

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071328.D
 Acq On : 14 Dec 2021 18:45
 Operator : VA/SY
 Sample : M5086-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:33:03 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)

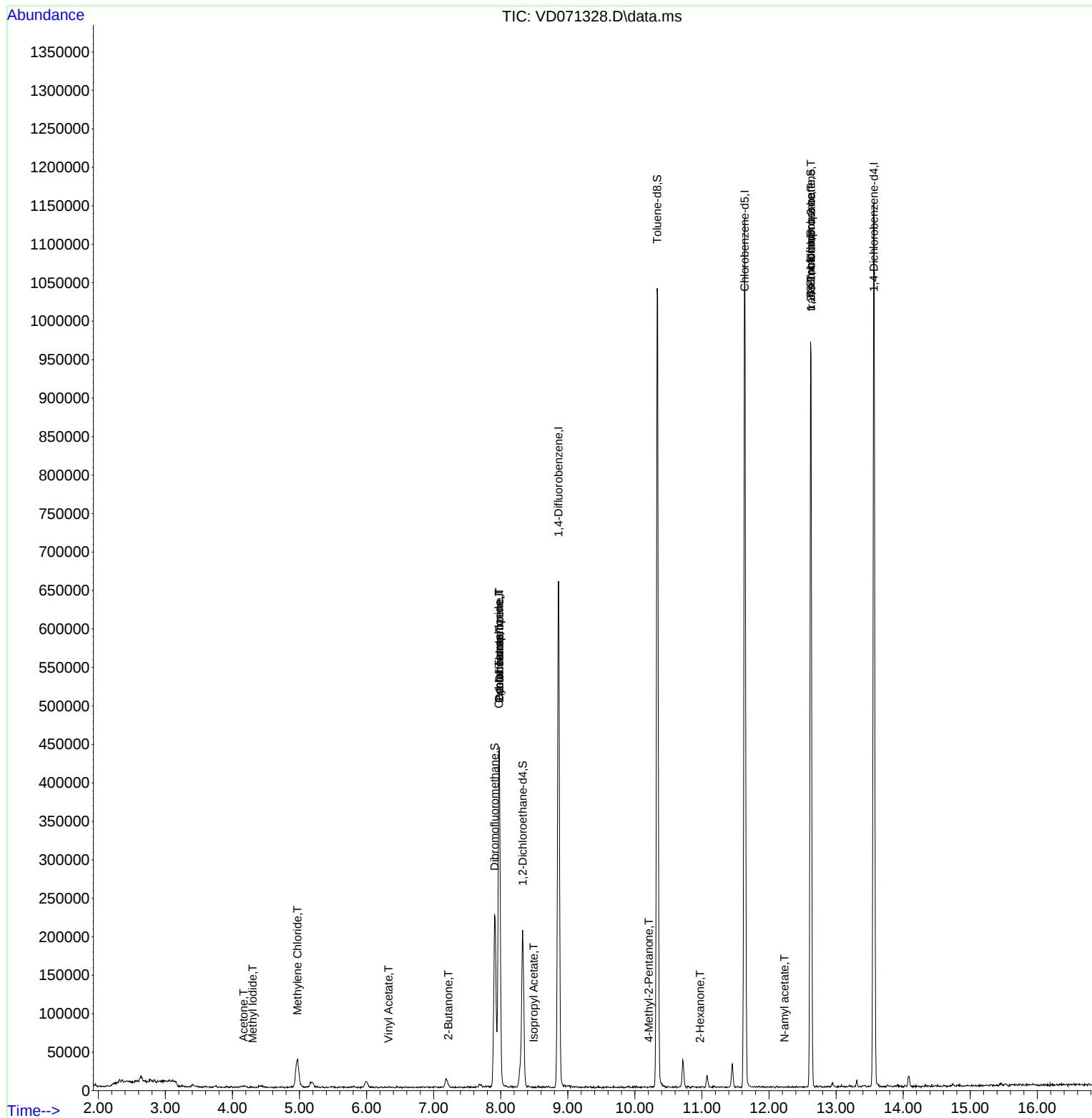
Internal Standards						
1) Pentafluorobenzene	7.979	168	305126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	585402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157068	43.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.740%
35) Dibromofluoromethane	7.908	113	154826	46.258	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.332	98	680172	53.401	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.800%
62) 4-Bromofluorobenzene	12.620	95	282796	64.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.100%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	62	4.576	ug/l #	31
11) Tert butyl alcohol	5.179	59	6362	Below Cal	#	73
16) Acetone	4.168	43	2953	33.520	ug/l #	70
20) Methylene Chloride	4.967	84	27059	3.615	ug/l	93
23) Vinyl Acetate	6.326	43	55	27.227	ug/l #	72
25) 2-Butanone	7.220	43	174	28.500	ug/l #	45
31) Cyclohexane	7.979	56	8285	1.360	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	28967	5.897	ug/l #	43
38) Carbon Tetrachloride	7.973	117	33436	6.905	ug/l #	19
41) Methacrylonitrile	7.544	41	56	Below Cal	#	1
43) Isopropyl Acetate	8.491	43	72	5.237	ug/l #	47
51) 4-Methyl-2-Pentanone	10.208	43	148	30.706	ug/l #	34
59) 2-Hexanone	10.973	43	62	34.604	ug/l #	22
71) Bromoform	12.620	173	2476	1.205	ug/l #	1
74) N-amyl acetate	12.232	43	66	5.711	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	161029	59.337	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	161029	128.533	ug/l #	18

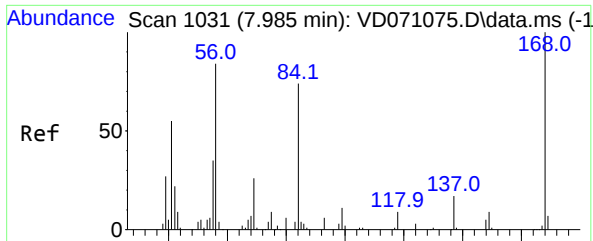
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 08:33:03 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

