

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
 Data File : VD075621.D
 Acq On : 11 Apr 2023 15:12
 Operator : KP/SY
 Sample : VD0411SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBL01

Quant Time: Apr 12 02:55:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 18:54:55 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

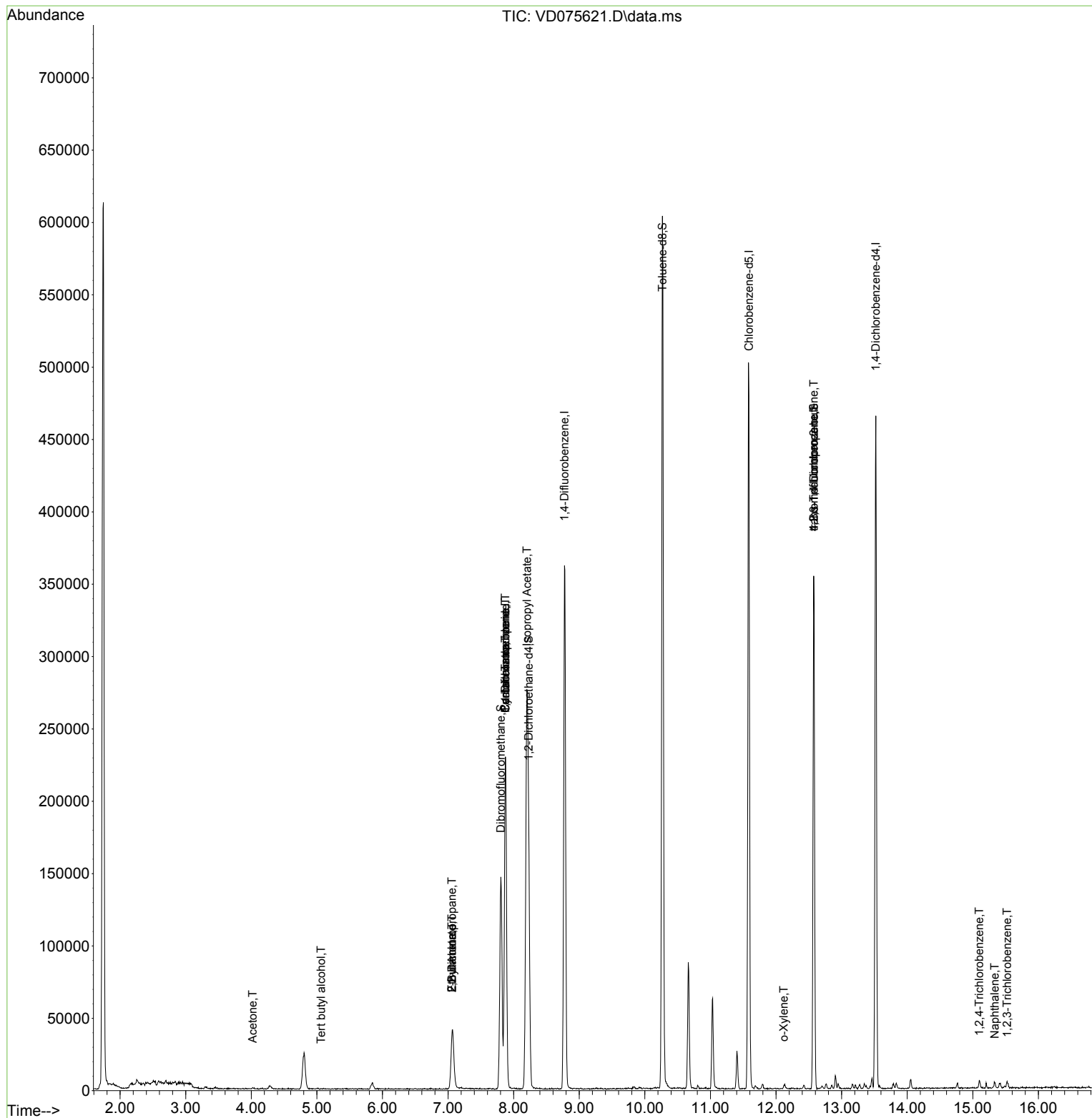
Internal Standards						
1) Pentafluorobenzene	7.875	168	188538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	353575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	317744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	131640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91191	58.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.920%
35) Dibromofluoromethane	7.805	113	111632	53.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.740%
50) Toluene-d8	10.269	98	454735	55.948	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.900%
62) 4-Bromofluorobenzene	12.575	95	110383	43.523	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	727	Below Cal	#	40
11) Tert butyl alcohol	5.063	59	76	1.039	ug/l #	100
16) Acetone	4.022	43	1195	4.240	ug/l #	64
20) Methylene Chloride	4.805	84	22222	Below Cal	#	69
25) 2-Butanone	7.057	43	1317	3.601	ug/l #	50
26) 2,2-Dichloropropane	7.057	77	3258	1.112	ug/l #	54
31) Cyclohexane	7.875	56	4114	1.828	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	14586	5.512	ug/l #	50
37) Ethyl Acetate	7.057	43	1317	1.655	ug/l #	80
38) Carbon Tetrachloride	7.875	117	17997	7.091	ug/l #	17
43) Isopropyl Acetate	8.204	43	4525	2.979	ug/l #	1
69) o-Xylene	12.116	106	582	1.349	ug/l	95
76) 1,2,3-Trichloropropane	12.575	75	54209	52.618	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54209	120.594	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.098	180	2098	1.066	ug/l	84
95) Naphthalene	15.334	128	4364	1.168	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.522	180	1913	1.097	ug/l	81

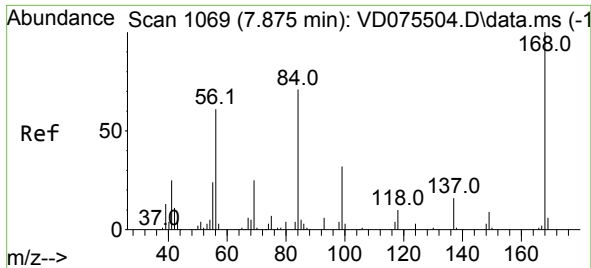
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 11 18:54:55 2023
Response via : Initial Calibration

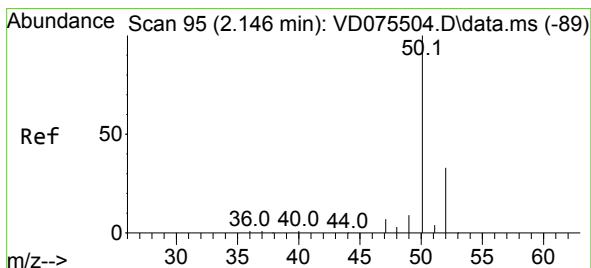
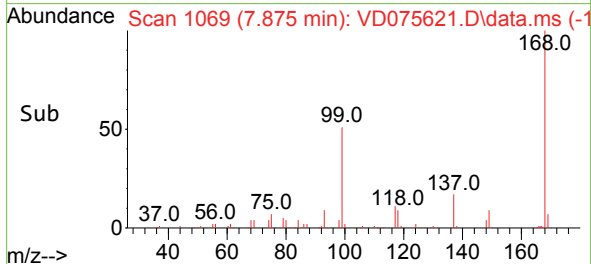
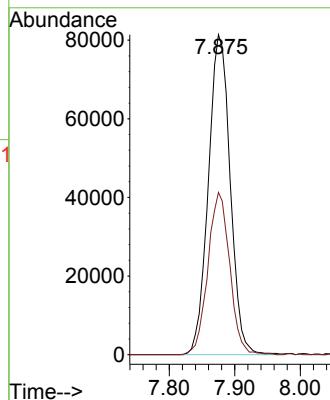
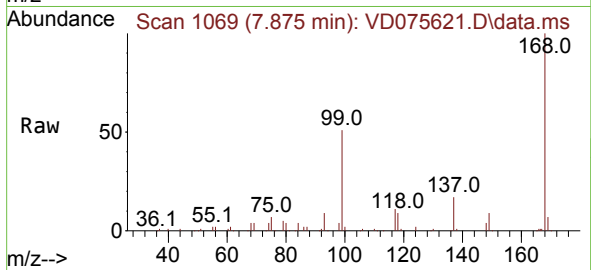




