

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072137.D
 Acq On : 01 Mar 2022 14:05
 Operator : VA/SY
 Sample : N1712-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 31421-22-23

Quant Time: Mar 02 06:09:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

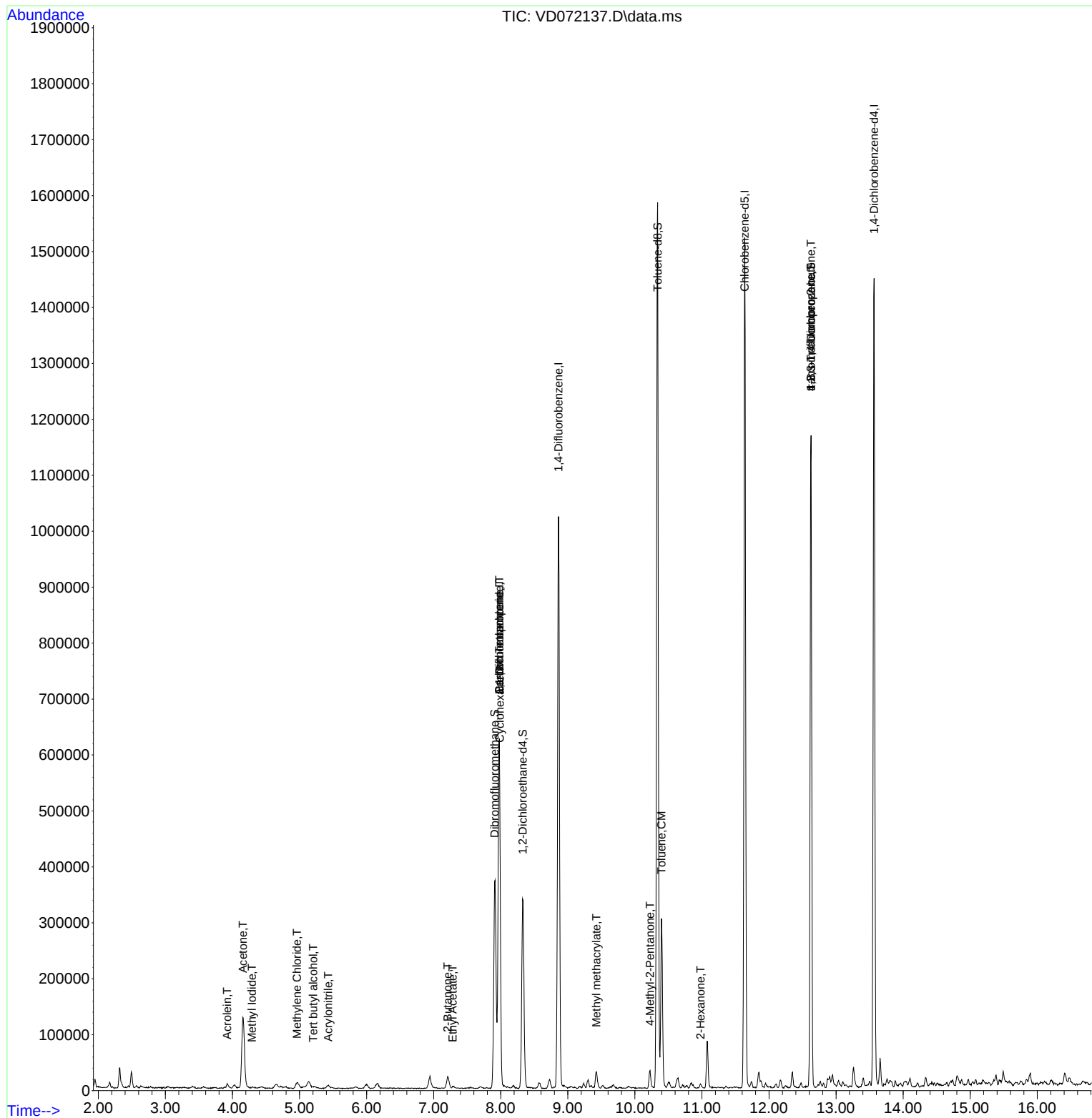
Internal Standards						
1) Pentafluorobenzene	7.979	168	463616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	864912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	850023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	379833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267038	55.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.060%
35) Dibromofluoromethane	7.908	113	275222	52.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.040%
50) Toluene-d8	10.338	98	1068026	54.959	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.920%
62) 4-Bromofluorobenzene	12.626	95	388238	54.388	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.780%
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1322	Below Cal		92
10) Methyl Iodide	4.291	142	868	3.079 ug/l #		40
11) Tert butyl alcohol	5.203	59	2166	7.894 ug/l		97
13) Acrolein	3.920	56	8442	15.602 ug/l		90
15) Acrylonitrile	5.426	53	6354	5.402 ug/l #		86
16) Acetone	4.156	43	231828	223.056 ug/l		100
20) Methylene Chloride	4.962	84	8389	1.622 ug/l #		85
25) 2-Butanone	7.208	43	31914	22.217 ug/l		98
31) Cyclohexane	7.985	56	12532	1.475 ug/l #		11
36) 1,1-Dichloropropene	7.979	75	39146	4.932 ug/l #		50
37) Ethyl Acetate	7.285	43	4205	1.142 ug/l #		94
38) Carbon Tetrachloride	7.979	117	48132	5.916 ug/l #		16
48) Methyl methacrylate	9.426	41	10070	2.908 ug/l #		42
51) 4-Methyl-2-Pentanone	10.226	43	23257	6.402 ug/l		97
52) Toluene	10.397	92	130268	9.088 ug/l		98
59) 2-Hexanone	10.979	43	5571	2.248 ug/l		88
76) 1,2,3-Trichloropropane	12.626	75	200373	55.692 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	200373	139.465 ug/l #		10

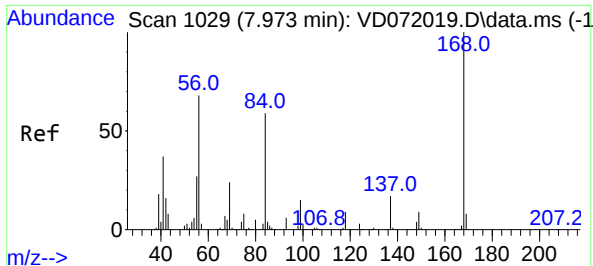
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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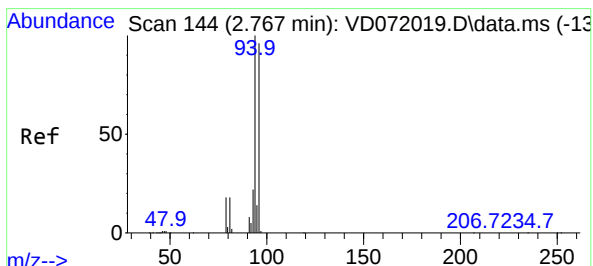
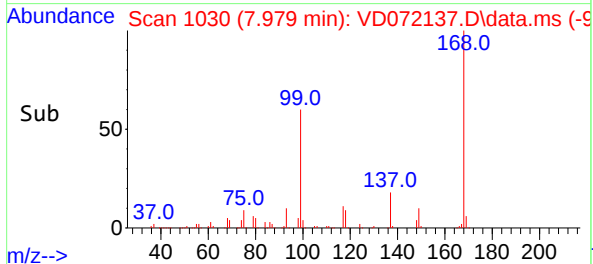
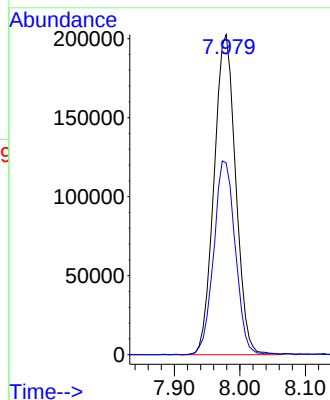
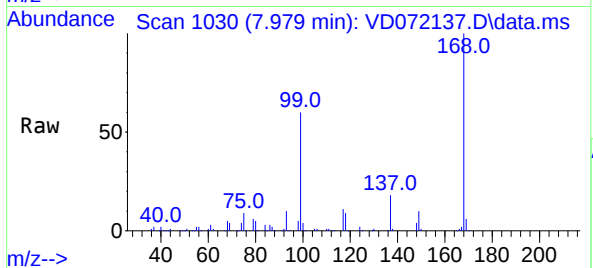




