

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071364.D
 Acq On : 16 Dec 2021 13:44
 Operator : VA/SY
 Sample : M5083-13RE
 Misc : 6.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:48:22 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)

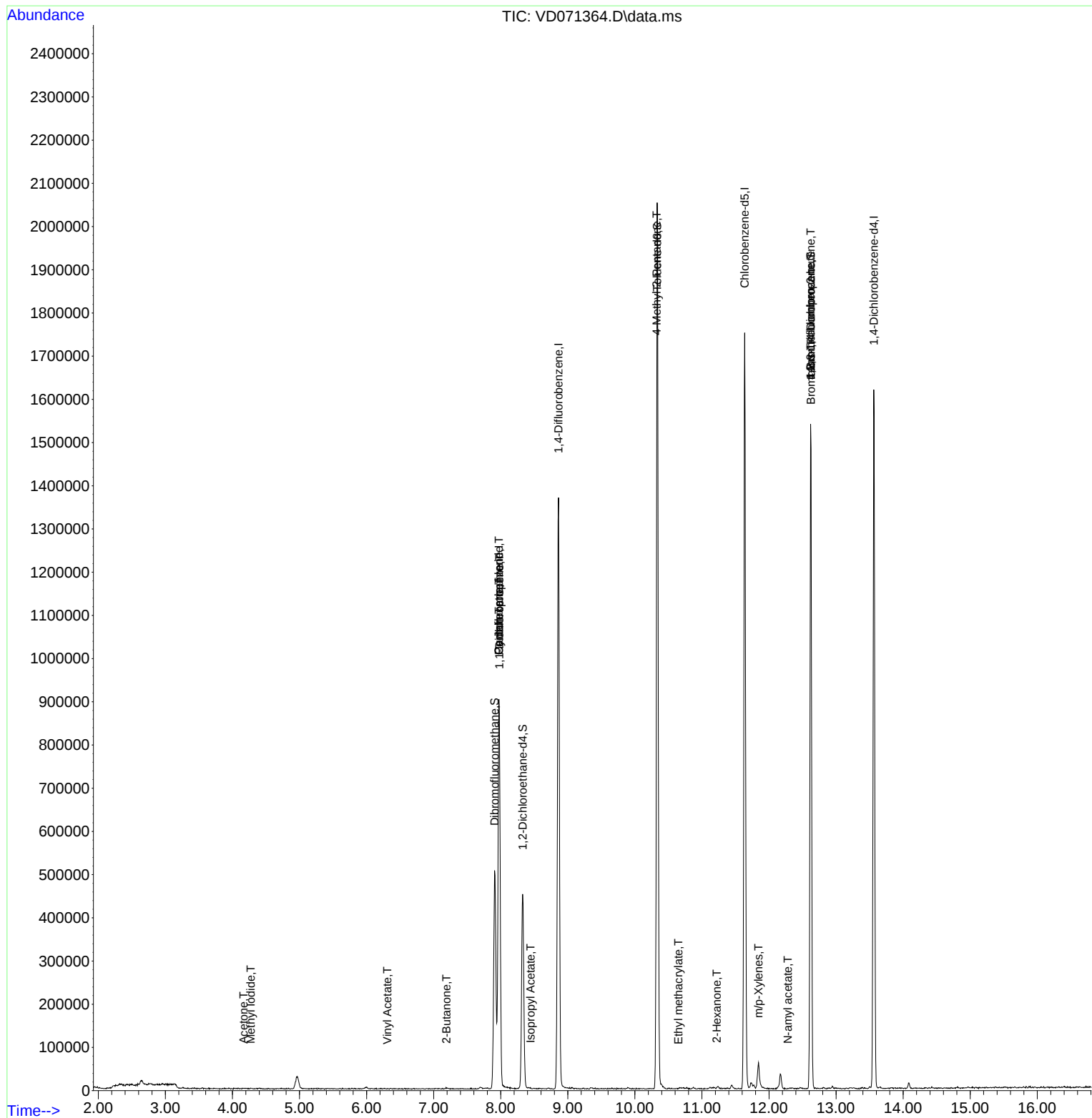
Internal Standards						
1) Pentafluorobenzene	7.973	168	634560	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	1084861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	918679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	386526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	359236	48.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.500%
35) Dibromofluoromethane	7.908	113	348348	50.425	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.332	98	1293929	49.218	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.620	95	419057	45.985	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.960%
Target Compounds						Qvalue
10) Methyl Iodide	4.273	142	82	4.571	ug/l #	24
11) Tert butyl alcohol	5.215	59	450	Below Cal	#	71
16) Acetone	4.168	43	585	31.056	ug/l #	56
20) Methylene Chloride	4.962	84	20522	Below Cal	#	83
23) Vinyl Acetate	6.309	43	163	27.230	ug/l #	72
25) 2-Butanone	7.191	43	168	28.424	ug/l #	45
31) Cyclohexane	7.973	56	18954	1.497	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	57474	5.668	ug/l #	49
38) Carbon Tetrachloride	7.973	117	68029	6.806	ug/l #	17
41) Methacrylonitrile	7.520	41	79	Below Cal	#	12
43) Isopropyl Acetate	8.444	43	221	5.243	ug/l #	47
51) 4-Methyl-2-Pentanone	10.326	43	7774	32.033	ug/l #	1
56) Ethyl methacrylate	10.650	69	57	5.977	ug/l #	28
59) 2-Hexanone	11.220	43	166	34.612	ug/l	72
68) m/p-Xylenes	11.844	106	16546	1.366	ug/l	88
71) Bromoform	12.626	173	5434	1.685	ug/l #	1
74) N-amyl acetate	12.279	43	255	5.731	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	239384	65.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	239384	140.255	ug/l #	18

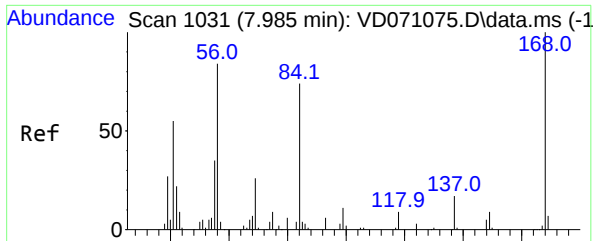
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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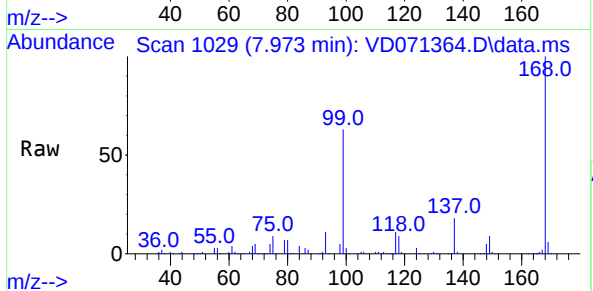
Quant Time: Dec 16 23:48:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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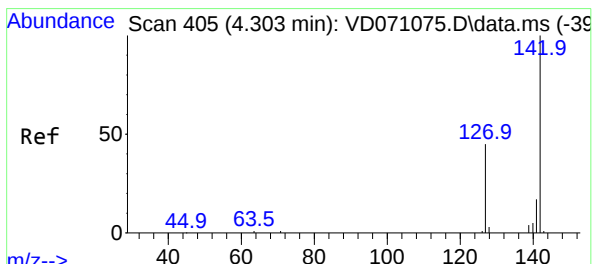
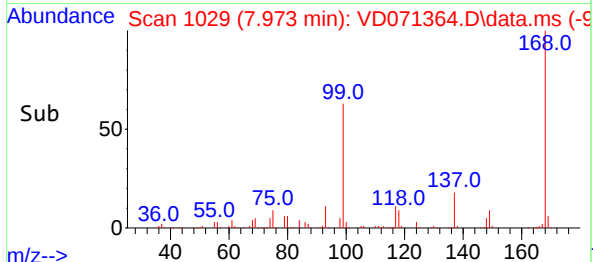
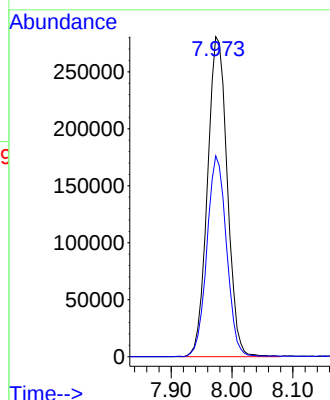