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

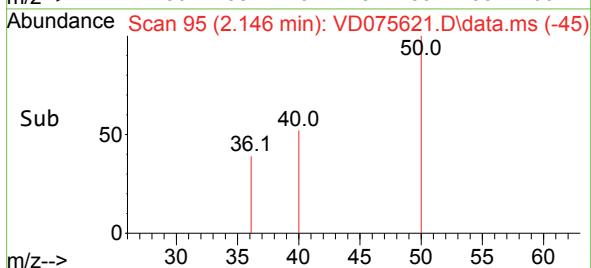
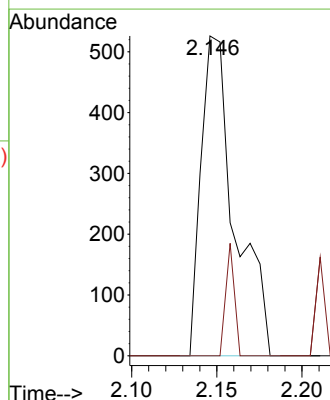
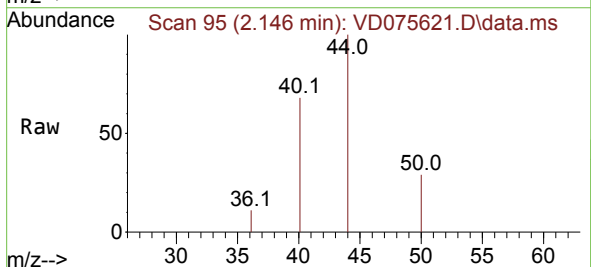
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

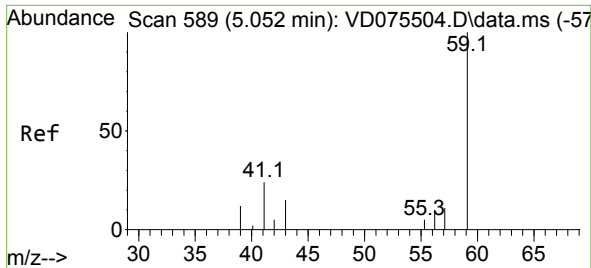
Tgt Ion:168 Resp: 188538
Ion Ratio Lower Upper
168 100
99 50.7 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion: 50 Resp: 727
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

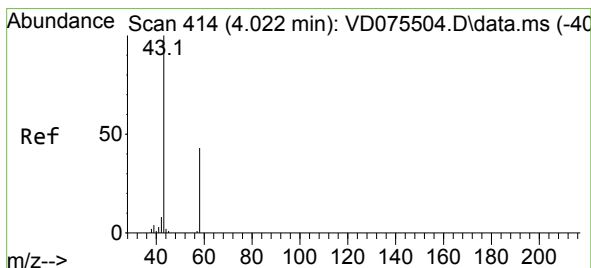
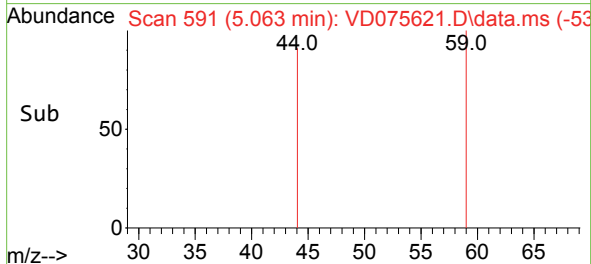
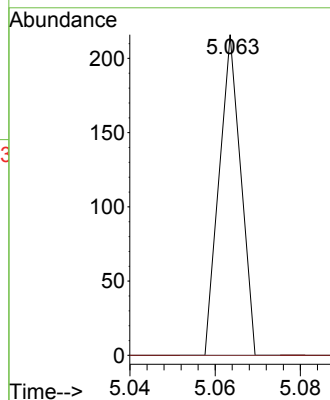
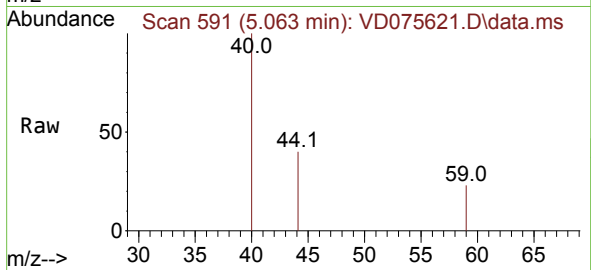




#11
Tert butyl alcohol
Concen: 1.039 ug/l
RT: 5.063 min Scan# 591
Delta R.T. 0.005 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

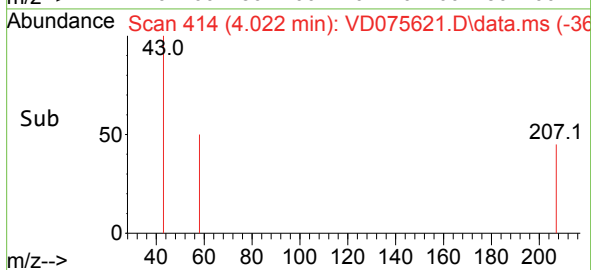
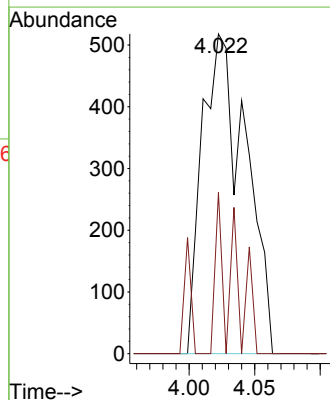
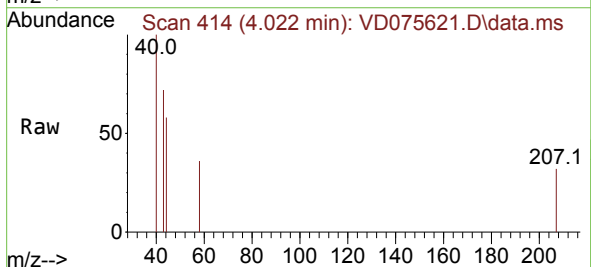
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

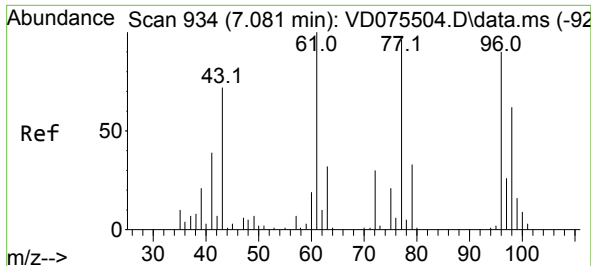
Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 4.240 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 50.4 24.4 36.6#