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

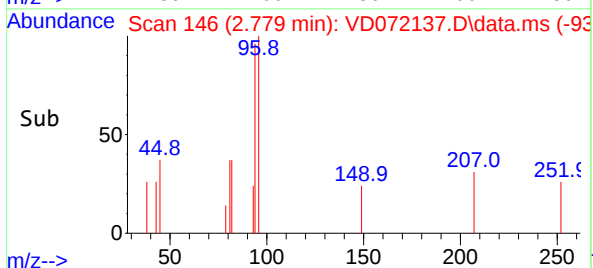
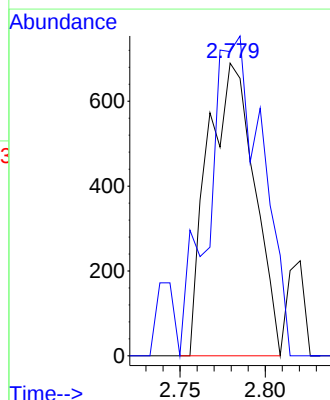
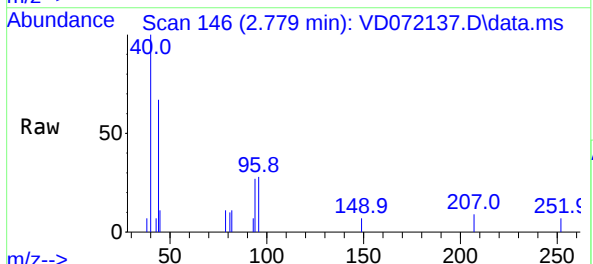
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

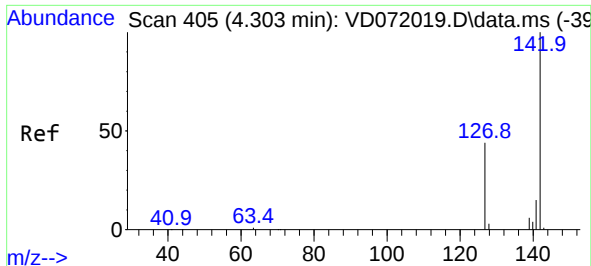
Tgt Ion:168 Resp: 463616
Ion Ratio Lower Upper
168 100
99 59.9 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 94 Resp: 1322
Ion Ratio Lower Upper
94 100
96 103.9 76.8 115.2

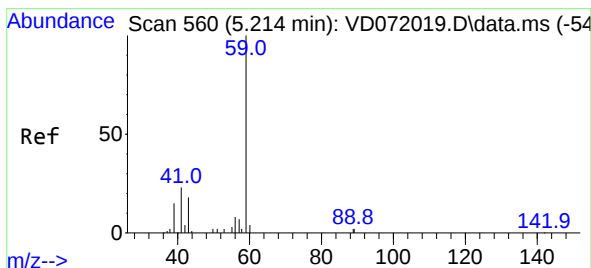
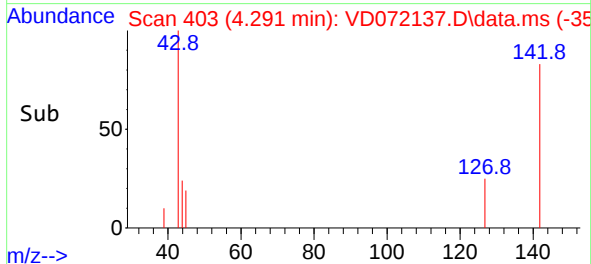
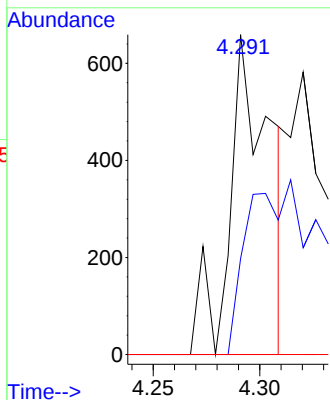
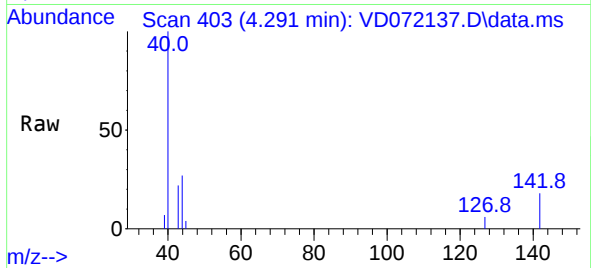




#10
Methyl Iodide
Concen: 3.079 ug/l
RT: 4.291 min Scan# 40
Delta R.T. -0.012 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

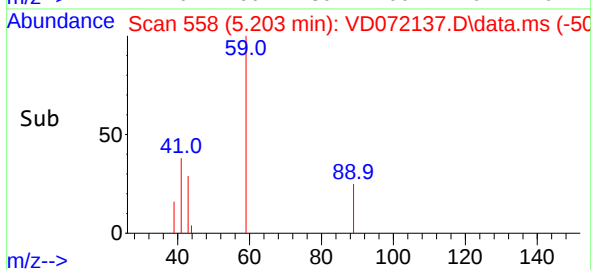
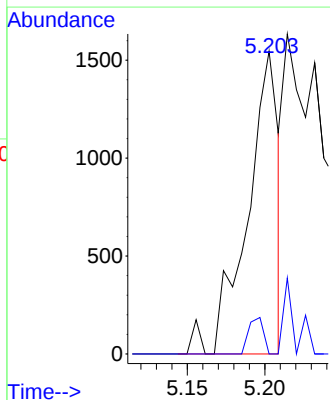
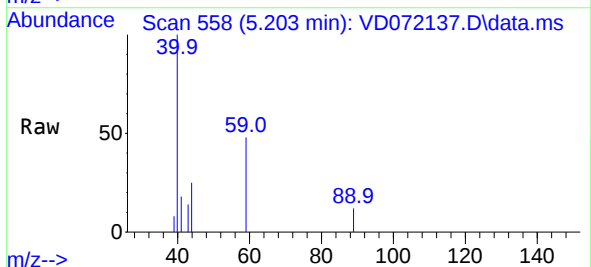
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

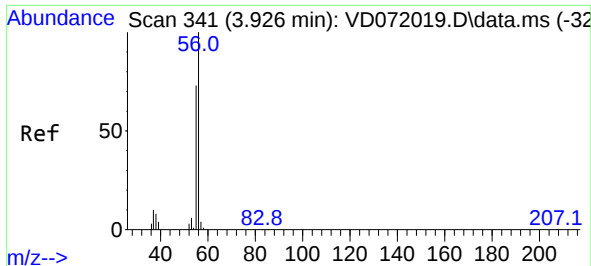
Tgt Ion:142 Resp: 868
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.894 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 59 Resp: 2166
Ion Ratio Lower Upper
59 100
57 5.7 5.4 8.2

