

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041023\
 Data File : VD075616.D
 Acq On : 10 Apr 2023 19:51
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 11 03:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 02:59:44 2023
 Response via : Initial Calibration

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

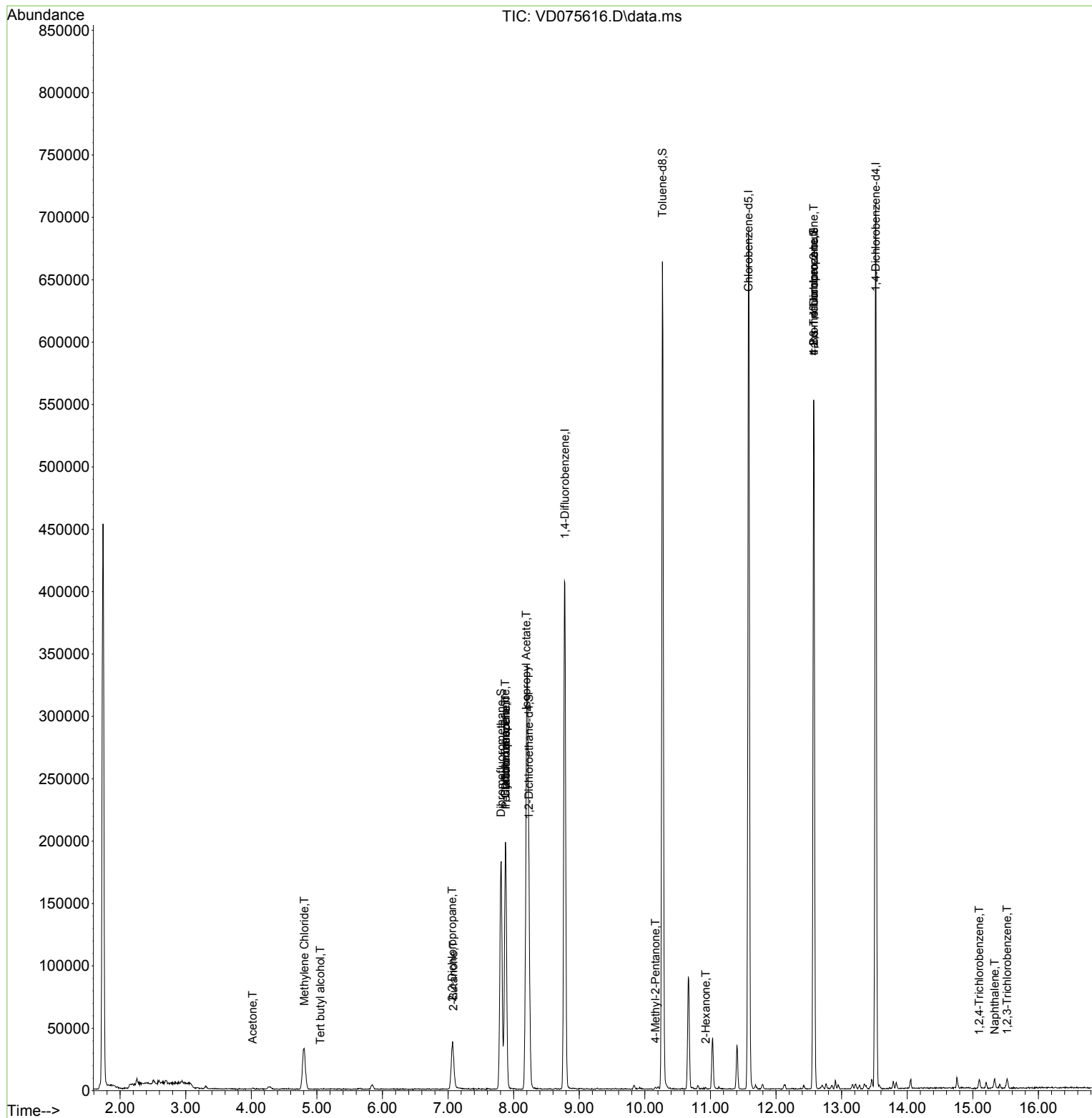
Internal Standards						
1) Pentafluorobenzene	7.881	168	165716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	406139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	437106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	204639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	89477	68.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.920%	
35) Dibromofluoromethane	7.810	113	138159	60.931	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.860%	
50) Toluene-d8	10.269	98	484114	55.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.860%	
62) 4-Bromofluorobenzene	12.575	95	173799	67.734	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	135	2.263	ug/l #	100
16) Acetone	4.022	43	1022	4.436	ug/l	95
20) Methylene Chloride	4.810	84	29925	11.948	ug/l #	75
25) 2-Butanone	7.081	43	2085	6.977	ug/l #	50
26) 2,2-Dichloropropane	7.063	77	2624	1.074	ug/l #	54
31) Cyclohexane	7.875	56	3088	1.642	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	11659	4.010	ug/l #	50
38) Carbon Tetrachloride	7.875	117	15440	5.560	ug/l #	17
43) Isopropyl Acetate	8.193	43	5639	3.428	ug/l #	1
51) 4-Methyl-2-Pentanone	10.163	43	1054	1.234	ug/l	92
59) 2-Hexanone	10.928	43	697	1.157	ug/l	90
76) 1,2,3-Trichloropropane	12.575	75	83932	54.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	83932	130.730	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.098	180	3166	1.116	ug/l	90
95) Naphthalene	15.333	128	8150	1.534	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	3354	1.355	ug/l	93

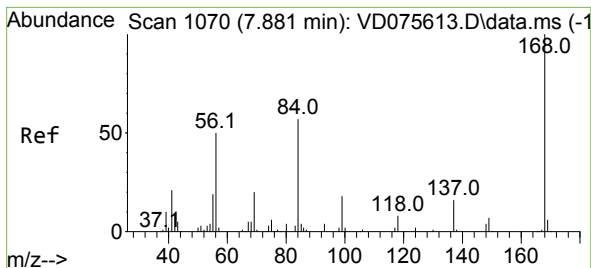
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 11 02:59:44 2023
Response via : Initial Calibration

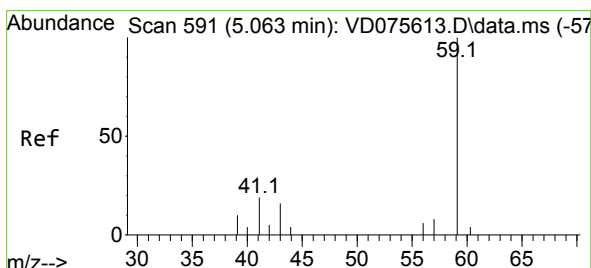
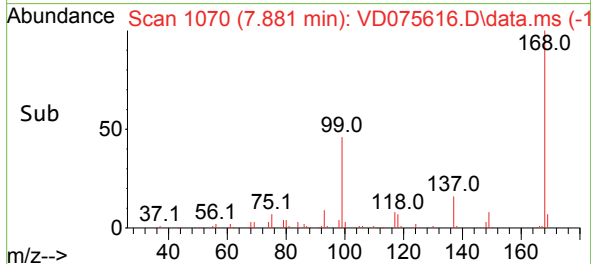
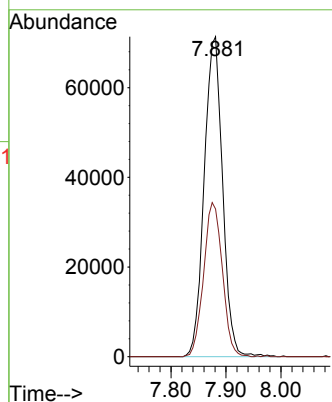
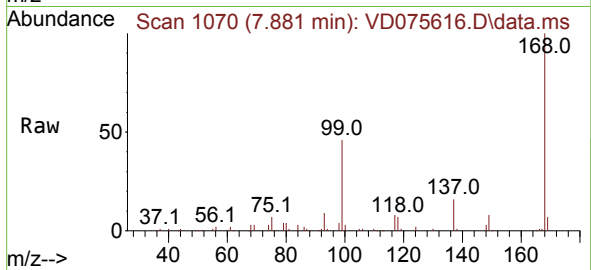