#25

2-Butanone

Concen: 3.601 ug/l

RT: 7.057 min Scan# 91

Delta R.T. -0.024 min

Lab File: VD075621.D

Acq: 11 Apr 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

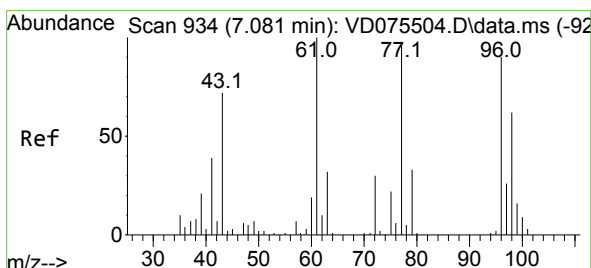
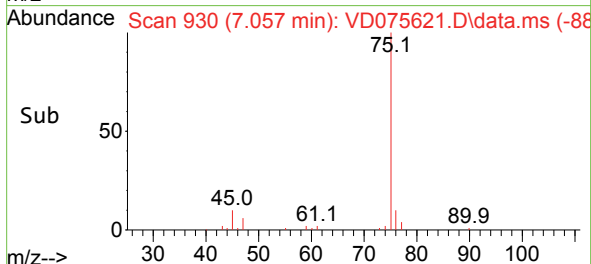
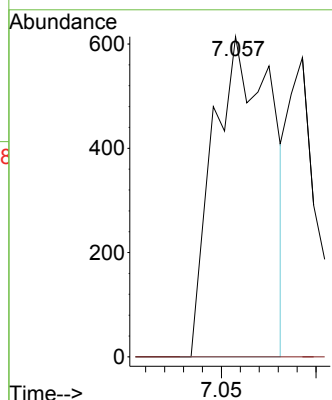
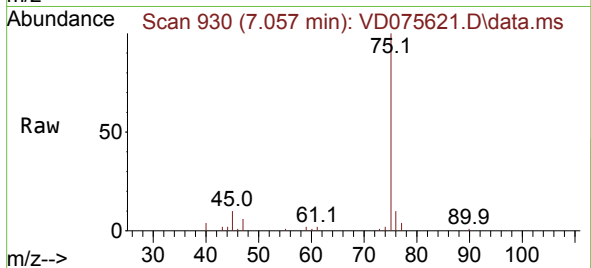
VD0411SBL01

Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.8#



#26

2,2-Dichloropropane

Concen: 1.112 ug/l

RT: 7.057 min Scan# 930

Delta R.T. -0.024 min

Lab File: VD075621.D

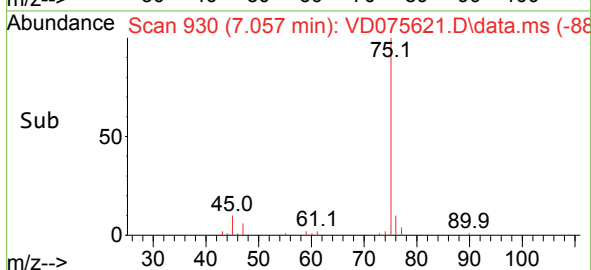
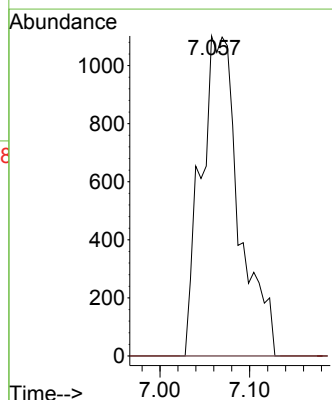
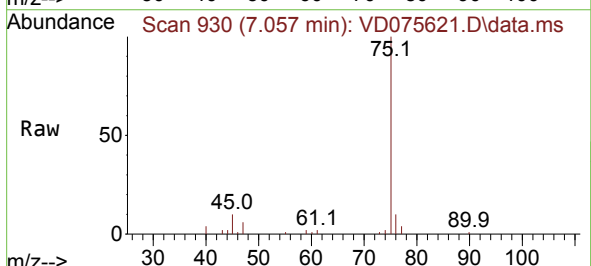
Acq: 11 Apr 2023 15:12

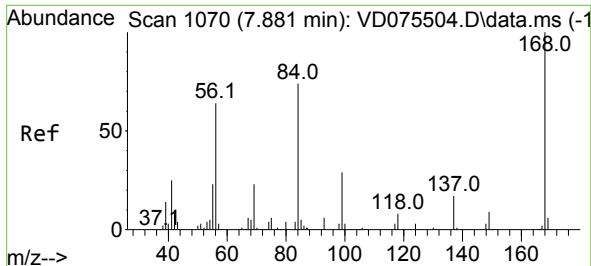
Tgt Ion: 77 Resp: 3258

Ion Ratio Lower Upper

77 100

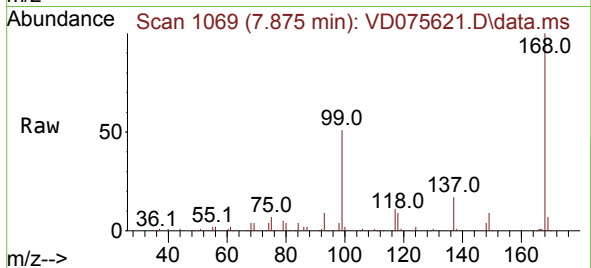
97 0.0 11.1 33.1#



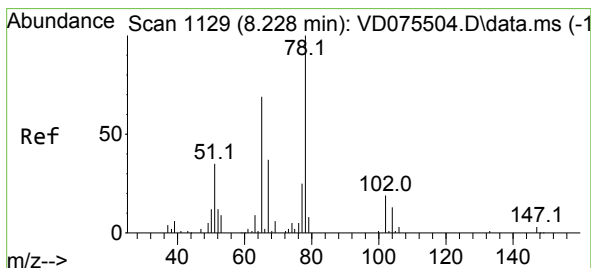
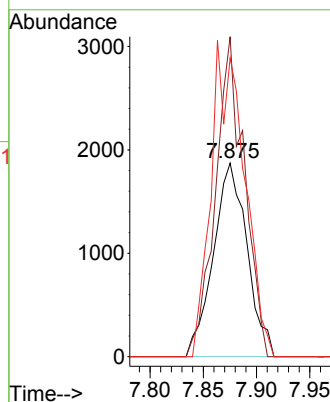
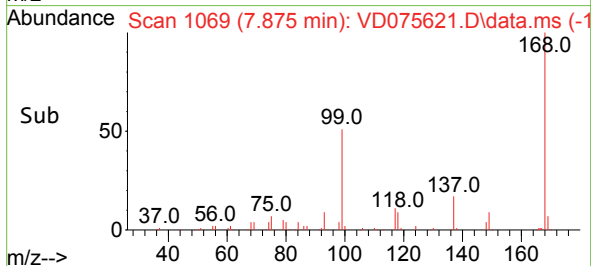


#31
Cyclohexane
Concen: 1.828 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

