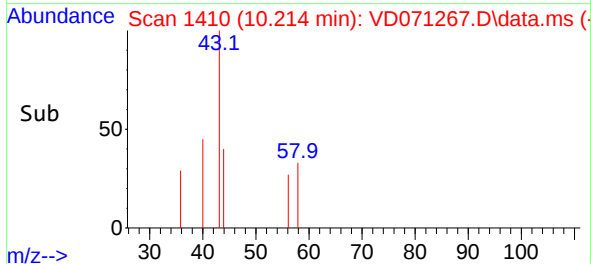
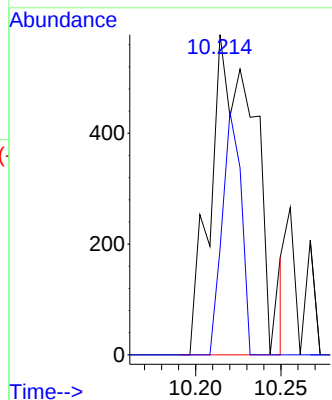
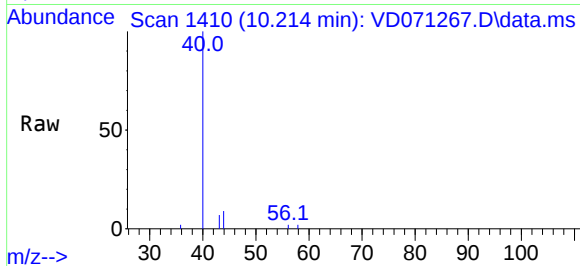




#51
4-Methyl-2-Pentanone
Concen: 31.048 ug/l
RT: 10.214 min Scan# 1412
Delta R.T. -0.012 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

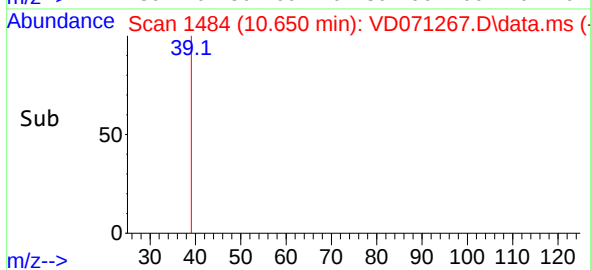
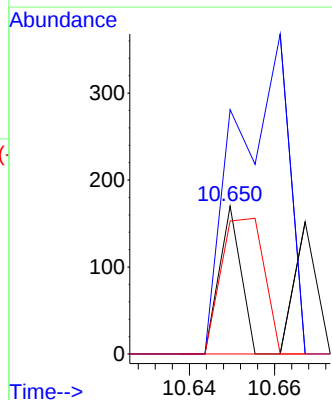
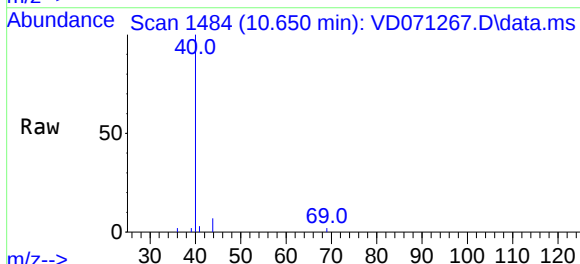
Instrument :
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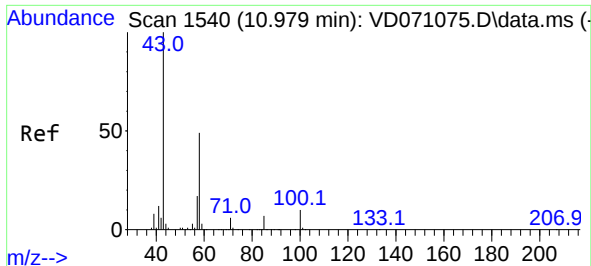
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
58 32.1 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.986 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