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

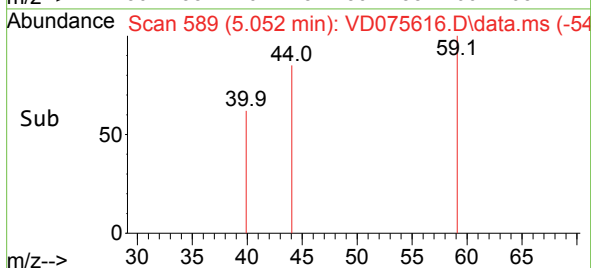
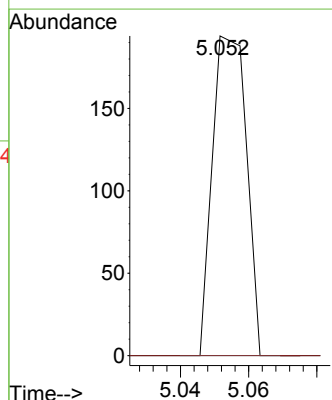
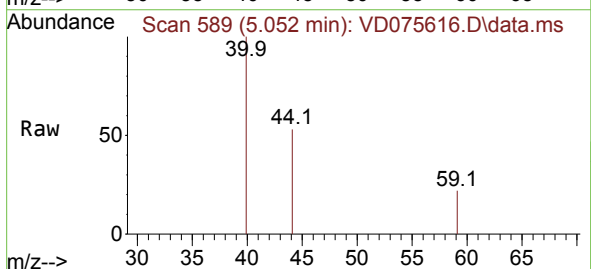
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

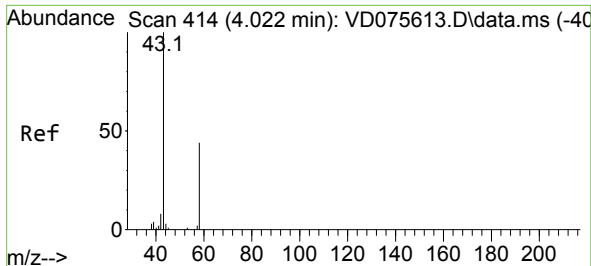
Tgt Ion:168 Resp: 165716
Ion Ratio Lower Upper
168 100
99 46.1 43.8 65.6



#11
Tert butyl alcohol
Concen: 2.263 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.012 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

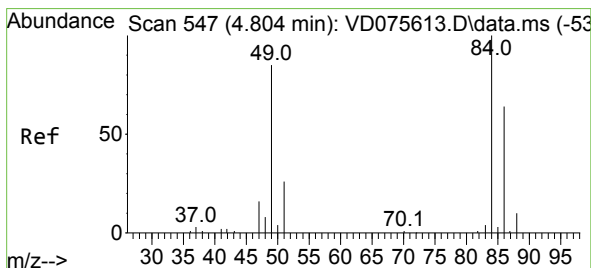
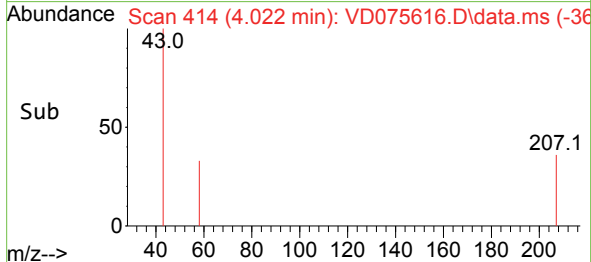
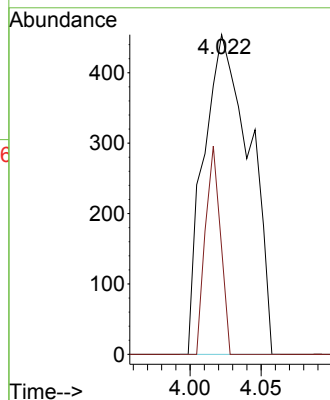
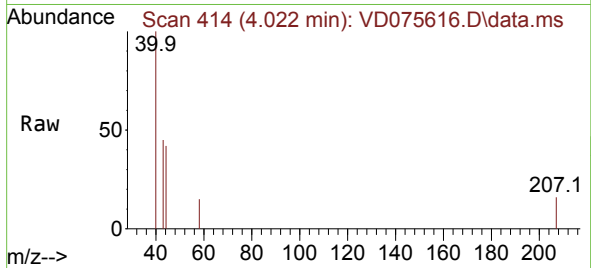




#16
Acetone
Concen: 4.436 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

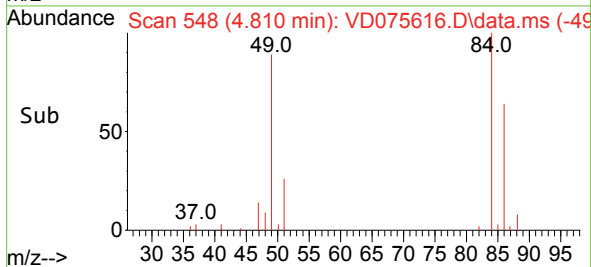
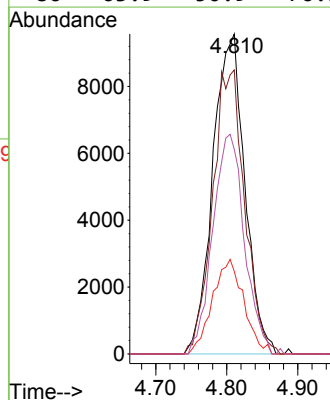
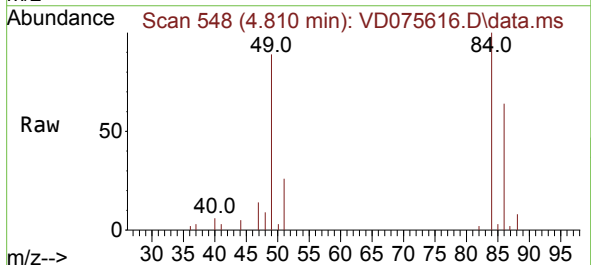
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

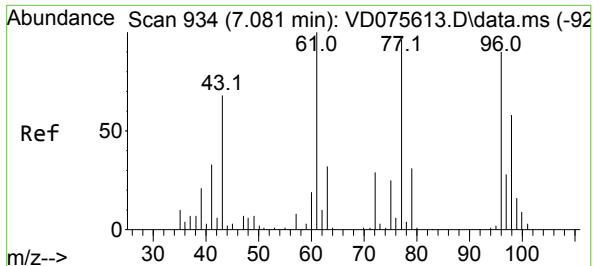
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 33.3 24.4 36.6



