

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012822\
 Data File : VD071825.D
 Acq On : 28 Jan 2022 15:46
 Operator : VA/SY
 Sample : N1312-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-012722

Quant Time: Jan 29 04:51:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

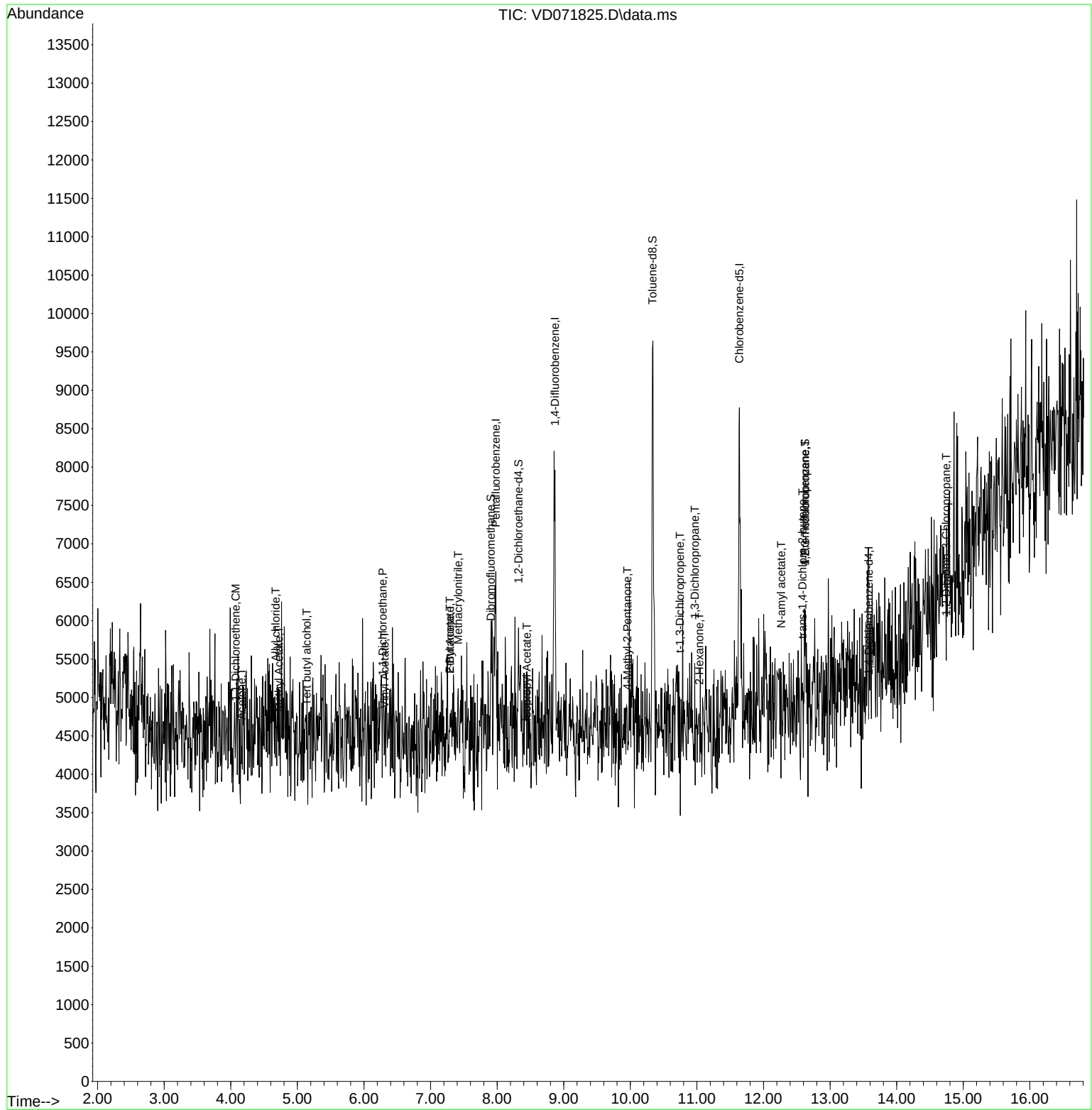
Internal Standards						
1) Pentafluorobenzene	7.979	168	1831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	2719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	2541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	66	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	1212	52.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.740%	
35) Dibromofluoromethane	7.903	113	686	38.382	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.760%	
50) Toluene-d8	10.332	98	4014	60.136	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.280%	
62) 4-Bromofluorobenzene	12.626	95	789	33.849	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.138	59	65	6.704	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	72	3.579	ug/l #	1
14) Allyl chloride	4.673	41	56	1.460	ug/l #	22
16) Acetone	4.162	43	179	28.255	ug/l #	47
18) Methyl Acetate	4.720	43	59	4.307	ug/l #	55
23) Vinyl Acetate	6.309	43	70	1.688	ug/l #	75
24) 1,1-Dichloroethane	6.279	63	92	2.100	ug/l #	82
25) 2-Butanone	7.291	43	77	10.426	ug/l #	52
37) Ethyl Acetate	7.291	43	77	5.399	ug/l #	72
41) Methacrylonitrile	7.414	41	94	11.650	ug/l #	27
43) Isopropyl Acetate	8.444	43	55	2.146	ug/l #	54
51) 4-Methyl-2-Pentanone	9.956	43	63	4.697	ug/l #	39
53) t-1,3-Dichloropropene	10.744	75	56	2.062	ug/l #	44
57) 1,3-Dichloropropane	10.967	76	54	2.039	ug/l #	42
59) 2-Hexanone	11.038	43	54	5.546	ug/l #	27
74) N-amyl acetate	12.267	43	61	48.535	ug/l #	45
76) 1,2,3-Trichloropropane	12.626	75	314	451.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.585	75	55	194.423	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.743	75	61	389.451	ug/l #	6

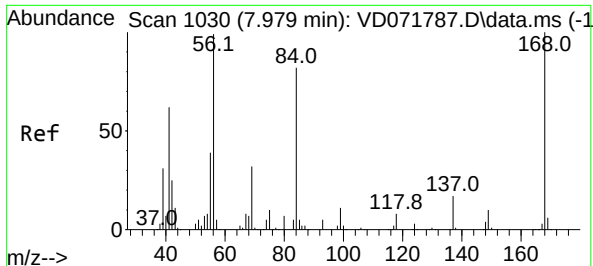
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

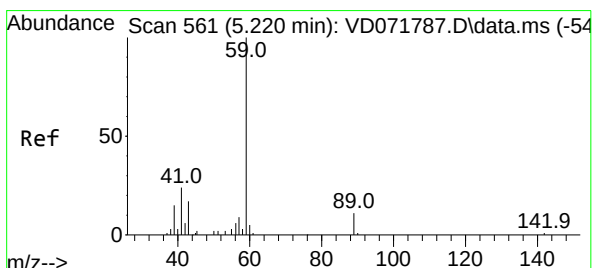
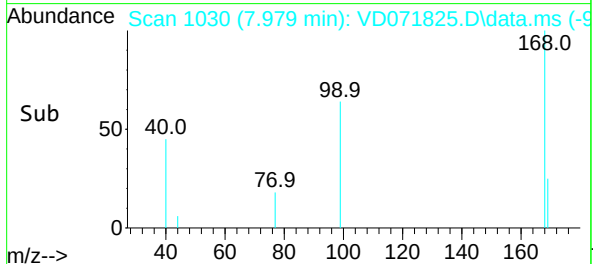
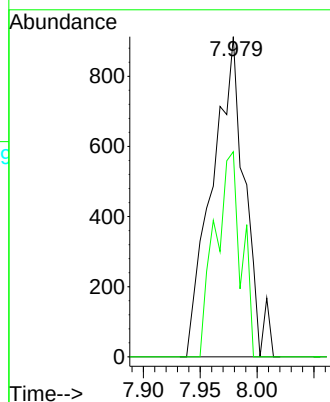
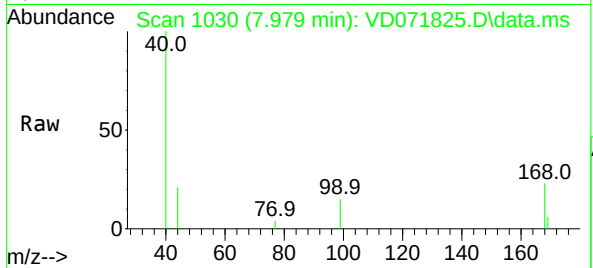