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Instrument :
MSVOA_D
ClientSampleId :

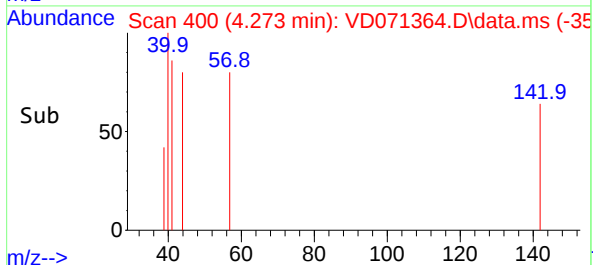
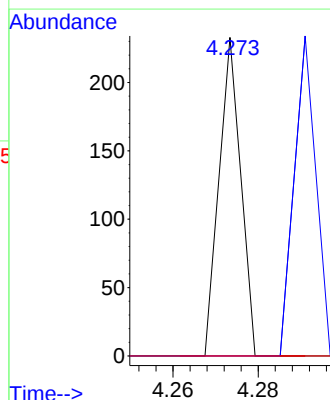
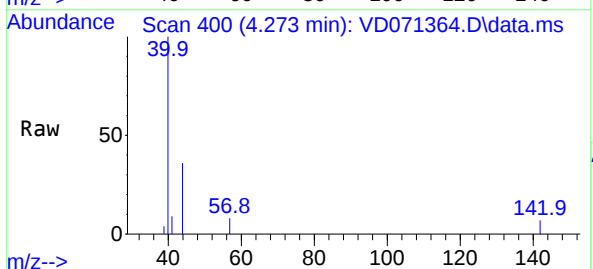


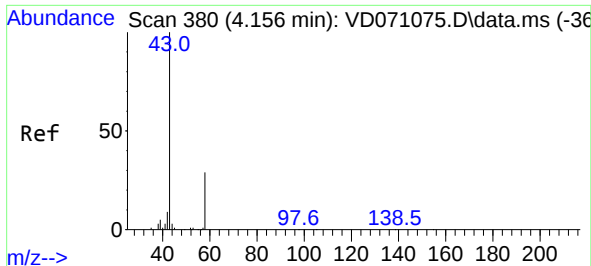
Tgt Ion:168 Resp: 634560
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.571 ug/l
RT: 4.273 min Scan# 400
Delta R.T. -0.030 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 101.2 35.0 52.4#
141 0.0 12.0 18.0#

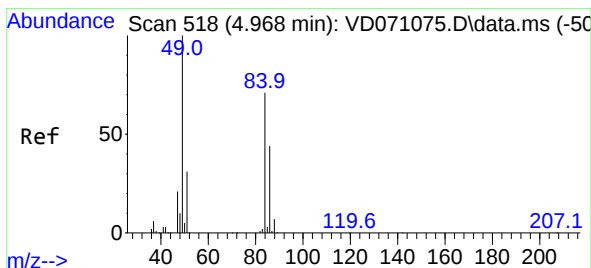
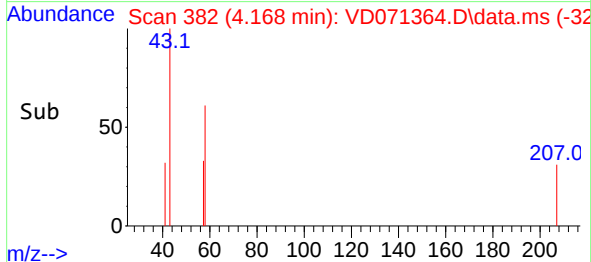
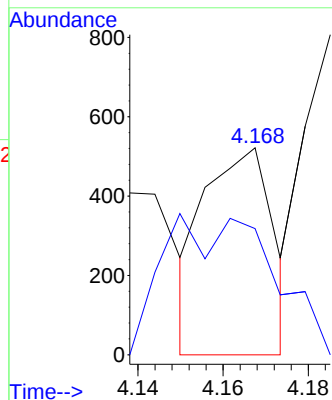
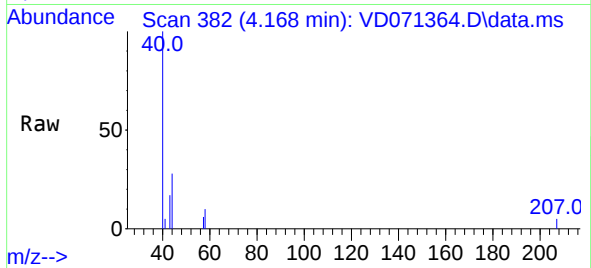




#16
Acetone
Concen: 31.056 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

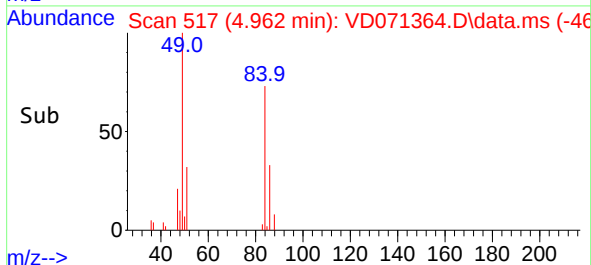
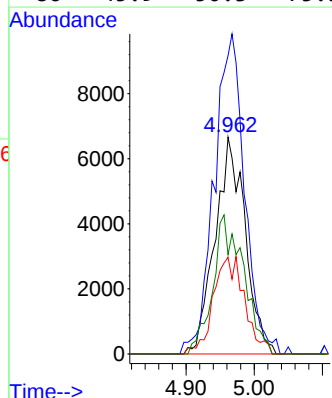
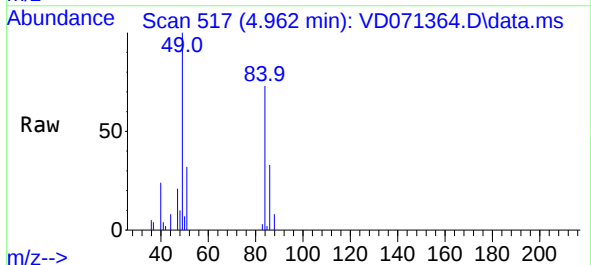
Instrument :
MSVOA_D
ClientSampleId :

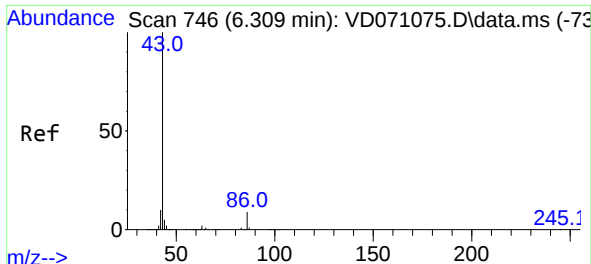
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
58 60.1 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion: 84 Resp: 20522
Ion Ratio Lower Upper
84 100
49 137.6 95.8 143.6
51 44.6 30.9 46.3
86 45.9 50.3 75.5#