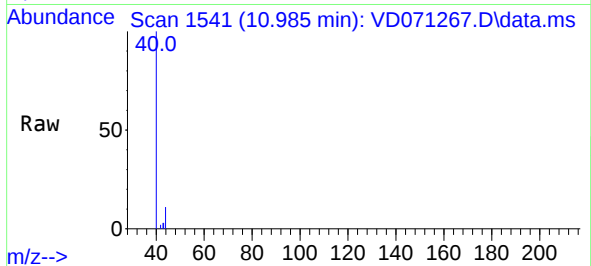
Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 181.7 19.8 29.8#



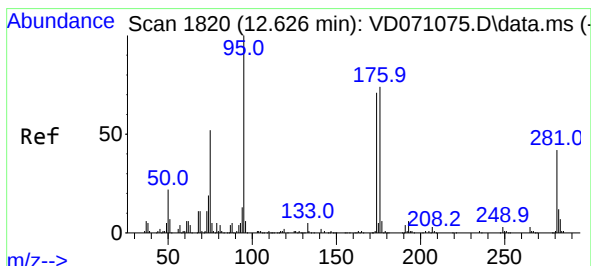
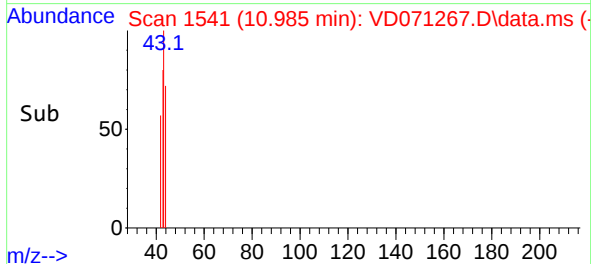
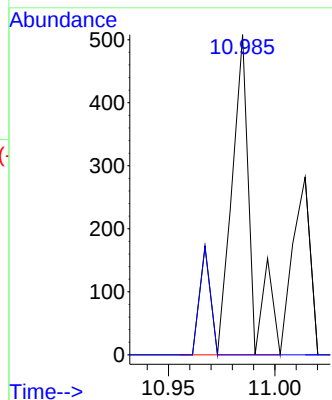


#59
2-Hexanone
Concen: 34.756 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

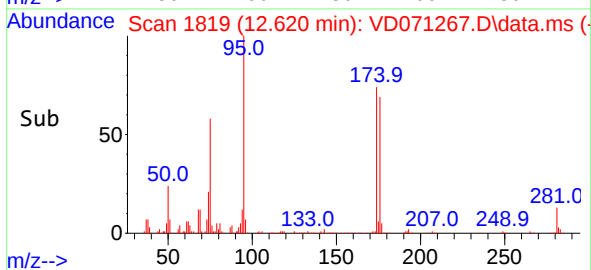
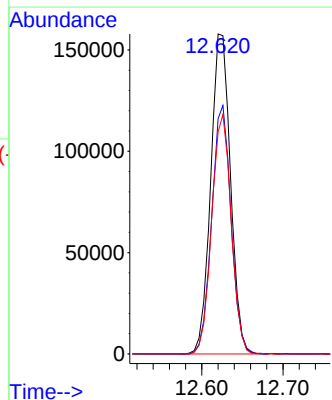
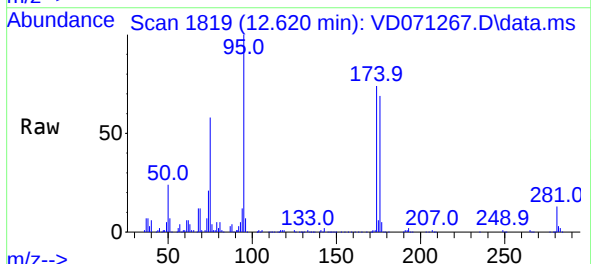