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

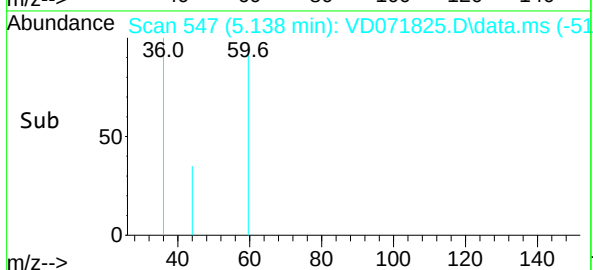
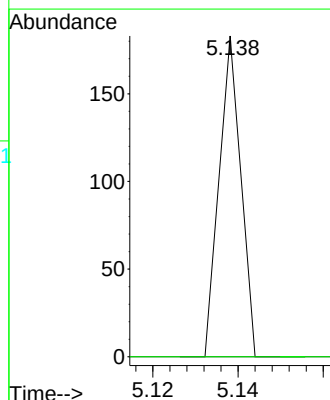
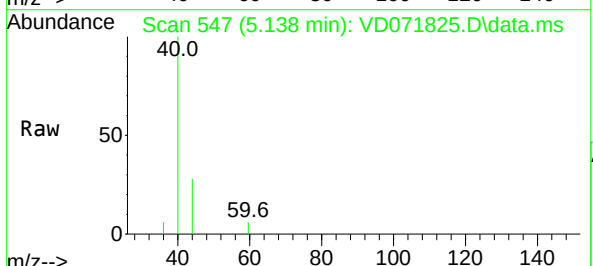
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

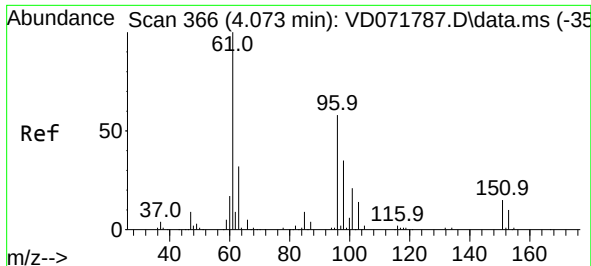
Tgt Ion:168 Resp: 1831
Ion Ratio Lower Upper
168 100
99 64.1 49.8 74.6



#11
Tert butyl alcohol
Concen: 6.704 ug/l
RT: 5.138 min Scan# 547
Delta R.T. -0.082 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

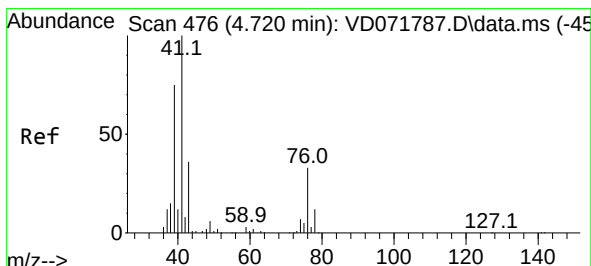
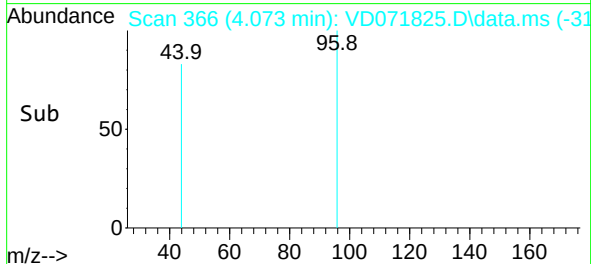
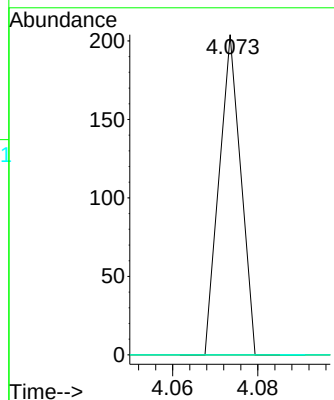
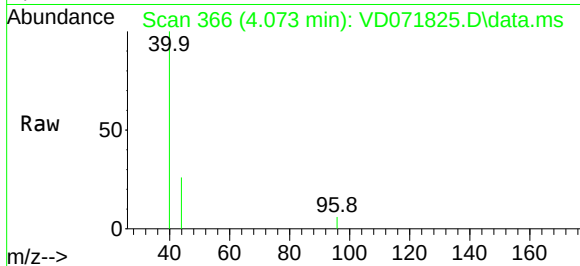




#12
1,1-Dichloroethene
Concen: 3.579 ug/l
RT: 4.073 min Scan# 30
Delta R.T. 0.000 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

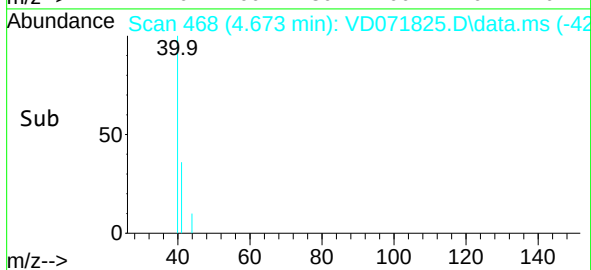
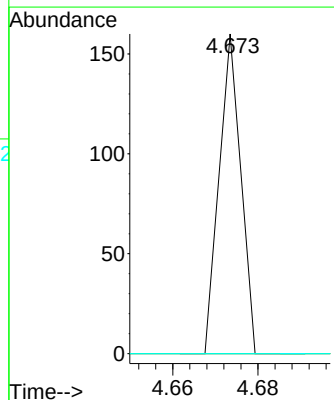
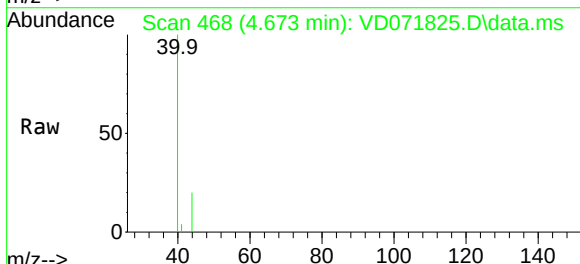
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

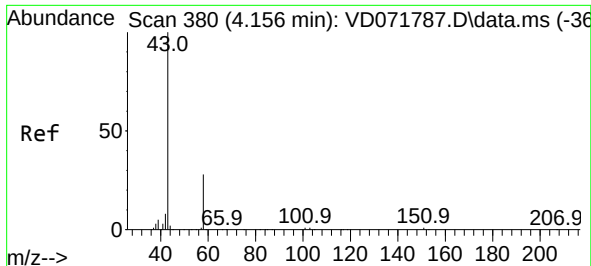
Tgt Ion: 96 Resp: 72
Ion Ratio Lower Upper
96 100
61 0.0 138.5 207.7#
98 0.0 48.6 73.0#



#14
Allyl chloride
Concen: 1.460 ug/l
RT: 4.673 min Scan# 468
Delta R.T. -0.047 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

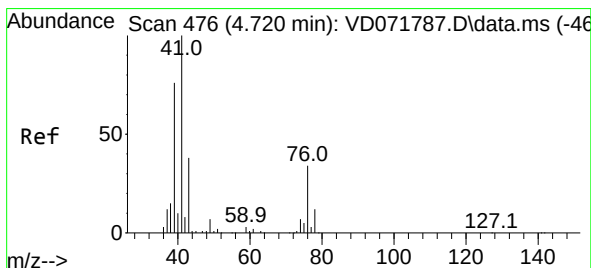
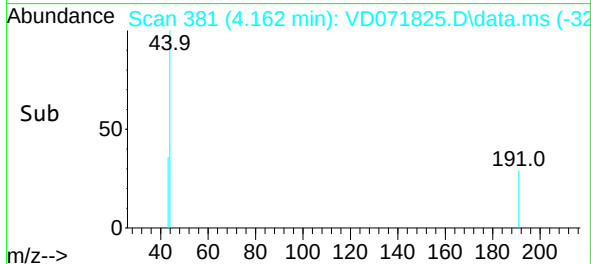
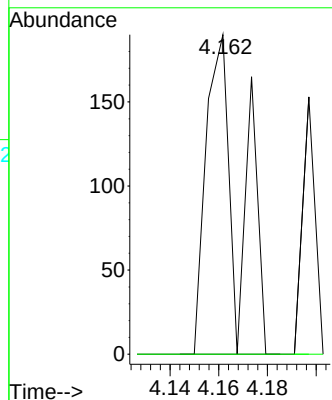
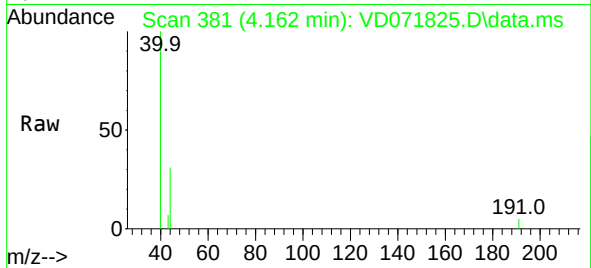