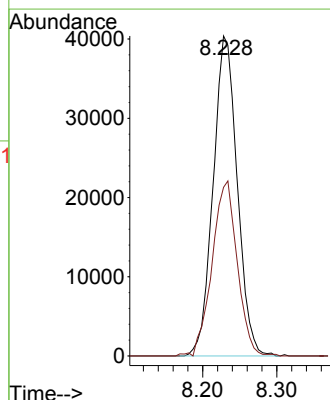
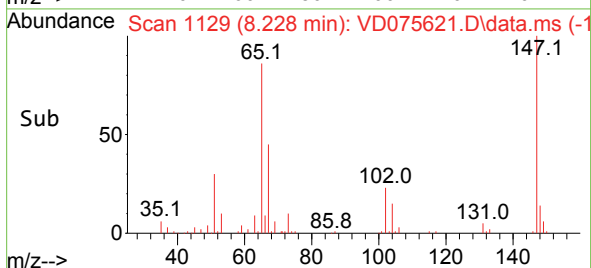
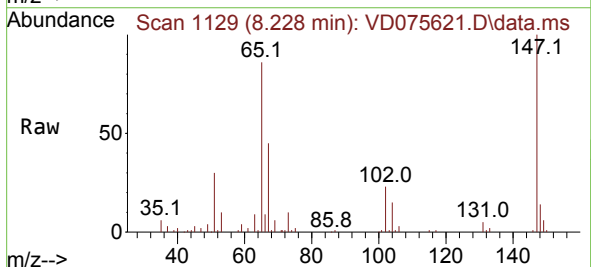


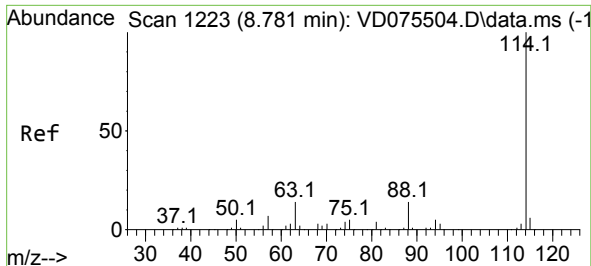
Tgt Ion: 56 Resp: 4114
Ion Ratio Lower Upper
56 100
69 165.3 25.5 38.3#
84 154.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 58.959 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion: 65 Resp: 91191
Ion Ratio Lower Upper
65 100
67 57.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075621.D

Acq: 11 Apr 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBL01

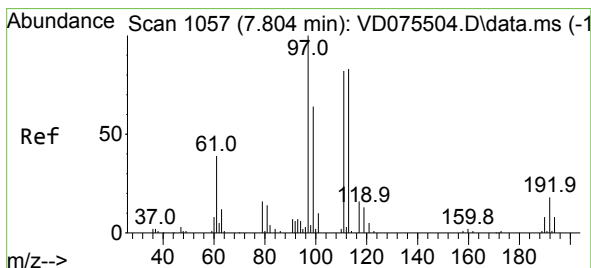
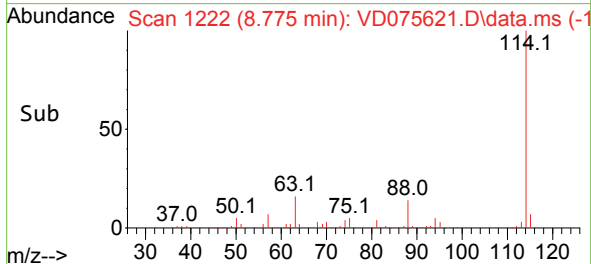
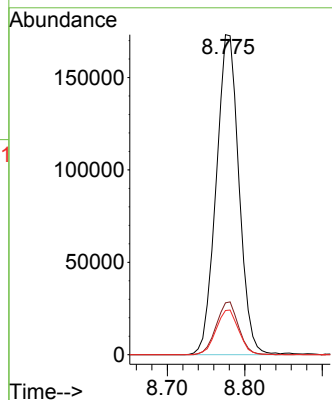
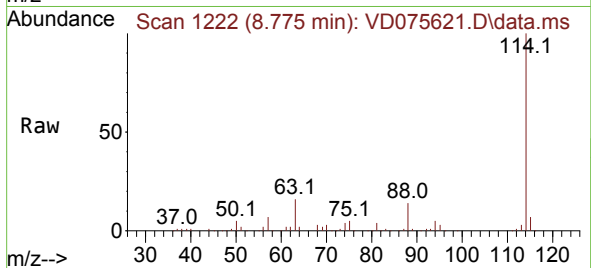
Tgt Ion:114 Resp: 353575

Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.872 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075621.D

Acq: 11 Apr 2023 15:12

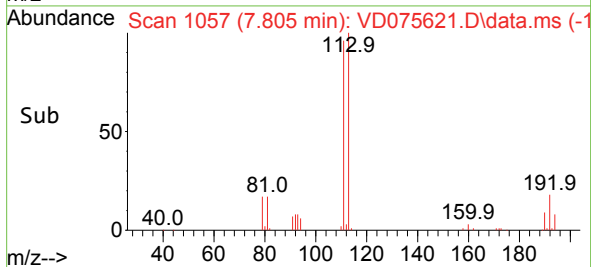
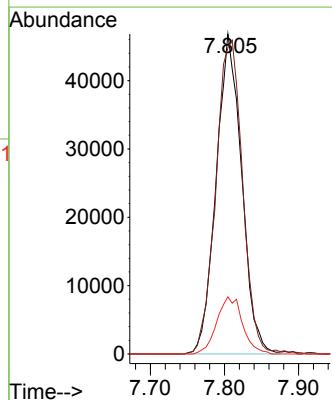
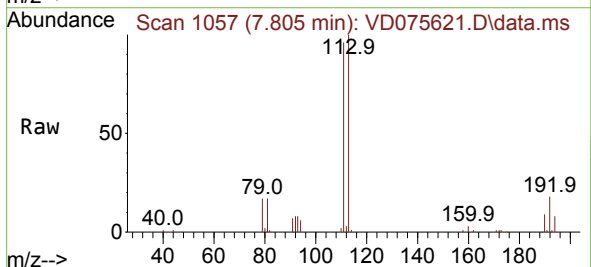
Tgt Ion:113 Resp: 111632

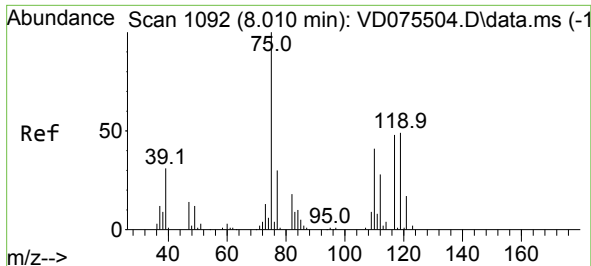
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.1 15.2 22.8