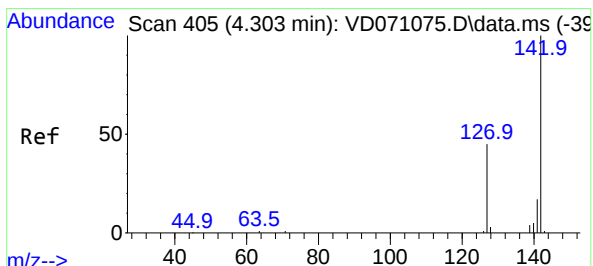
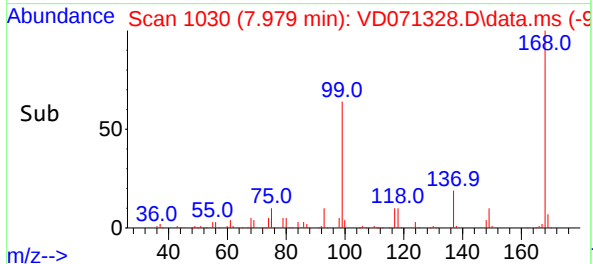
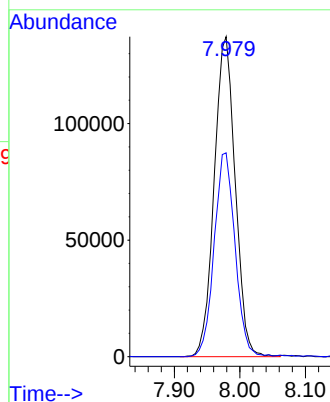
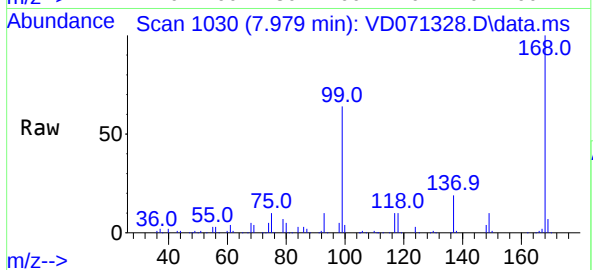




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

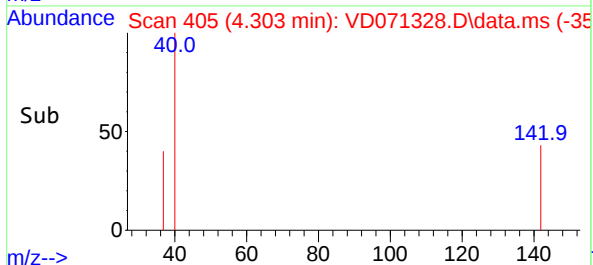
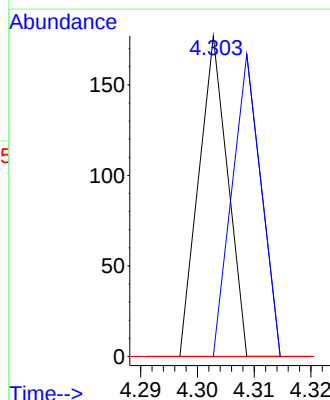
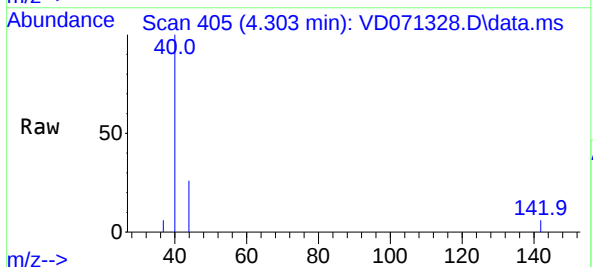
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 305126
Ion Ratio Lower Upper
168 100
99 63.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 95.2 35.0 52.4#
141 0.0 12.0 18.0#

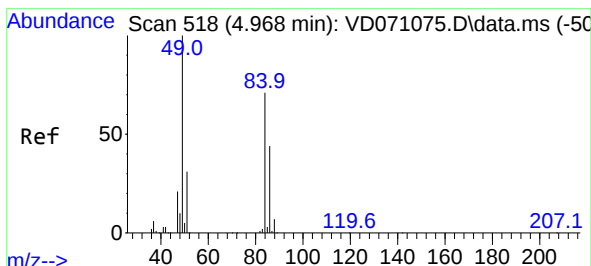
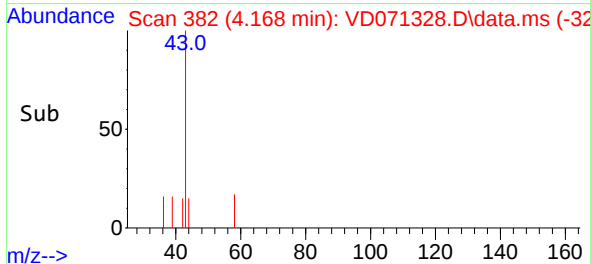
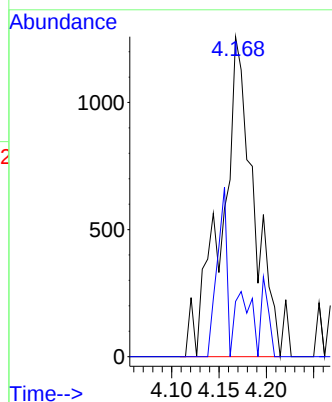
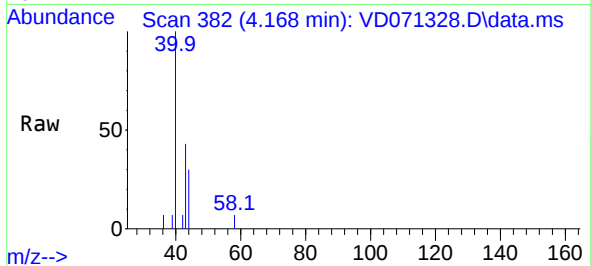




#16
Acetone
Concen: 33.520 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

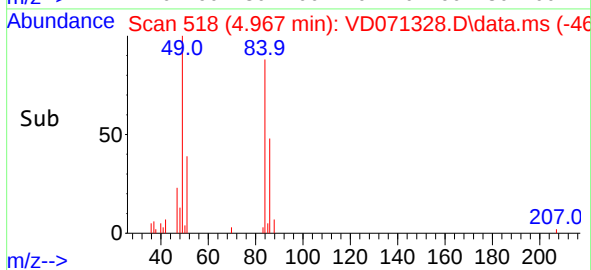
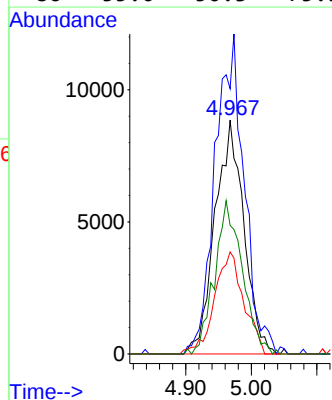
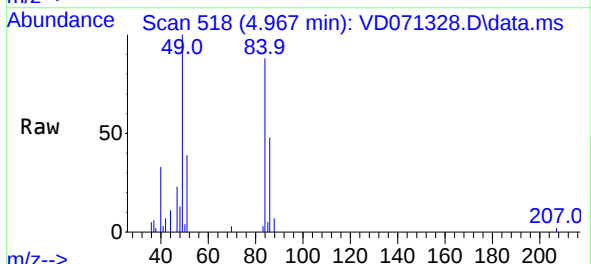
Instrument :
MSVOA_D
ClientSampleId :

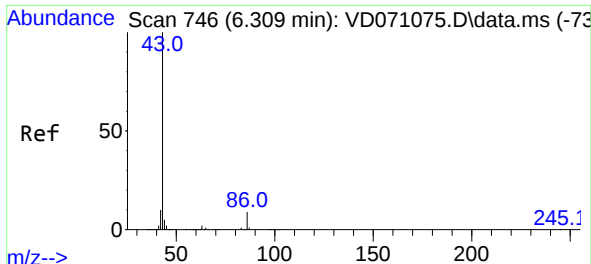
Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
58 17.2 27.8 41.8#



