

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071329.D
 Acq On : 14 Dec 2021 19:13
 Operator : VA/SY
 Sample : M5087-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:33:23 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)

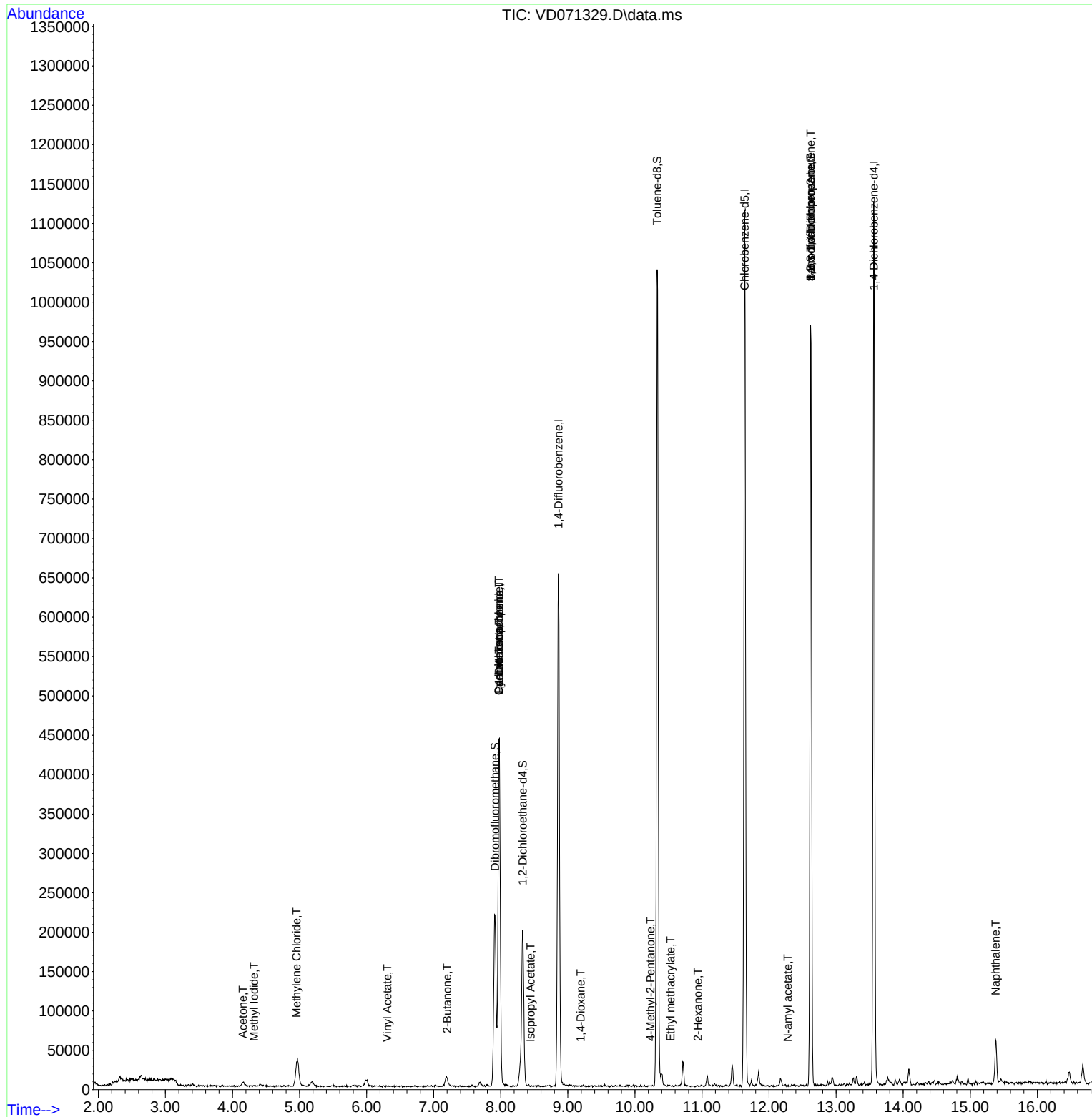
Internal Standards						
1) Pentafluorobenzene	7.979	168	305362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	588376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152871	42.665	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.320%
35) Dibromofluoromethane	7.914	113	157301	46.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.960%
50) Toluene-d8	10.332	98	679392	53.324	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.640%
62) 4-Bromofluorobenzene	12.620	95	275466	62.373	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	110	4.589	ug/l #	40
11) Tert butyl alcohol	5.185	59	5116	Below Cal	#	74
16) Acetone	4.156	43	9803	39.830	ug/l #	80
20) Methylene Chloride	4.956	84	24376	2.799	ug/l	93
23) Vinyl Acetate	6.309	43	63	27.228	ug/l #	72
25) 2-Butanone	7.203	43	3682	31.330	ug/l #	75
31) Cyclohexane	7.973	56	9616	1.578	ug/l #	25
36) 1,1-Dichloropropene	7.973	75	27933	5.684	ug/l #	51
38) Carbon Tetrachloride	7.973	117	32750	6.761	ug/l #	16
41) Methacrylonitrile	7.561	41	70	Below Cal	#	70
43) Isopropyl Acetate	8.444	43	71	5.237	ug/l #	47
49) 1,4-Dioxane	9.191	88	61	3.470	ug/l #	1
51) 4-Methyl-2-Pentanone	10.232	43	644	30.888	ug/l #	34
56) Ethyl methacrylate	10.532	69	62	5.986	ug/l #	1
59) 2-Hexanone	10.938	43	79	34.612	ug/l	83
71) Bromoform	12.620	173	3026	1.465	ug/l #	1
74) N-amyl acetate	12.279	43	224	5.737	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	160488	61.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	160488	132.402	ug/l #	18
95) Naphthalene	15.379	128	46695	5.812	ug/l	97

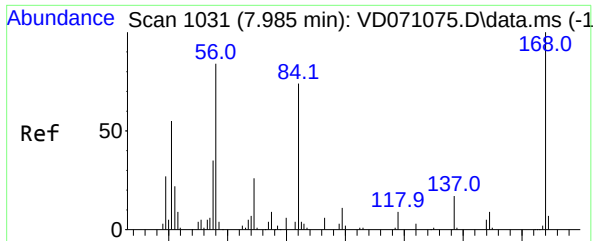
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 08:33:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

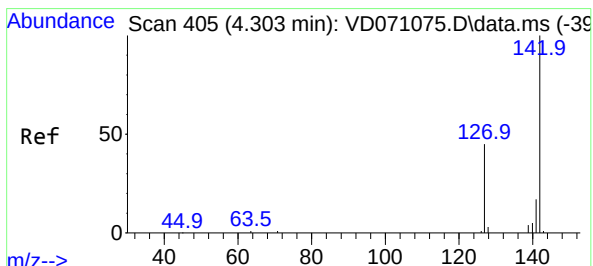
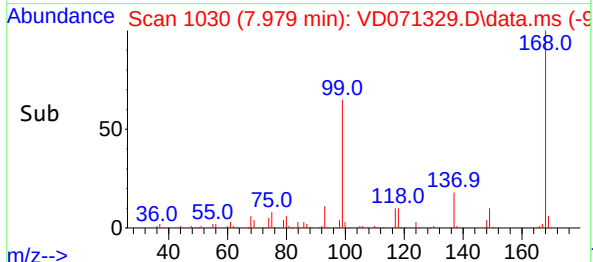
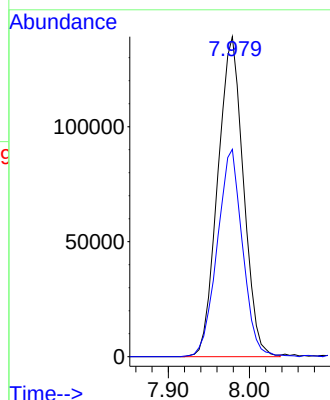
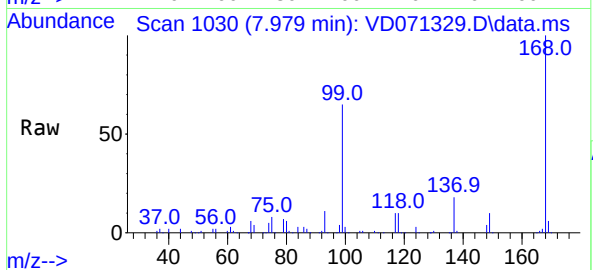