#20
Methylene Chloride
Concen: 11.948 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 84 Resp: 29925
Ion Ratio Lower Upper
84 100
49 88.8 106.4 159.6#
51 25.8 32.4 48.6#
86 63.9 50.9 76.3

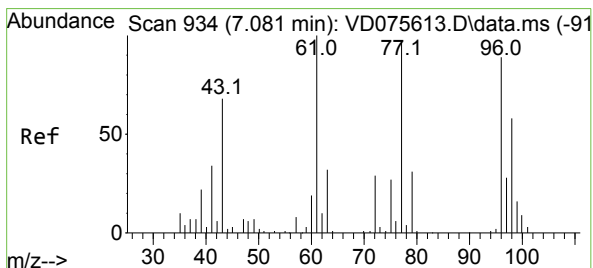
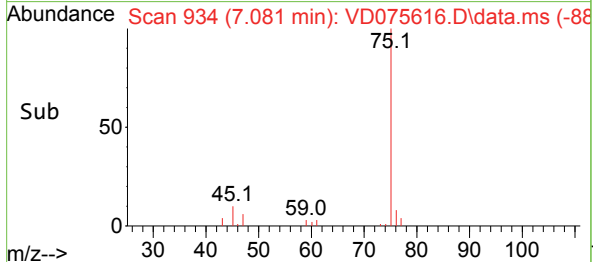
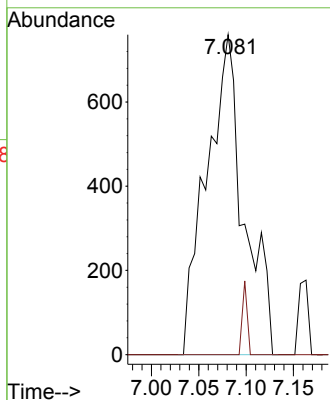
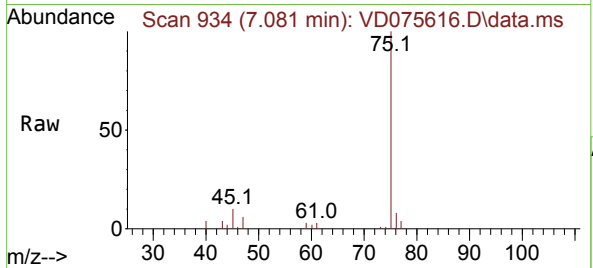




#25
2-Butanone
Concen: 6.977 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

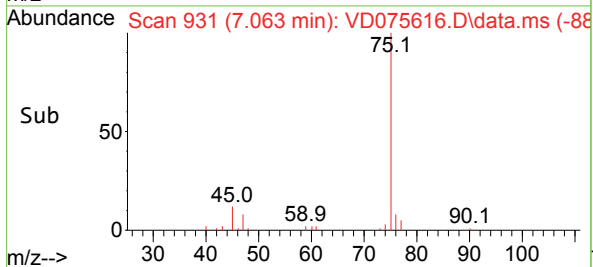
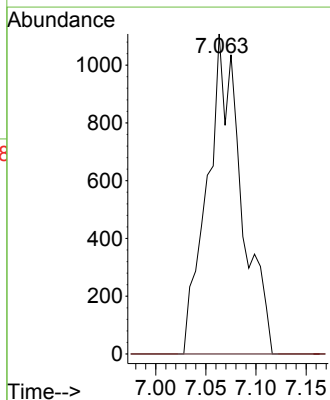
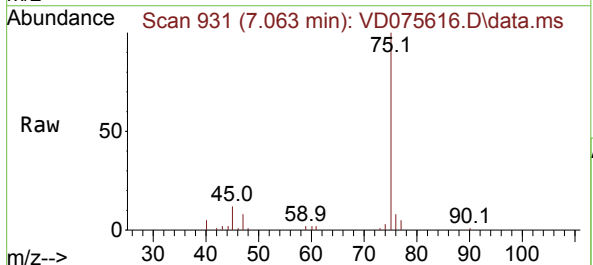
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

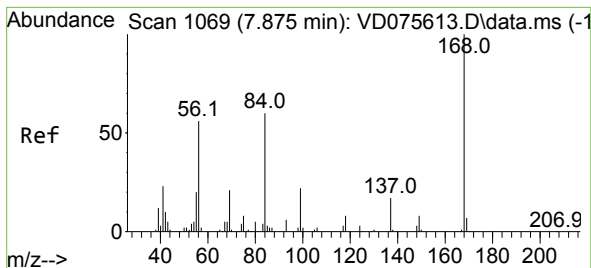
Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



#26
2,2-Dichloropropane
Concen: 1.074 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.017 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 77 Resp: 2624
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#





#31

Cyclohexane

Concen: 1.642 ug/l

RT: 7.875 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075616.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

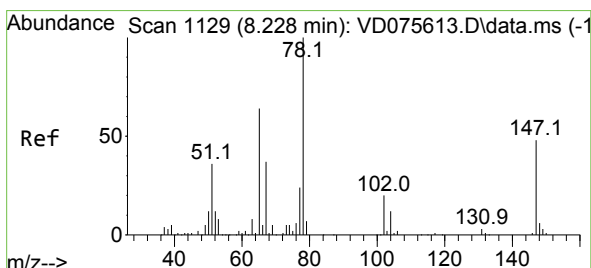
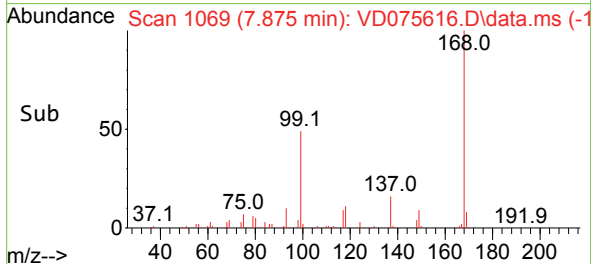
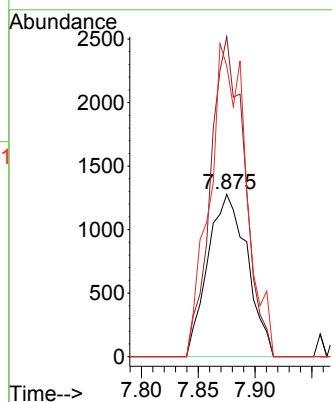
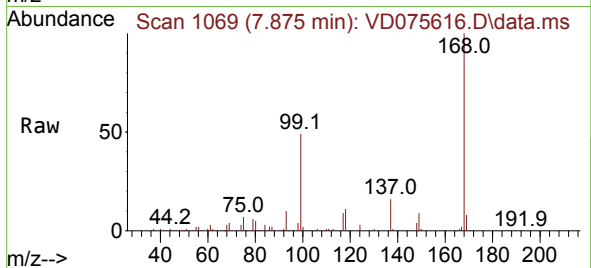
Tgt Ion: 56 Resp: 3088

Ion Ratio Lower Upper

56 100

69 197.3 25.5 38.3#

84 179.1 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 68.456 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075616.D