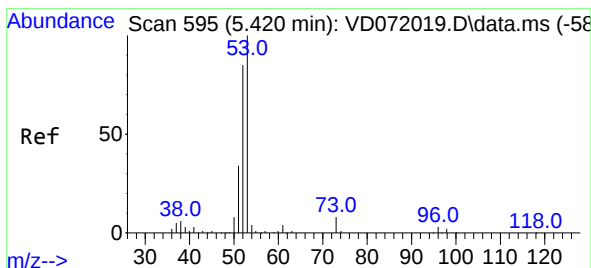
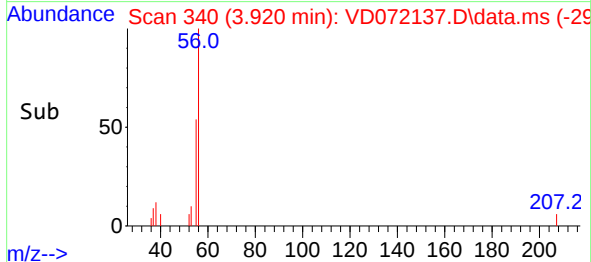
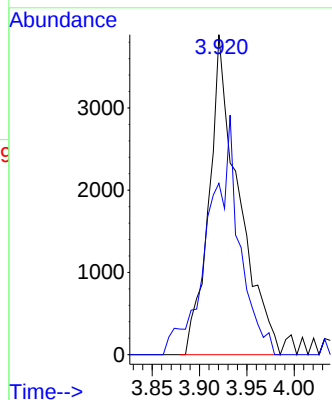
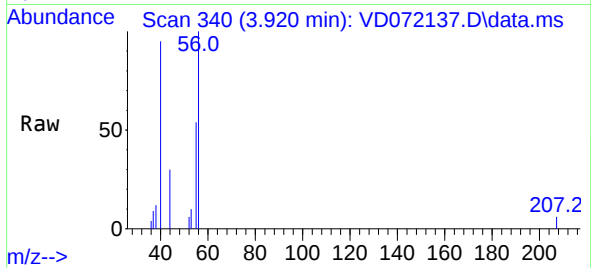




#13
Acrolein
Concen: 15.602 ug/l
RT: 3.920 min Scan# 341
Delta R.T. -0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

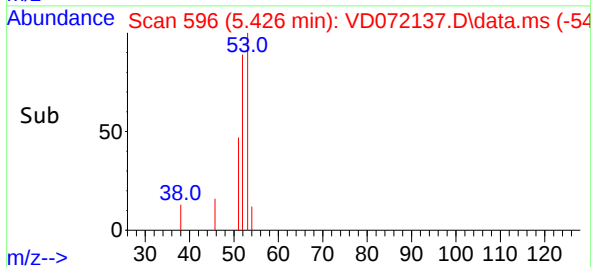
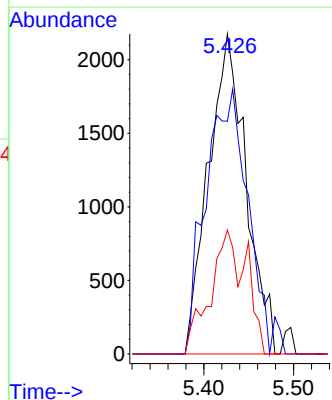
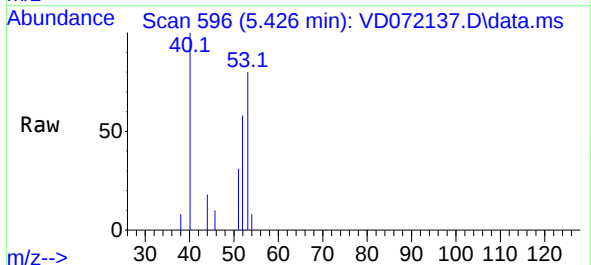
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

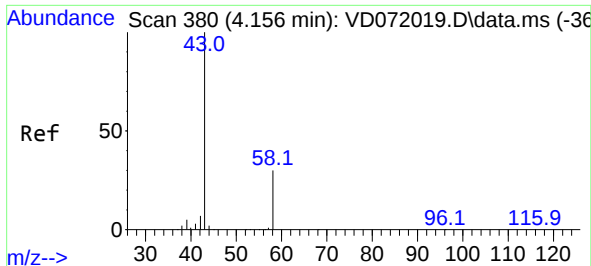
Tgt Ion: 56 Resp: 8442
Ion Ratio Lower Upper
56 100
55 77.6 55.8 83.6



#15
Acrylonitrile
Concen: 5.402 ug/l
RT: 5.426 min Scan# 596
Delta R.T. 0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 53 Resp: 6354
Ion Ratio Lower Upper
53 100
52 92.9 65.8 98.6
51 26.5 29.4 44.0#

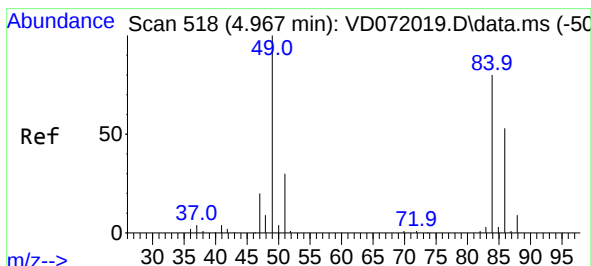
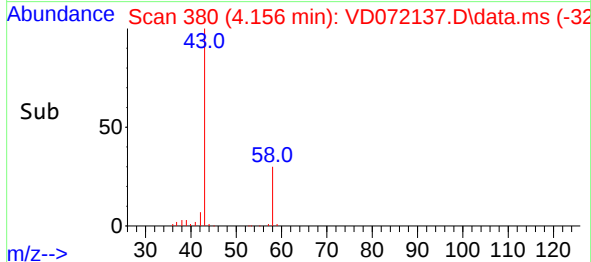
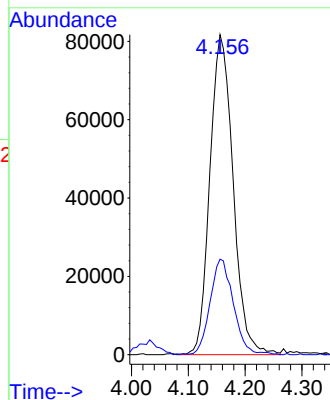
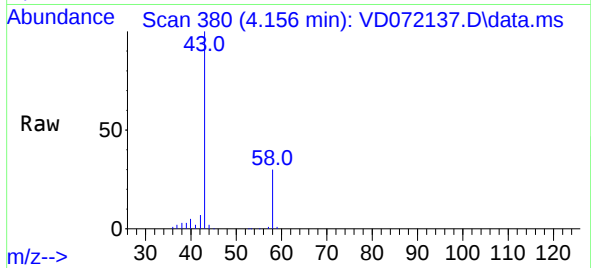




#16
Acetone
Concen: 223.056 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

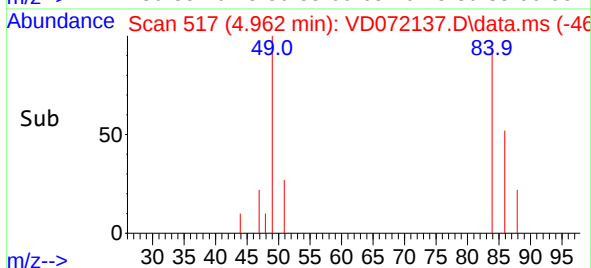
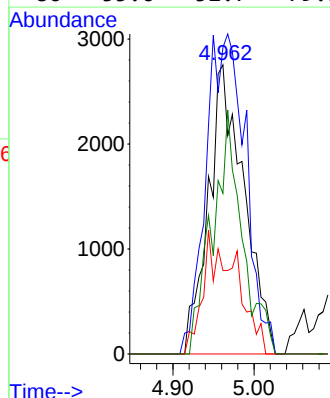
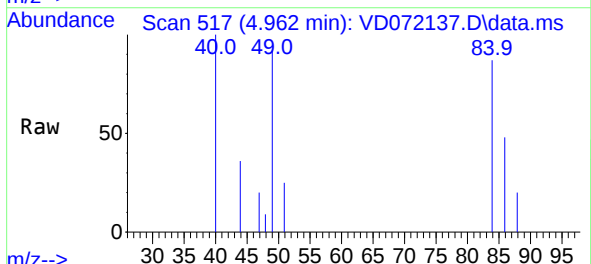
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