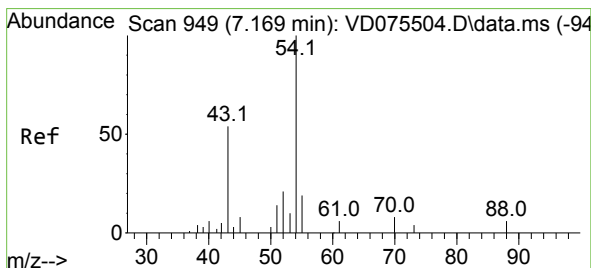
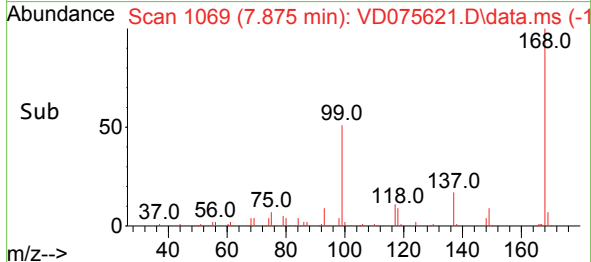
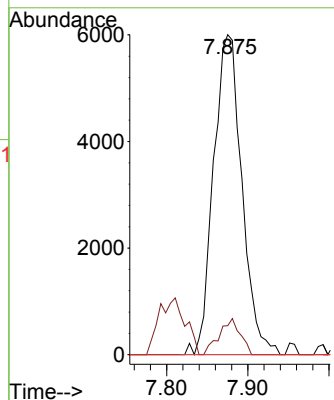
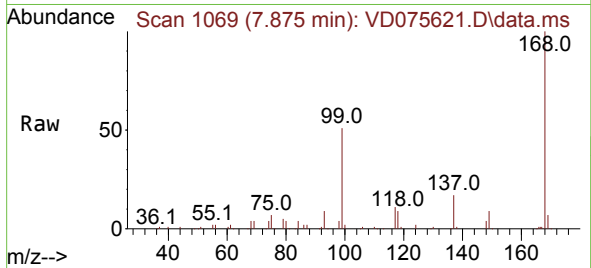




#36
1,1-Dichloropropene
Concen: 5.512 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

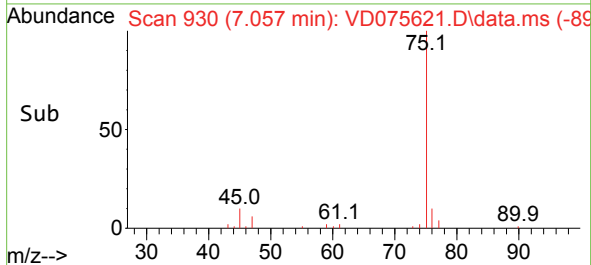
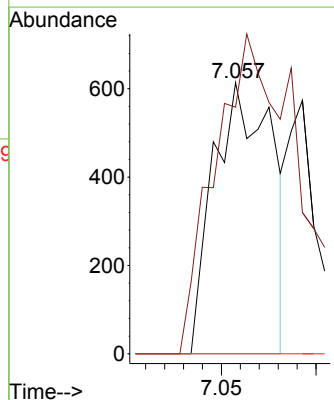
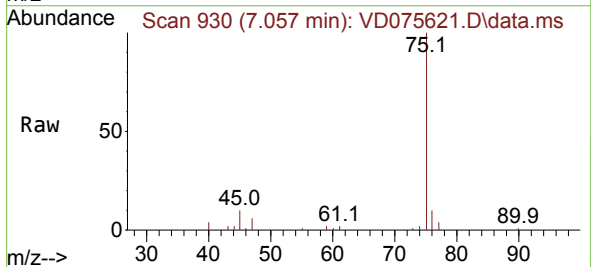
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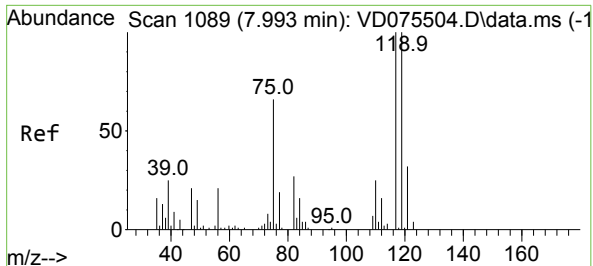
Tgt Ion: 75 Resp: 14586
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.655 ug/l
RT: 7.057 min Scan# 930
Delta R.T. -0.112 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

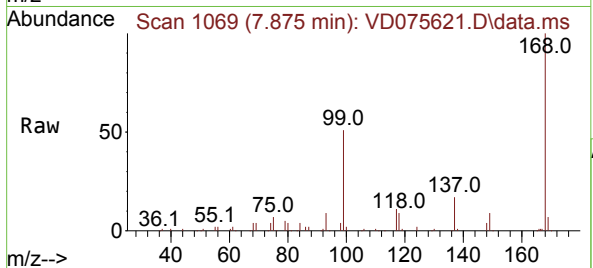
Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
61 160.6 0.0 0.0#
70 0.0 5.6 8.4#



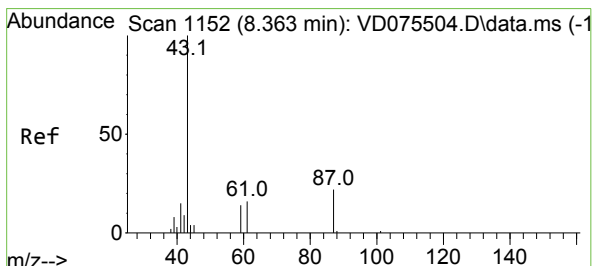
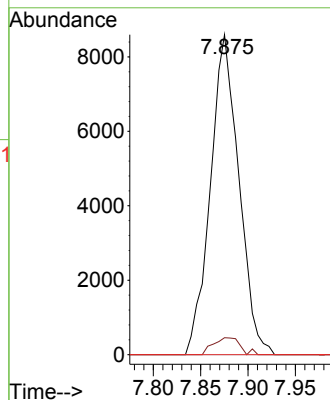
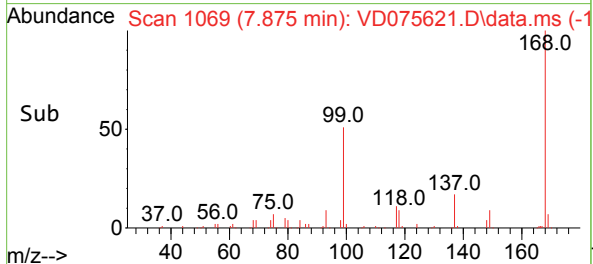


#38
Carbon Tetrachloride
Concen: 7.091 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

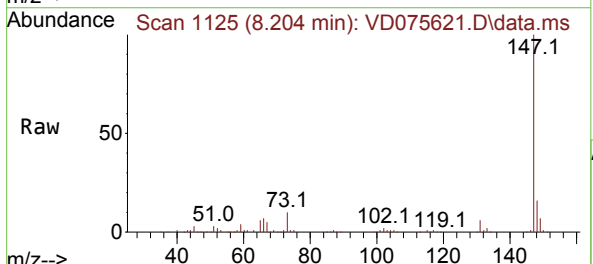
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01



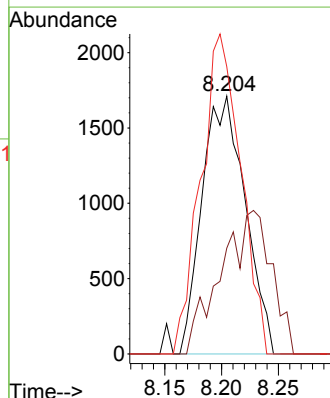
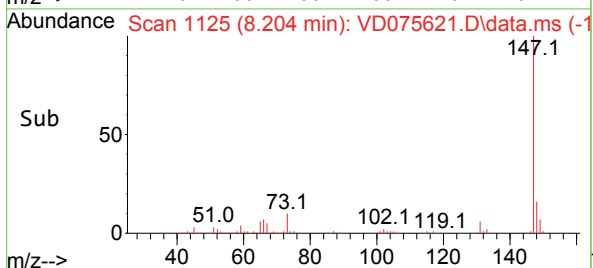
Tgt Ion:117 Resp: 17997
Ion Ratio Lower Upper
117 100
119 5.3 74.7 112.1#
121 0.0 25.9 38.9#