#16
Acetone
Concen: 28.255 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

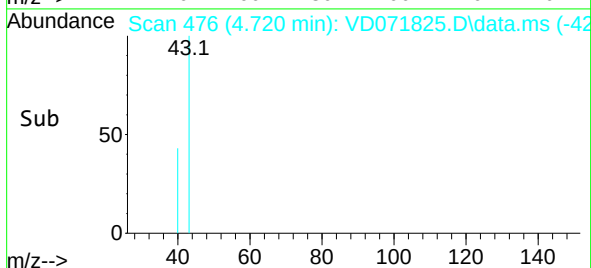
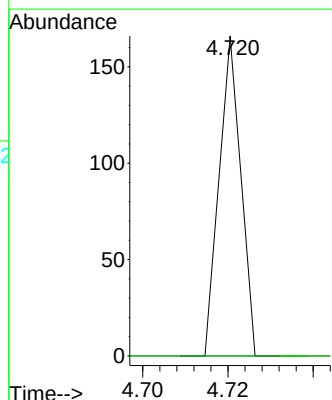
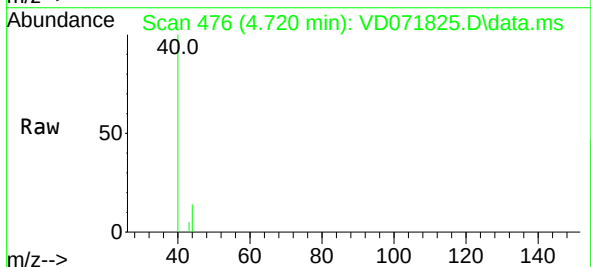
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

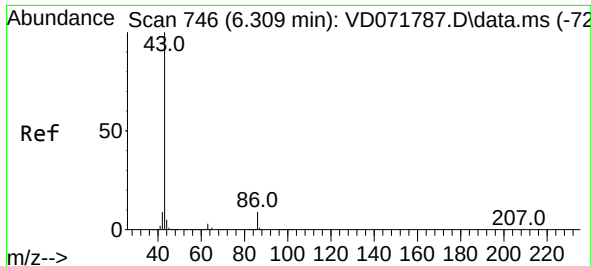
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 4.307 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

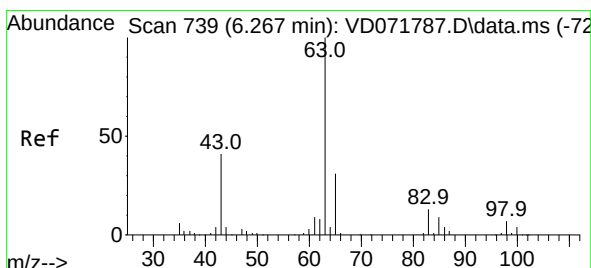
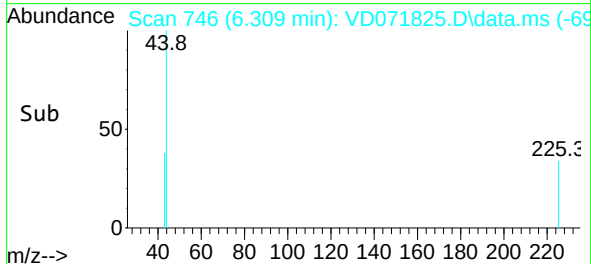
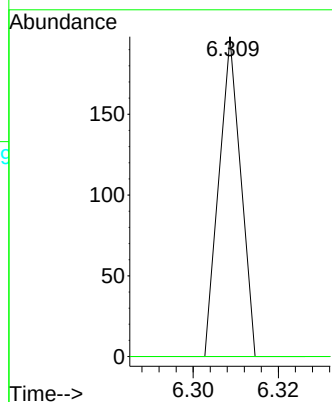
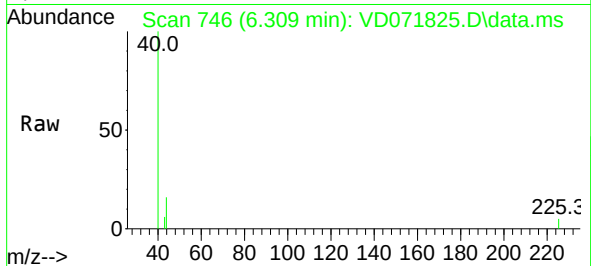




#23
 Vinyl Acetate
 Concen: 1.688 ug/l
 RT: 6.309 min Scan# 741
 Delta R.T. 0.000 min
 Lab File: VD071825.D
 Acq: 28 Jan 2022 15:46

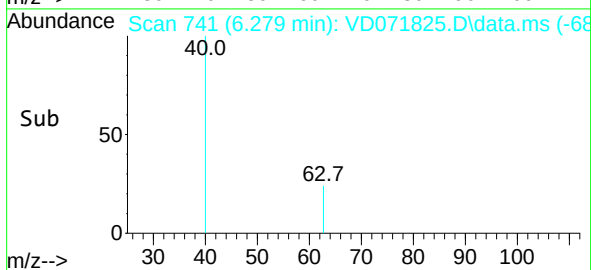
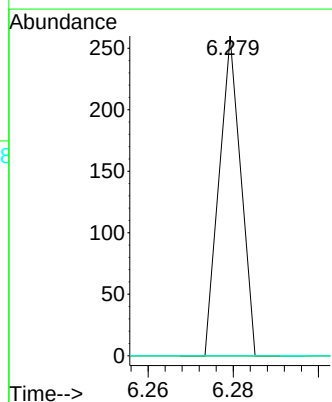
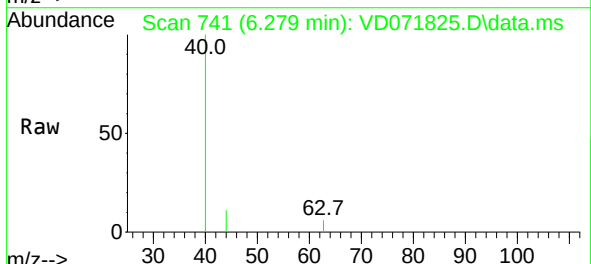
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-012722

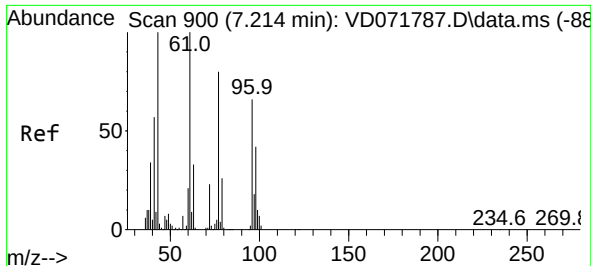
Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 2.100 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. 0.012 min
 Lab File: VD071825.D
 Acq: 28 Jan 2022 15:46

Tgt Ion: 63 Resp: 92
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.9#
 100 0.0 2.1 6.5#