#20
Methylene Chloride
Concen: 3.615 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 84 Resp: 27059
Ion Ratio Lower Upper
84 100
49 113.5 95.8 143.6
51 43.7 30.9 46.3
86 55.0 50.3 75.5

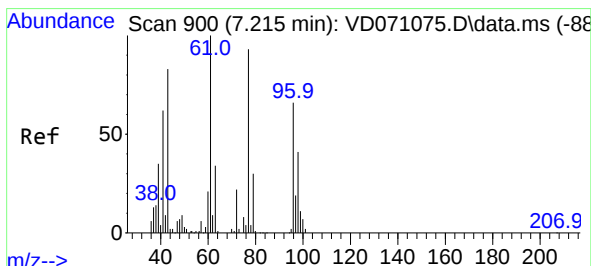
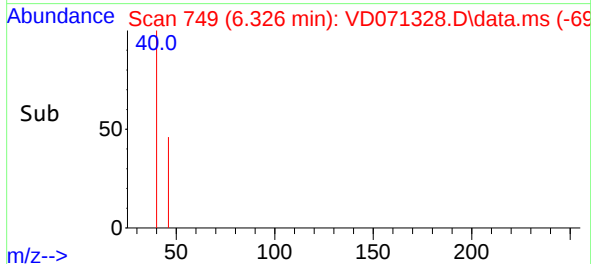
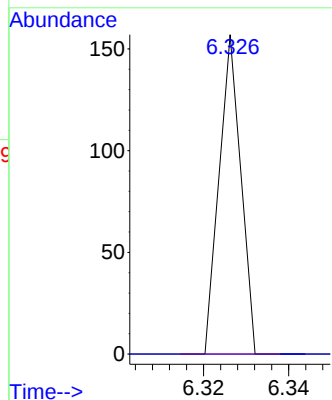
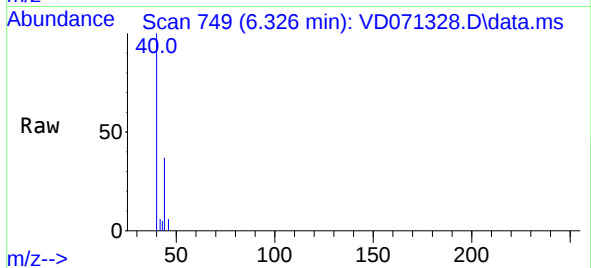




#23
 Vinyl Acetate
 Concen: 27.227 ug/l
 RT: 6.326 min Scan# 746
 Delta R.T. 0.017 min
 Lab File: VD071328.D
 Acq: 14 Dec 2021 18:45

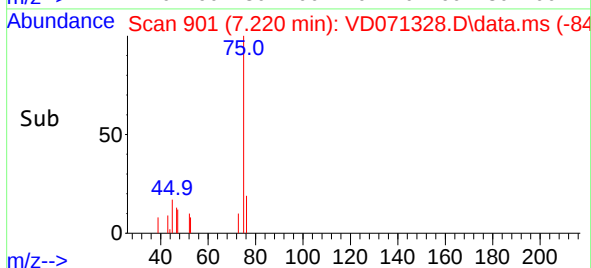
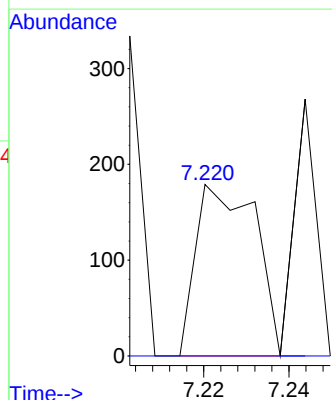
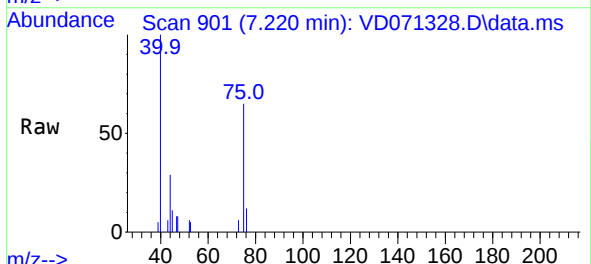
Instrument :
 MSVOA_D
 ClientSampleId :

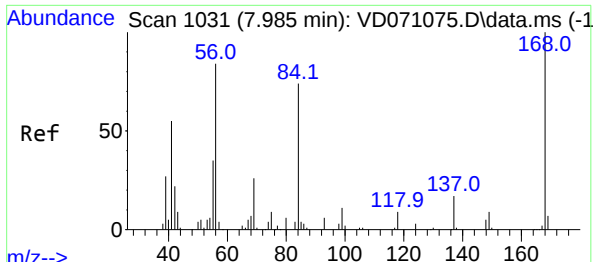
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.500 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071328.D
 Acq: 14 Dec 2021 18:45

Tgt Ion: 43 Resp: 174
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

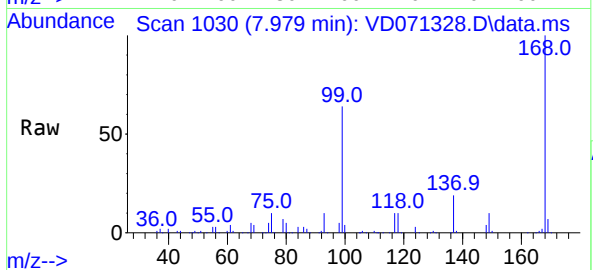
Lab File: VD071328.D

Acq: 14 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :



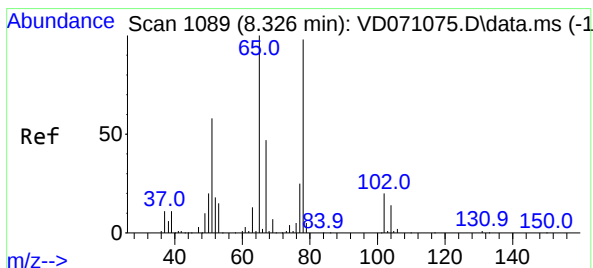
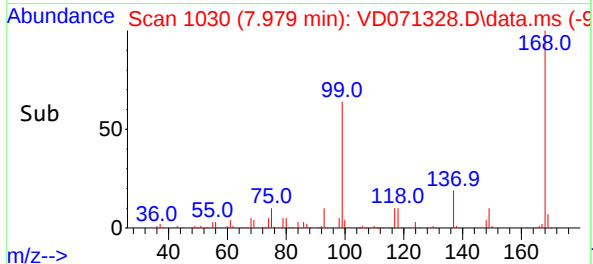
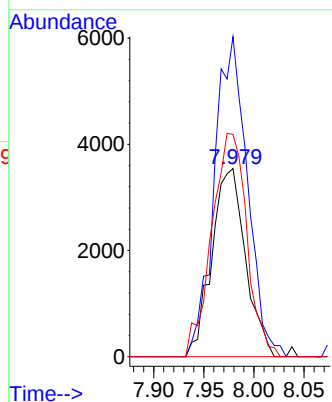
Tgt Ion: 56 Resp: 8285