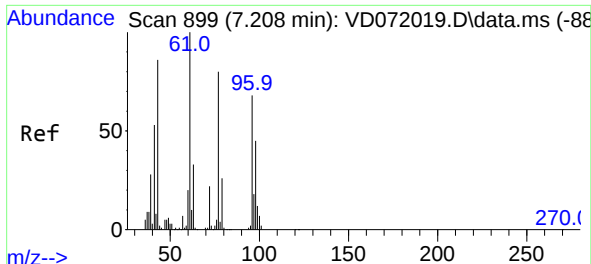
Tgt Ion: 43 Resp: 231828
Ion Ratio Lower Upper
43 100
58 29.8 23.8 35.6



#20
Methylene Chloride
Concen: 1.622 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 84 Resp: 8389
Ion Ratio Lower Upper
84 100
49 106.0 100.0 150.0
51 28.9 30.2 45.4#
86 55.6 52.7 79.1

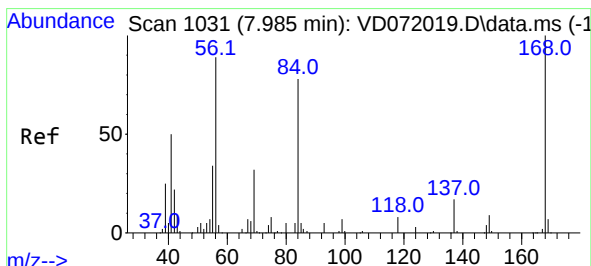
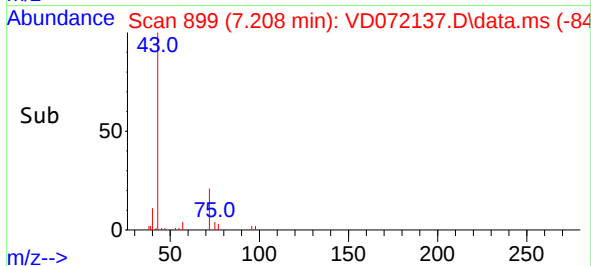
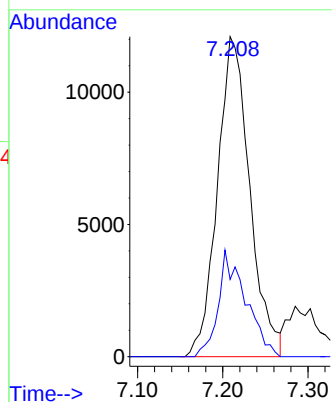
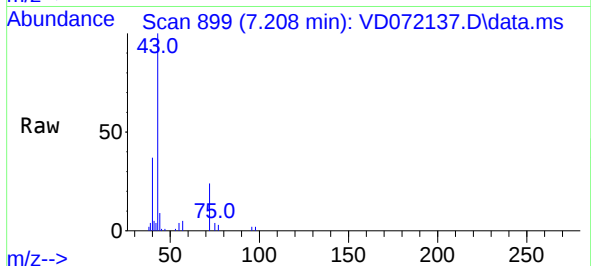




#25
2-Butanone
Concen: 22.217 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

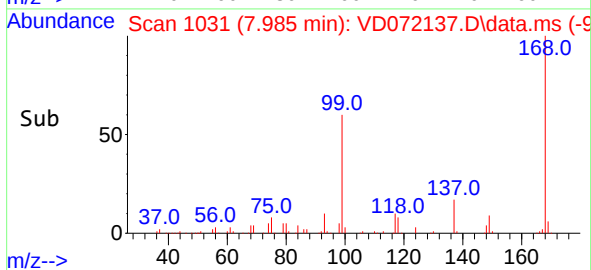
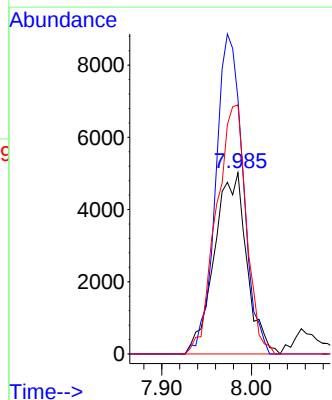
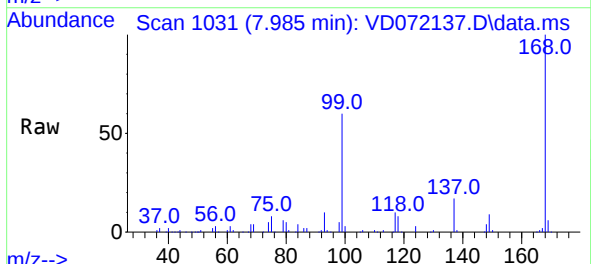
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

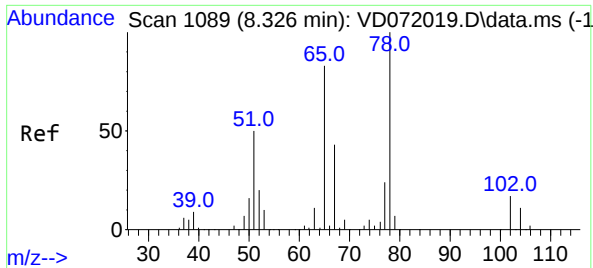
Tgt Ion: 43 Resp: 31914
Ion Ratio Lower Upper
43 100
72 24.1 20.3 30.5



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 56 Resp: 12532
Ion Ratio Lower Upper
56 100
69 140.8 28.9 43.3#
84 137.5 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 55.528 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072137.D

Acq: 01 Mar 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

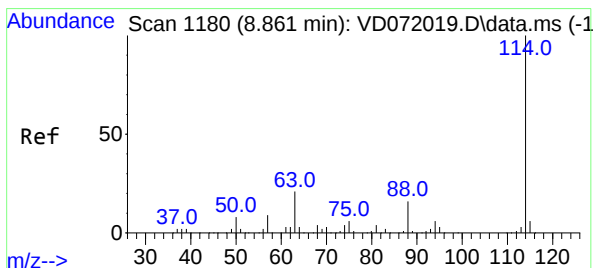
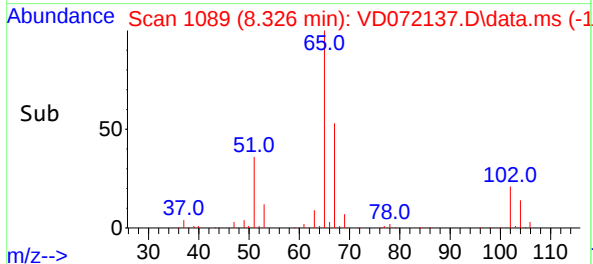
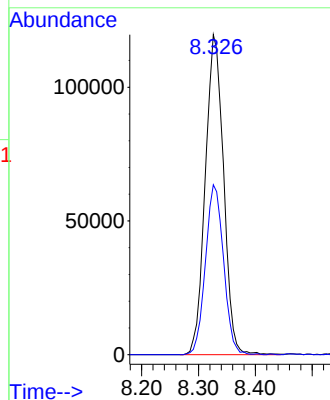
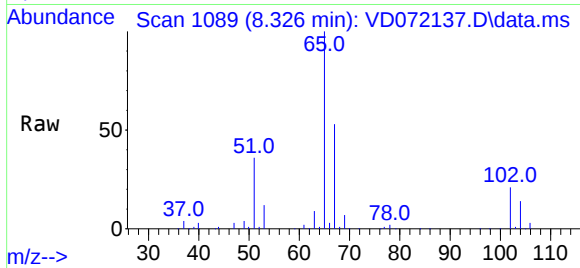
31421-22-23