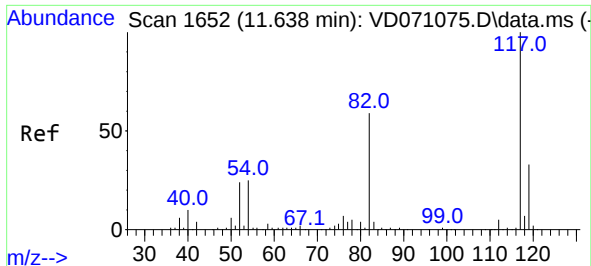
Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 16.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 61.516 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Tgt Ion: 95 Resp: 267028
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.4
176 73.4 0.0 154.0

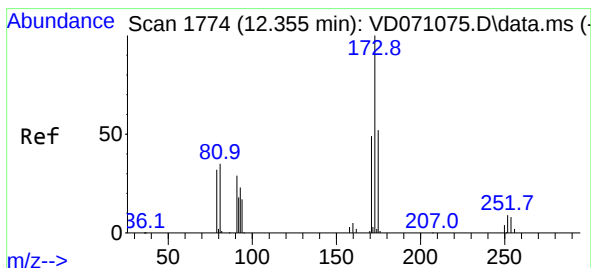
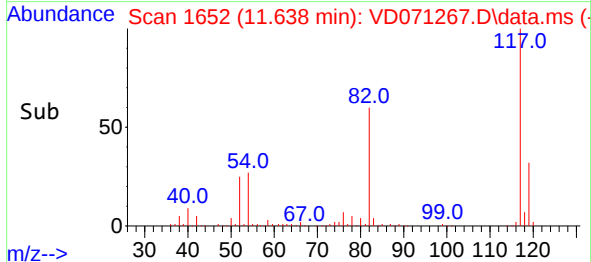
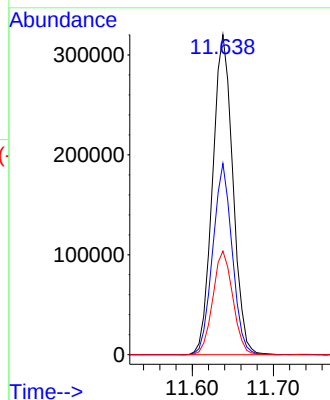
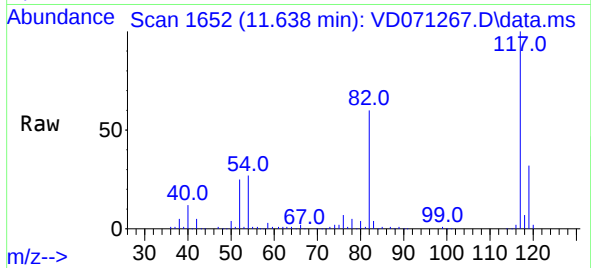




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

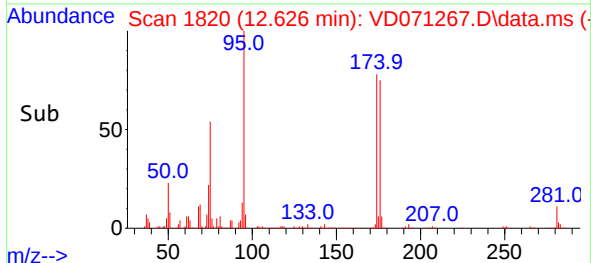
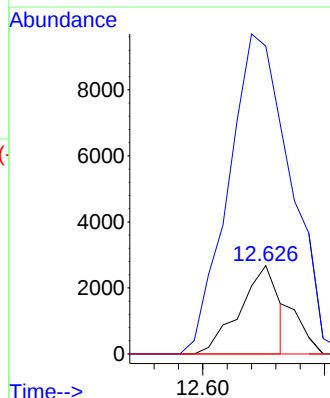
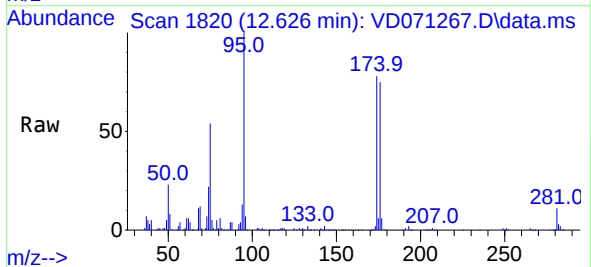
Instrument :
MSVOA_D
ClientSampleId :