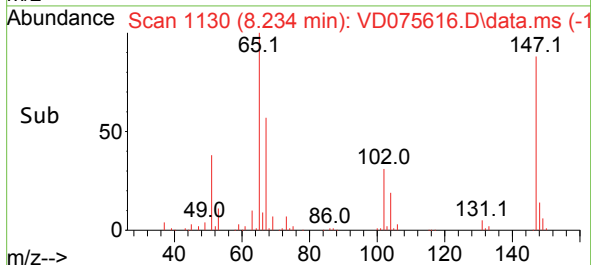
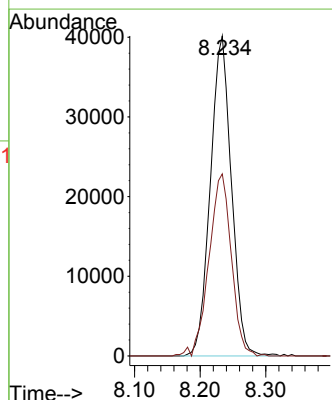
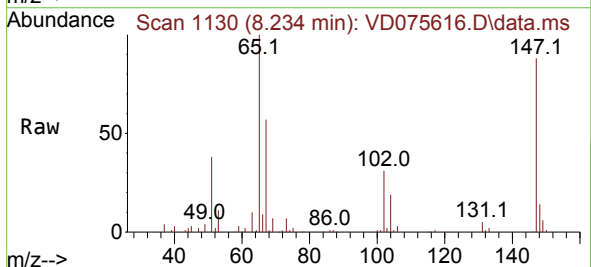
Acq: 10 Apr 2023 19:51

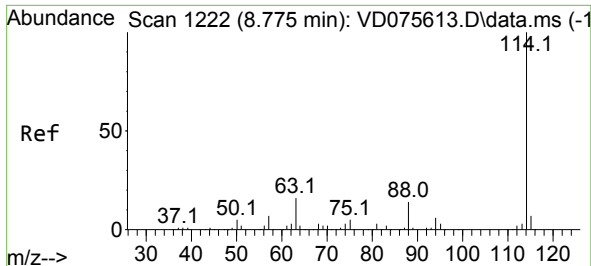
Tgt Ion: 65 Resp: 89477

Ion Ratio Lower Upper

65 100

67 60.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075616.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

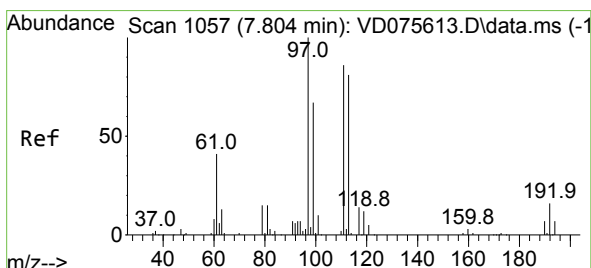
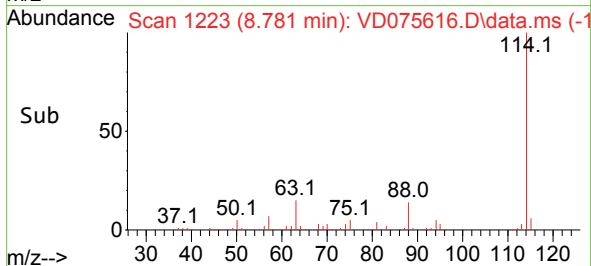
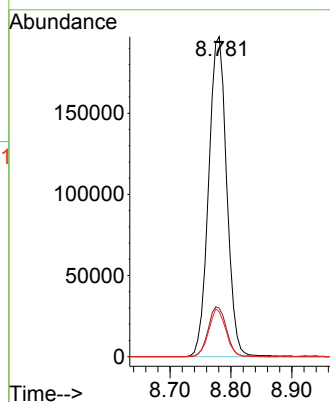
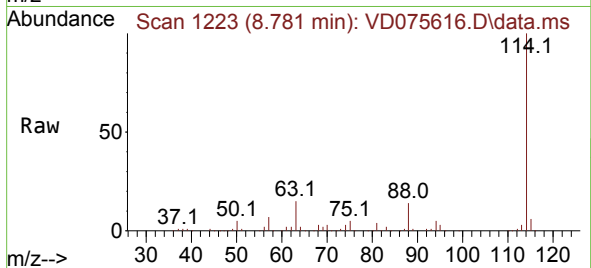
Tgt Ion:114 Resp: 406139

Ion Ratio Lower Upper

114 100

63 15.2 0.0 41.6

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 60.931 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075616.D

Acq: 10 Apr 2023 19:51

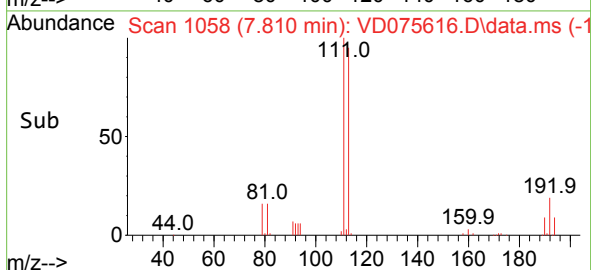
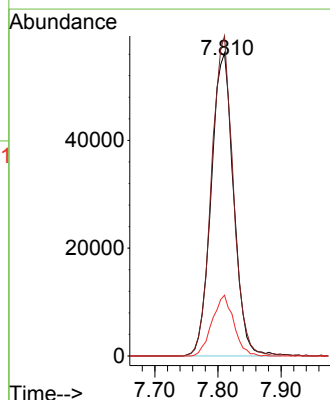
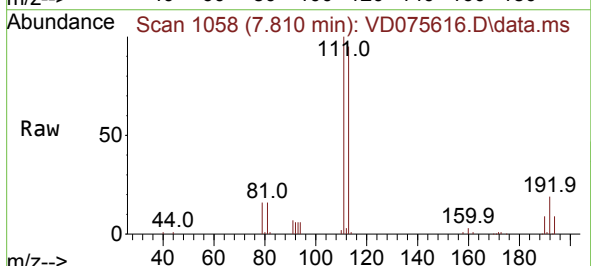
Tgt Ion:113 Resp: 138159

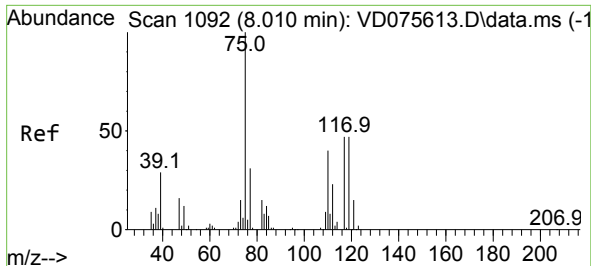
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 19.5 15.2 22.8