Tgt Ion: 65 Resp: 267038

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072137.D

Acq: 01 Mar 2022 14:05

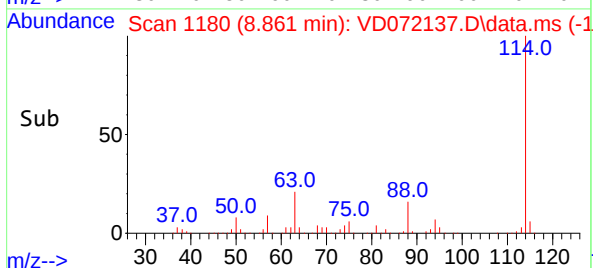
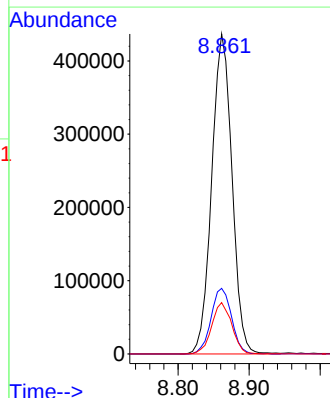
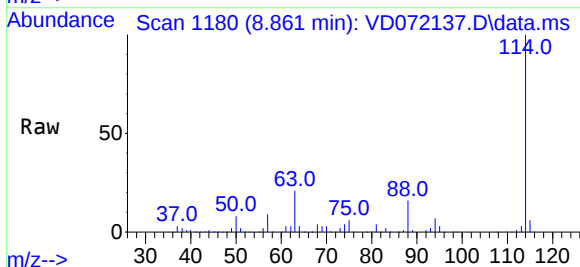
Tgt Ion: 114 Resp: 864912

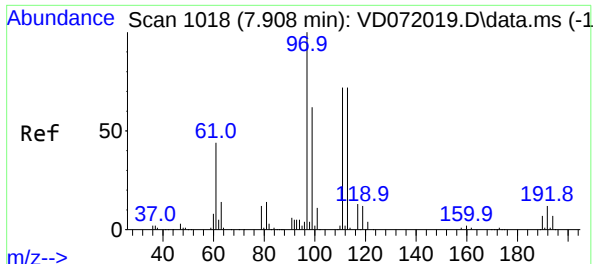
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 16.1 0.0 31.2

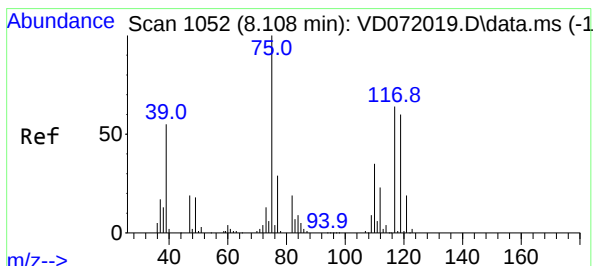
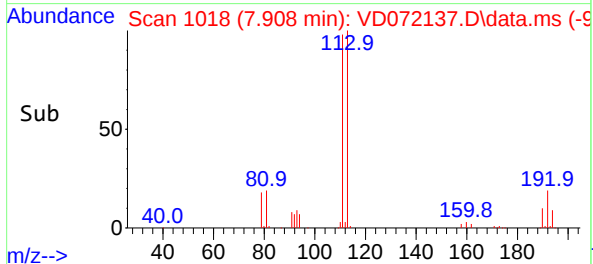
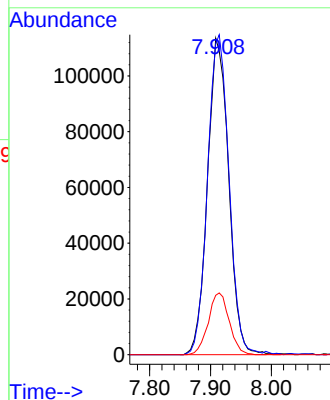
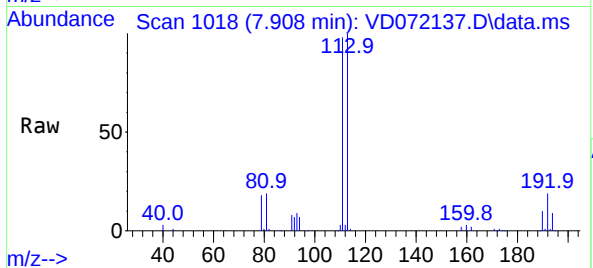




#35
Dibromofluoromethane
Concen: 52.521 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

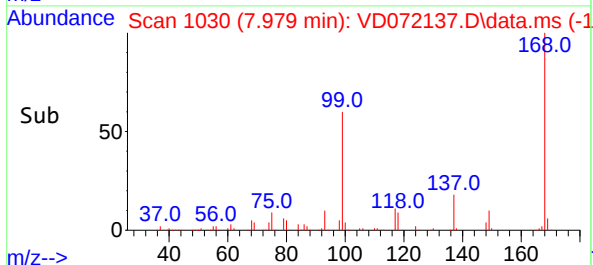
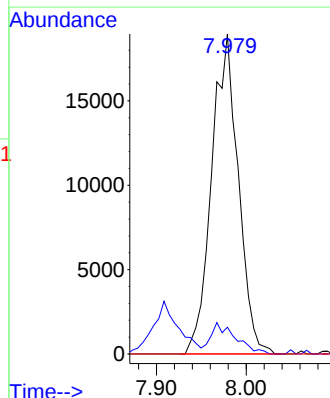
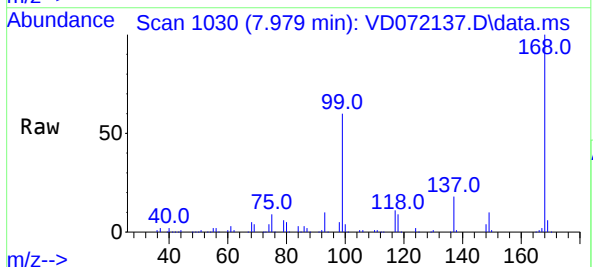
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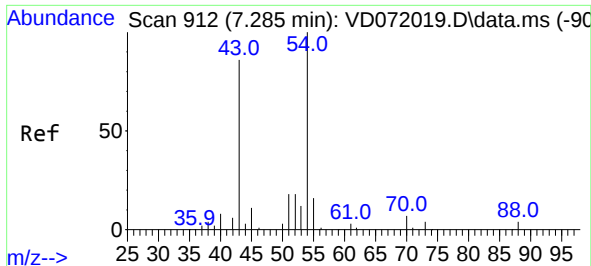
Tgt Ion:113 Resp: 275222
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 19.2 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 75 Resp: 39146
Ion Ratio Lower Upper
75 100
110 9.1 17.7 53.1#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.142 ug/l

RT: 7.285 min Scan# 912

Delta R.T. 0.000 min

Lab File: VD072137.D

Acq: 01 Mar 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

31421-22-23

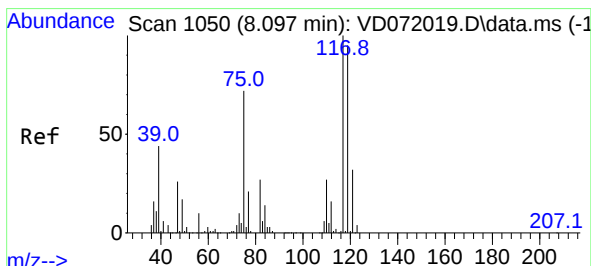
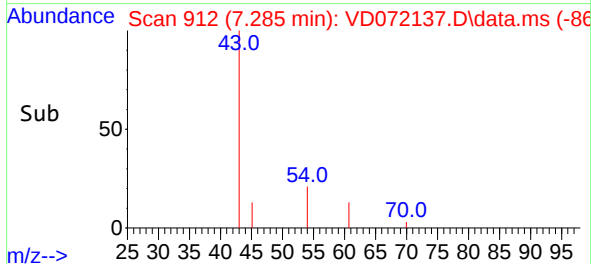
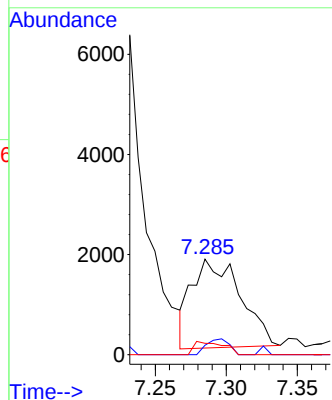
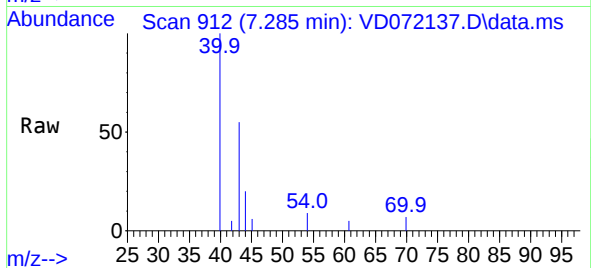
Tgt Ion: 43 Resp: 4205