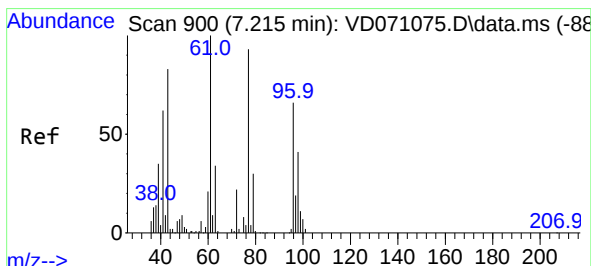
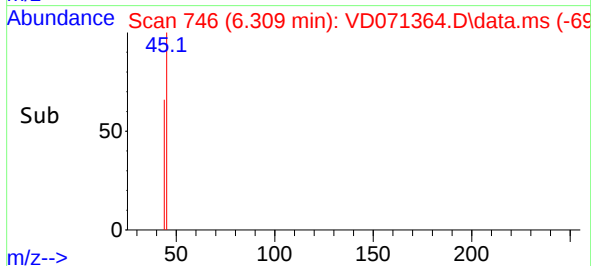
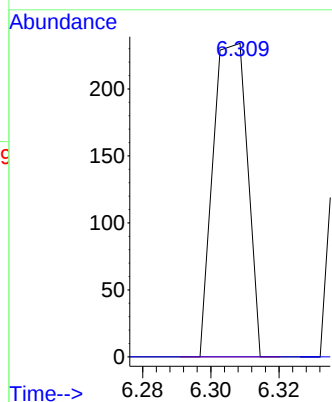
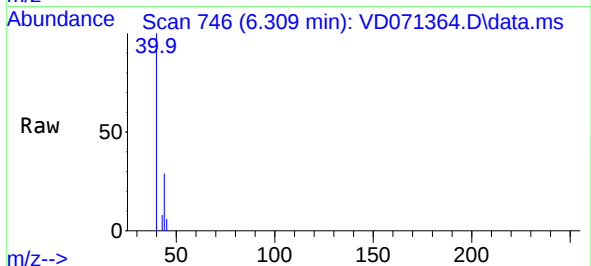




#23
 Vinyl Acetate
 Concen: 27.230 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD071364.D
 Acq: 16 Dec 2021 13:44

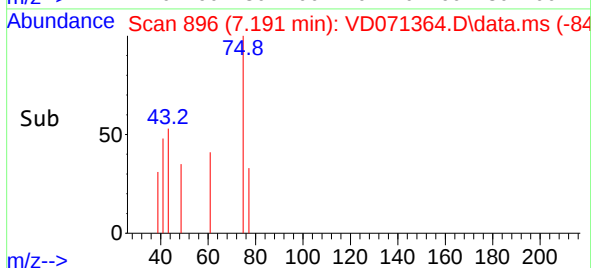
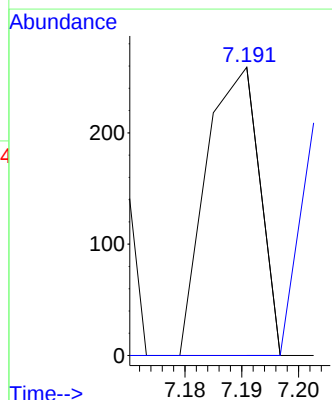
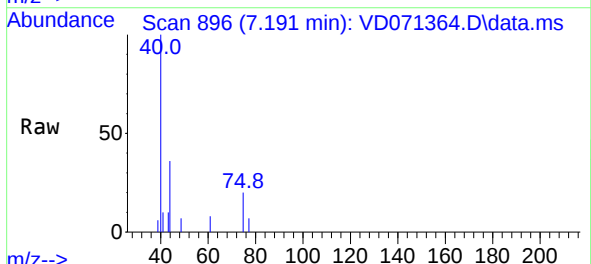
Instrument :
 MSVOA_D
 ClientSampleId :

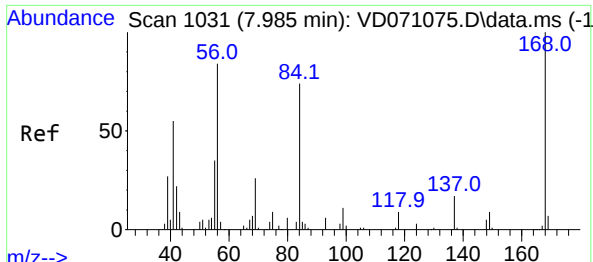
Tgt Ion: 43 Resp: 163
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.424 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071364.D
 Acq: 16 Dec 2021 13:44

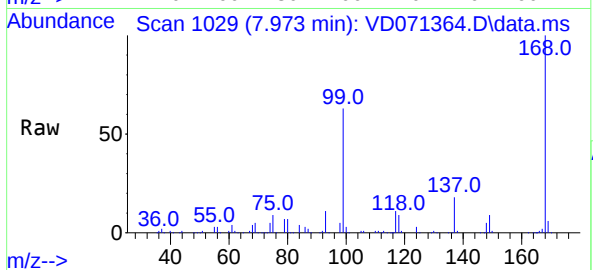
Tgt Ion: 43 Resp: 168
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



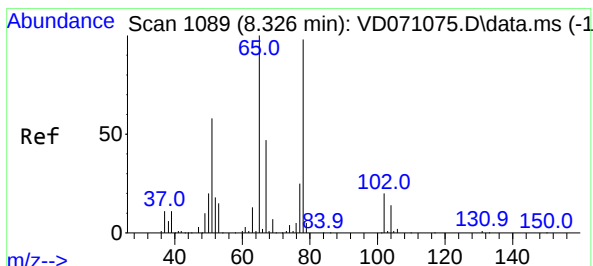
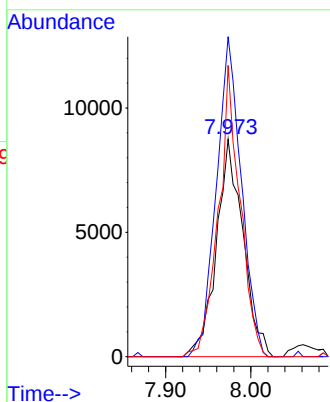
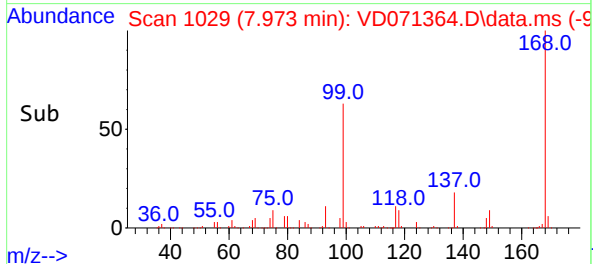


#31
Cyclohexane
Concen: 1.497 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

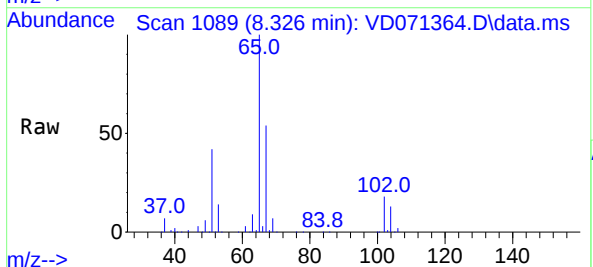
Instrument :
MSVOA_D
ClientSampleId :