Ion Ratio Lower Upper

56 100

69 170.0 25.9 38.9#

84 118.0 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 43.870 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071328.D

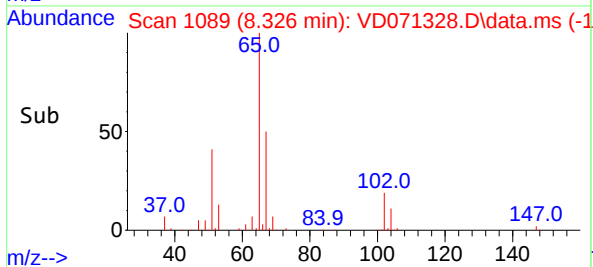
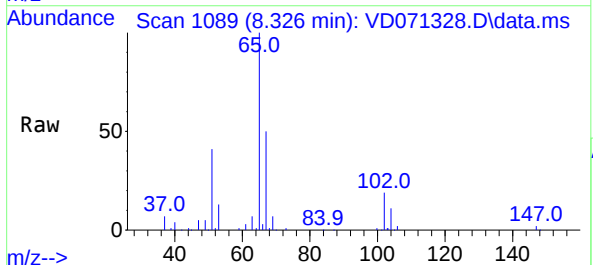
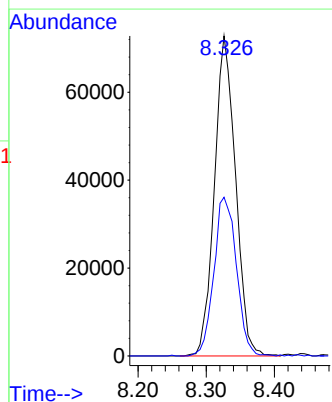
Acq: 14 Dec 2021 18:45

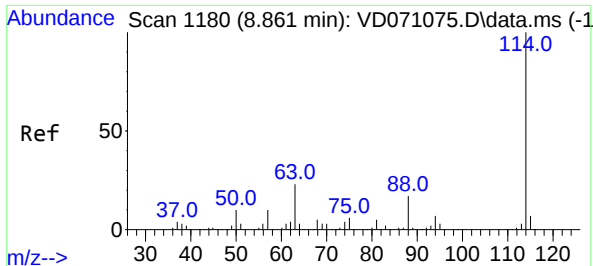
Tgt Ion: 65 Resp: 157068

Ion Ratio Lower Upper

65 100

67 52.9 0.0 112.2

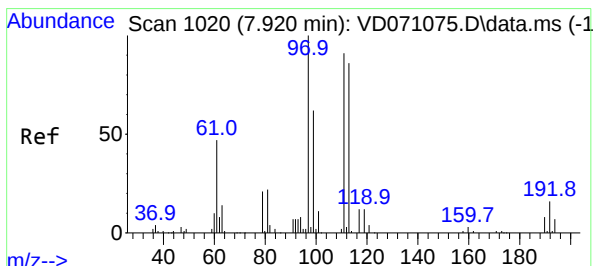
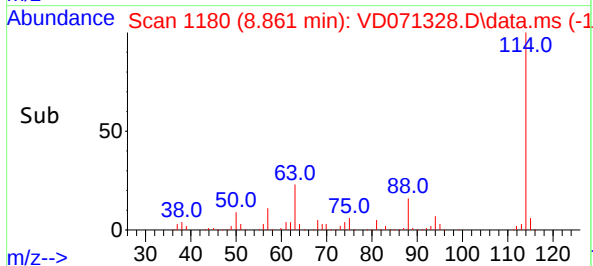
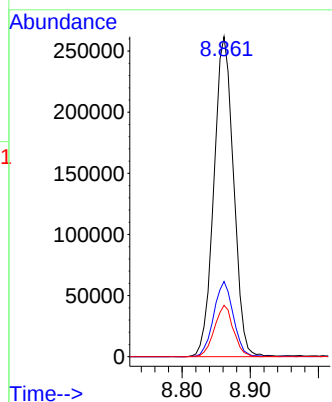
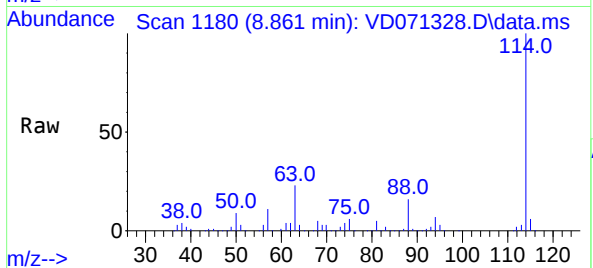




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

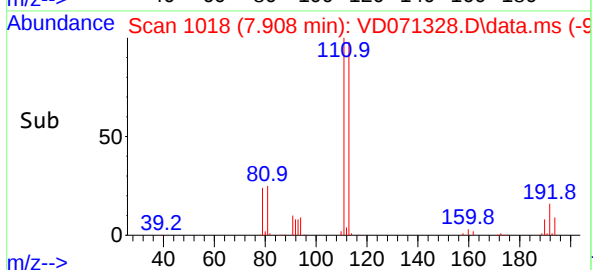
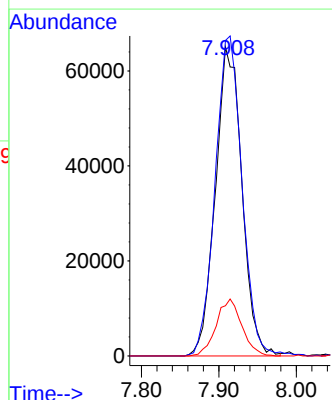
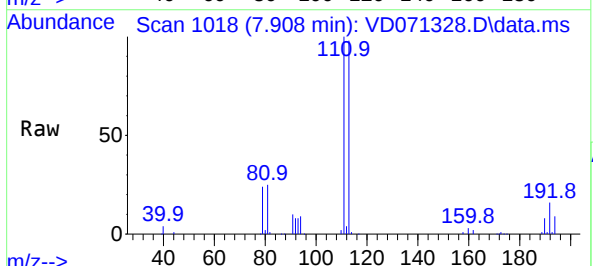
Instrument :
MSVOA_D
ClientSampleId :

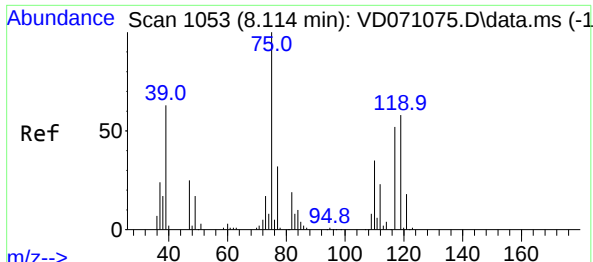
Tgt Ion:114 Resp: 525610
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.258 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