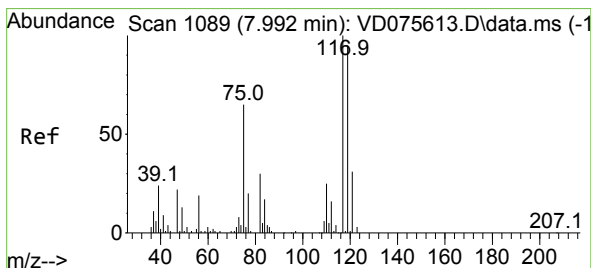
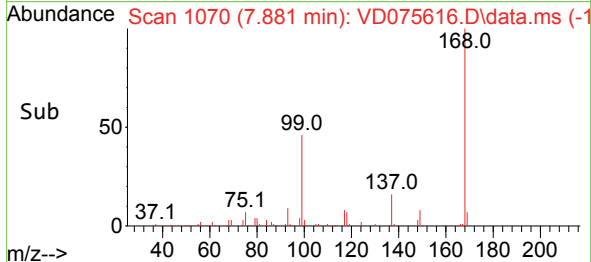
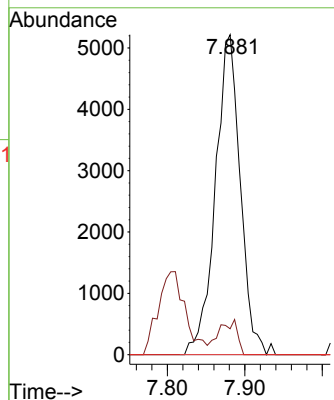
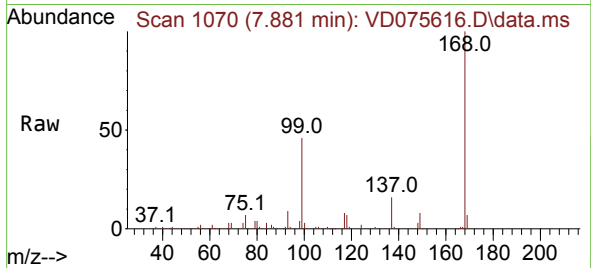




#36
1,1-Dichloropropene
Concen: 4.010 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

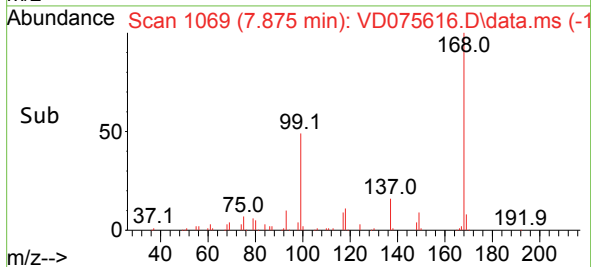
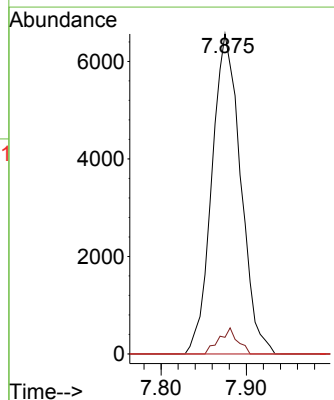
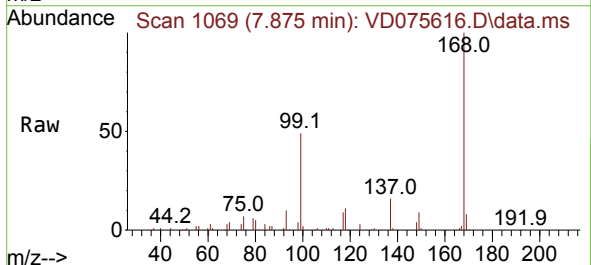
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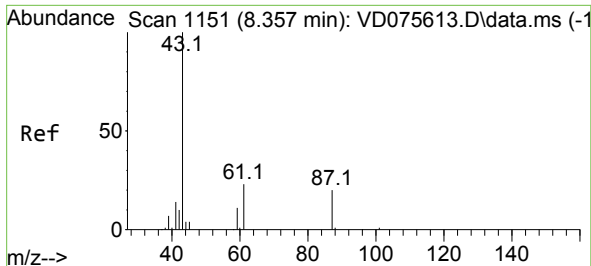
Tgt Ion: 75 Resp: 11659
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 117 Resp: 15440
Ion Ratio Lower Upper
117 100
119 5.2 74.7 112.1#
121 0.0 25.9 38.9#

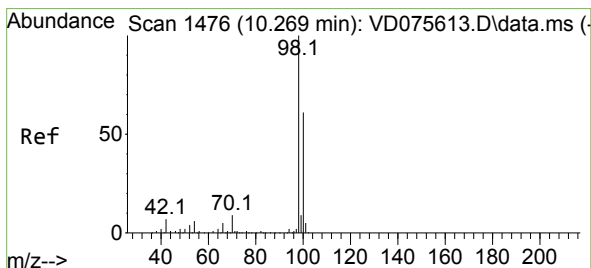
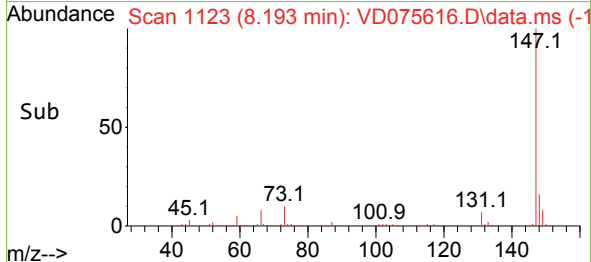
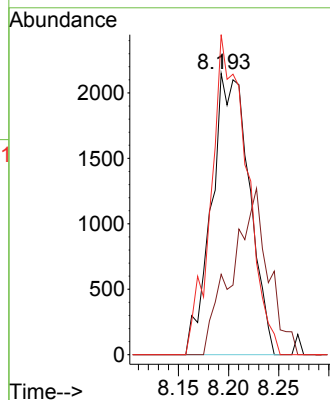
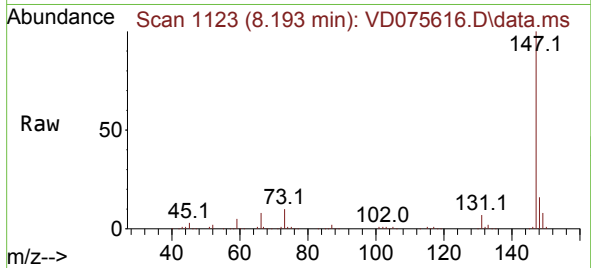




#43
Isopropyl Acetate
Concen: 3.428 ug/l
RT: 8.193 min Scan# 1151
Delta R.T. -0.164 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

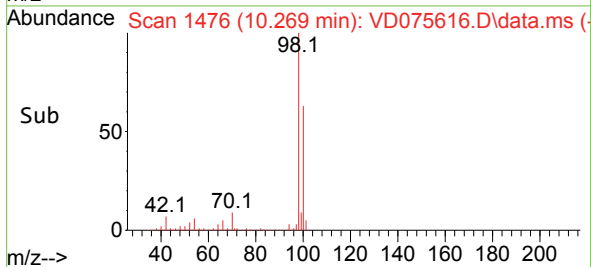
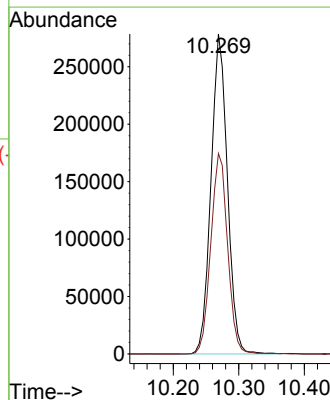
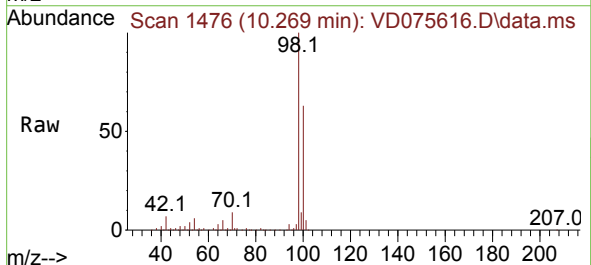
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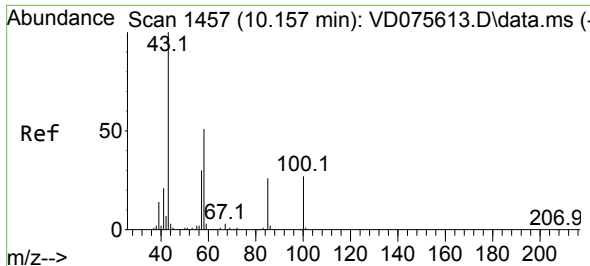
Tgt Ion: 43 Resp: 5639
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 106.5 9.5 14.3#