Ion Ratio Lower Upper

43 100

61 8.3 9.8 14.8#

70 9.1 7.4 11.2



#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072137.D

Acq: 01 Mar 2022 14:05

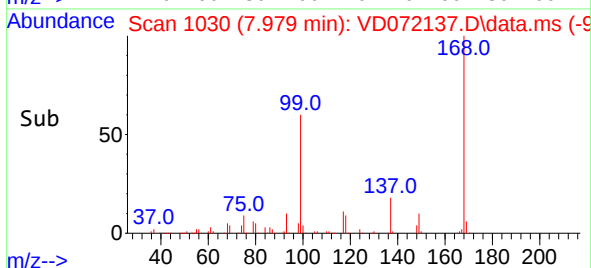
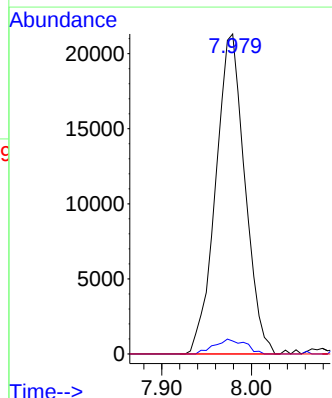
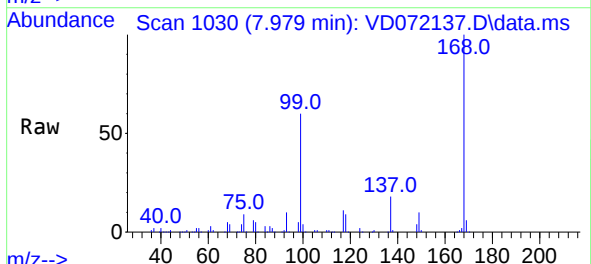
Tgt Ion: 117 Resp: 48132

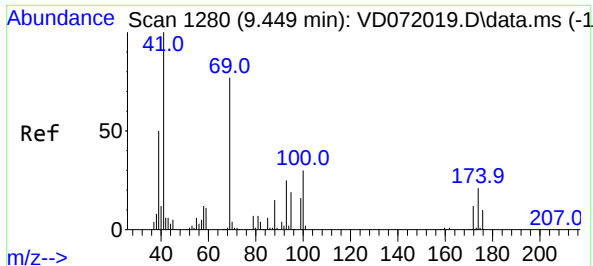
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 25.8 38.6#





#48

Methyl methacrylate

Concen: 2.908 ug/l

RT: 9.426 min Scan# 11

Delta R.T. -0.023 min

Lab File: VD072137.D

Acq: 01 Mar 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

31421-22-23

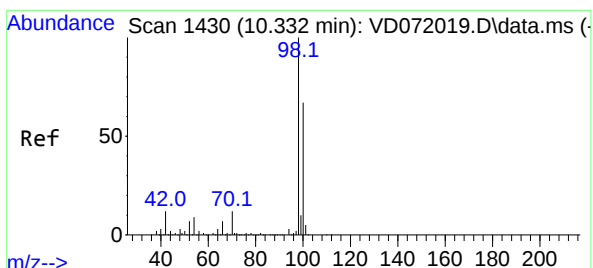
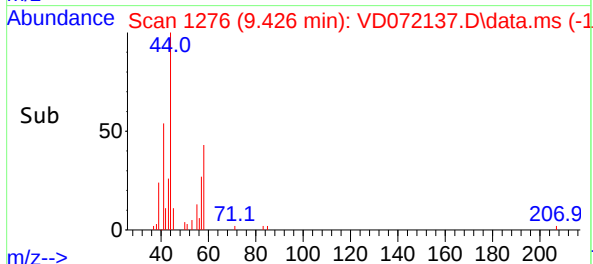
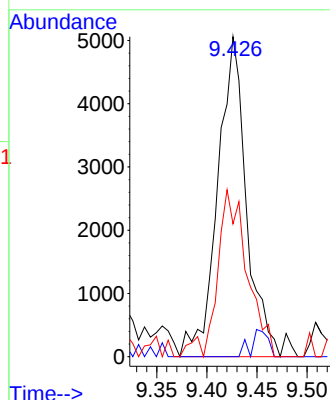
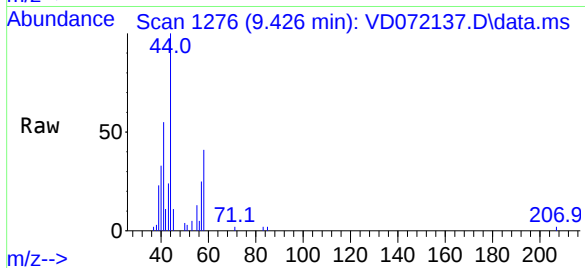
Tgt Ion: 41 Resp: 10070

Ion Ratio Lower Upper

41 100

69 0.0 61.6 92.4#

39 54.4 38.6 57.8



#50

Toluene-d8

Concen: 54.959 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072137.D

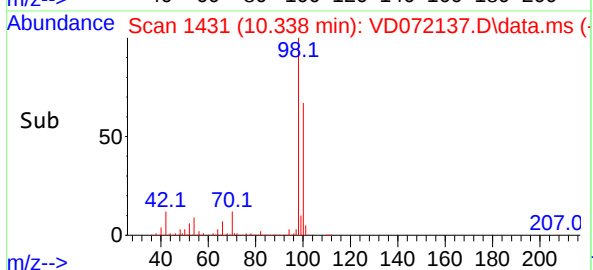
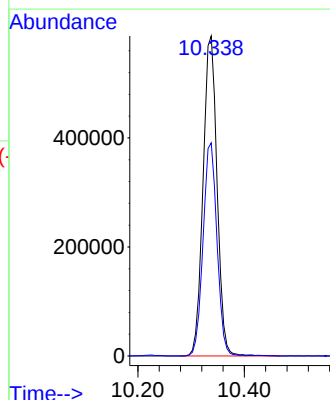
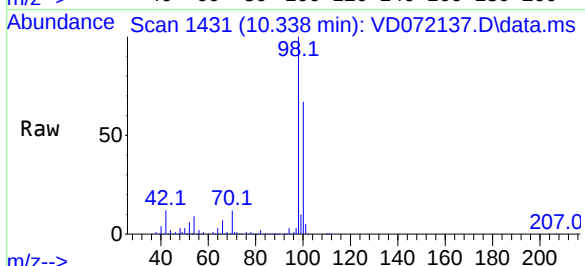
Acq: 01 Mar 2022 14:05