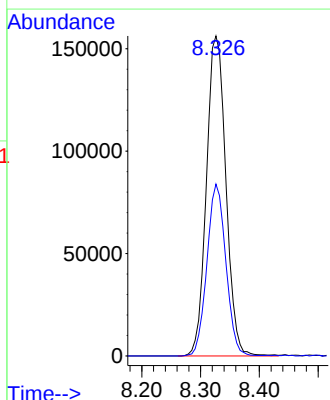
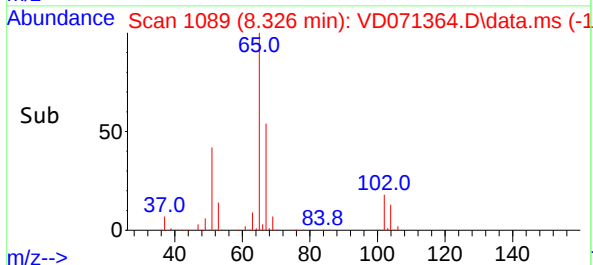
Tgt Ion: 56 Resp: 18954
Ion Ratio Lower Upper
56 100
69 147.2 25.9 38.9#
84 133.9 64.3 96.5#

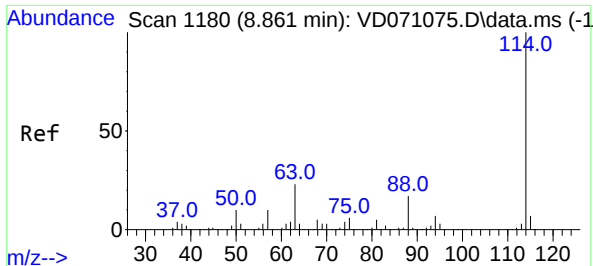


#33
1,2-Dichloroethane-d4
Concen: 48.247 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44



Tgt Ion: 65 Resp: 359236
Ion Ratio Lower Upper
65 100
67 52.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071364.D

Acq: 16 Dec 2021 13:44

Instrument :

MSVOA_D

ClientSampleId :

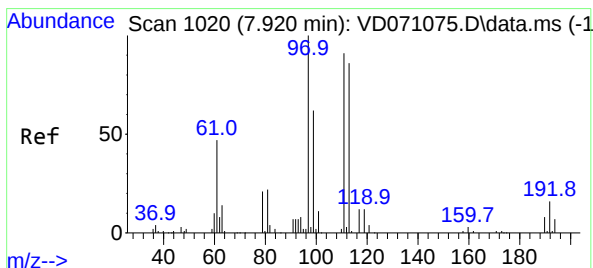
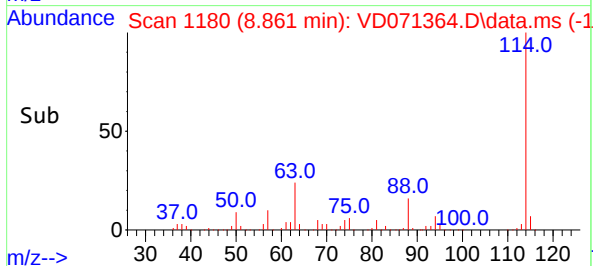
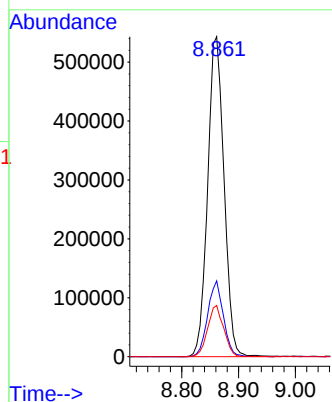
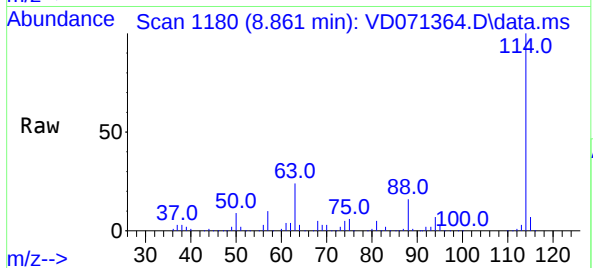
Tgt Ion:114 Resp: 1084861

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.425 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071364.D

Acq: 16 Dec 2021 13:44

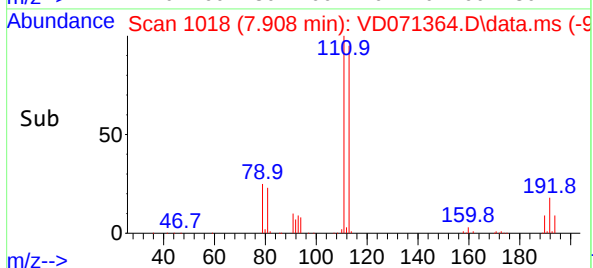
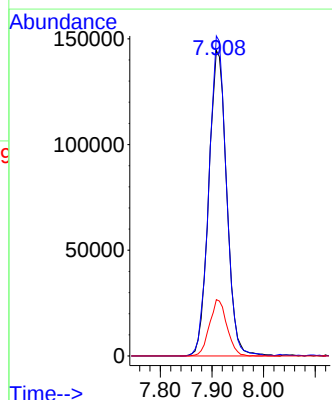
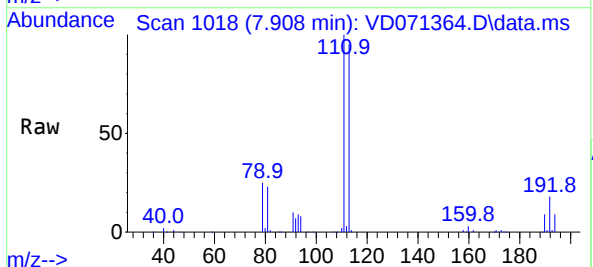
Tgt Ion:113 Resp: 348348

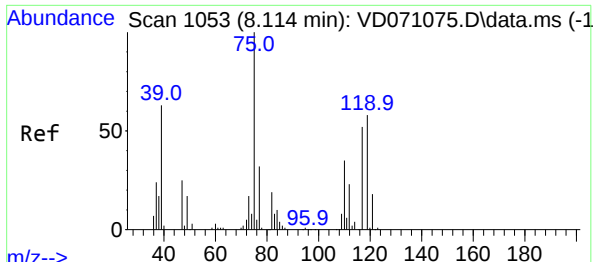
Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 17.9 15.2 22.8

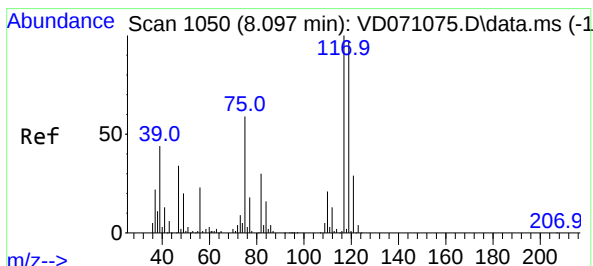
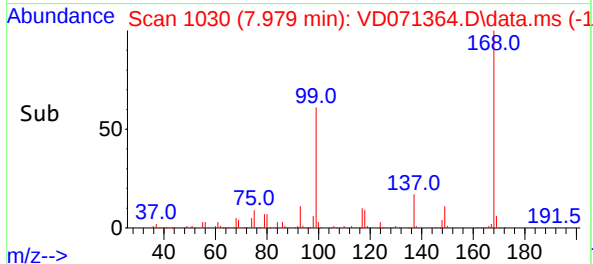
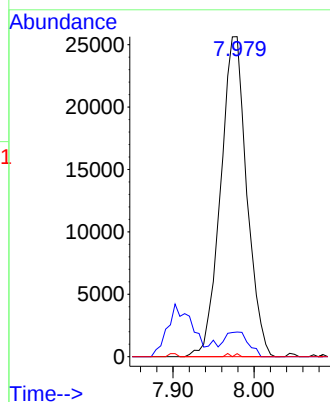
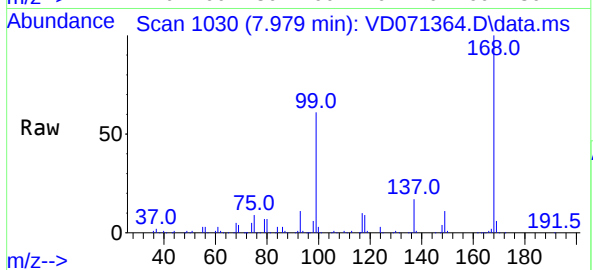