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

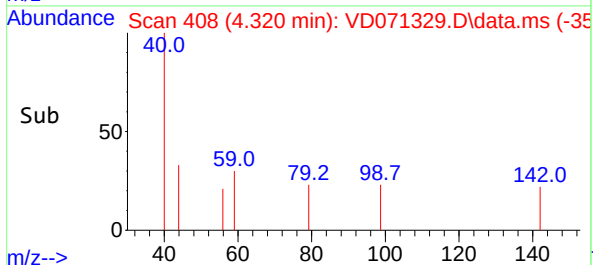
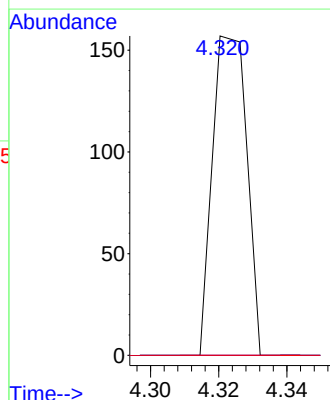
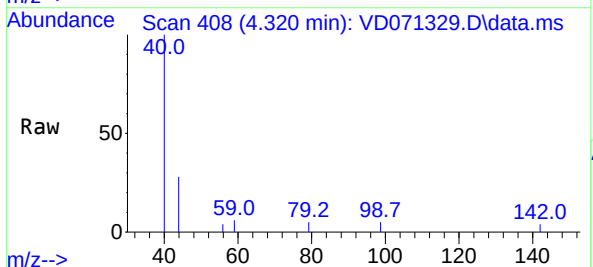
Instrument :
MSVOA_D
ClientSampleId :

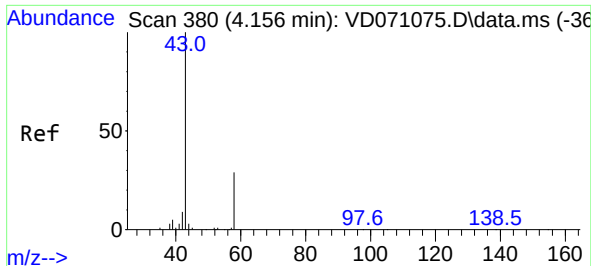
Tgt Ion:168 Resp: 305362
Ion Ratio Lower Upper
168 100
99 64.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.589 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

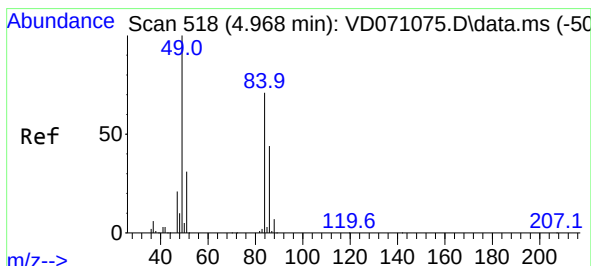
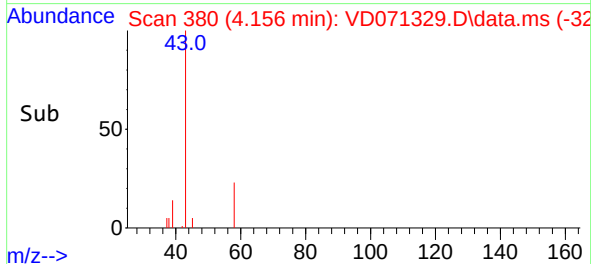
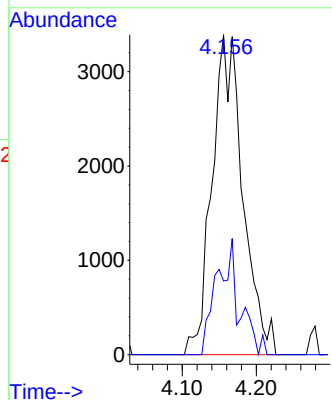
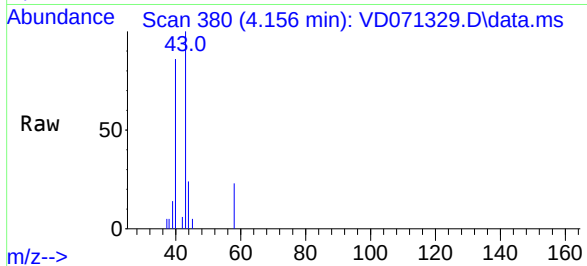




#16
Acetone
Concen: 39.830 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

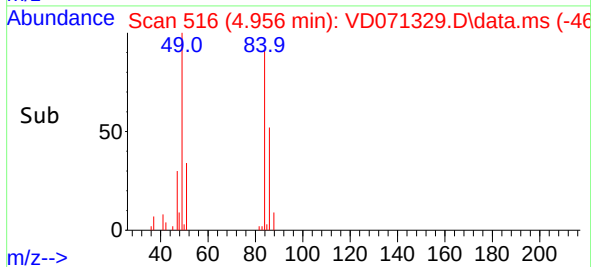
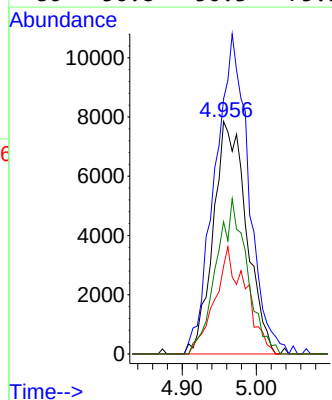
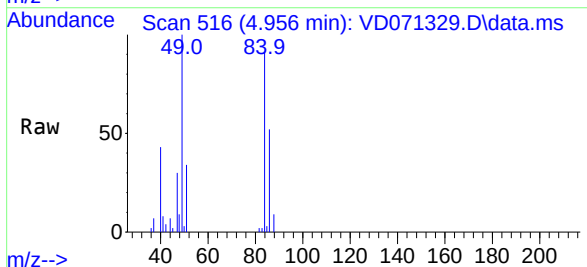
Instrument :
MSVOA_D
ClientSampleId :

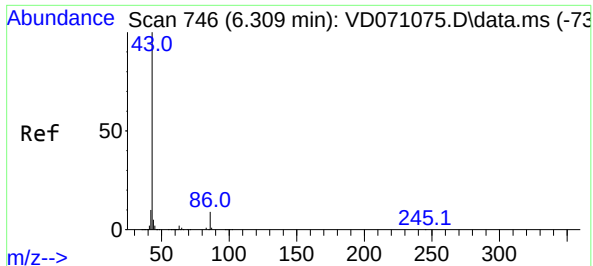
Tgt Ion: 43 Resp: 9803
Ion Ratio Lower Upper
43 100
58 23.0 27.8 41.8#



#20
Methylene Chloride
Concen: 2.799 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion: 84 Resp: 24376
Ion Ratio Lower Upper
84 100
49 109.6 95.8 143.6
51 37.7 30.9 46.3
86 56.8 50.3 75.5