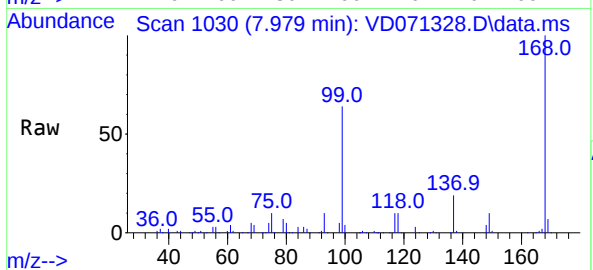
Tgt Ion:113 Resp: 154826
Ion Ratio Lower Upper
113 100
111 104.9 82.0 123.0
192 17.8 15.2 22.8



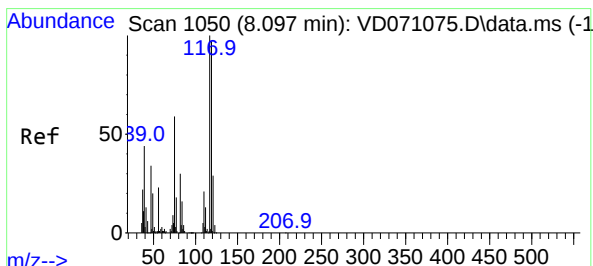
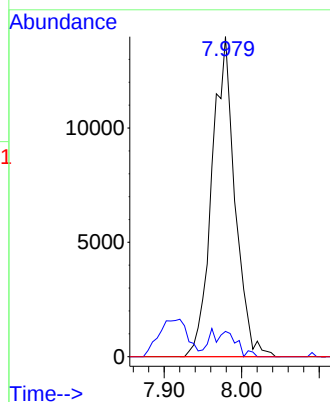
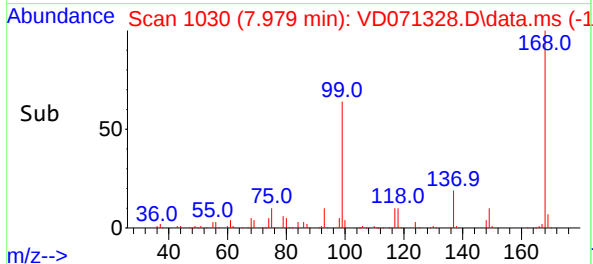


#36
1,1-Dichloropropene
Concen: 5.897 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

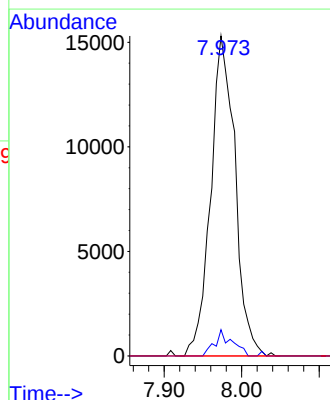
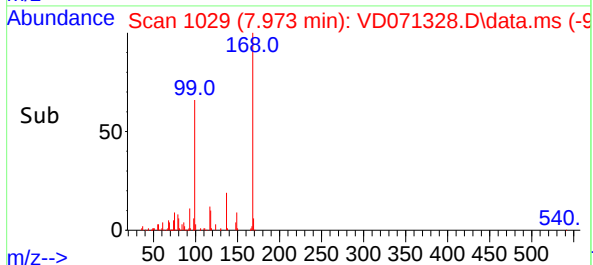
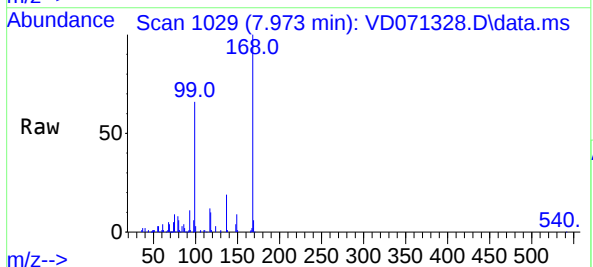


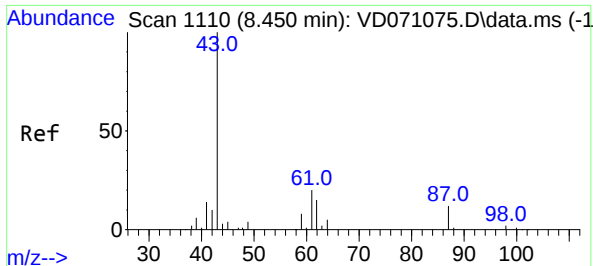
Tgt Ion: 75 Resp: 28967
Ion Ratio Lower Upper
75 100
110 2.1 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.905 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 117 Resp: 33436
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.237 ug/l

RT: 8.491 min Scan# 1110

Delta R.T. 0.041 min

Lab File: VD071328.D

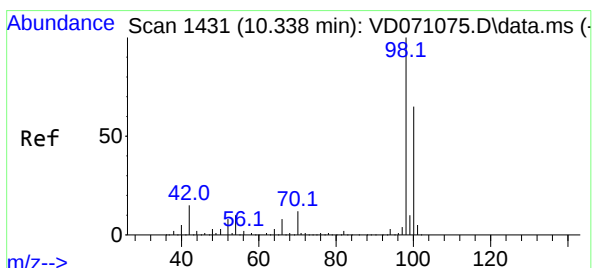
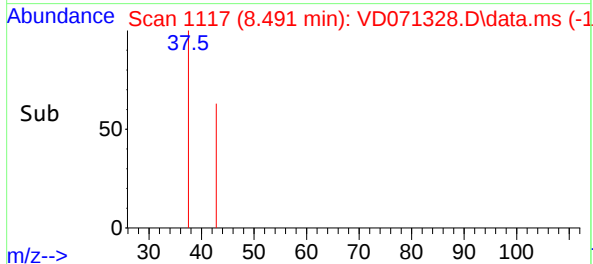
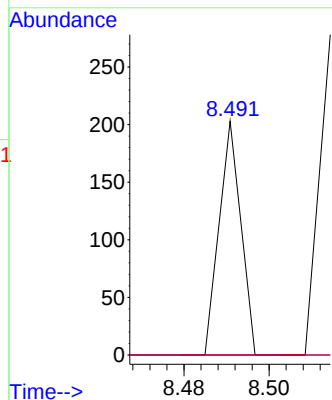
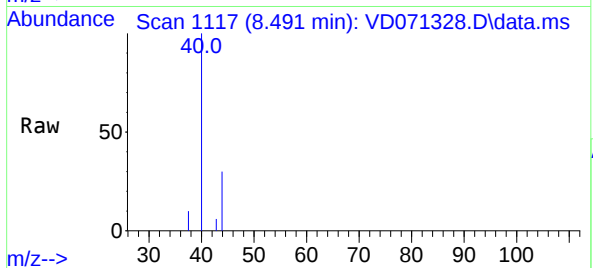
Acq: 14 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 72
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#50