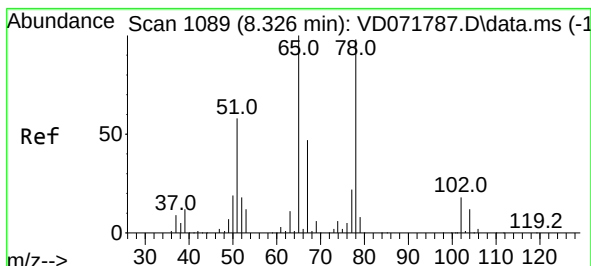
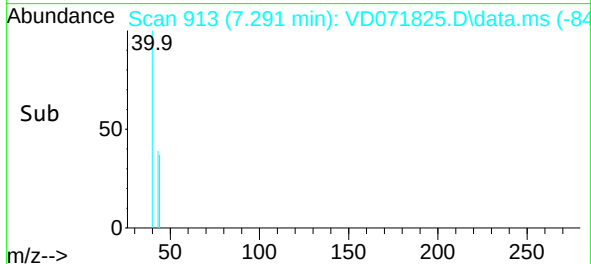
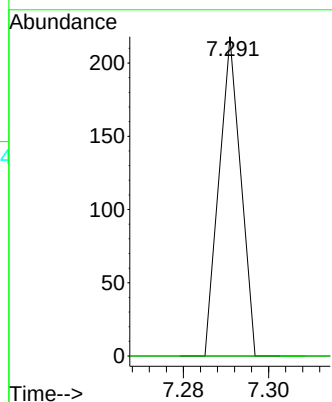
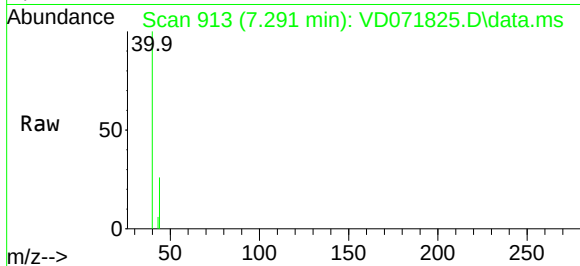




#25
2-Butanone
Concen: 10.426 ug/l
RT: 7.291 min Scan# 91
Delta R.T. 0.077 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

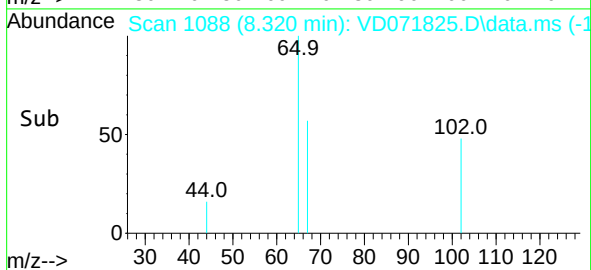
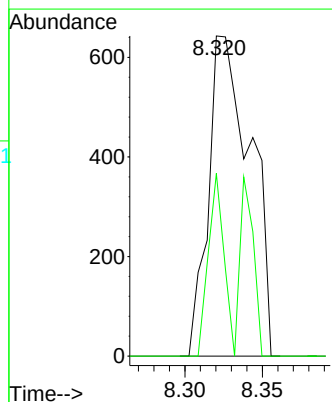
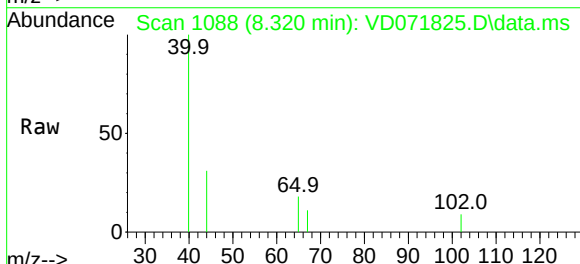
Instrument :
MSVOA_D
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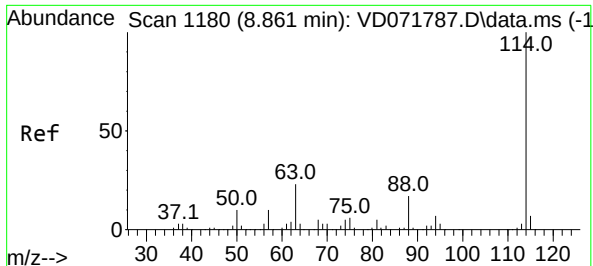
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#33
1,2-Dichloroethane-d4
Concen: 52.370 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 65 Resp: 1212
Ion Ratio Lower Upper
65 100
67 21.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071825.D

Acq: 28 Jan 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

OR-03-012722

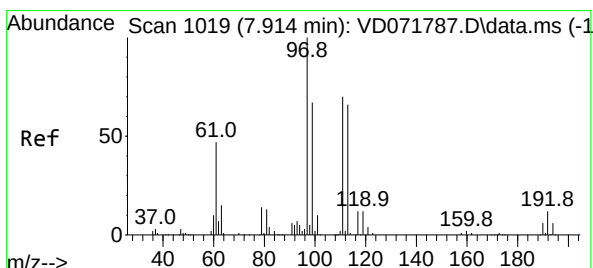
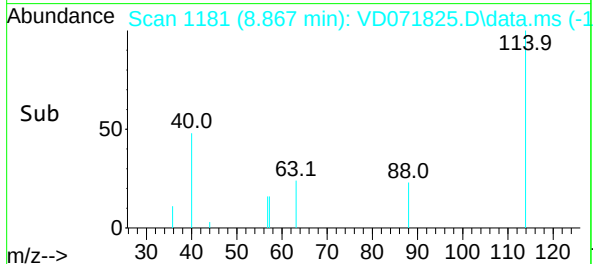
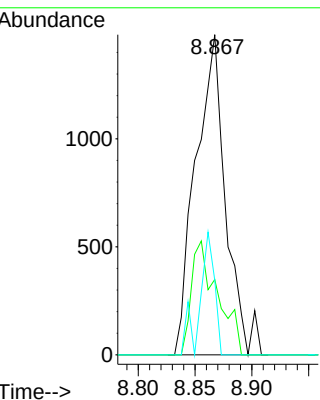
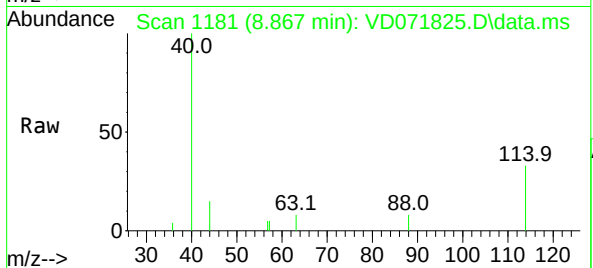
Tgt Ion:114 Resp: 2719

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.6

88 23.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 38.382 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.012 min

Lab File: VD071825.D

Acq: 28 Jan 2022 15:46

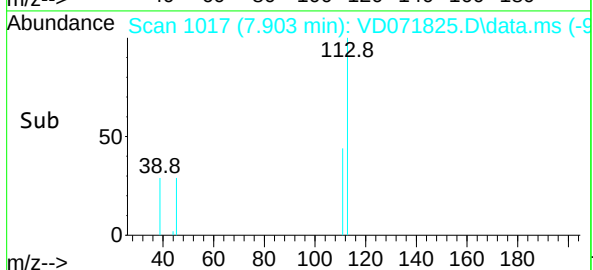
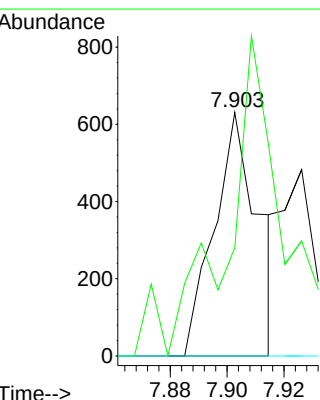
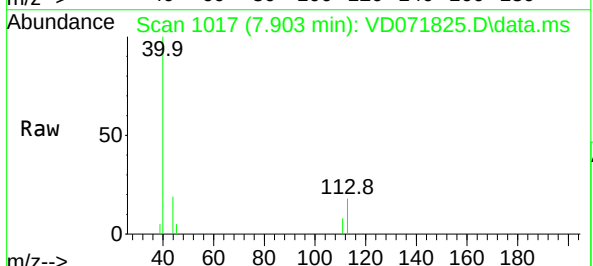
Tgt Ion:113 Resp: 686