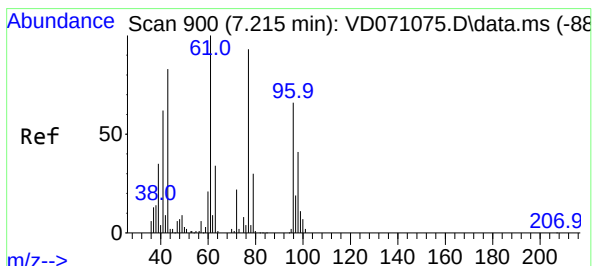
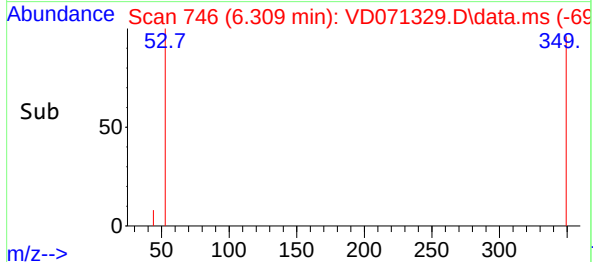
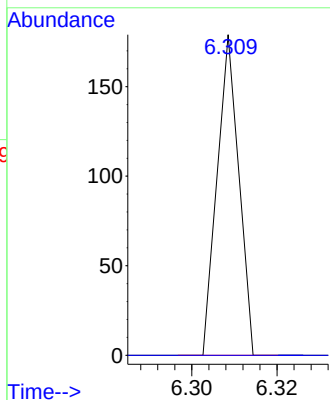
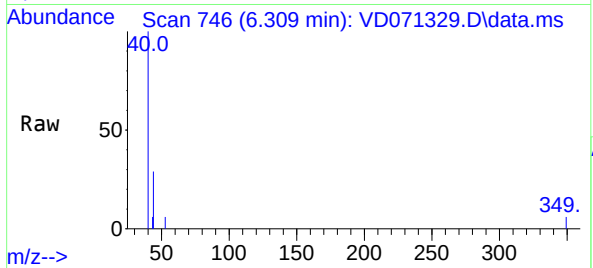




#23
 Vinyl Acetate
 Concen: 27.228 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD071329.D
 Acq: 14 Dec 2021 19:13

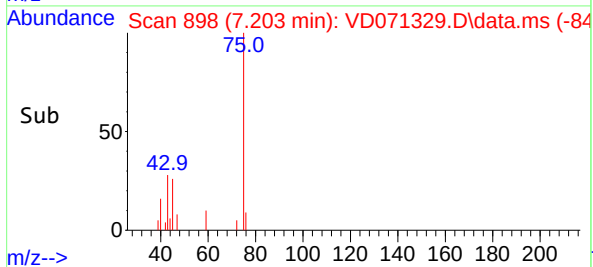
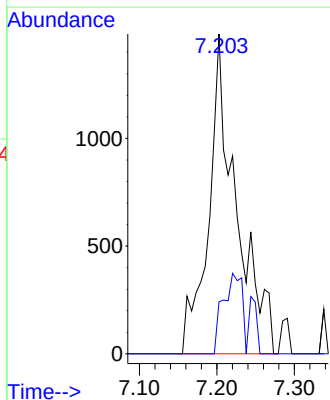
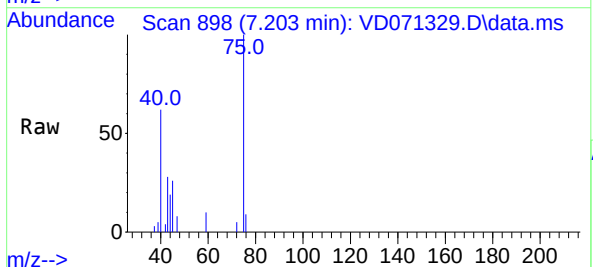
Instrument :
 MSVOA_D
 ClientSampleId :

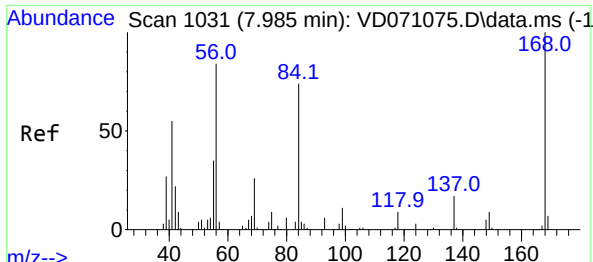
Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 31.330 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071329.D
 Acq: 14 Dec 2021 19:13

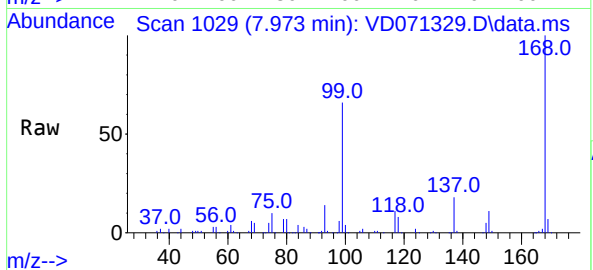
Tgt Ion: 43 Resp: 3682
 Ion Ratio Lower Upper
 43 100
 72 16.3 23.8 35.6#



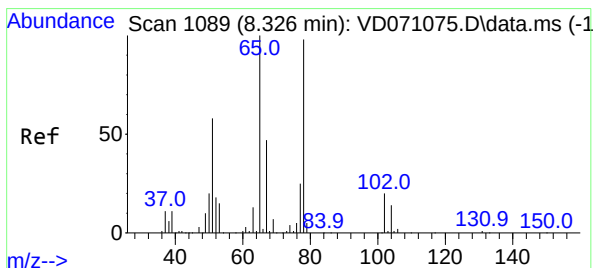
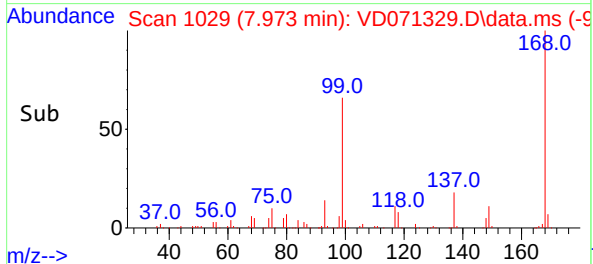
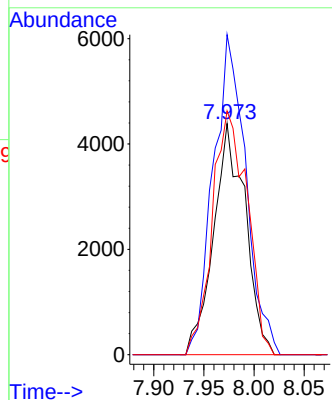


#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

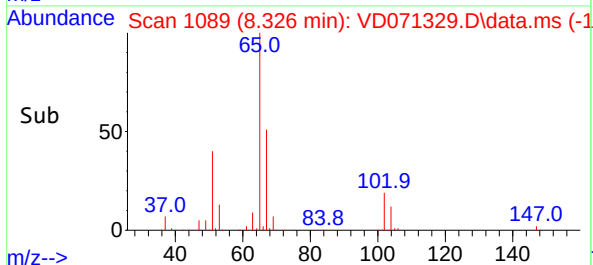
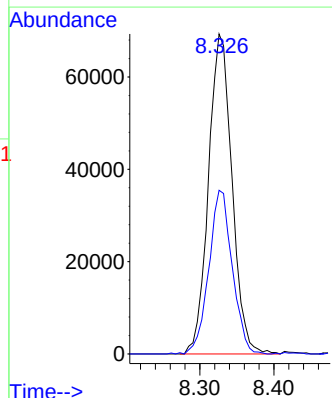
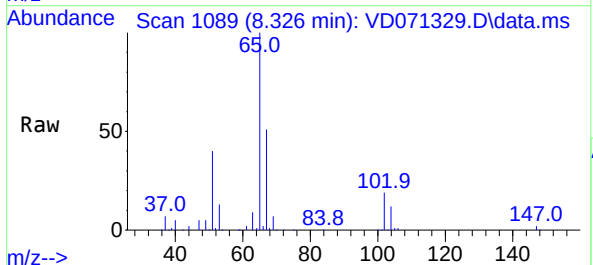