#36
1,1-Dichloropropene
Concen: 5.668 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

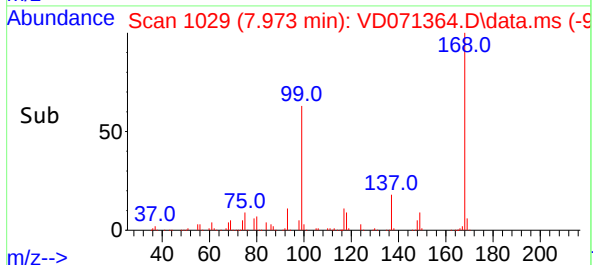
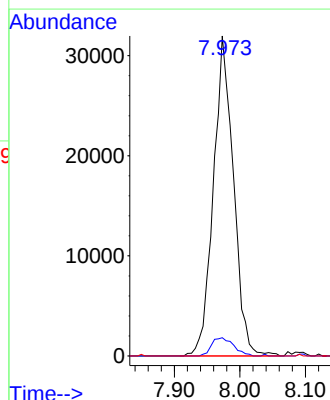
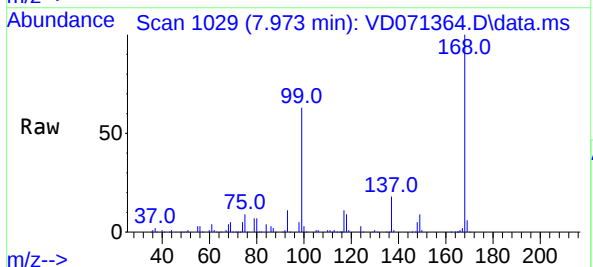
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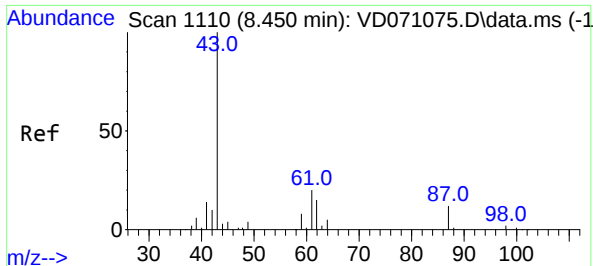
Tgt Ion: 75 Resp: 57474
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.4#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.806 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion: 117 Resp: 68029
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 23.6 35.4#

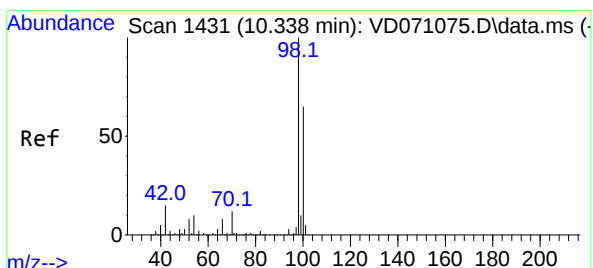
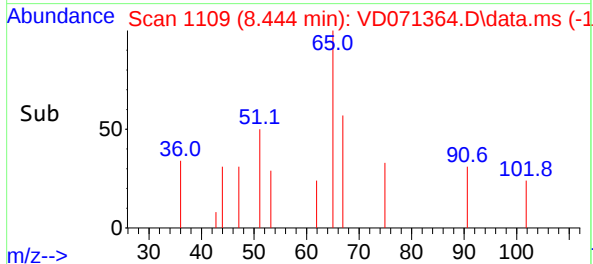
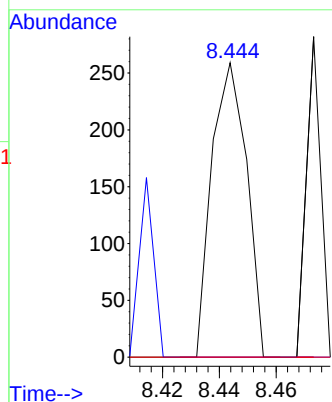
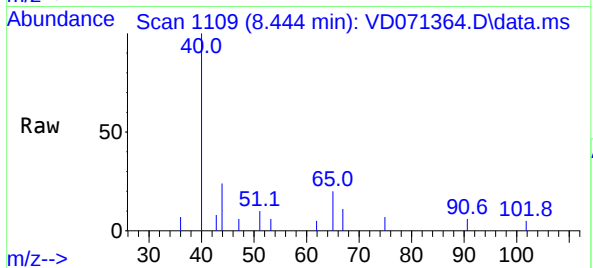




#43
Isopropyl Acetate
Concen: 5.243 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

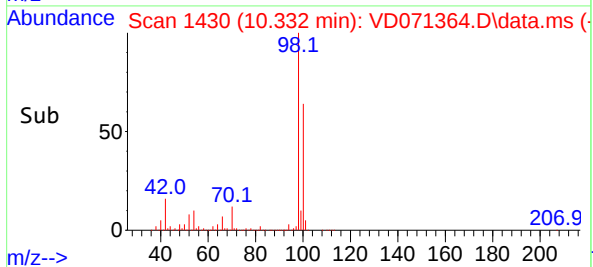
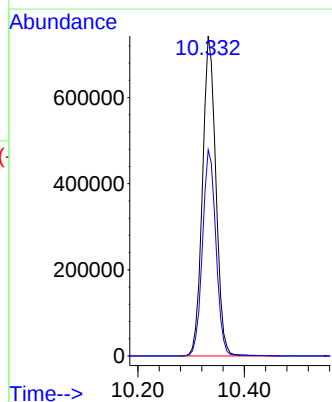
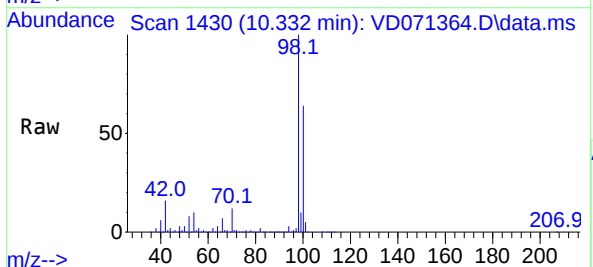
Instrument :
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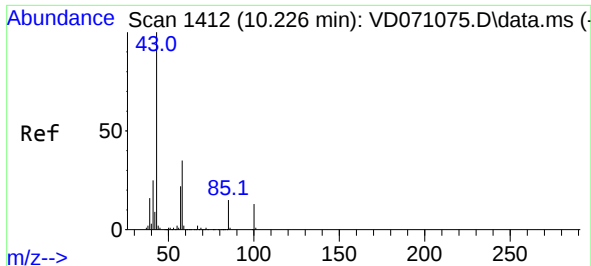
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 49.218 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion: 98 Resp: 1293929
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 32.033 ug/l

RT: 10.326 min Scan# 1412

Delta R.T. 0.100 min

Lab File: VD071364.D

Acq: 16 Dec 2021 13:44

Instrument :