Toluene-d8

Concen: 53.401 ug/l

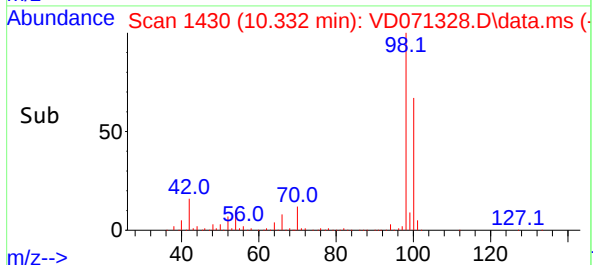
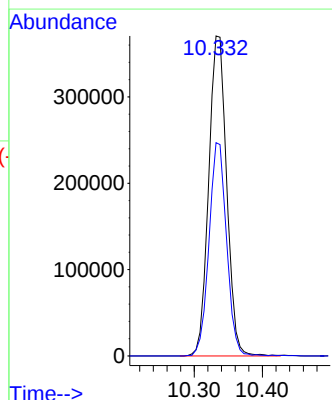
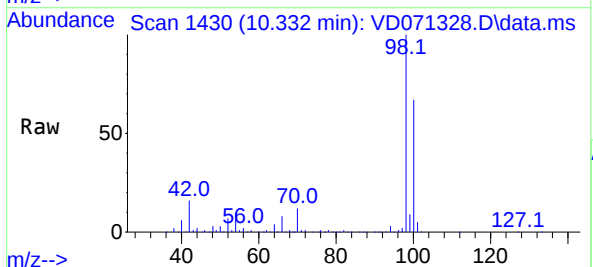
RT: 10.332 min Scan# 1430

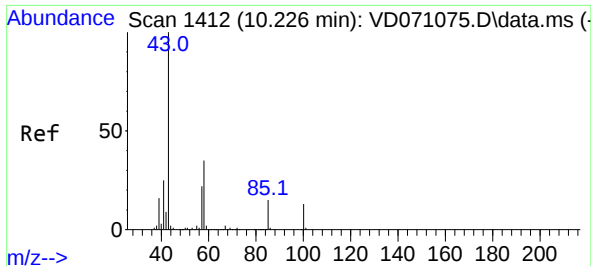
Delta R.T. -0.006 min

Lab File: VD071328.D

Acq: 14 Dec 2021 18:45

Tgt Ion: 98	Resp: 680172
Ion Ratio	Lower Upper
98 100	
100 65.1	51.8 77.6

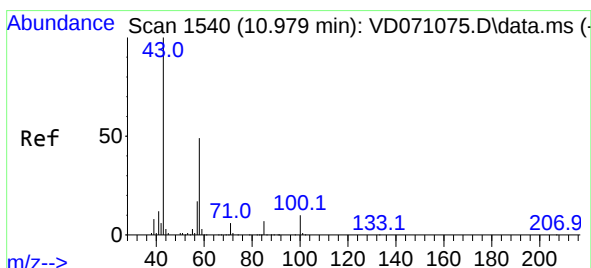
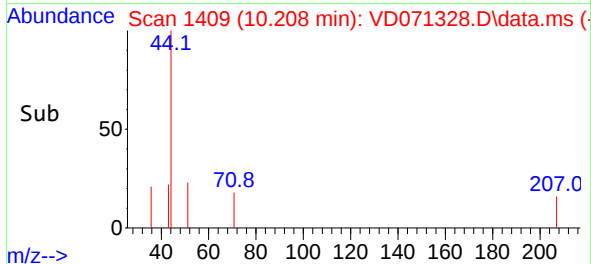
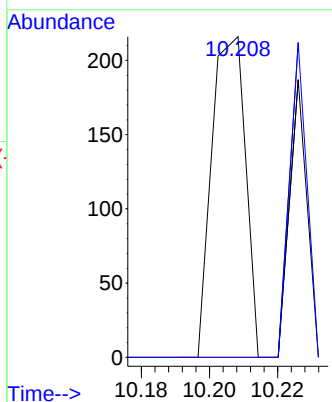
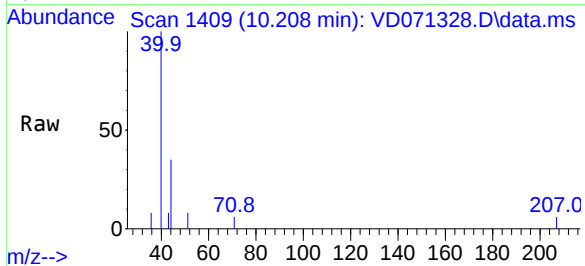




#51
4-Methyl-2-Pentanone
Concen: 30.706 ug/l
RT: 10.208 min Scan# 1412
Delta R.T. -0.018 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

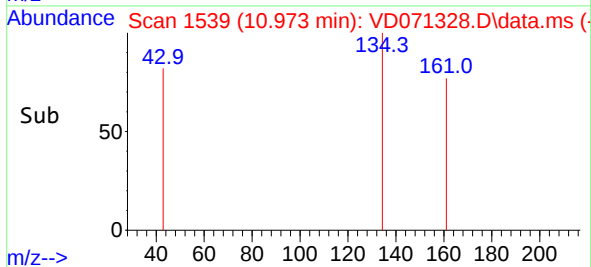
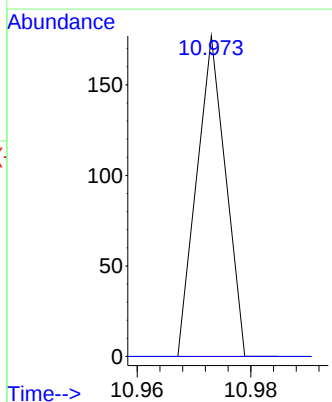
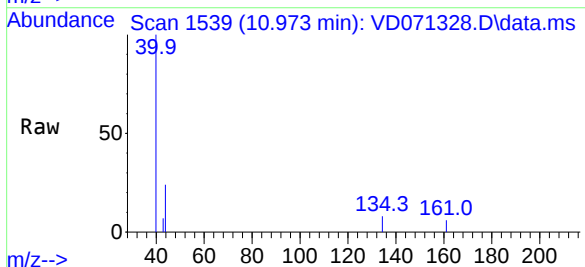
Instrument :
MSVOA_D
ClientSampleId :

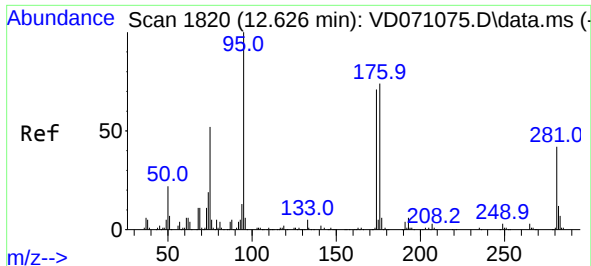
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.604 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