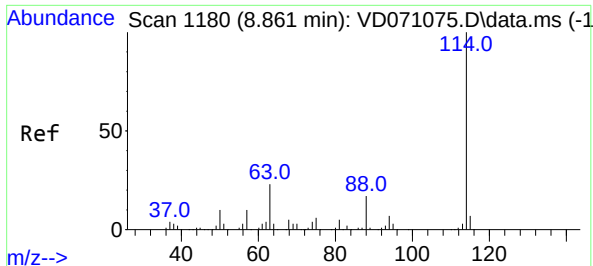
Tgt Ion: 56 Resp: 9616
Ion Ratio Lower Upper
56 100
69 138.4 25.9 38.9#
84 105.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 42.665 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion: 65 Resp: 152871
Ion Ratio Lower Upper
65 100
67 51.0 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: VD071329.D

Acq: 14 Dec 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

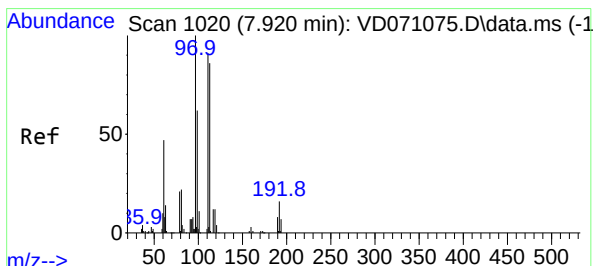
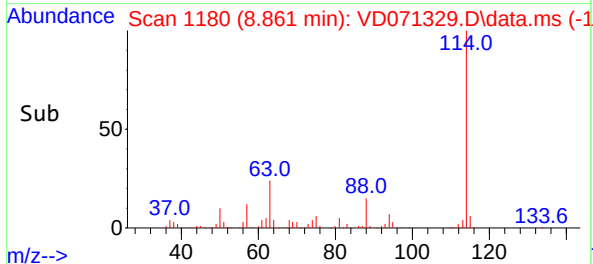
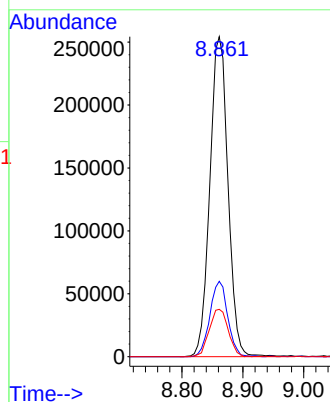
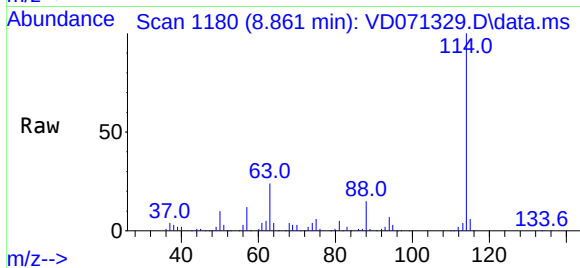
Tgt Ion:114 Resp: 525759

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.984 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071329.D

Acq: 14 Dec 2021 19:13

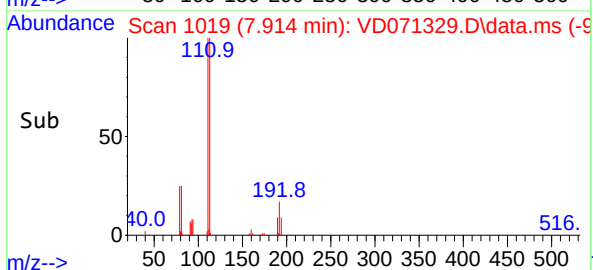
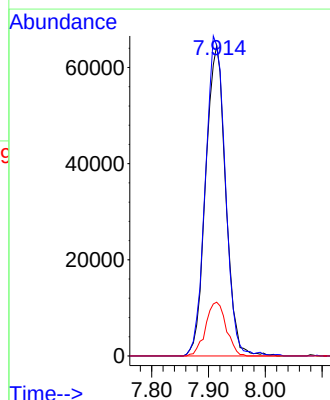
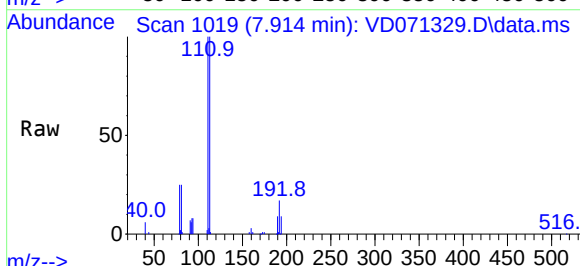
Tgt Ion:113 Resp: 157301

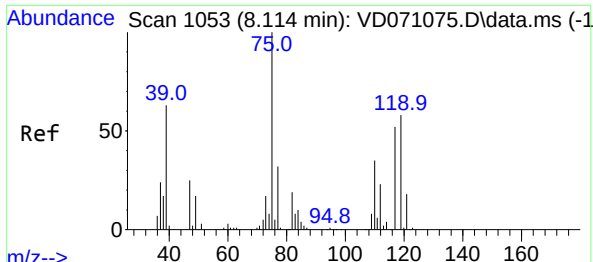
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

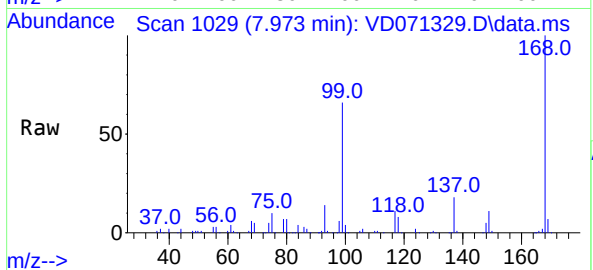
192 17.8 15.2 22.8



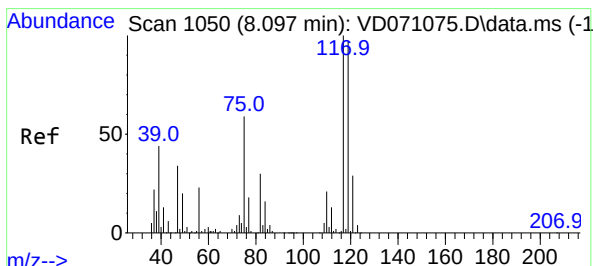
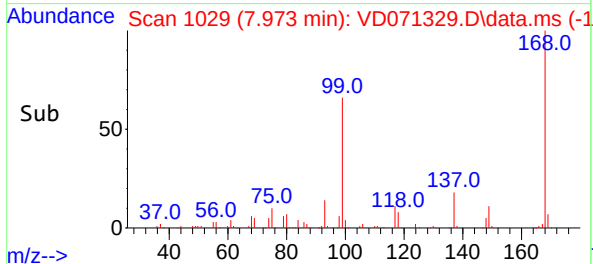
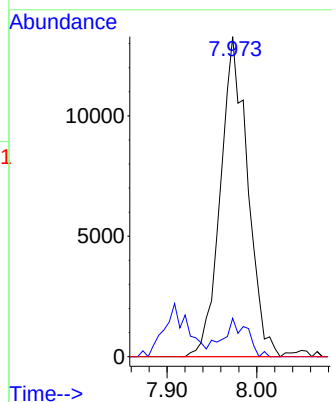


#36
1,1-Dichloropropene
Concen: 5.684 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