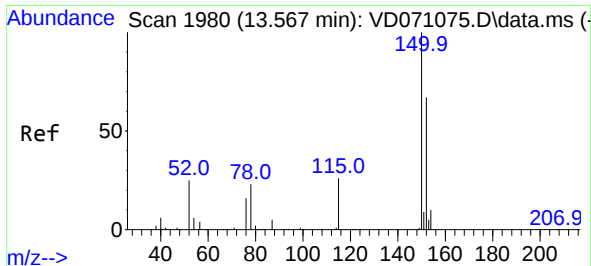
Tgt Ion:117 Resp: 556104
Ion Ratio Lower Upper
117 100
82 59.7 44.7 67.1
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.516 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

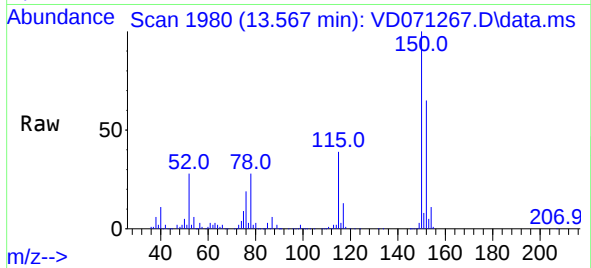
Tgt Ion:173 Resp: 2958
Ion Ratio Lower Upper
173 100
175 474.5 24.1 72.2#
254 0.0 0.1 0.1#



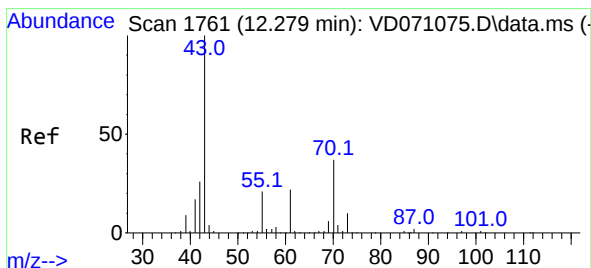
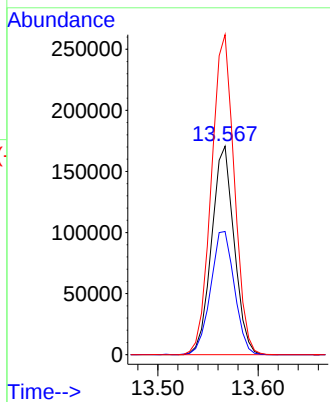
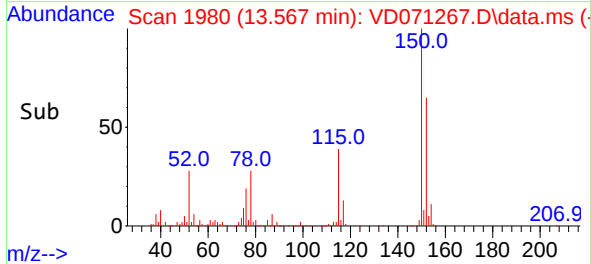


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

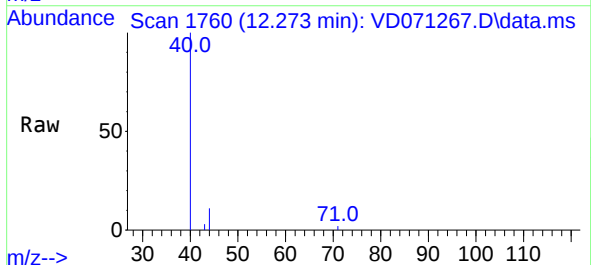
Instrument :
MSVOA_D
ClientSampleId :