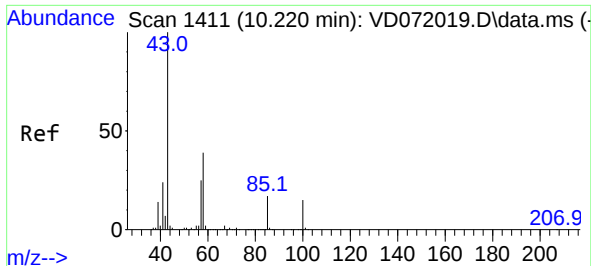
Tgt Ion: 98 Resp: 1068026

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6

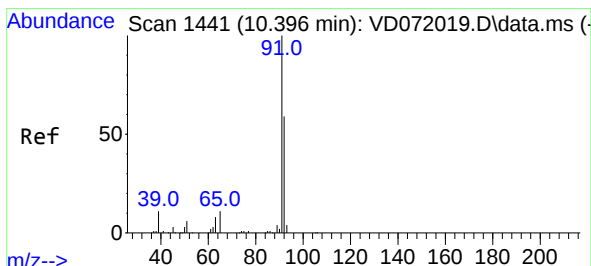
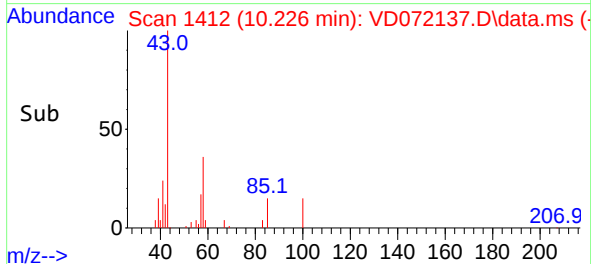
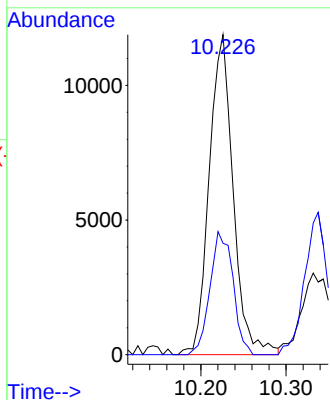
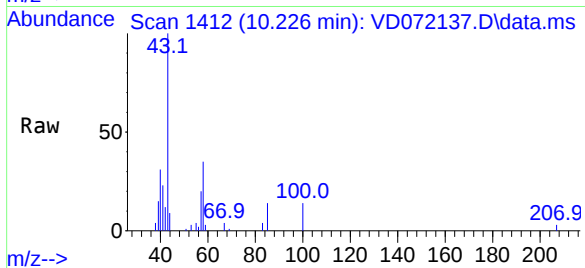




#51
4-Methyl-2-Pentanone
Concen: 6.402 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

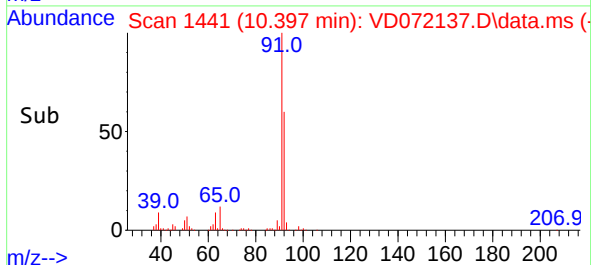
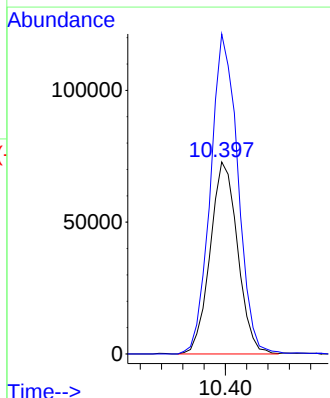
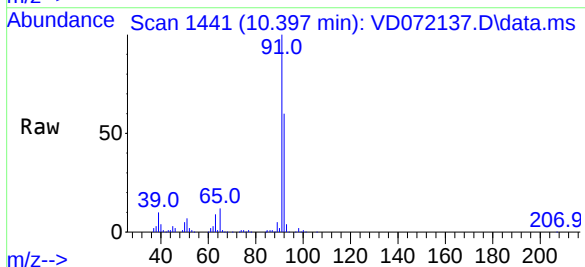
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

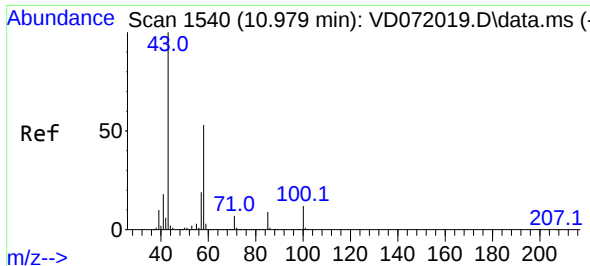
Tgt Ion: 43 Resp: 23257
Ion Ratio Lower Upper
43 100
58 36.8 30.8 46.2



#52
Toluene
Concen: 9.088 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 92 Resp: 130268
Ion Ratio Lower Upper
92 100
91 166.3 135.6 203.4

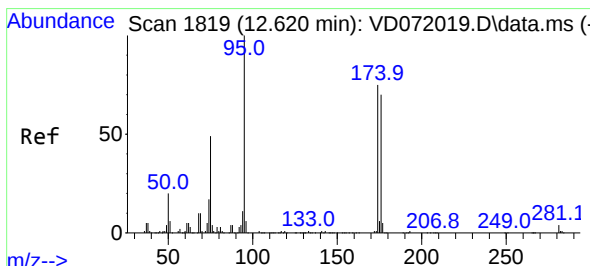
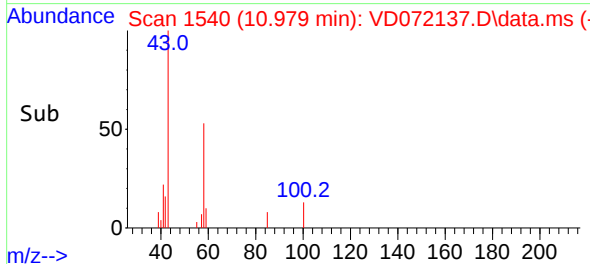
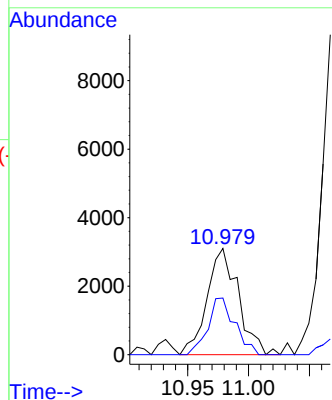
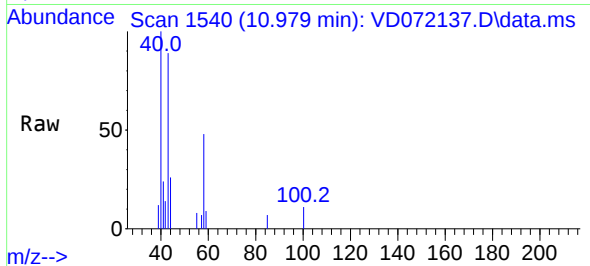




#59
2-Hexanone
Concen: 2.248 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

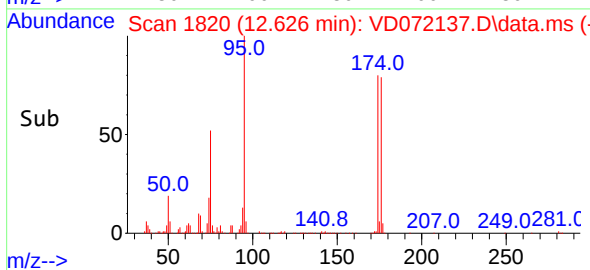
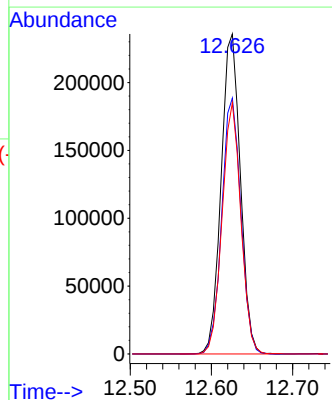
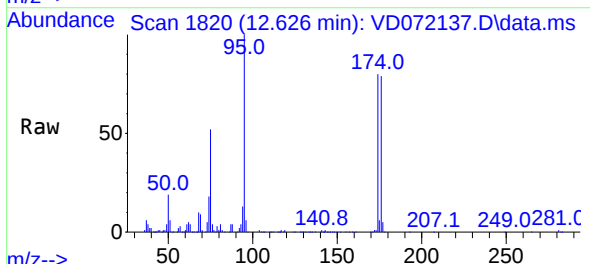
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