#50
Toluene-d8
Concen: 55.928 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 98 Resp: 484114
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.234 ug/l

RT: 10.163 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VD075616.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_D

ClientSampleId :

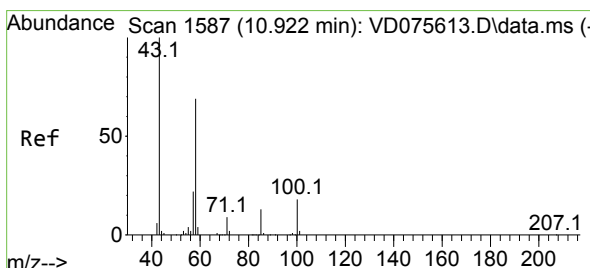
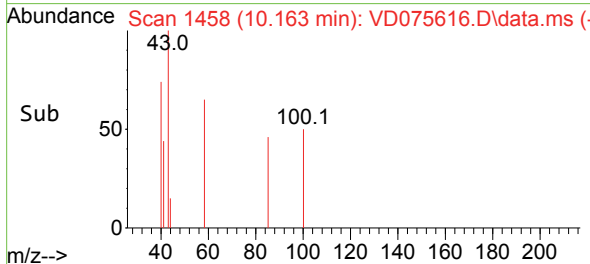
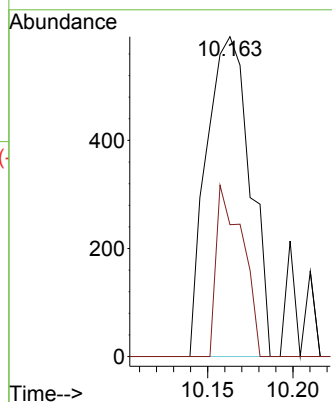
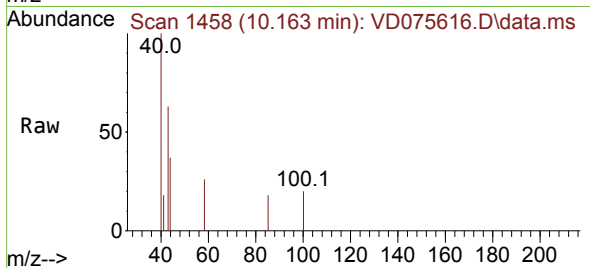
VIBLK

Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

58 32.4 29.5 44.3



#59

2-Hexanone

Concen: 1.157 ug/l

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VD075616.D

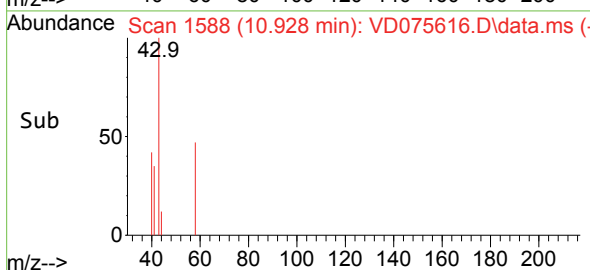
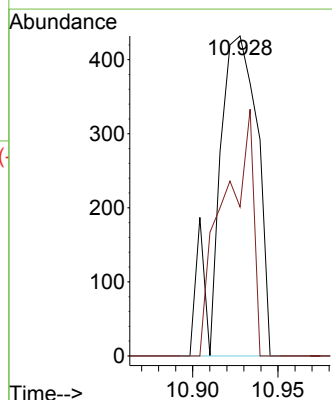
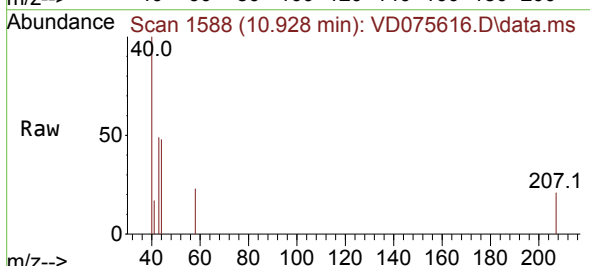
Acq: 10 Apr 2023 19:51

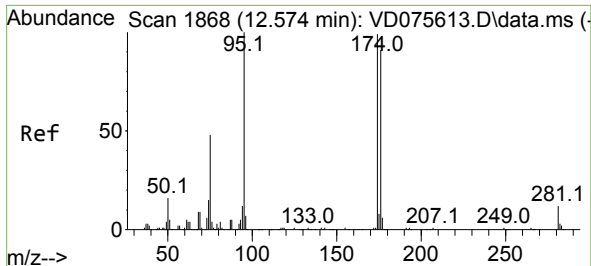
Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 57.5 25.3 75.8

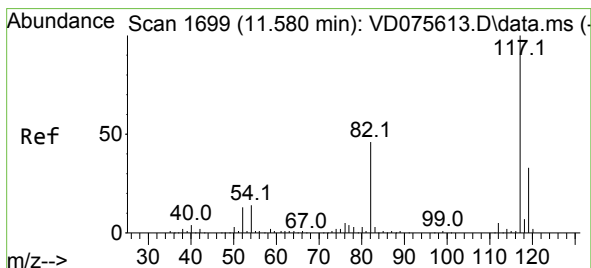
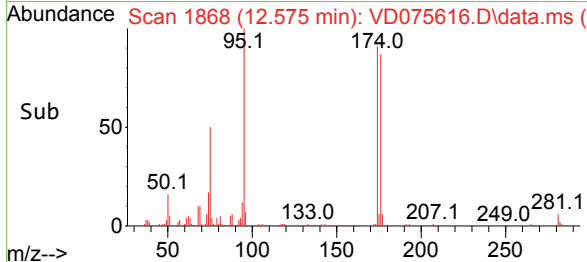
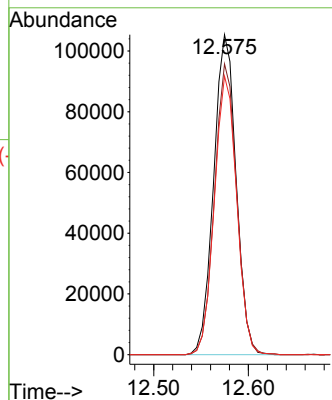
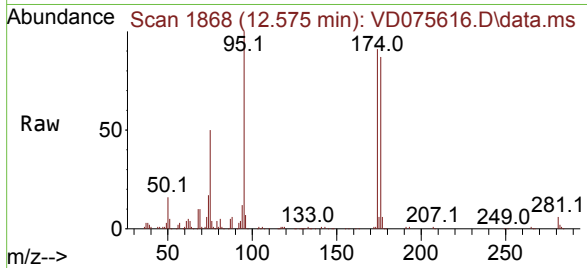