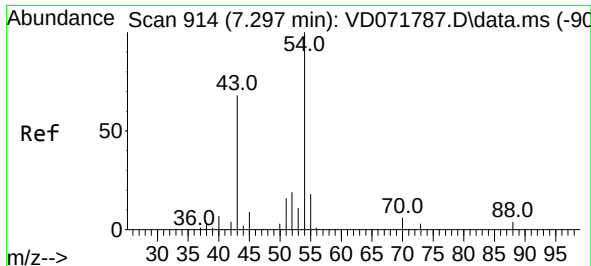
Ion Ratio Lower Upper

113 100

111 165.0 83.8 125.6#

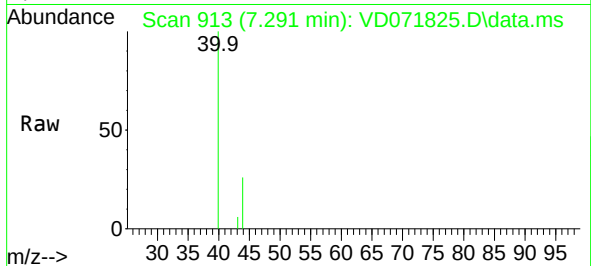
192 0.0 14.6 21.8#



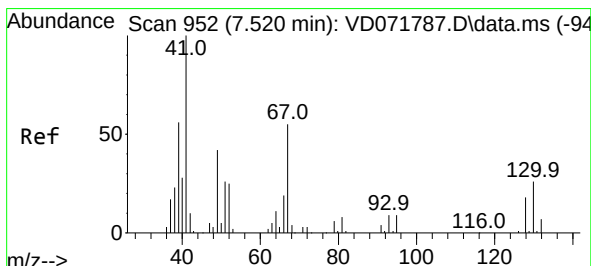
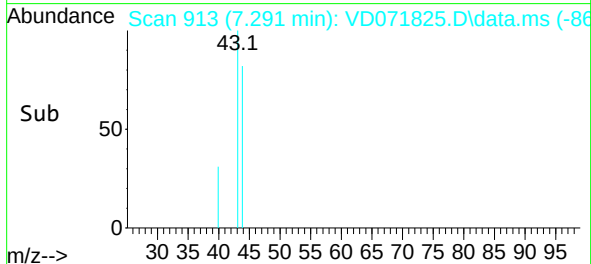
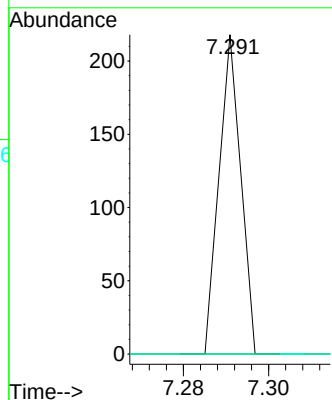


#37
Ethyl Acetate
Concen: 5.399 ug/l
RT: 7.291 min Scan# 913
Delta R.T. -0.006 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

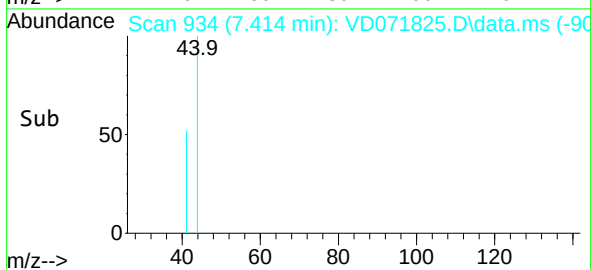
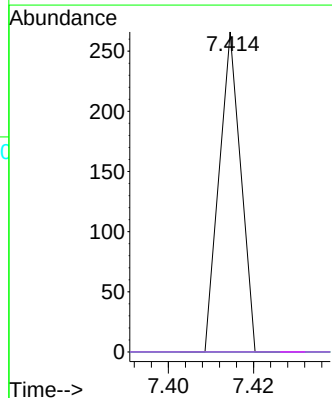
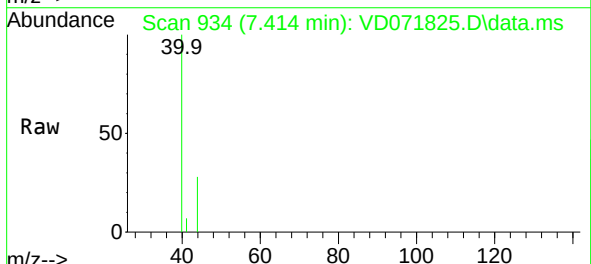


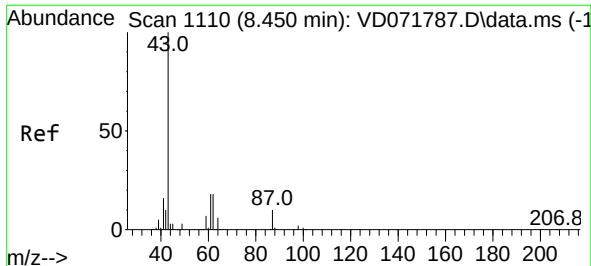
Tgt Ion:	43	Resp:	77
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	6.9	10.3#



#41
Methacrylonitrile
Concen: 11.650 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.106 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion:	41	Resp:	94
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#





#43

Isopropyl Acetate

Concen: 2.146 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD071825.D

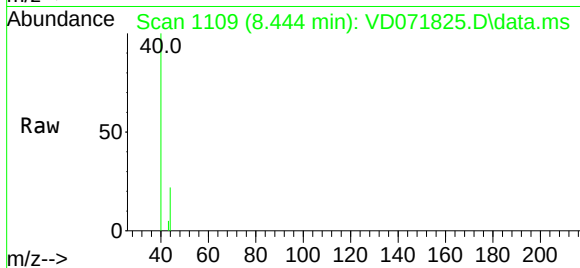
Acq: 28 Jan 2022 15:46

Instrument :

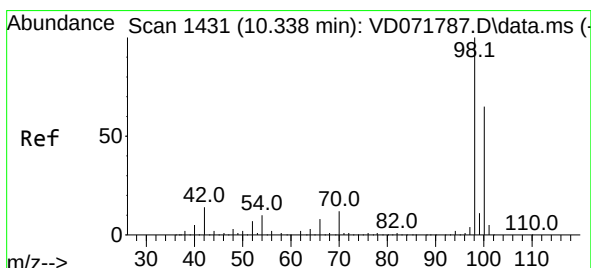
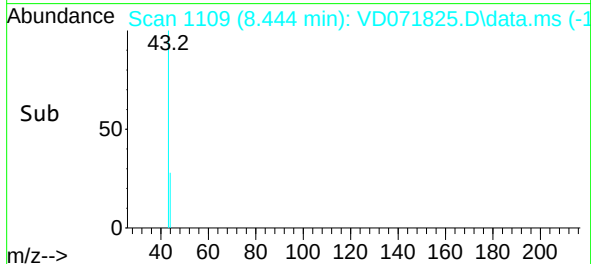
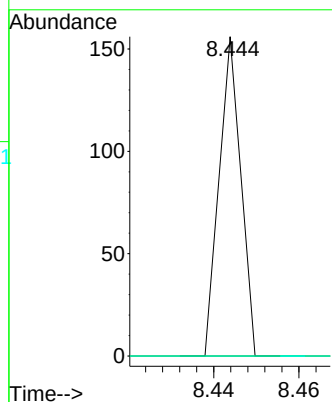
MSVOA_D

ClientSampleId :

OR-03-012722



Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43	100
61	0.0 22.4 33.6#
87	0.0 8.7 13.1#



#50

Toluene-d8

Concen: 60.136 ug/l

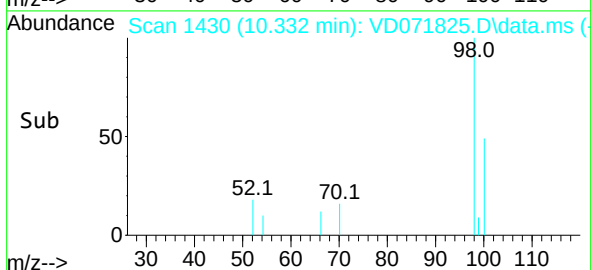
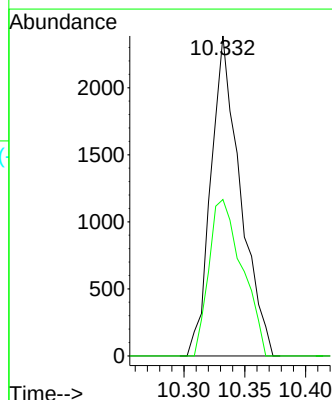
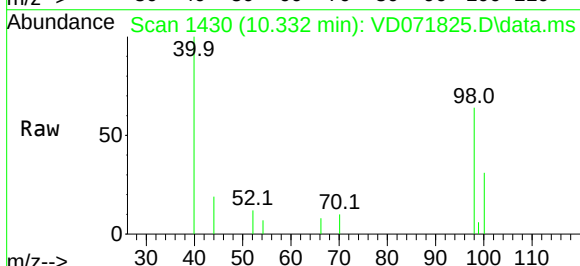
RT: 10.332 min Scan# 1430