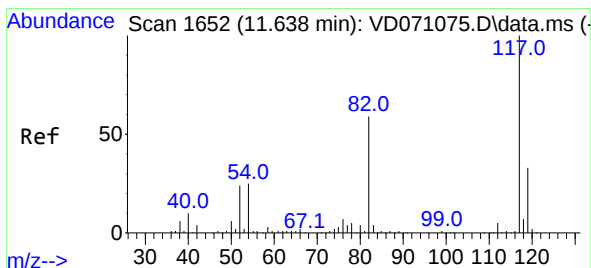
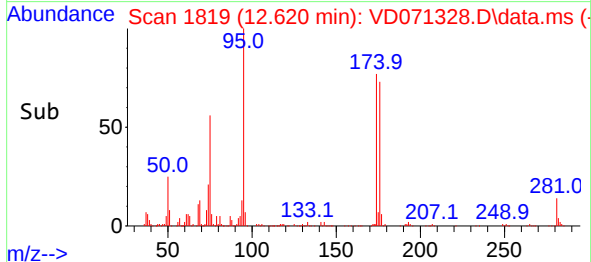
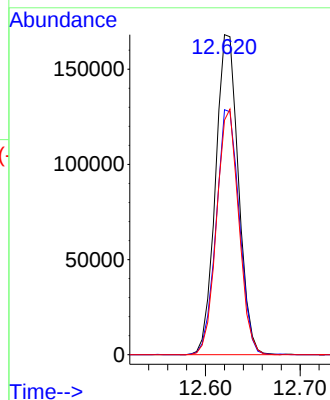
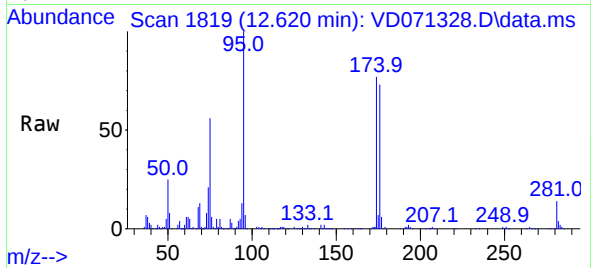




#62
4-Bromofluorobenzene
Concen: 64.051 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

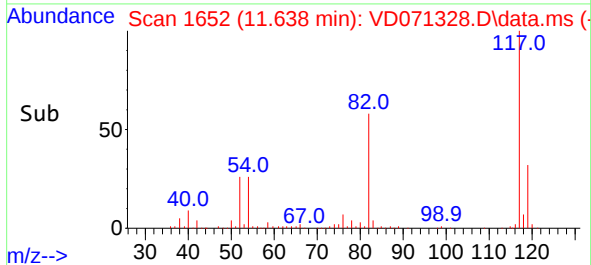
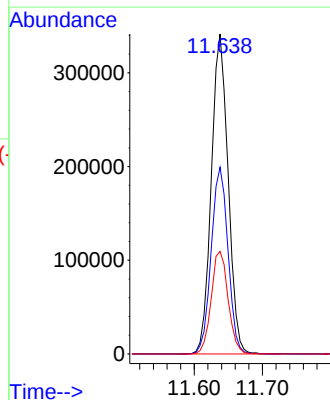
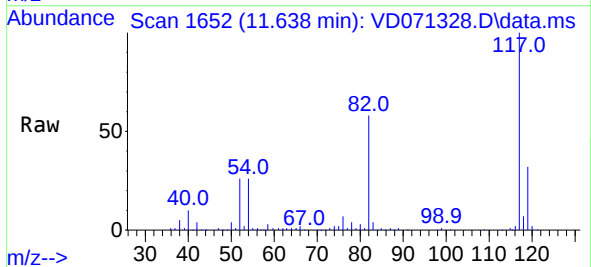
Instrument :
MSVOA_D
ClientSampleId :

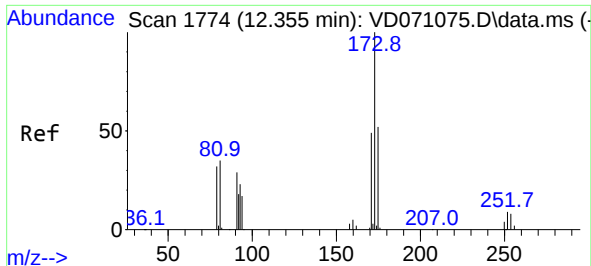
Tgt Ion: 95 Resp: 282796
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 74.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 117 Resp: 585402
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.1 26.2 39.4

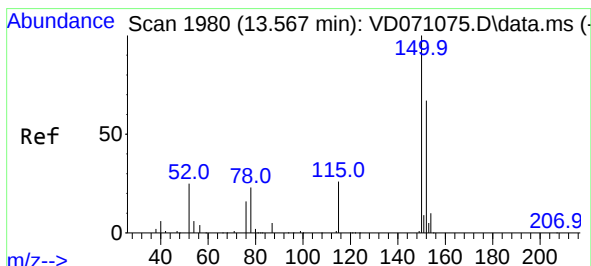
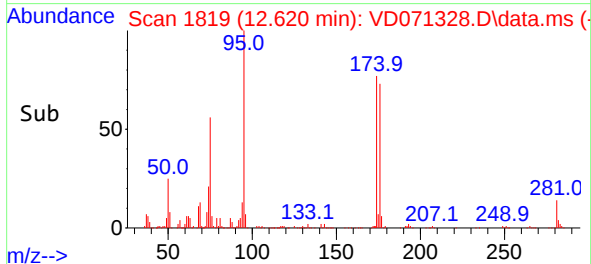
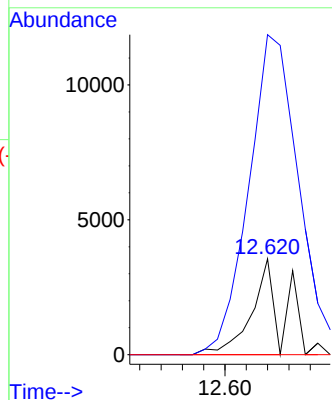
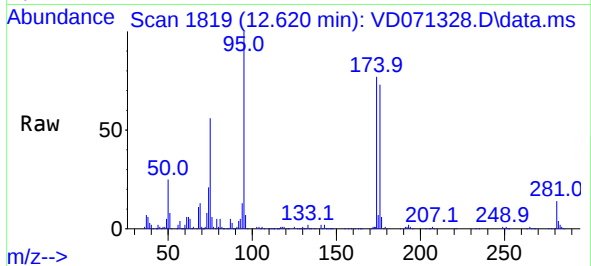




#71
Bromoform
Concen: 1.205 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