#62
4-Bromofluorobenzene
Concen: 67.734 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

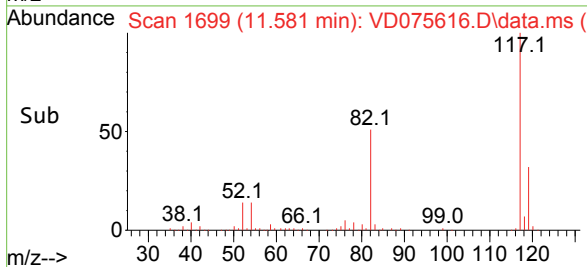
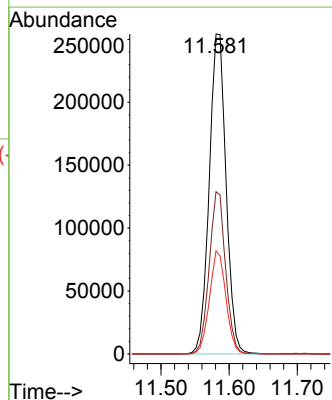
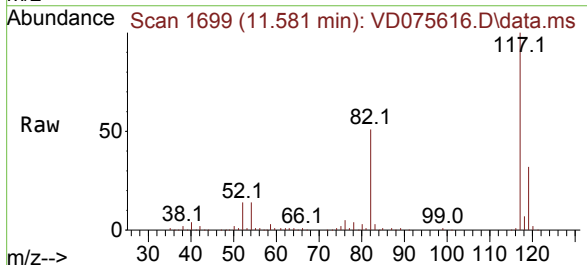
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

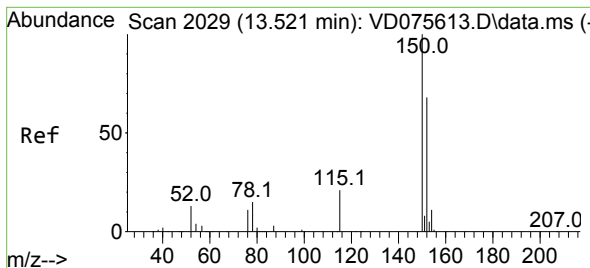
Tgt Ion: 95 Resp: 173799
Ion Ratio Lower Upper
95 100
174 89.6 0.0 164.0
176 86.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD075616.D
Acq: 10 Apr 2023 19:51

Tgt Ion: 117 Resp: 437106
Ion Ratio Lower Upper
117 100
82 50.7 44.0 66.0
119 32.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD075616.D

Acq: 10 Apr 2023 19:51

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

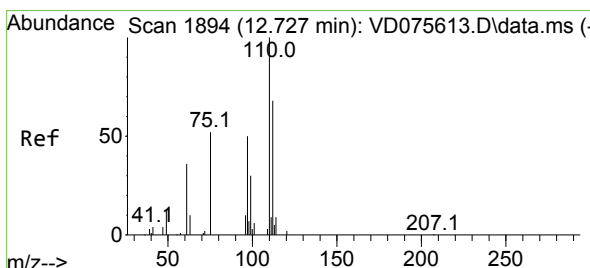
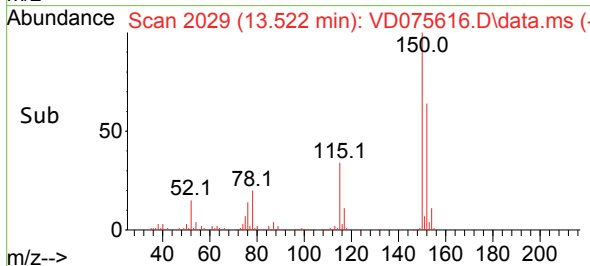
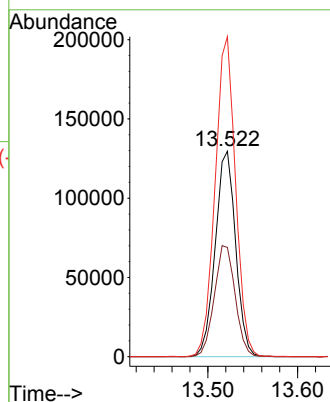
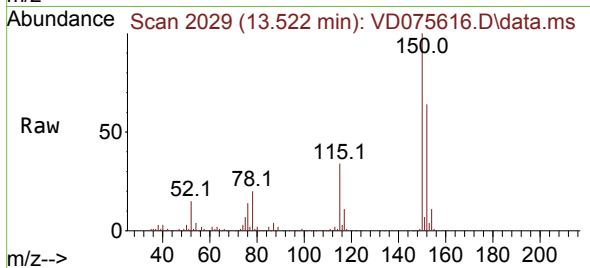
Tgt Ion:152 Resp: 204639

Ion Ratio Lower Upper

152 100

115 55.4 30.1 90.3

150 155.7 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 54.890 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075616.D

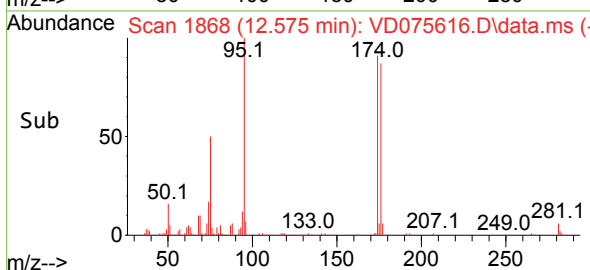
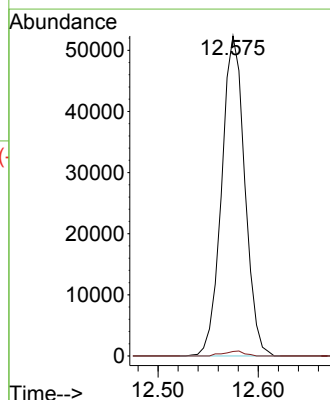
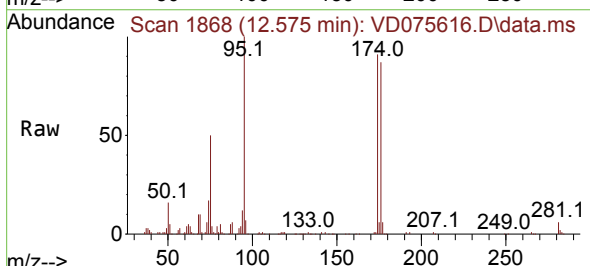
Acq: 10 Apr 2023 19:51

