

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077324.D
 Acq On : 12 Oct 2023 18:33
 Operator : JC/SY
 Sample : 04858-01
 Misc : 5.98G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 13 02:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

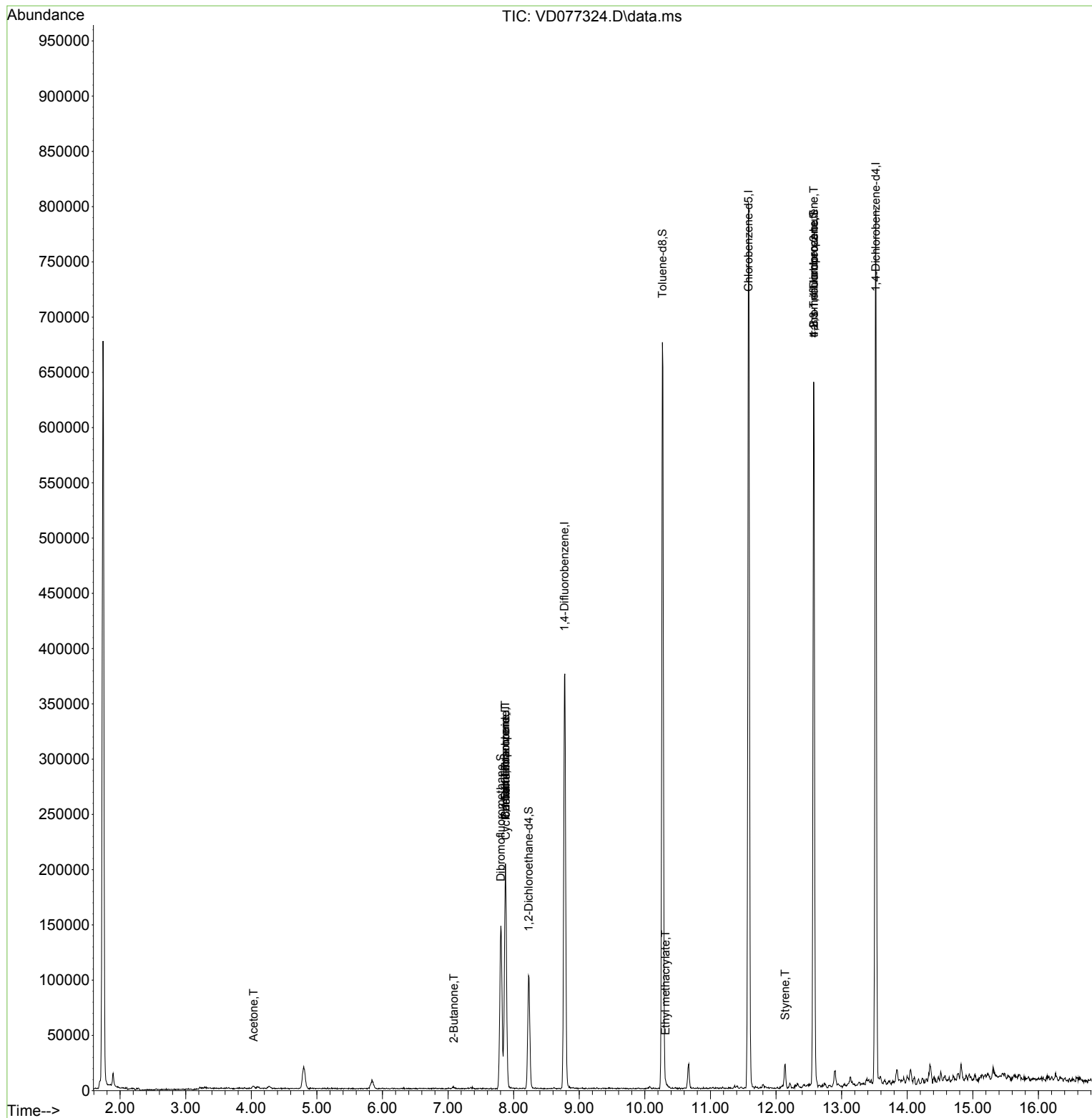
Internal Standards						
1) Pentafluorobenzene	7.875	168	153545	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	352000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	482470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	210449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76271	63.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.360%	
35) Dibromofluoromethane	7.804	113	109149	59.548	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.100%	
50) Toluene-d8	10.269	98	480512	78.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 156.360%#	
62) 4-Bromofluorobenzene	12.575	95	194190	94.070	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 188.140%#	
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	3505	9.292	ug/l	100
20) Methylene Chloride	4.805	84	15845	Below Cal	#	93
25) 2-Butanone	7.087	43	580	1.147	ug/l	# 37
31) Cyclohexane	7.881	56	2976	1.016	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	13360	3.901	ug/l	# 45
38) Carbon Tetrachloride	7.875	117	15988	5.184	ug/l	# 14
56) Ethyl methacrylate	10.316	69	89	1.687	ug/l	# 1
70) Styrene	12.140	104	11842	1.056	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	99505	45.646	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	99505	102.019	ug/l	# 17

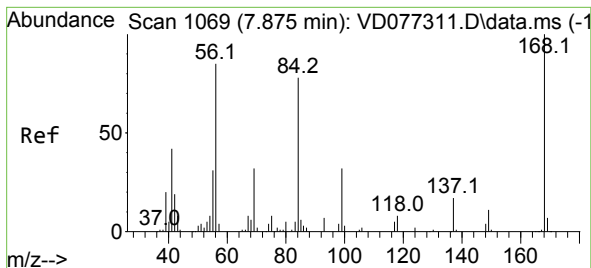
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 12 14:39:07 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: VD077324.D