MSVOA_D

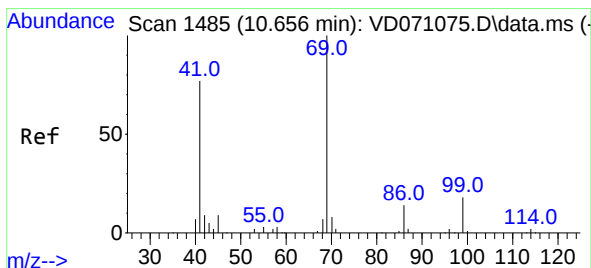
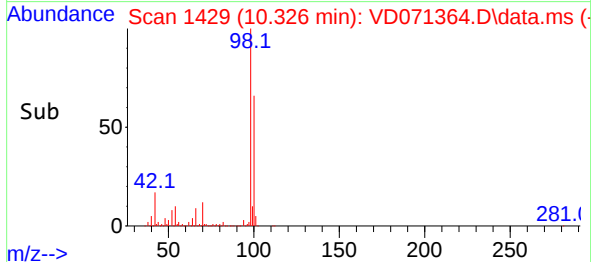
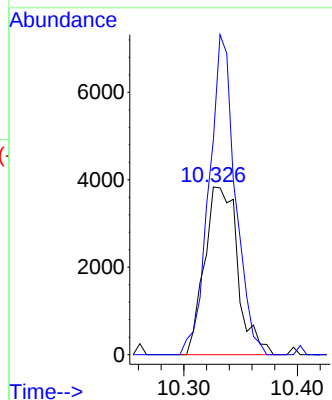
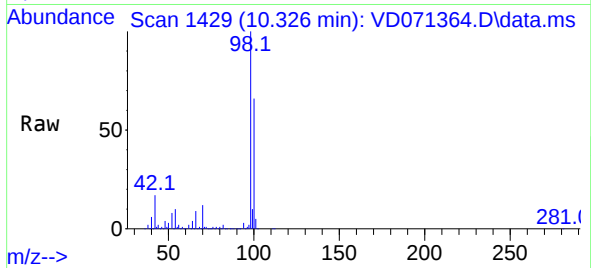
ClientSampleId :

Tgt Ion: 43 Resp: 7774

Ion Ratio Lower Upper

43 100

58 151.6 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.977 ug/l

RT: 10.650 min Scan# 1484

Delta R.T. -0.006 min

Lab File: VD071364.D

Acq: 16 Dec 2021 13:44

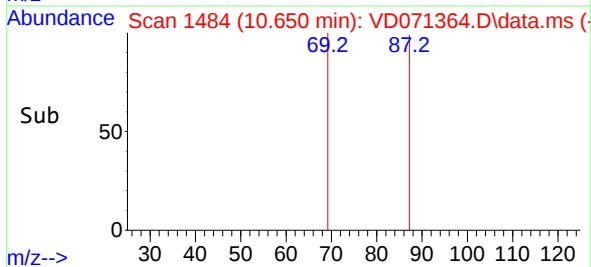
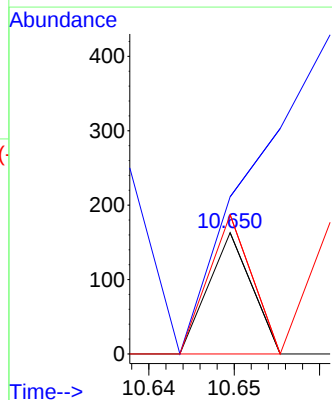
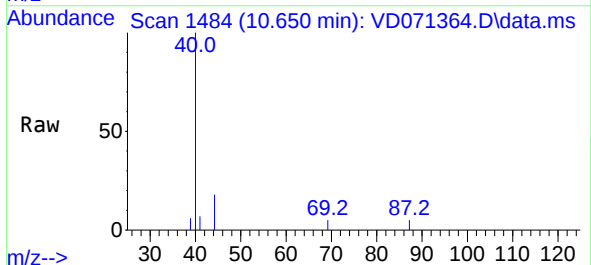
Tgt Ion: 69 Resp: 57

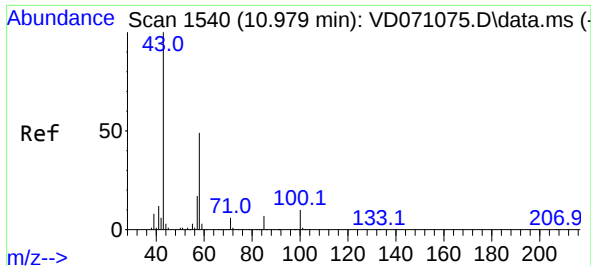
Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

39 0.0 19.8 29.8#

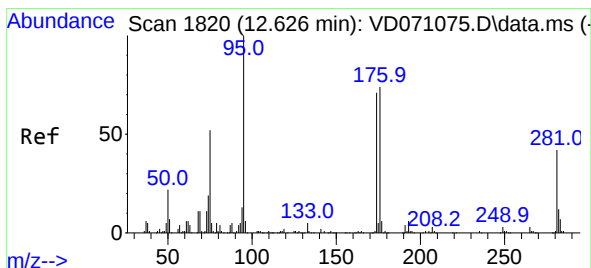
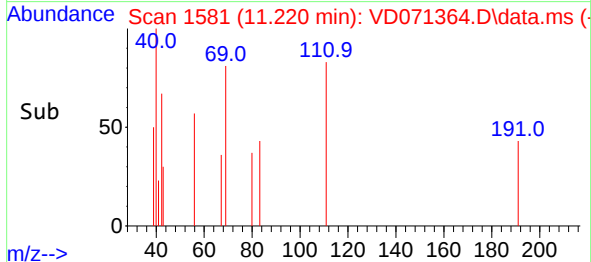
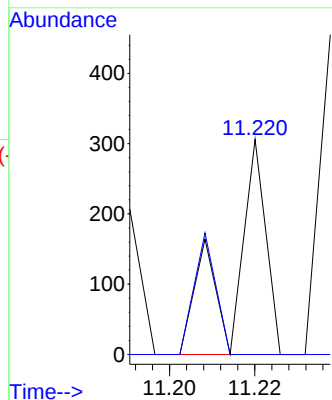
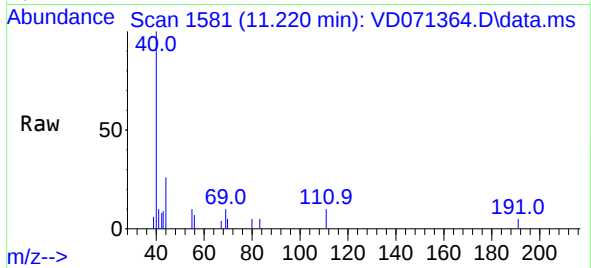




#59
2-Hexanone
Concen: 34.612 ug/l
RT: 11.220 min Scan# 1119
Delta R.T. 0.241 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

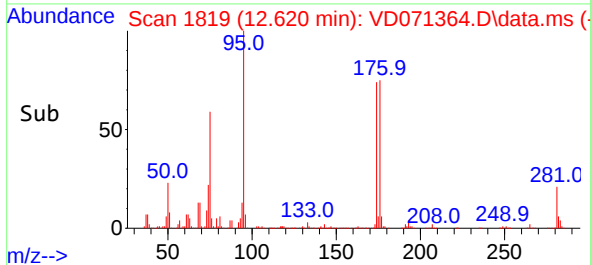
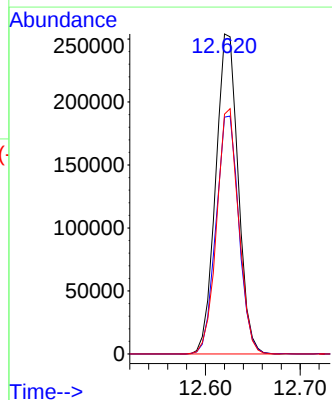
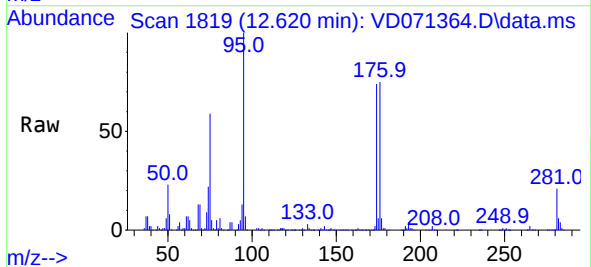
Instrument :
MSVOA_D
ClientSampleId :