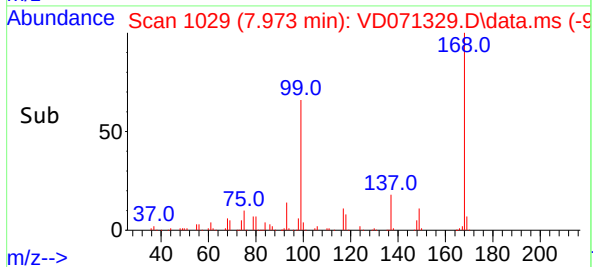
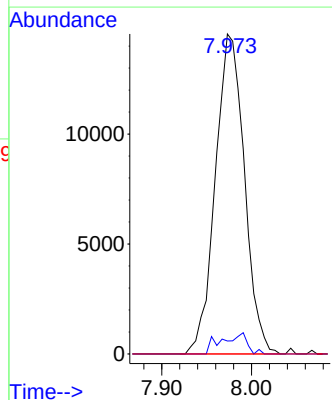
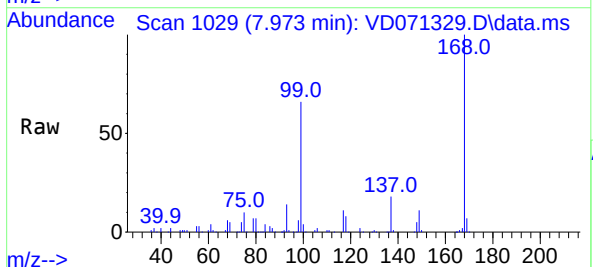


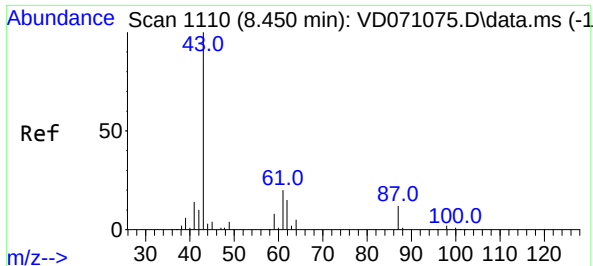
Tgt Ion: 75 Resp: 27933
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion: 117 Resp: 32750
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.237 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD071329.D

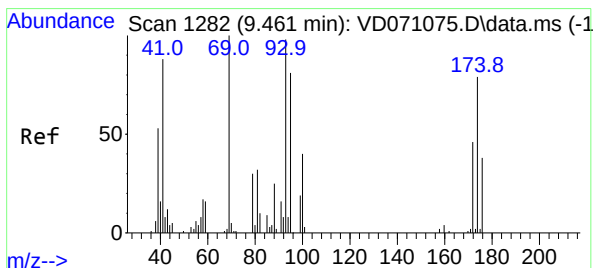
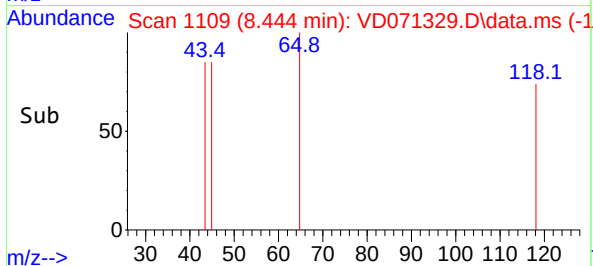
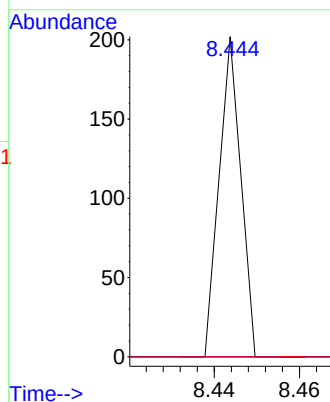
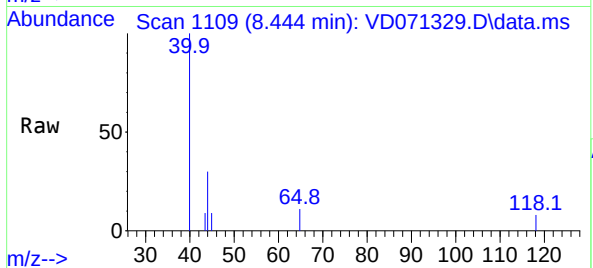
Acq: 14 Dec 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp:	71
Ion	Ratio	Lower Upper
43	100	
61	0.0	28.2 42.4#
87	0.0	10.7 16.1#



#49

1,4-Dioxane

Concen: 3.470 ug/l

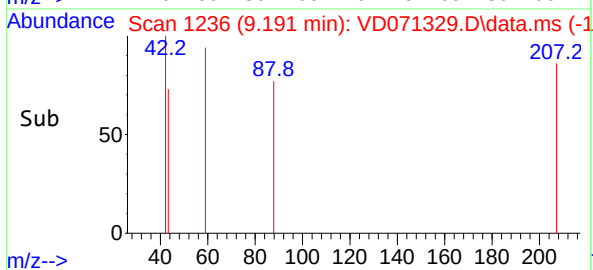
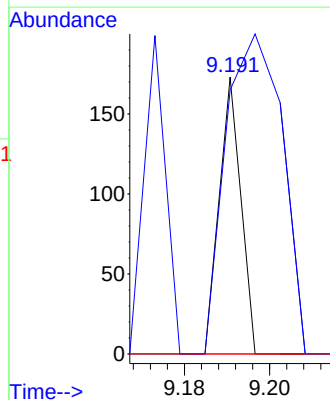
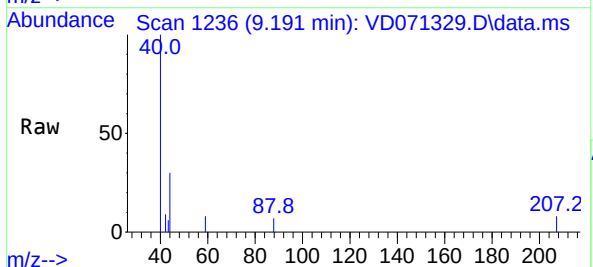
RT: 9.191 min Scan# 1236

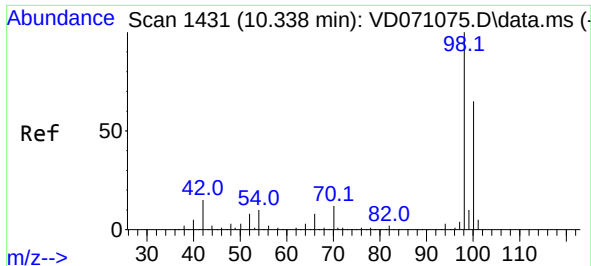
Delta R.T. -0.270 min

Lab File: VD071329.D

Acq: 14 Dec 2021 19:13

Tgt Ion: 88	Resp:	61
Ion	Ratio	Lower Upper
88	100	
43	301.6	28.9 43.3#
58	0.0	56.3 84.5#

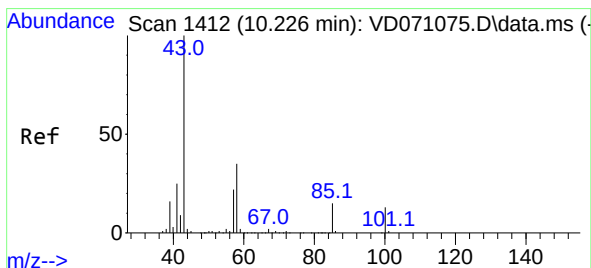
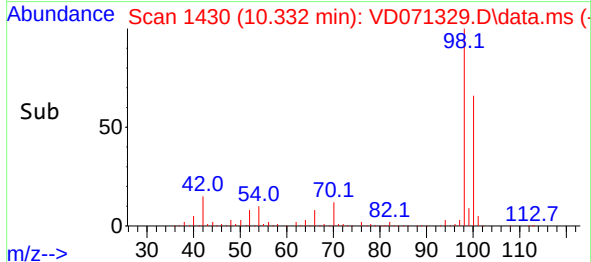
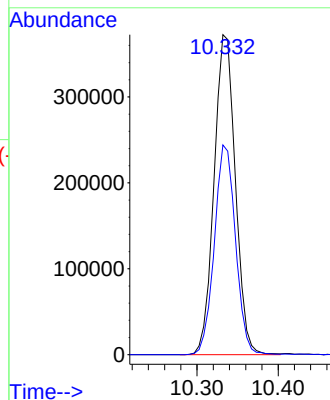
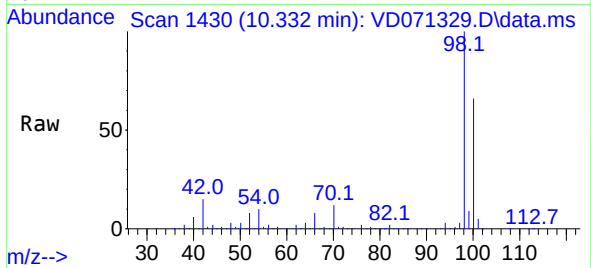