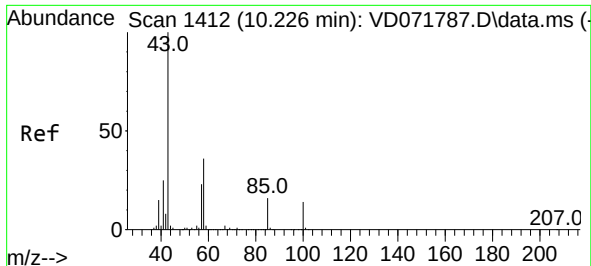
Delta R.T. -0.006 min

Lab File: VD071825.D

Acq: 28 Jan 2022 15:46

Tgt Ion: 98	Resp: 4014
Ion Ratio	Lower Upper
98	100
100	55.4 52.4 78.6

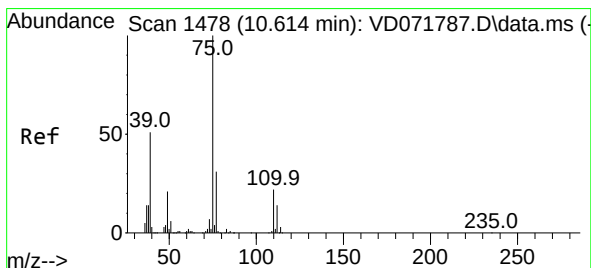
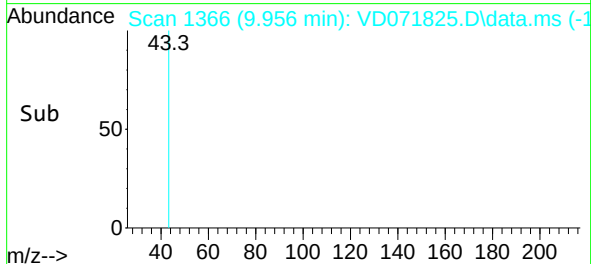
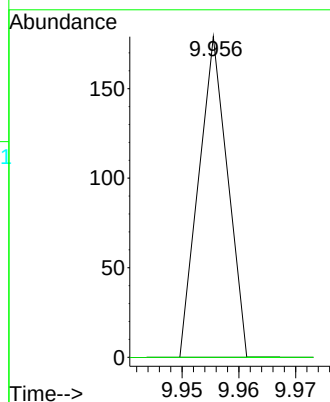
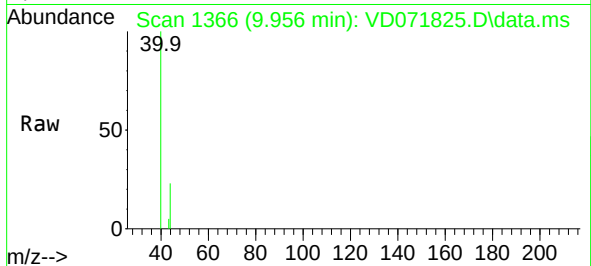




#51
4-Methyl-2-Pentanone
Concen: 4.697 ug/l
RT: 9.956 min Scan# 11
Delta R.T. -0.271 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

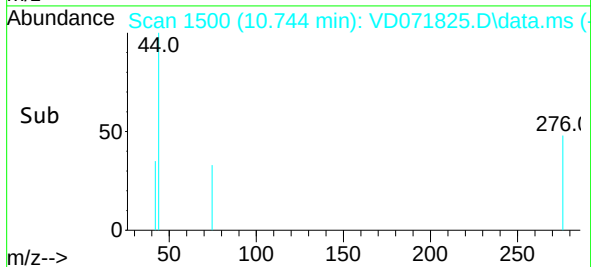
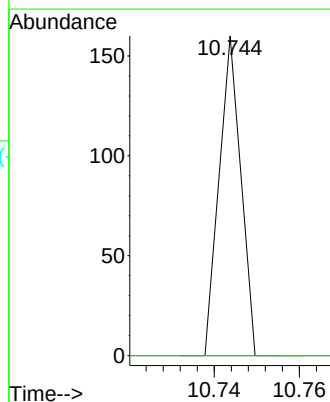
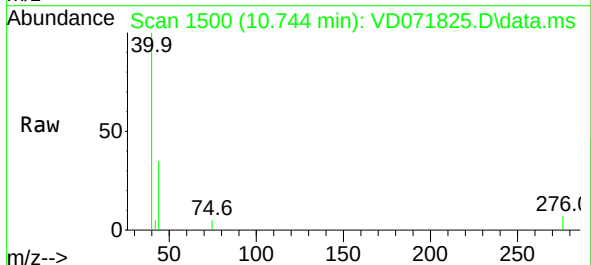
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

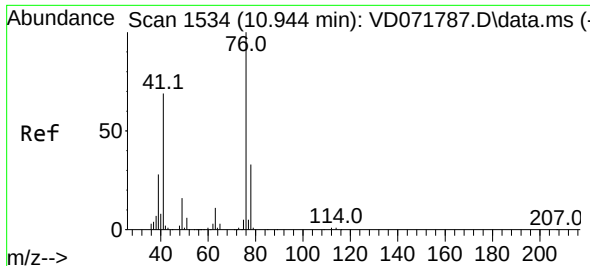
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.062 ug/l
RT: 10.744 min Scan# 1500
Delta R.T. 0.129 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#





#57

1,3-Dichloropropane

Concen: 2.039 ug/l

RT: 10.967 min Scan# 1538

Delta R.T. 0.024 min

Lab File: VD071825.D

Acq: 28 Jan 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

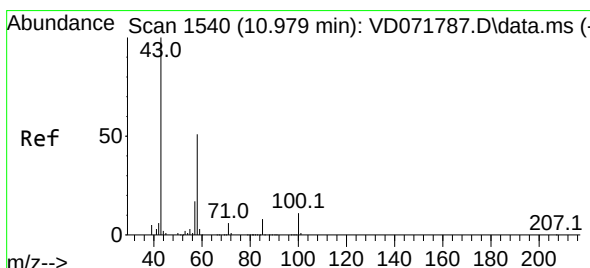
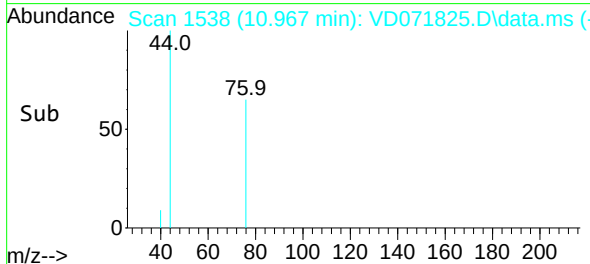
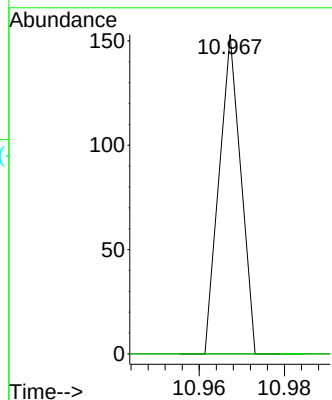
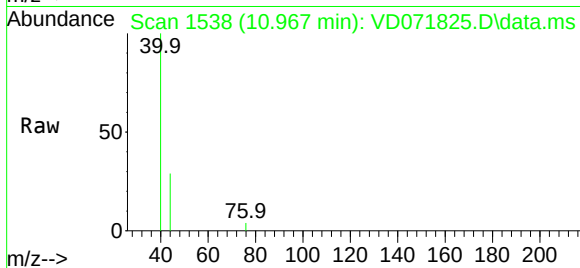
OR-03-012722