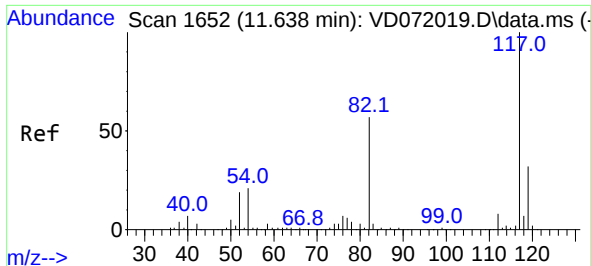
Tgt Ion: 43 Resp: 5571
Ion Ratio Lower Upper
43 100
58 45.7 27.0 80.8



#62
4-Bromofluorobenzene
Concen: 54.388 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 95 Resp: 388238
Ion Ratio Lower Upper
95 100
174 79.5 0.0 155.0
176 76.4 0.0 148.8

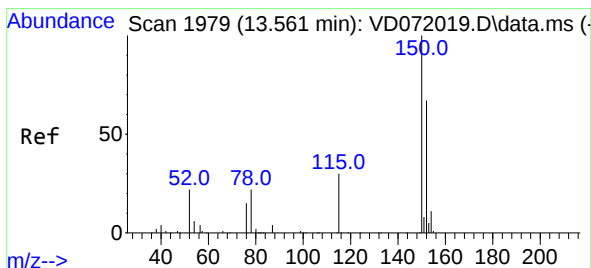
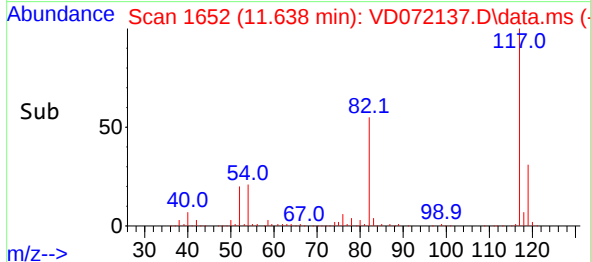
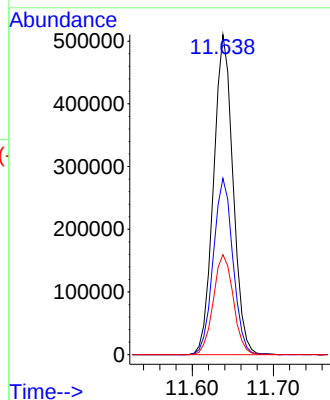
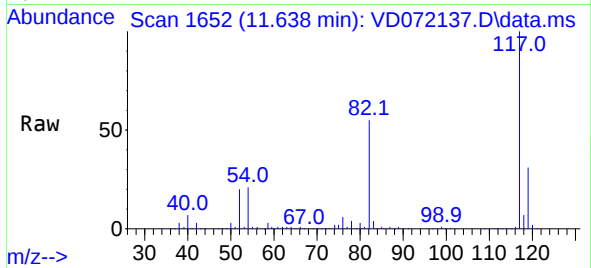




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

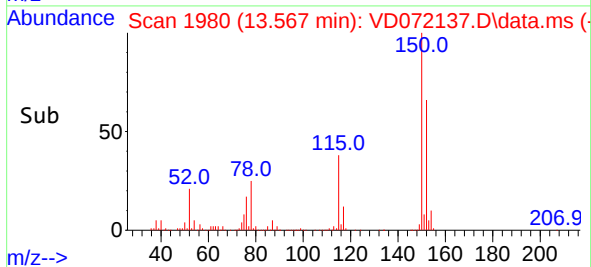
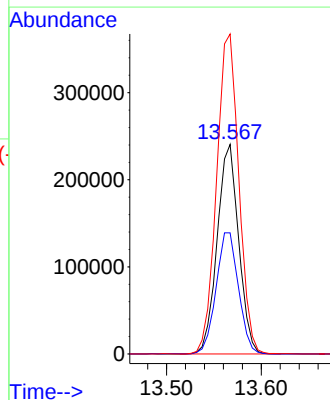
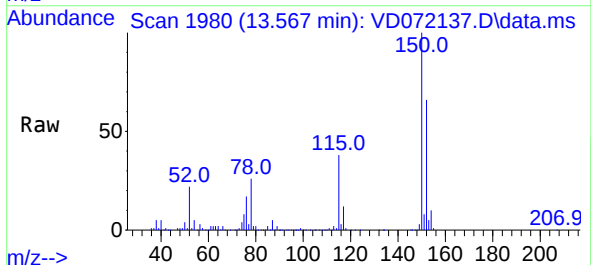
Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

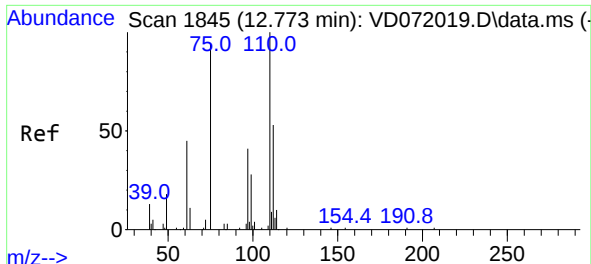
Tgt Ion:117 Resp: 850023
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.0
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion:152 Resp: 379833
Ion Ratio Lower Upper
152 100
115 60.3 29.9 89.7
150 157.7 0.0 347.6

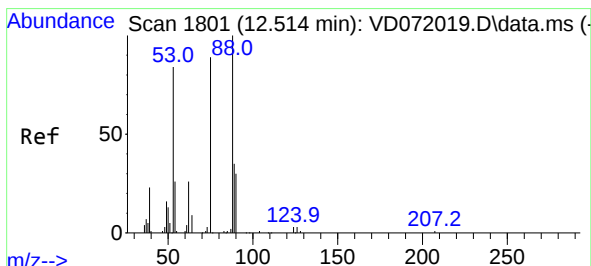
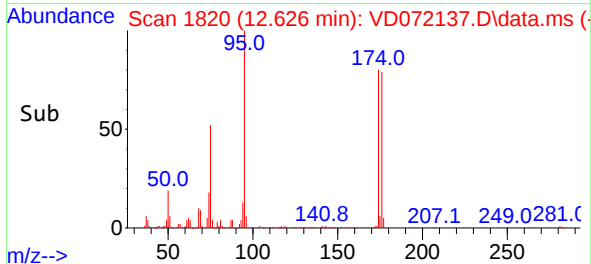
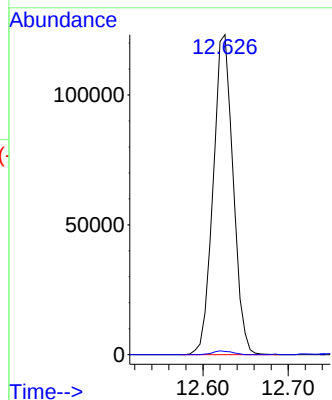
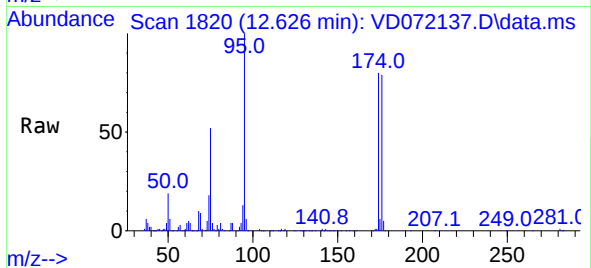




#76
1,2,3-Trichloropropane
Concen: 55.692 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Instrument :
MSVOA_D
ClientSampleId :
31421-22-23

Tgt Ion: 75 Resp: 200373
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.465 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072137.D
Acq: 01 Mar 2022 14:05

Tgt Ion: 75 Resp: 200373
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.4#
89 0.0 36.4 54.6#