#50
Toluene-d8
Concen: 53.324 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

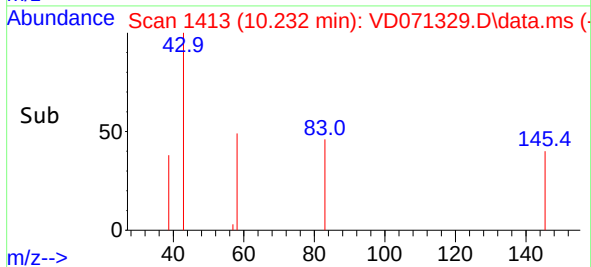
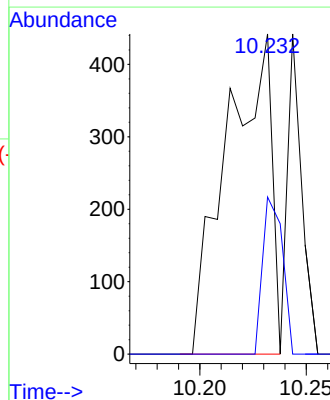
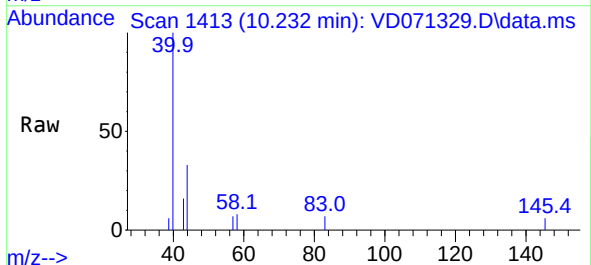
Instrument :
MSVOA_D
ClientSampleId :

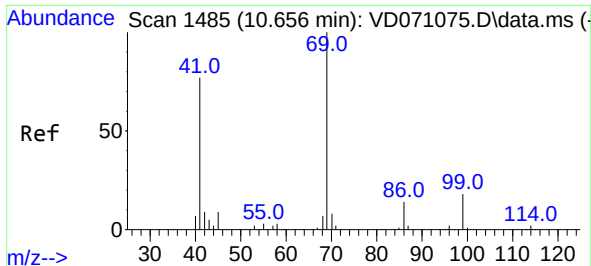
Tgt Ion: 98 Resp: 679392
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.888 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

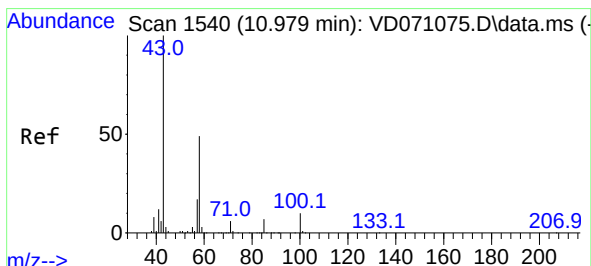
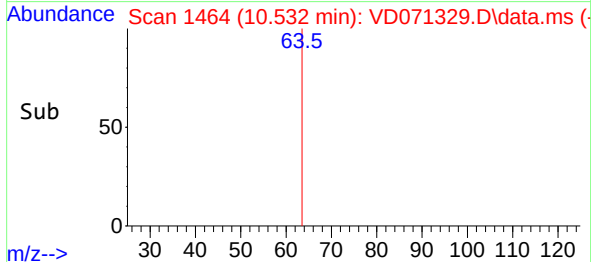
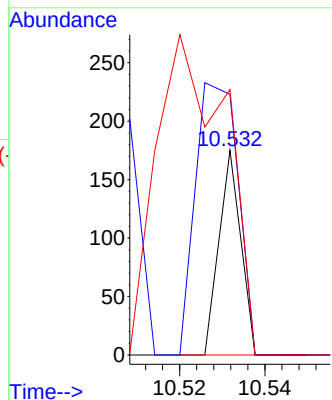
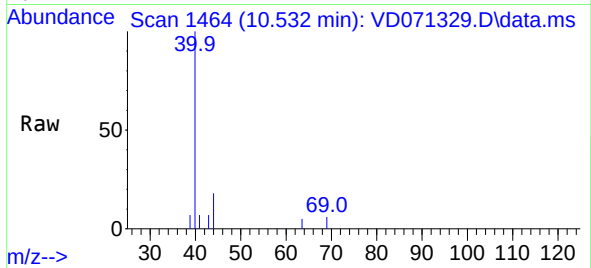




#56
Ethyl methacrylate
Concen: 5.986 ug/l
RT: 10.532 min Scan# 14
Delta R.T. -0.124 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

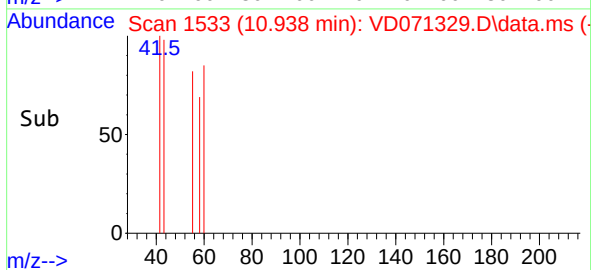
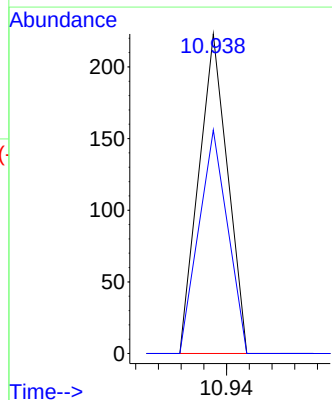
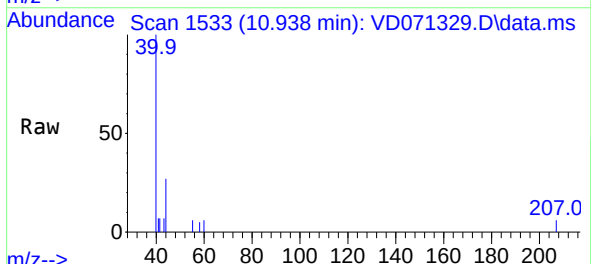
Instrument :
MSVOA_D
ClientSampleId :

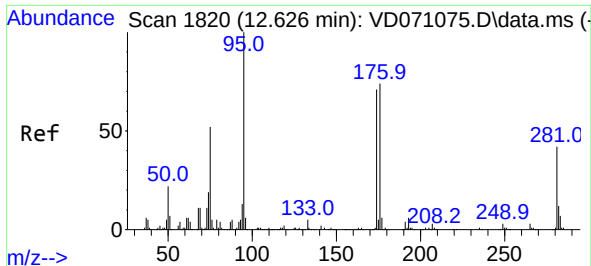
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 259.7 50.2 75.2#
39 495.2 19.8 29.8#



#59
2-Hexanone
Concen: 34.612 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 69.6 28.7 86.1