Tgt Ion: 76 Resp: 54

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 5.546 ug/l

RT: 11.038 min Scan# 1550

Delta R.T. 0.059 min

Lab File: VD071825.D

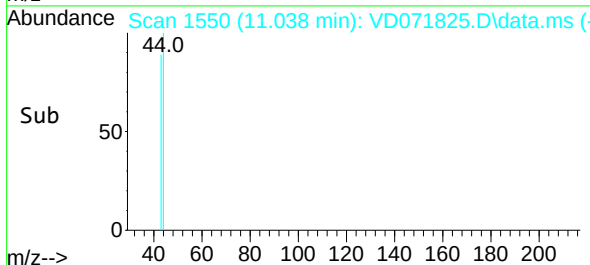
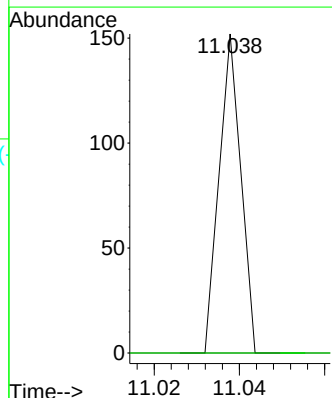
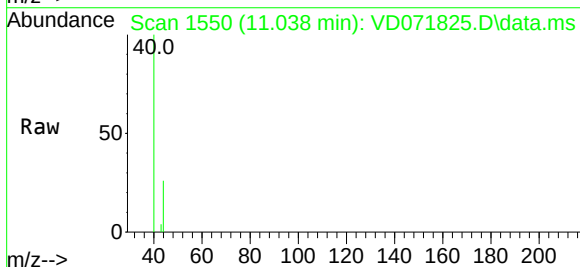
Acq: 28 Jan 2022 15:46

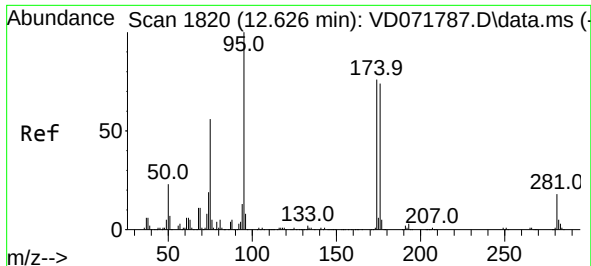
Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

58 0.0 25.3 75.9#

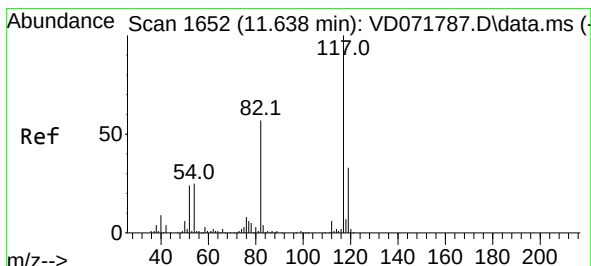
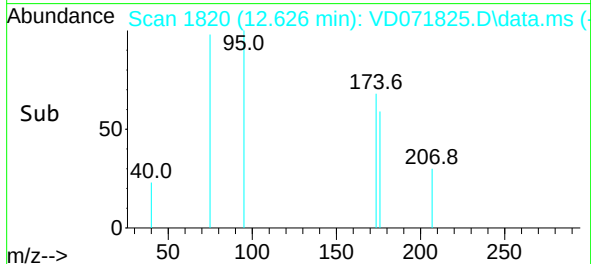
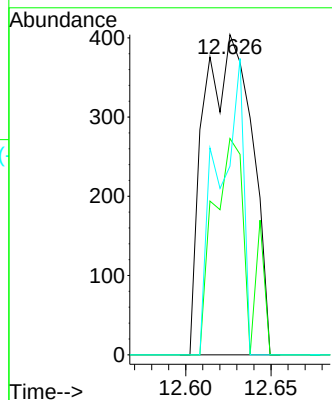
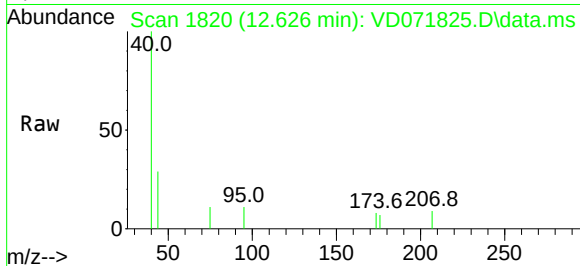




#62
4-Bromofluorobenzene
Concen: 33.849 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

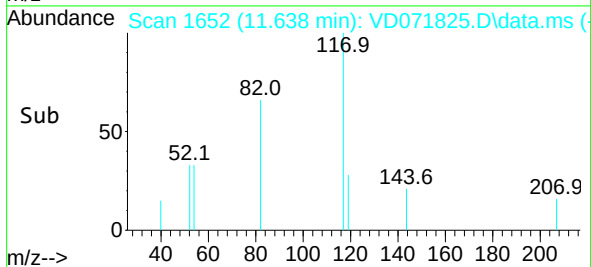
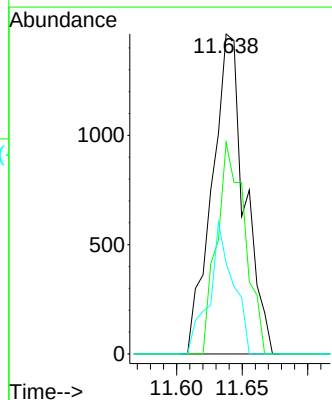
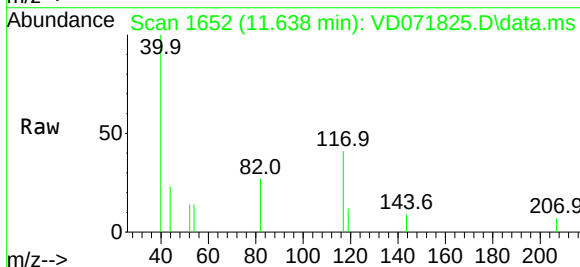
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

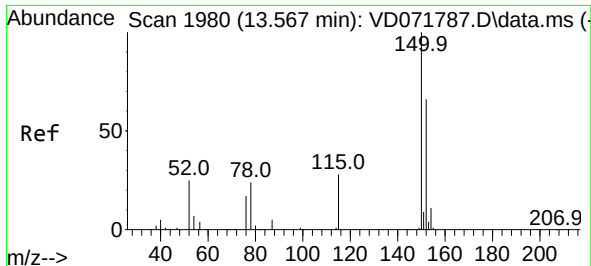
Tgt Ion: 95 Resp: 789
Ion Ratio Lower Upper
95 100
174 48.0 0.0 152.8
176 48.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 117 Resp: 2541
Ion Ratio Lower Upper
117 100
82 66.1 45.3 67.9
119 28.4 26.6 40.0

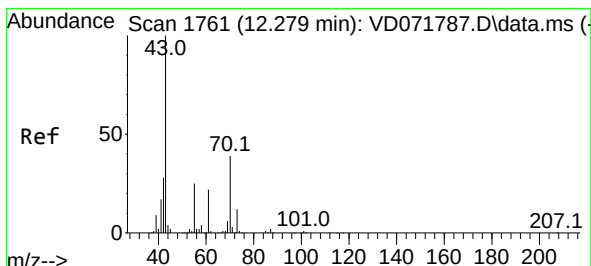
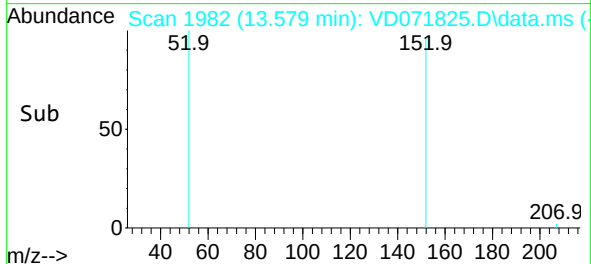
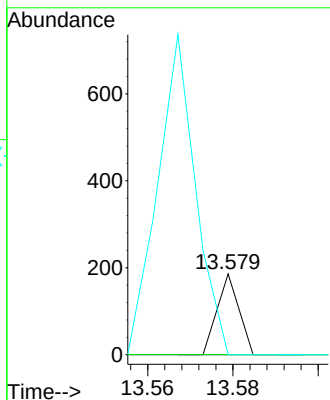
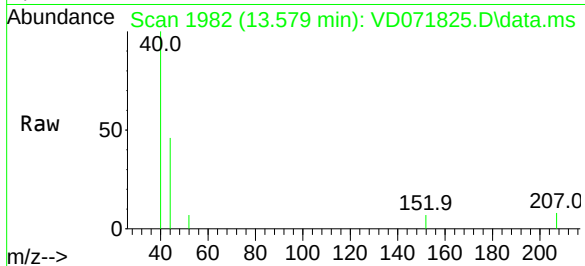