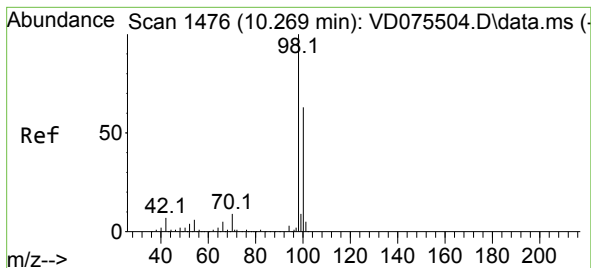


#43
Isopropyl Acetate
Concen: 2.979 ug/l
RT: 8.204 min Scan# 1125
Delta R.T. -0.159 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12



Tgt Ion: 43 Resp: 4525
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 114.7 9.5 14.3#





#50

Toluene-d8

Concen: 55.948 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075621.D

Acq: 11 Apr 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

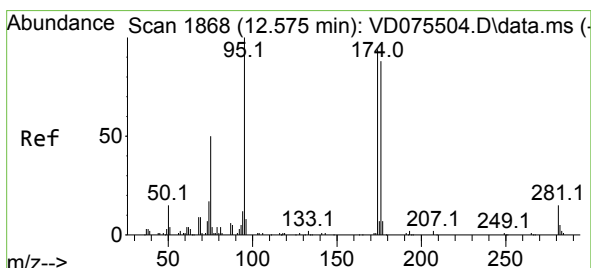
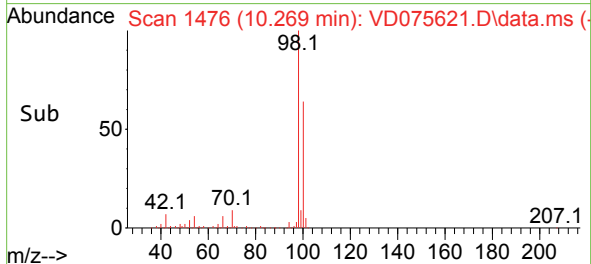
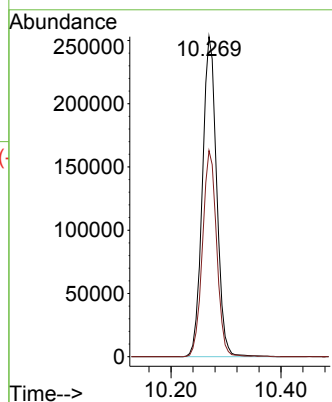
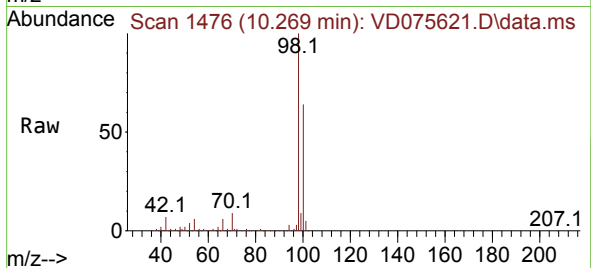
VD0411SBL01

Tgt Ion: 98 Resp: 454735

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 43.523 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075621.D

Acq: 11 Apr 2023 15:12

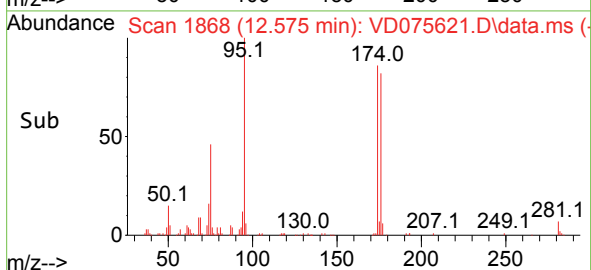
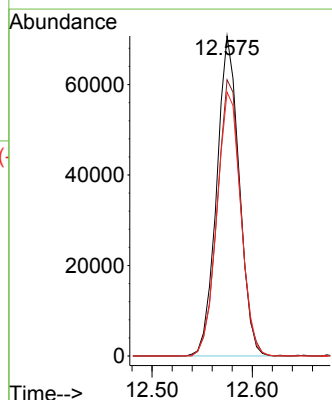
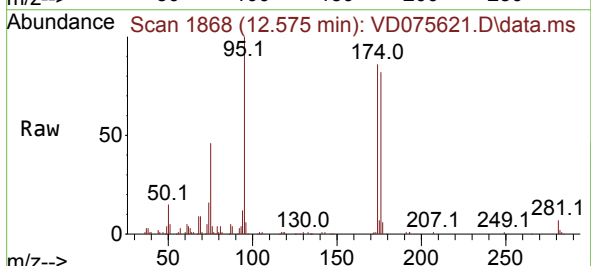
Tgt Ion: 95 Resp: 110383

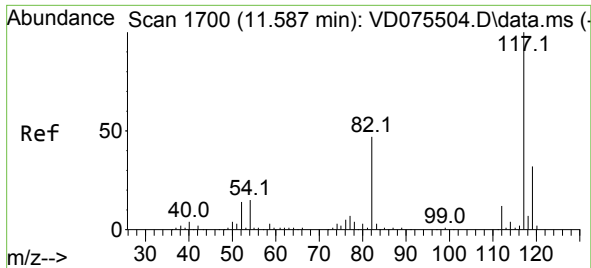
Ion Ratio Lower Upper

95 100

174 89.4 0.0 164.0

176 87.0 0.0 156.8

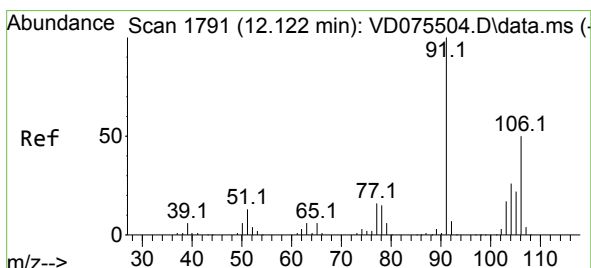
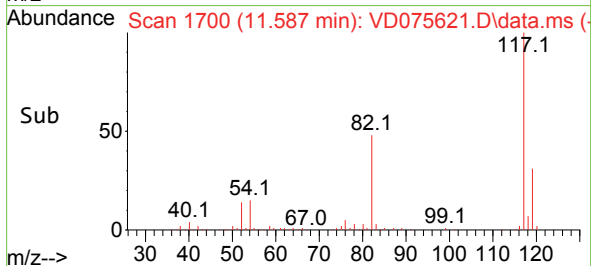
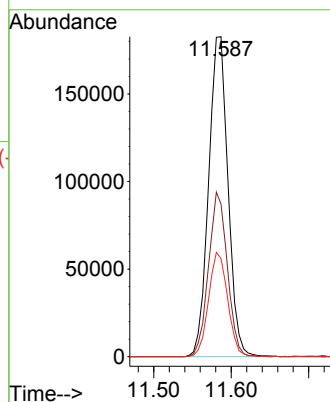
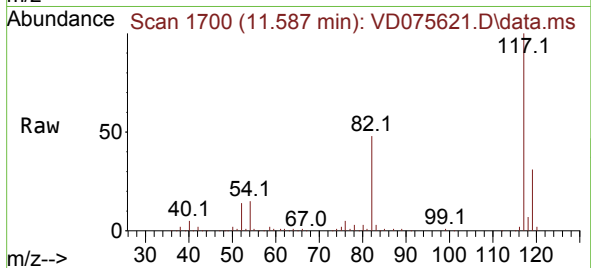