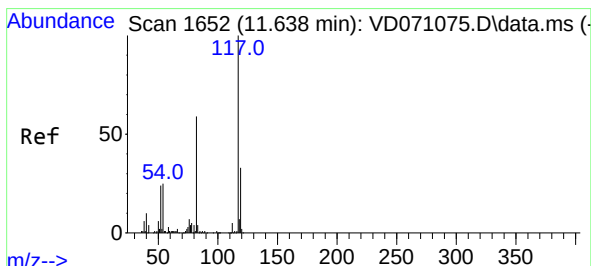
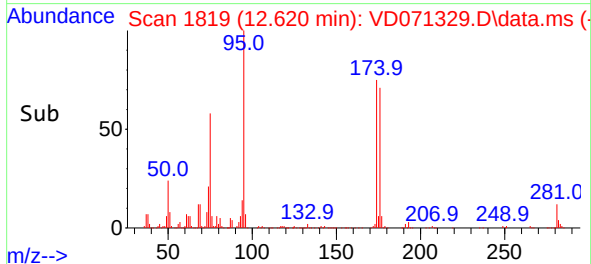
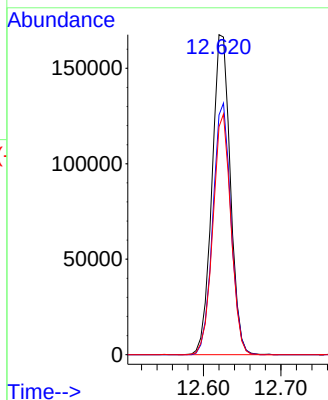
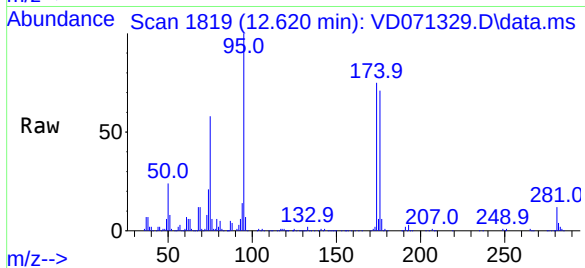




#62
4-Bromofluorobenzene
Concen: 62.373 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

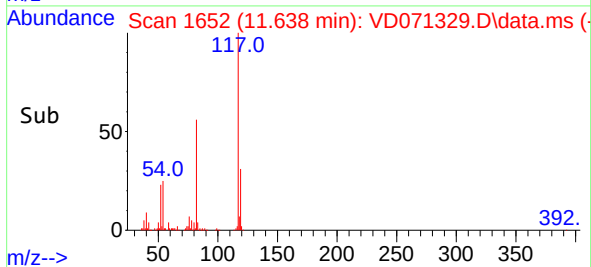
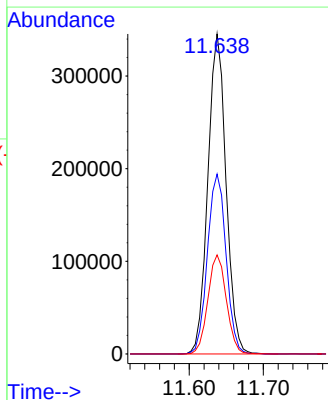
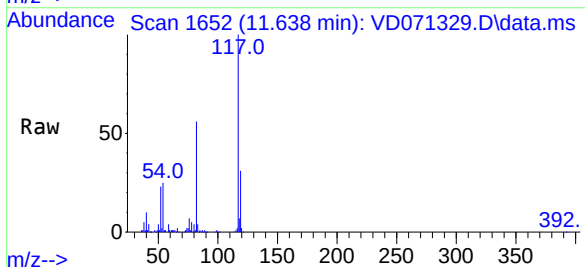
Instrument :
MSVOA_D
ClientSampleId :

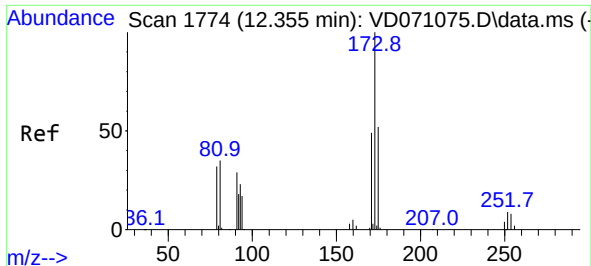
Tgt Ion: 95 Resp: 275466
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 73.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion:117 Resp: 588376
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 30.9 26.2 39.4

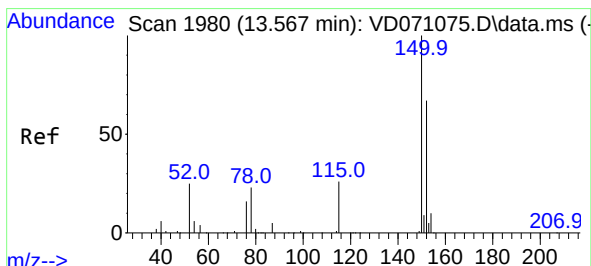
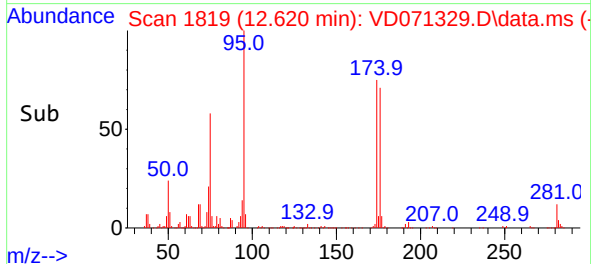
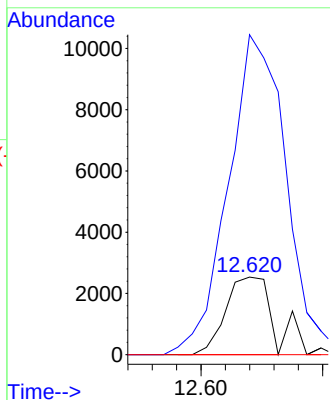
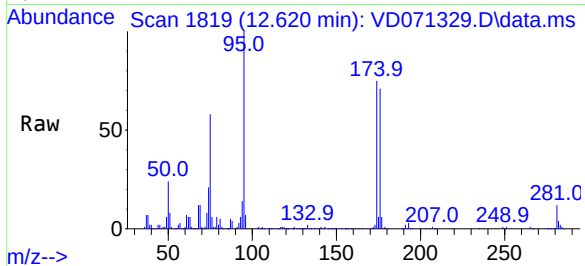




#71
Bromoform
Concen: 1.465 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

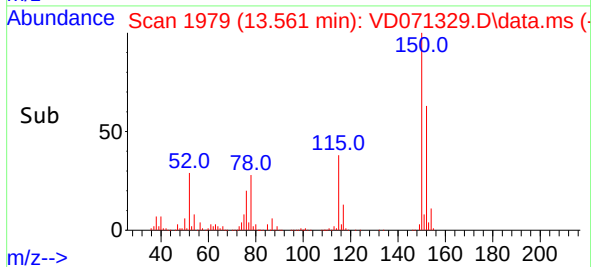
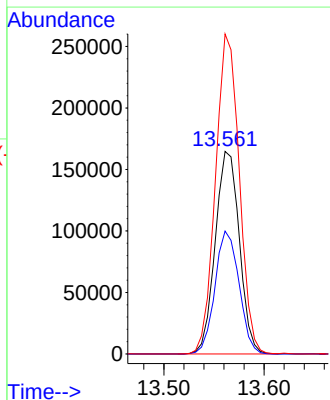
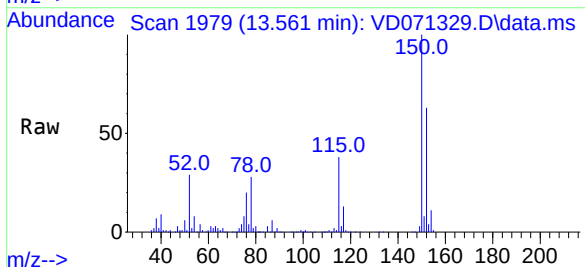
Instrument :
MSVOA_D
ClientSampleId :