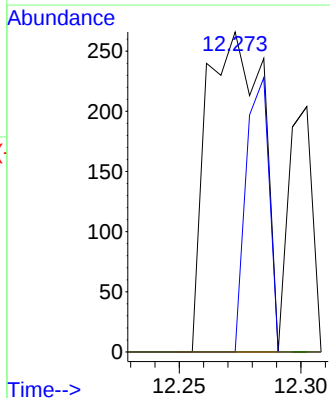
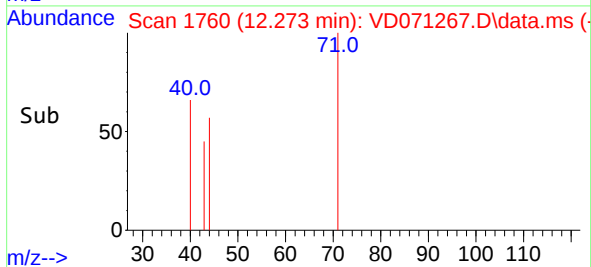
Tgt Ion:152 Resp: 265873
Ion Ratio Lower Upper
152 100
115 62.5 29.8 89.3
150 156.0 0.0 349.2

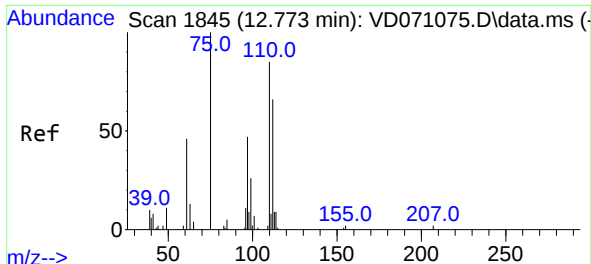


#74
N-ethyl acetate
Concen: 5.772 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58



Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
70 35.6 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

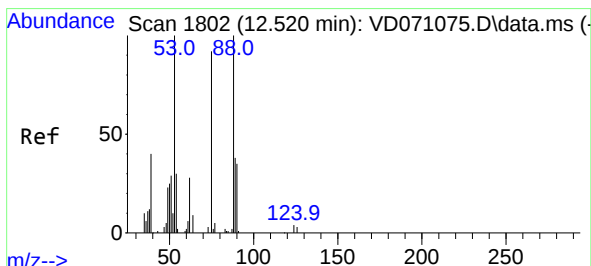
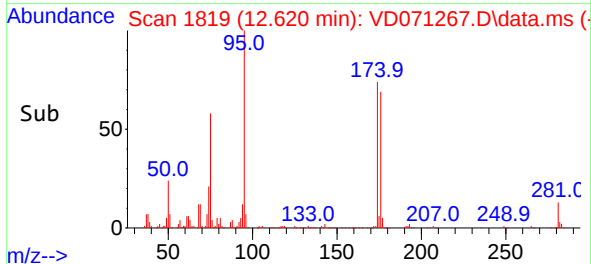
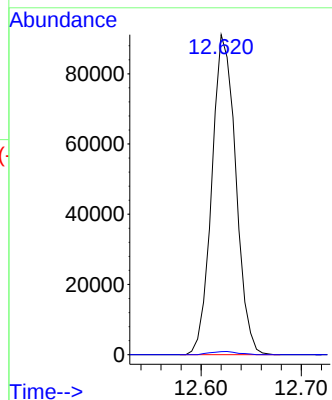
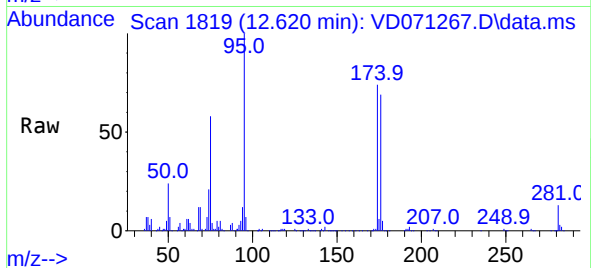




#76
1,2,3-Trichloropropane
Concen: 59.670 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 151152
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.222 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071267.D
Acq: 11 Dec 2021 13:58

Tgt Ion: 75 Resp: 151152
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#