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

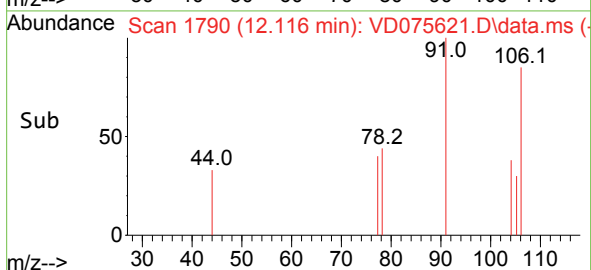
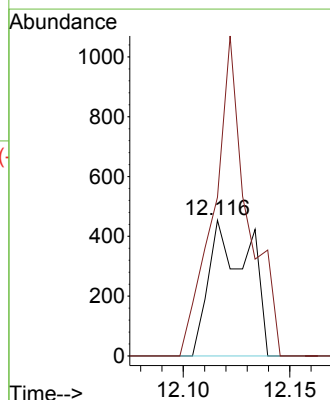
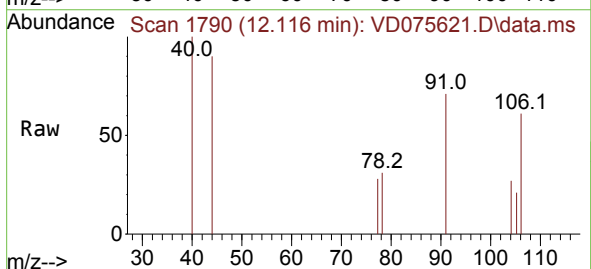
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

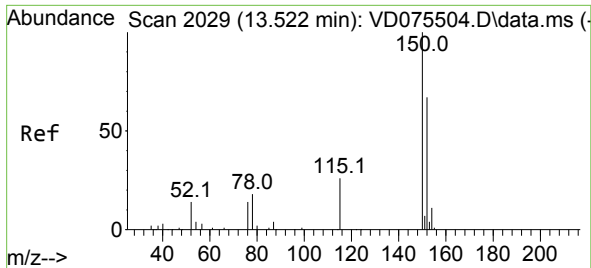
Tgt Ion:117 Resp: 317744
Ion Ratio Lower Upper
117 100
82 47.7 44.0 66.0
119 30.7 25.1 37.7



#69
o-Xylene
Concen: 1.349 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion:106 Resp: 582
Ion Ratio Lower Upper
106 100
91 203.1 105.7 317.1

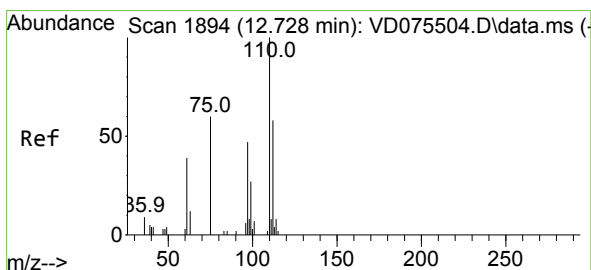
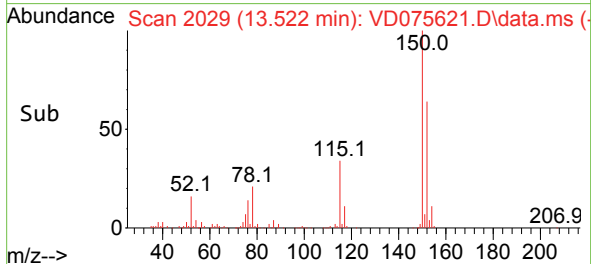
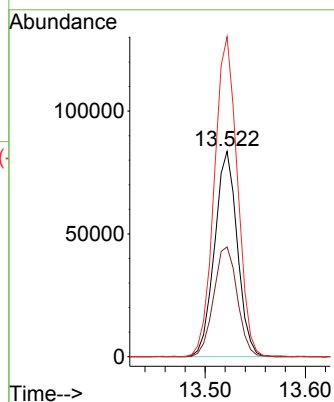
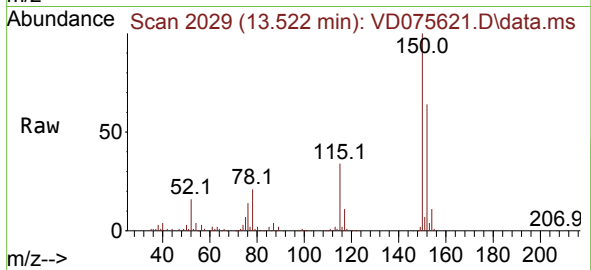




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075621.D
 Acq: 11 Apr 2023 15:12

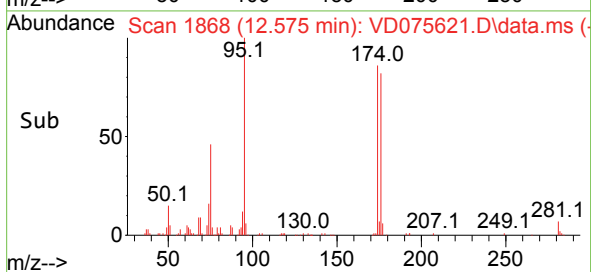
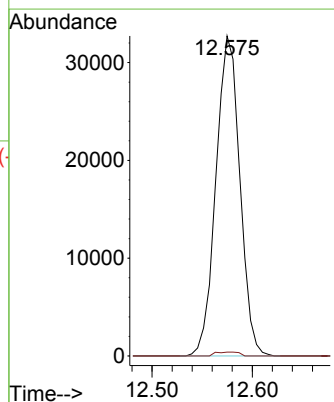
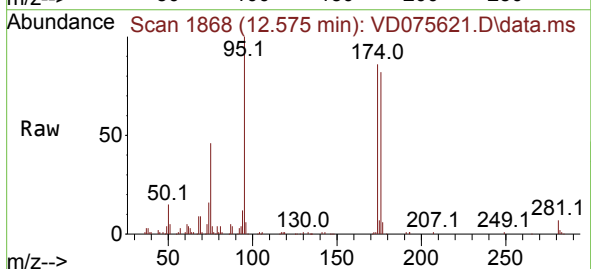
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBL01

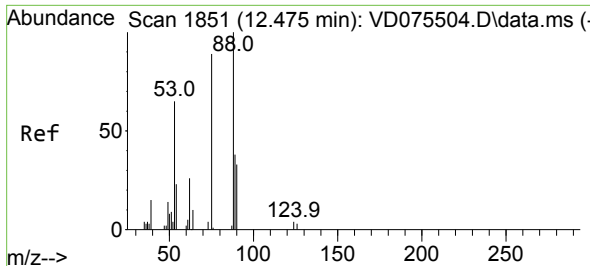
Tgt Ion:152 Resp: 131640
 Ion Ratio Lower Upper
 152 100
 115 55.6 30.1 90.3
 150 158.4 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 52.618 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075621.D
 Acq: 11 Apr 2023 15:12