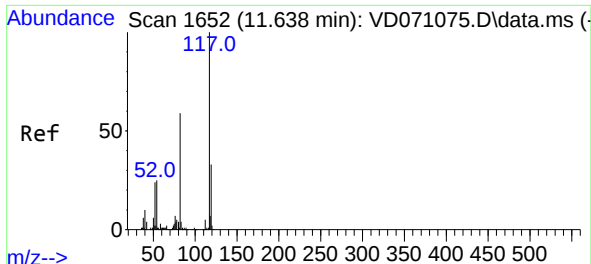
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 36.7 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 45.985 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion: 95 Resp: 419057
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 74.8 0.0 154.0

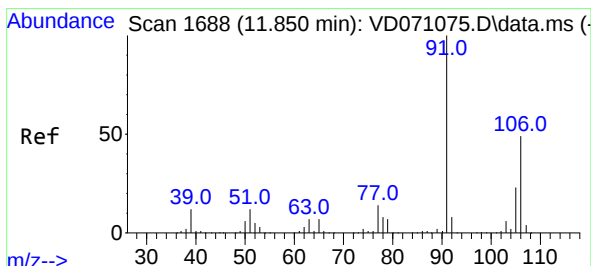
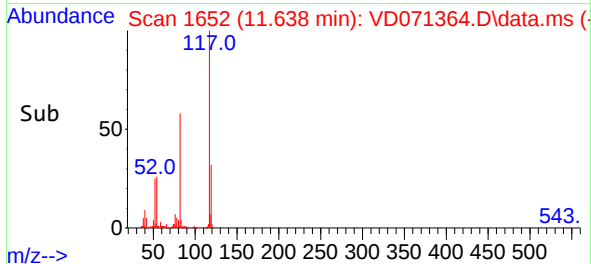
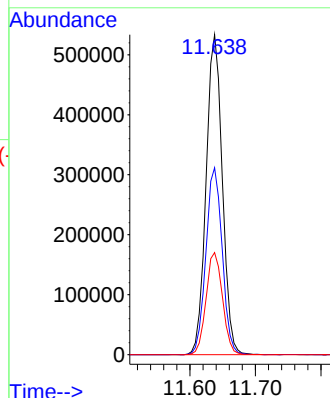
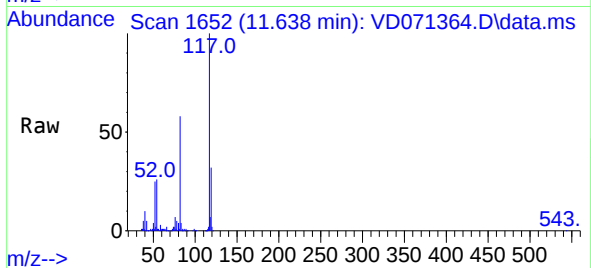




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

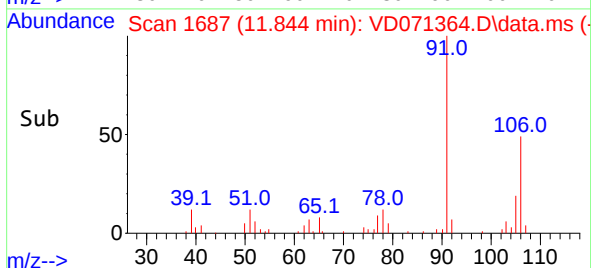
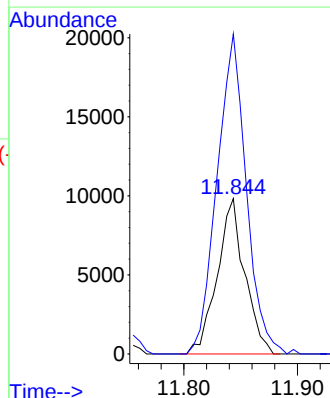
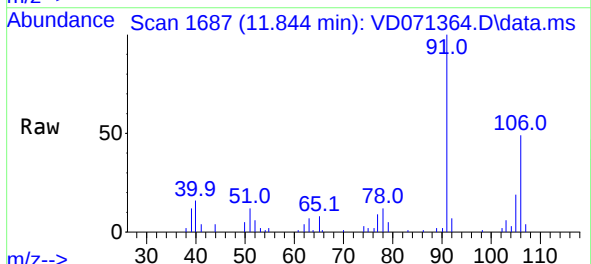
Instrument :
MSVOA_D
ClientSampleId :

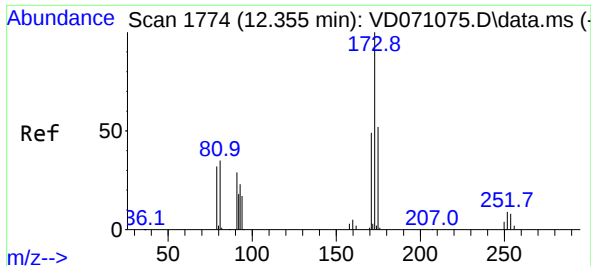
Tgt Ion:117 Resp: 918679
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 31.9 26.2 39.4



#68
m/p-Xylenes
Concen: 1.366 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Tgt Ion:106 Resp: 16546
Ion Ratio Lower Upper
106 100
91 218.9 160.1 240.1

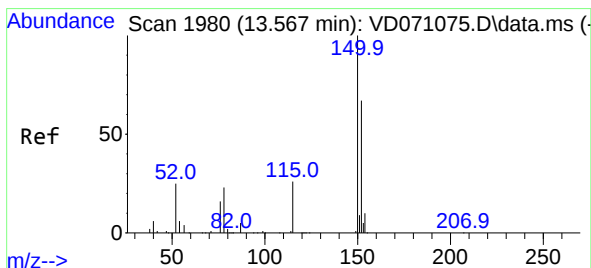
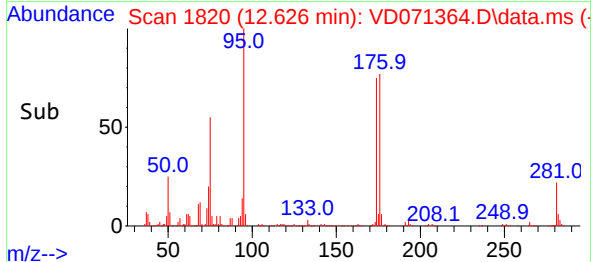
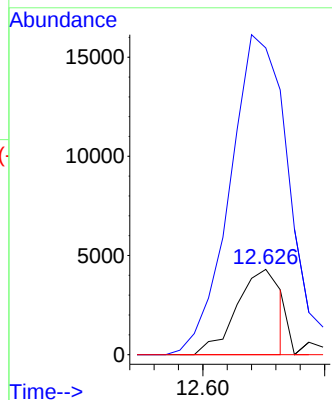
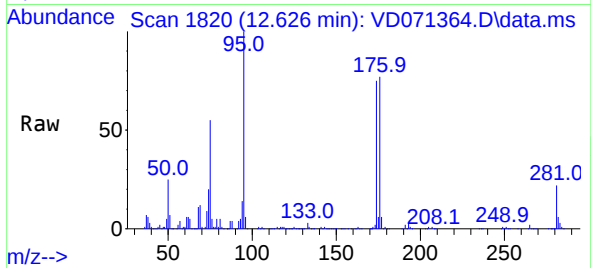