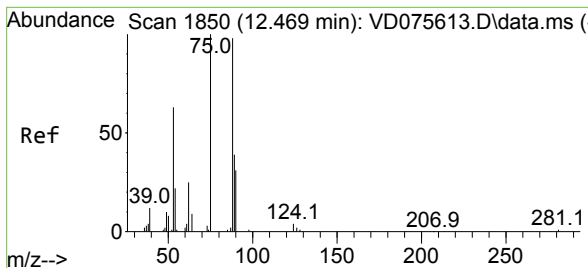
Tgt Ion: 75 Resp: 83932

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

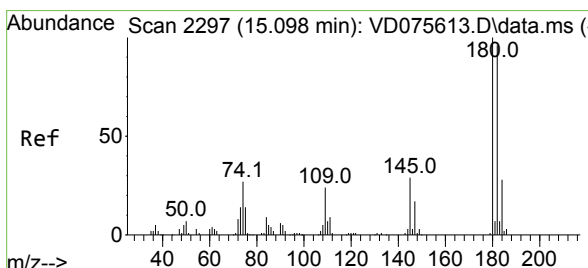
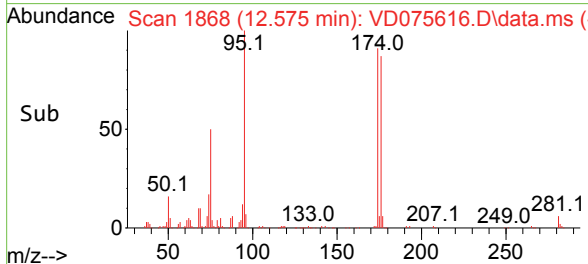
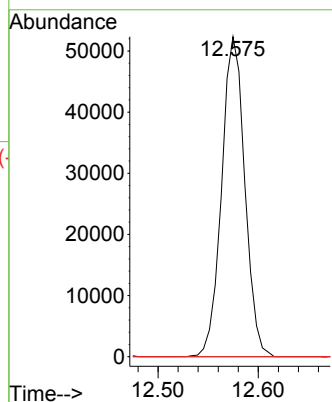
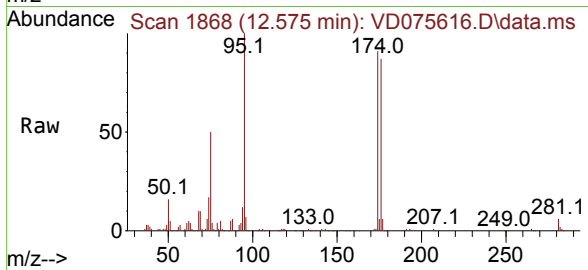




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.730 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD075616.D
 Acq: 10 Apr 2023 19:51

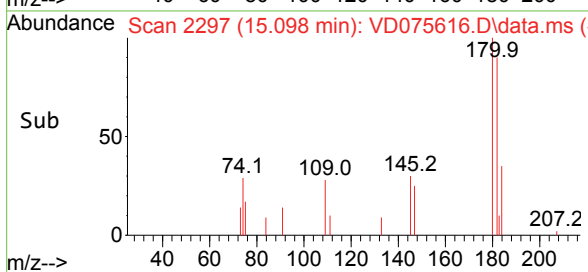
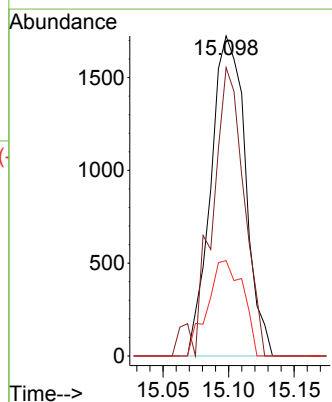
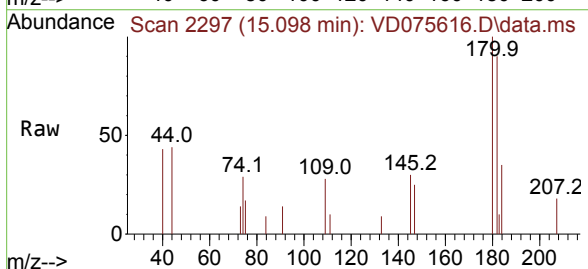
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

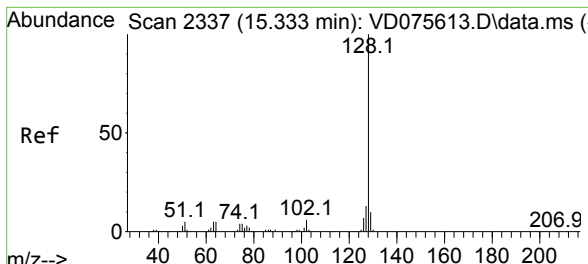
Tgt Ion: 75 Resp: 83932
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.116 ug/l
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD075616.D
 Acq: 10 Apr 2023 19:51

Tgt Ion:180 Resp: 3166
 Ion Ratio Lower Upper
 180 100
 182 84.1 47.9 143.7
 145 30.5 15.9 47.7

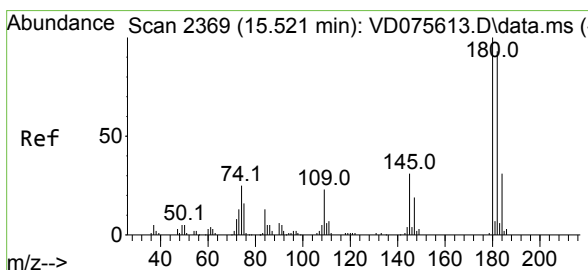
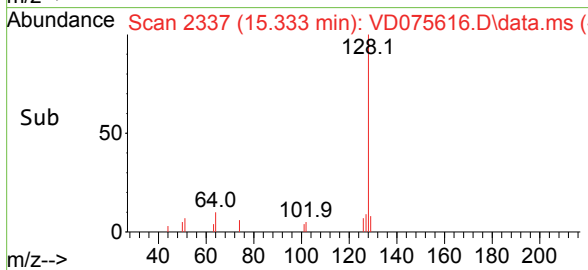
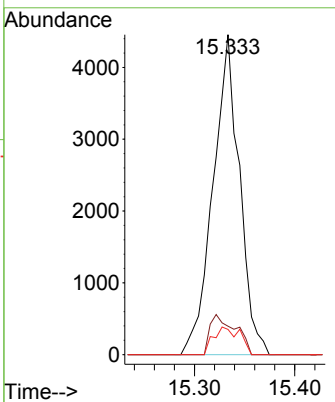
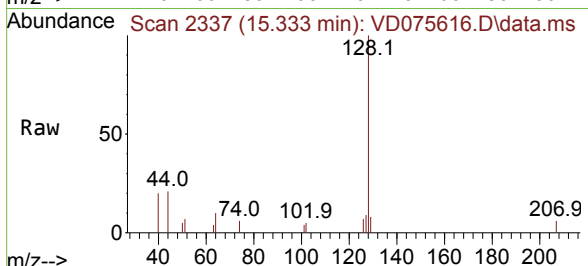




#95
 Naphthalene
 Concen: 1.534 ug/l
 RT: 15.333 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: VD075616.D
 Acq: 10 Apr 2023 19:51

Instrument : MSVOA_D
 ClientSampleId : VIBLK

Tgt Ion:	128	Resp:	8150
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.4	15.6
129	8.6	8.8	13.2#



#96
 1,2,3-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.522 min Scan# 2369
 Delta R.T. 0.000 min
 Lab File: VD075616.D
 Acq: 10 Apr 2023 19:51

Tgt Ion:	180	Resp:	3354
Ion Ratio	Lower	Upper	
180	100		
182	102.9	47.7	143.1
145	31.1	16.4	49.4