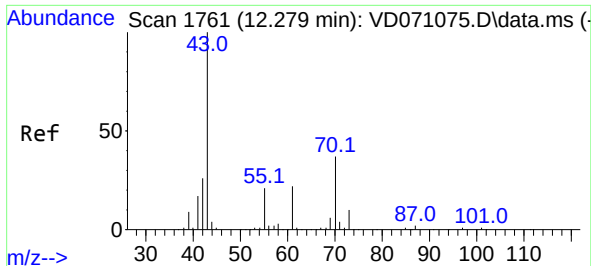
Tgt Ion:173 Resp: 3026
Ion Ratio Lower Upper
173 100
175 491.9 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

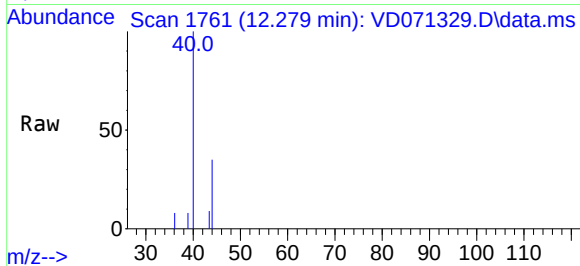
Tgt Ion:152 Resp: 275205
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 155.9 0.0 349.2



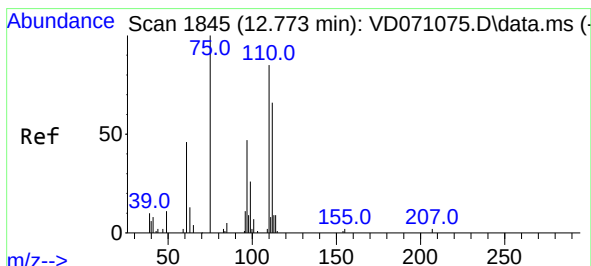
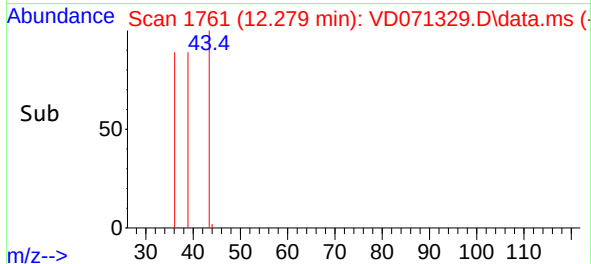
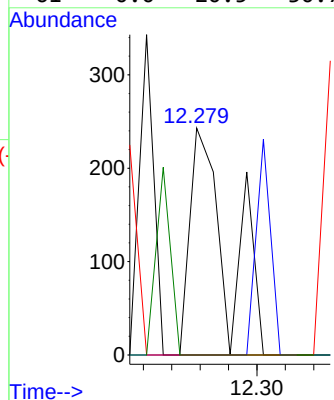


#74
N-amy1 acetate
Concen: 5.737 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

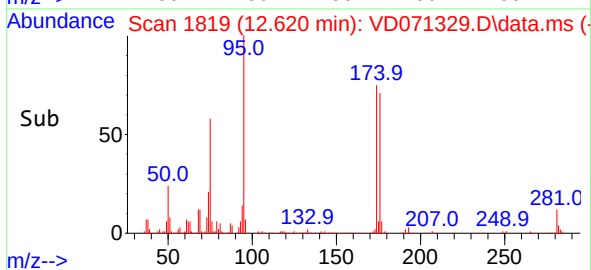
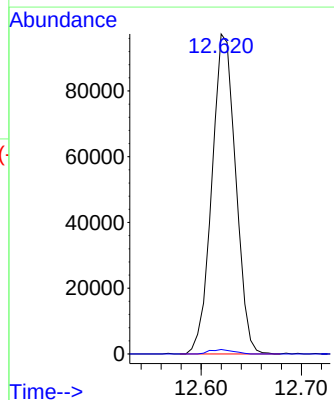
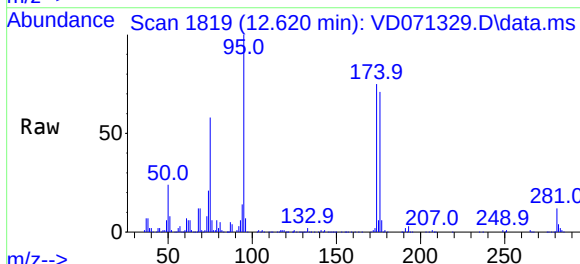


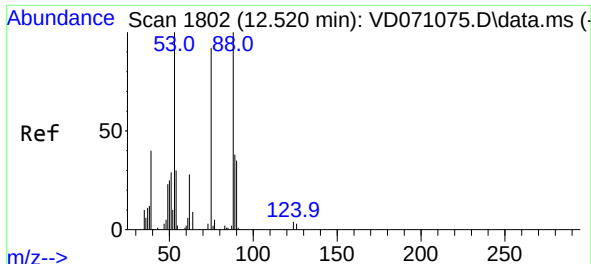
Tgt Ion: 43	Resp: 224
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 61.207 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

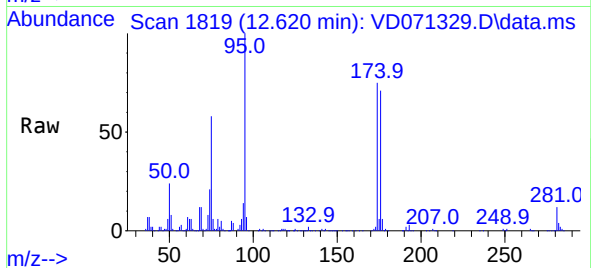
Tgt Ion: 75	Resp: 160488
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#



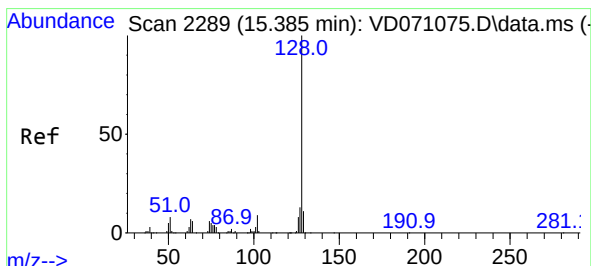
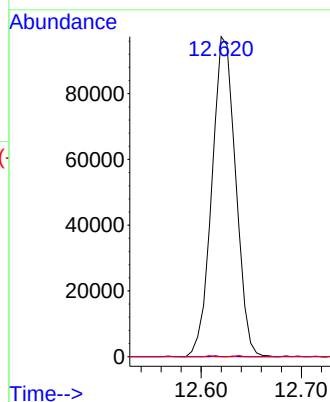
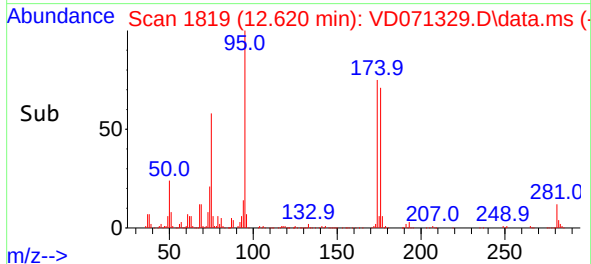


#81
trans-1,4-Dichloro-2-butene
Concen: 132.402 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 160488
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 5.812 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071329.D
Acq: 14 Dec 2021 19:13

Tgt Ion:128 Resp: 46695
Ion Ratio Lower Upper
128 100
127 15.2 10.7 16.1
129 11.1 8.7 13.1