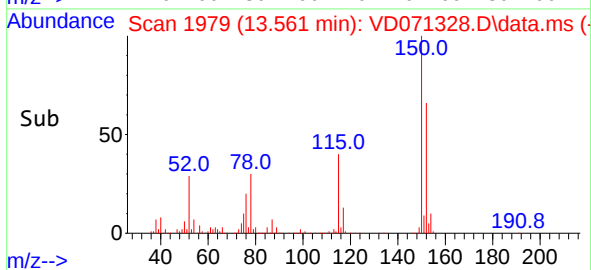
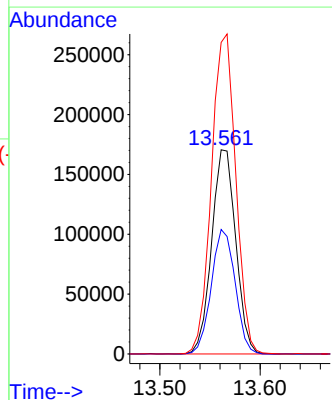
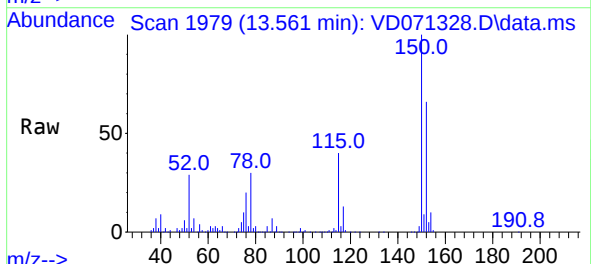
Instrument :
MSVOA_D
ClientSampleId :

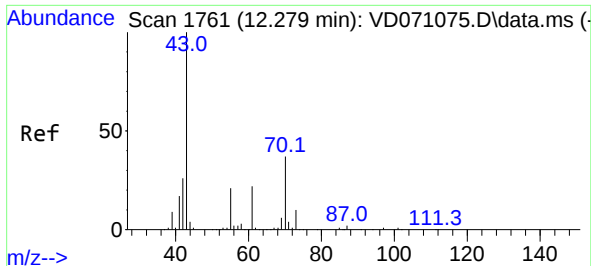
Tgt Ion:173 Resp: 2476
Ion Ratio Lower Upper
173 100
175 666.9 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

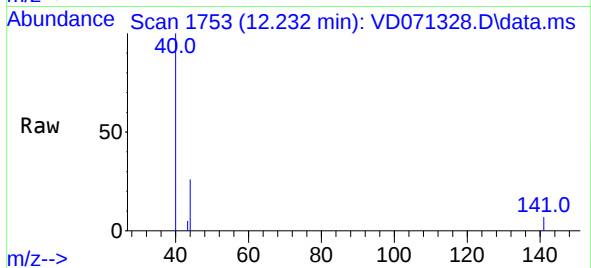
Tgt Ion:152 Resp: 284836
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 158.3 0.0 349.2



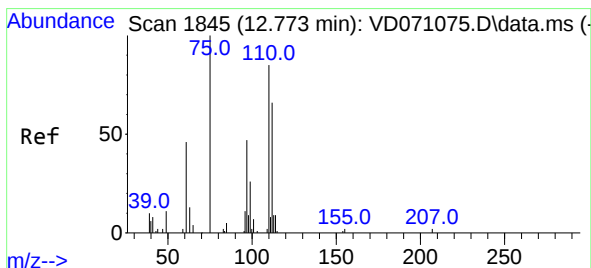
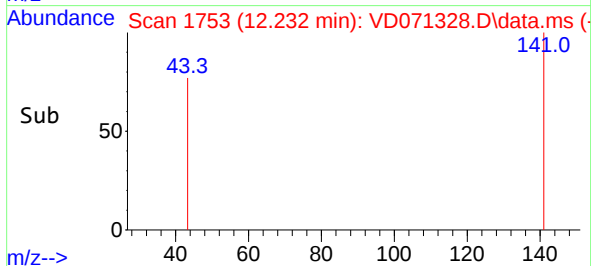
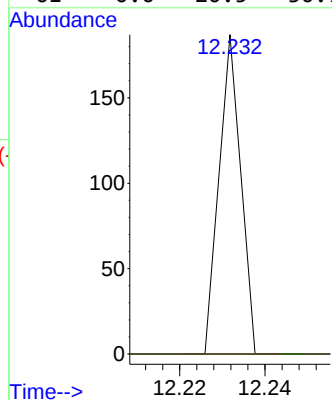


#74
N-amy1 acetate
Concen: 5.711 ug/l
RT: 12.232 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

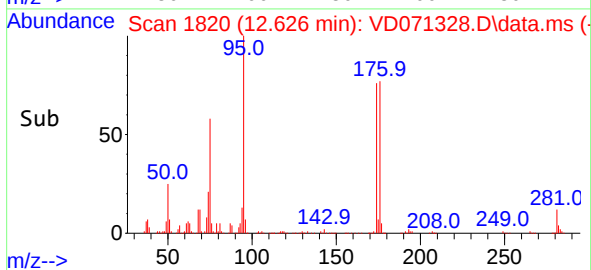
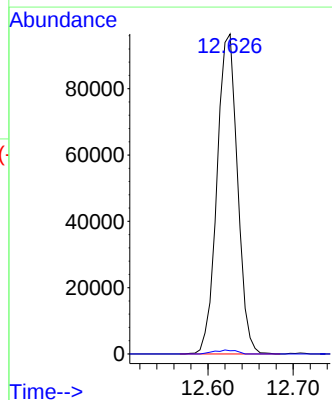
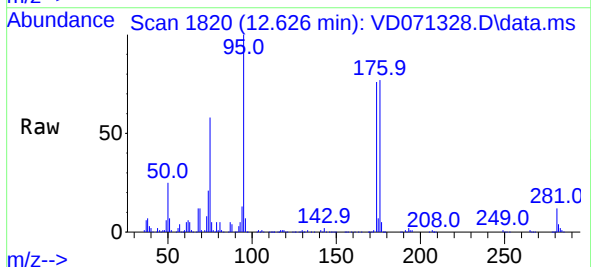


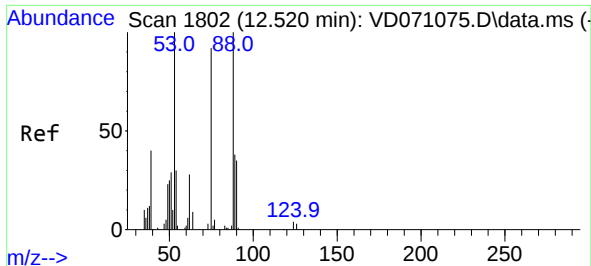
Tgt Ion: 43	Resp: 66
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.337 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

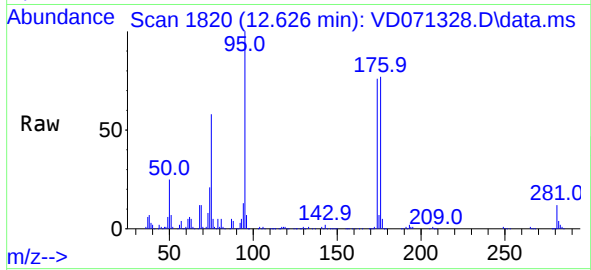
Tgt Ion: 75	Resp: 161029
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.533 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071328.D
 Acq: 14 Dec 2021 18:45

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 161029
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.4 34.5 51.7#