#71
Bromoform
Concen: 1.685 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

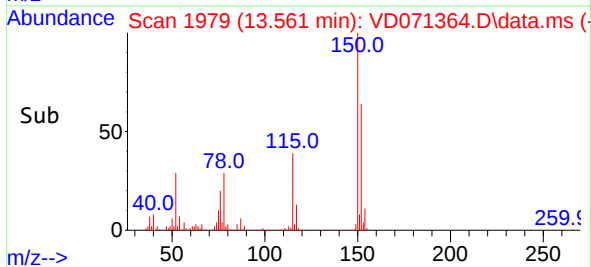
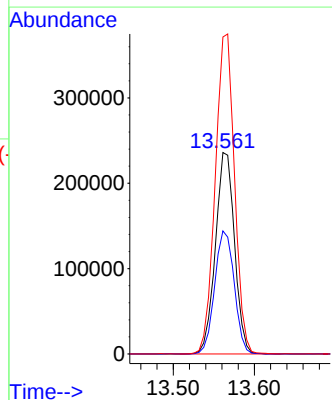
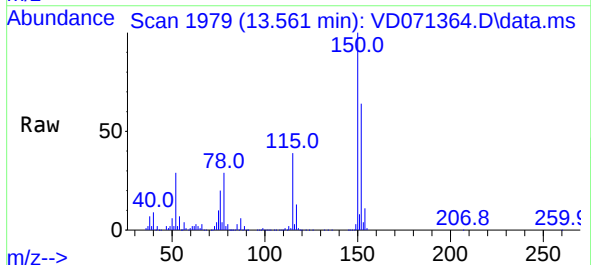
Instrument :
MSVOA_D
ClientSampleId :

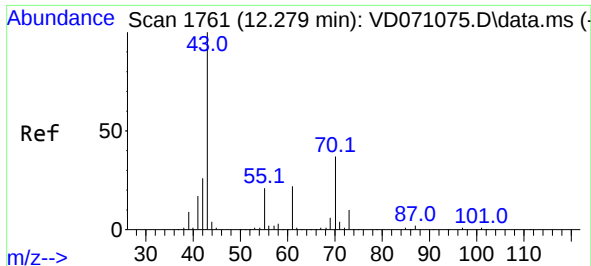
Tgt Ion:173 Resp: 5434
Ion Ratio Lower Upper
173 100
175 431.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

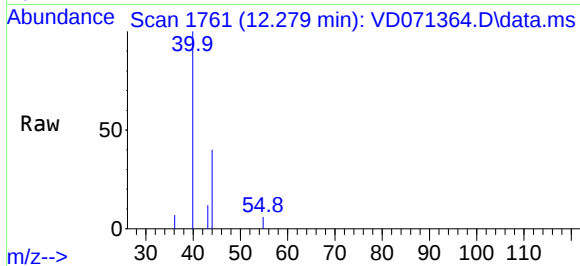
Tgt Ion:152 Resp: 386526
Ion Ratio Lower Upper
152 100
115 62.3 29.8 89.3
150 160.3 0.0 349.2



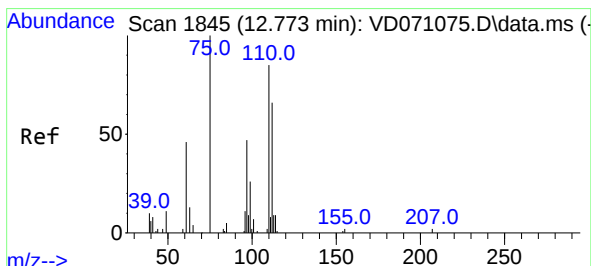
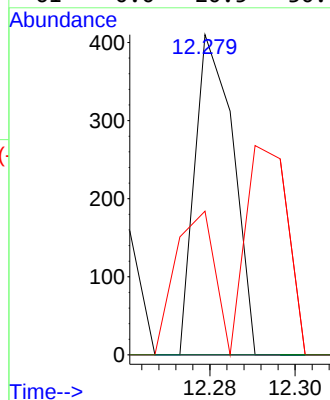
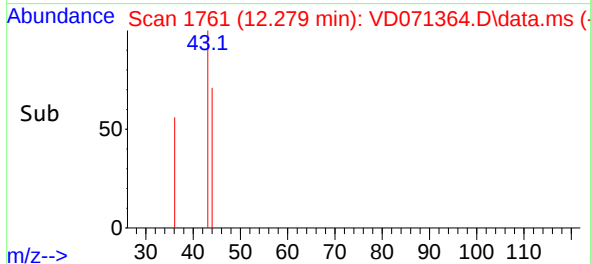


#74
N-amy1 acetate
Concen: 5.731 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

Instrument :
MSVOA_D
ClientSampleId :

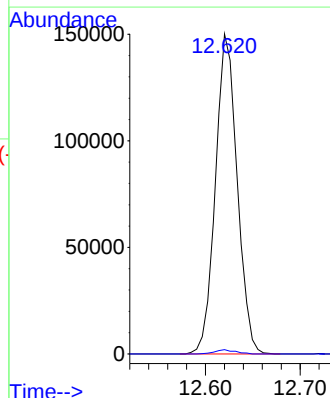
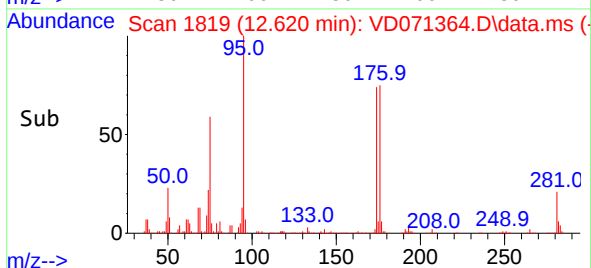
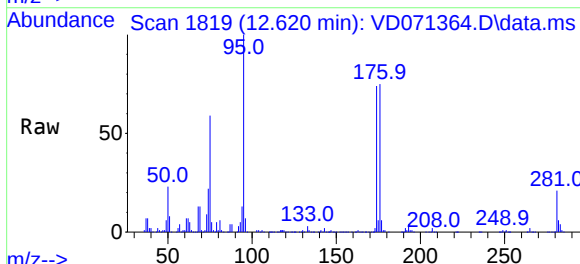


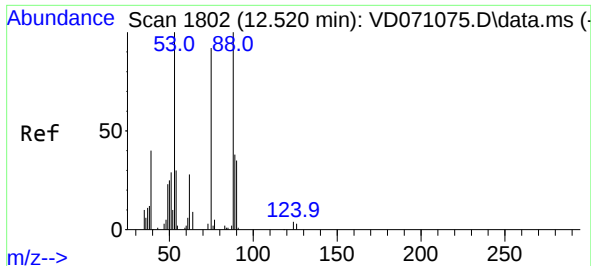
Tgt Ion: 43	Resp: 255
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 46.3	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 65.003 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071364.D
Acq: 16 Dec 2021 13:44

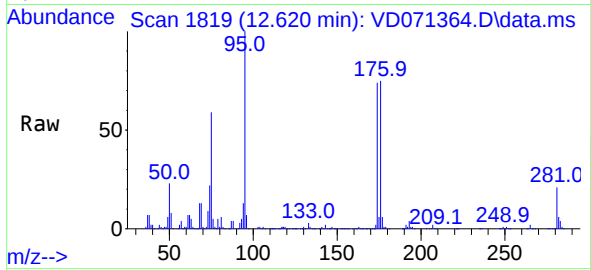
Tgt Ion: 75	Resp: 239384
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.255 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD071364.D
 Acq: 16 Dec 2021 13:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 239384
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