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.012 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

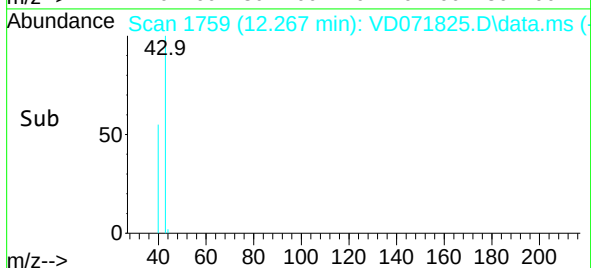
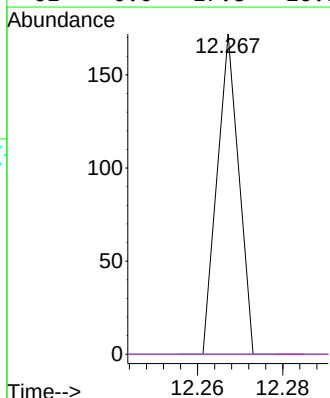
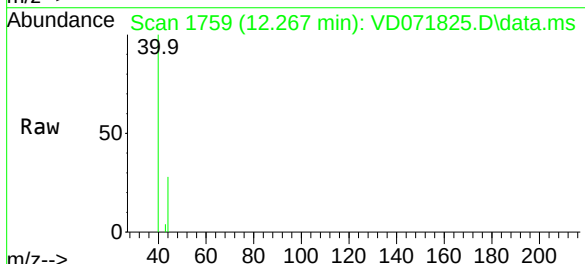
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

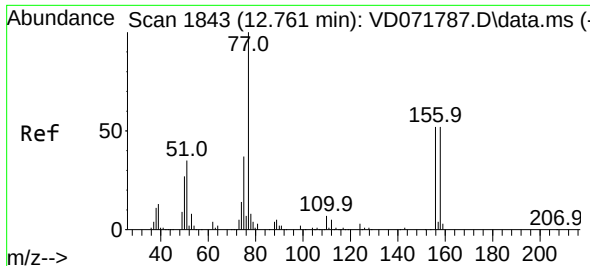
Tgt Ion:152 Resp: 66
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 687.9 0.0 348.6#



#74
N-ethyl acetate
Concen: 48.535 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

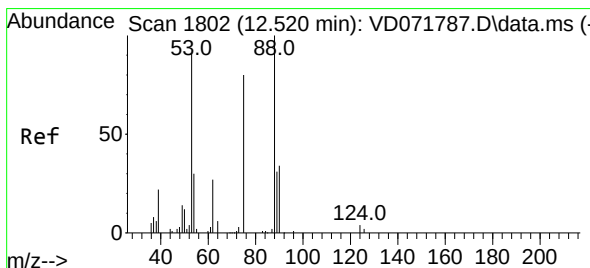
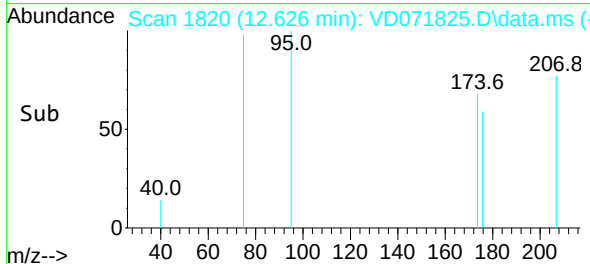
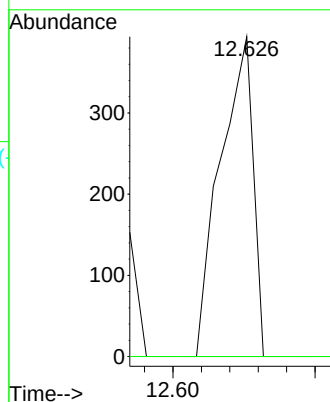
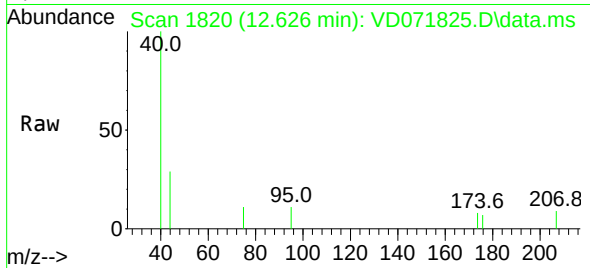




#76
1,2,3-Trichloropropane
Concen: 451.436 ug/l
RT: 12.626 min Scan# 1812
Delta R.T. -0.147 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

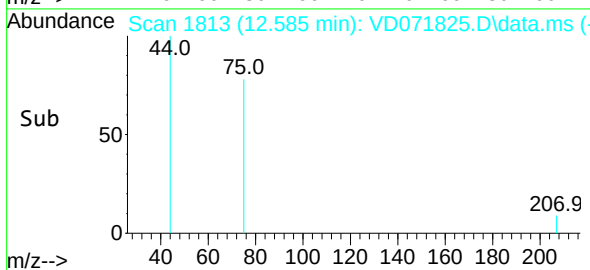
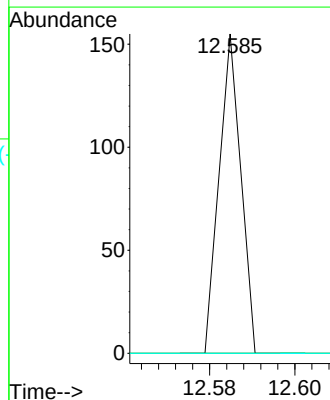
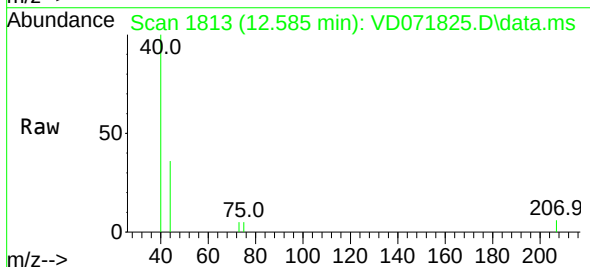
Instrument :
MSVOA_D
ClientSampleId :
OR-03-012722

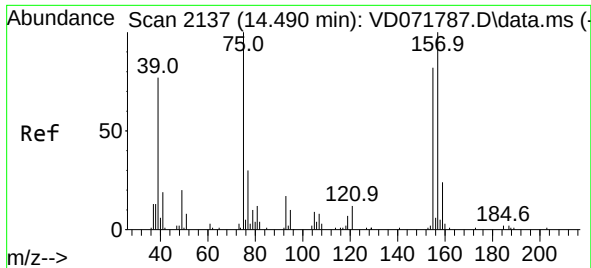
Tgt Ion: 75 Resp: 314
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 194.423 ug/l
RT: 12.585 min Scan# 1813
Delta R.T. 0.065 min
Lab File: VD071825.D
Acq: 28 Jan 2022 15:46

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 389.451 ug/l

RT: 14.743 min Scan# 21

Delta R.T. 0.253 min

Lab File: VD071825.D

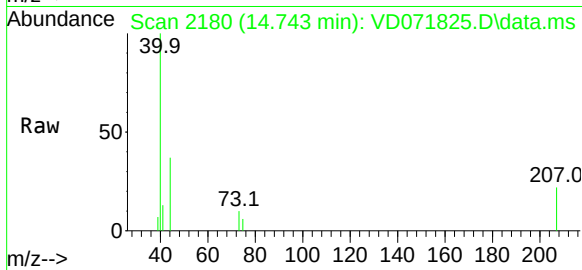
Acq: 28 Jan 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

OR-03-012722



Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 0.0 48.4 145.0#