Tgt Ion: 75 Resp: 54209
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

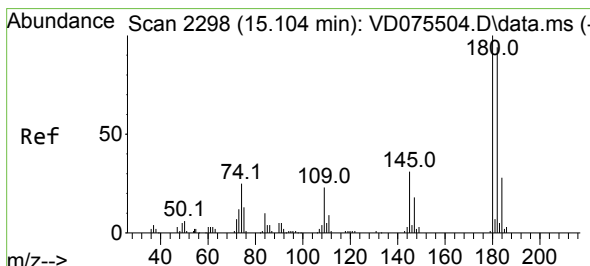
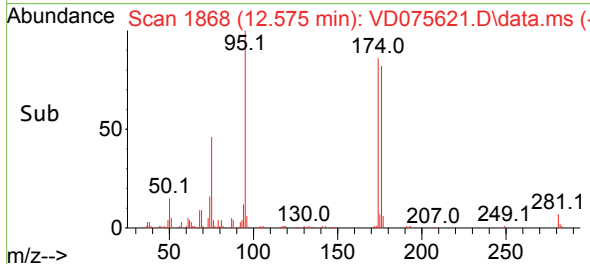
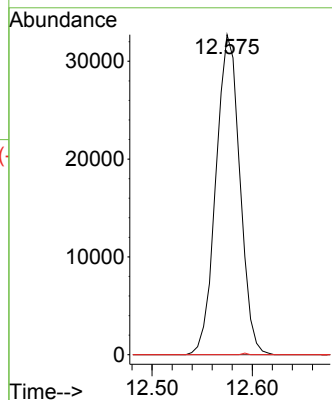
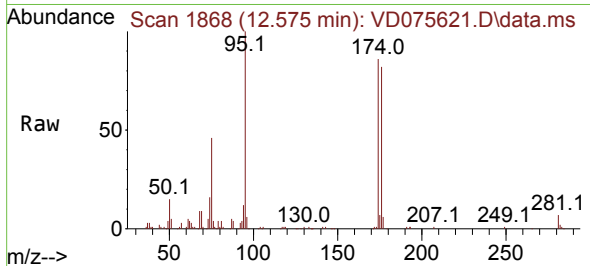




#81
trans-1,4-Dichloro-2-butene
Concen: 120.594 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

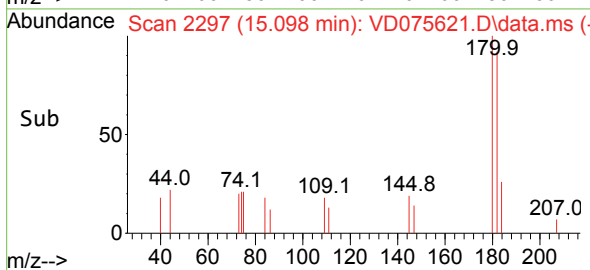
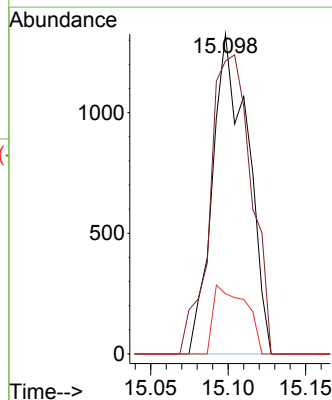
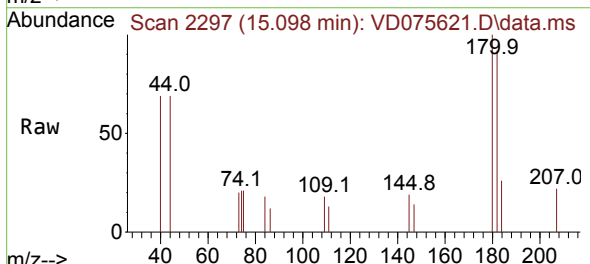
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

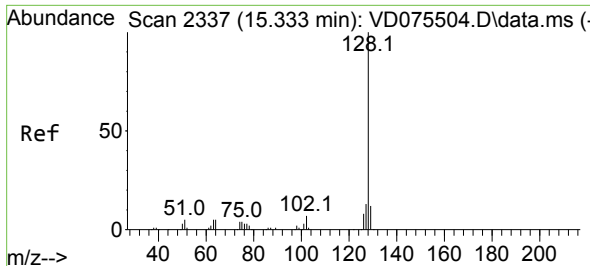
Tgt Ion: 75 Resp: 54209
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 40.2 60.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.066 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion: 180 Resp: 2098
Ion Ratio Lower Upper
180 100
182 109.3 47.9 143.7
145 19.6 15.9 47.7

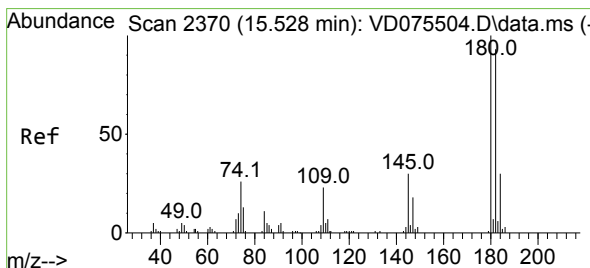
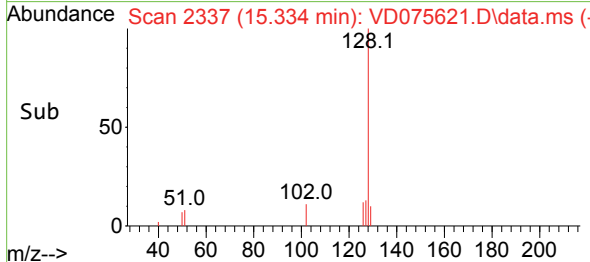
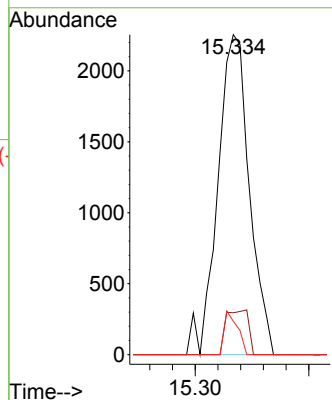
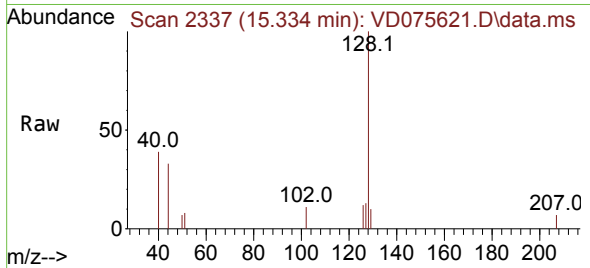




#95
Naphthalene
Concen: 1.168 ug/l
RT: 15.334 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBL01

Tgt Ion:128 Resp: 4364
Ion Ratio Lower Upper
128 100
127 9.8 10.4 15.6#
129 5.8 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.097 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD075621.D
Acq: 11 Apr 2023 15:12

Tgt Ion:180 Resp: 1913
Ion Ratio Lower Upper
180 100
182 117.5 47.7 143.1
145 28.4 16.4 49.4