Acq: 12 Oct 2023 18:33

Instrument :

MSVOA_D

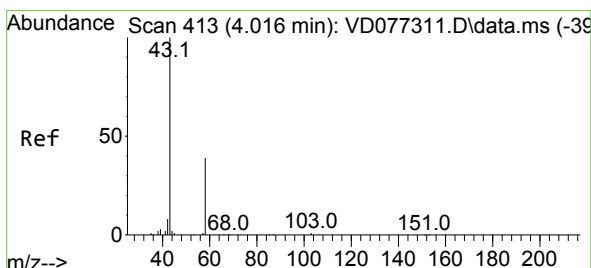
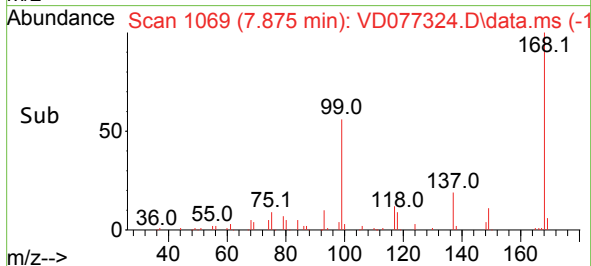
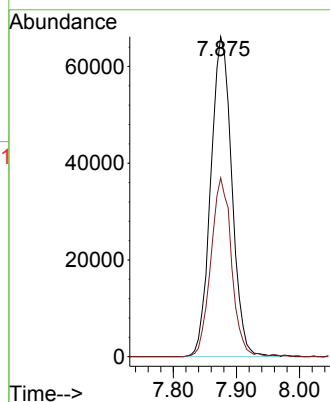
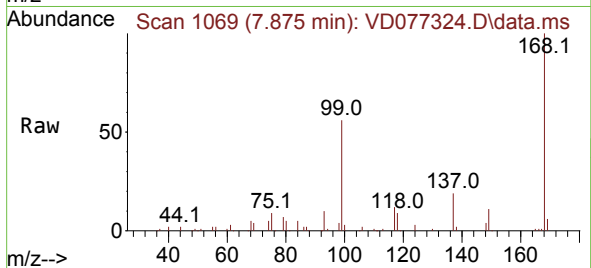
ClientSampleId :

Tgt Ion:168 Resp: 153545

Ion Ratio Lower Upper

168 100

99 55.8 36.7 55.1#



#16

Acetone

Concen: 9.292 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.018 min

Lab File: VD077324.D

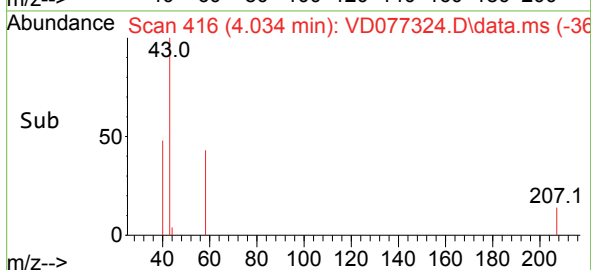
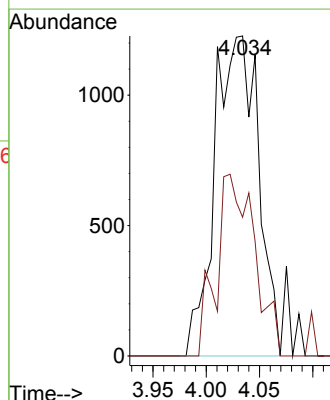
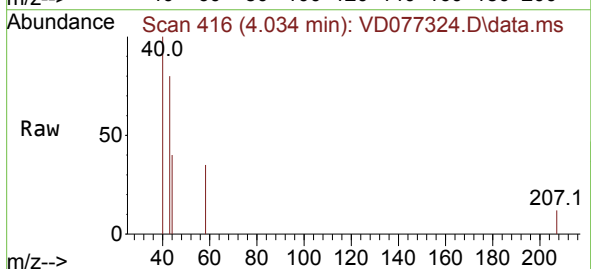
Acq: 12 Oct 2023 18:33

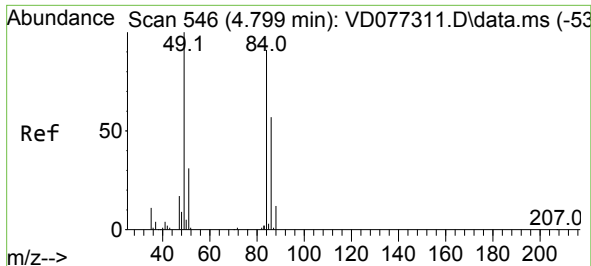
Tgt Ion: 43 Resp: 3505

Ion Ratio Lower Upper

43 100

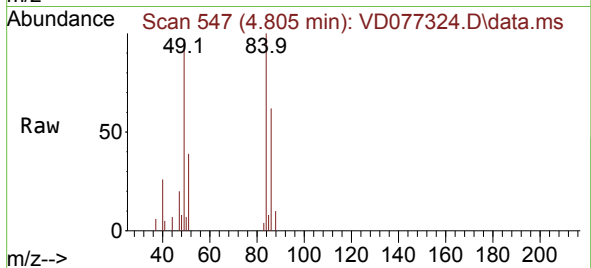
58 43.4 34.7 52.1



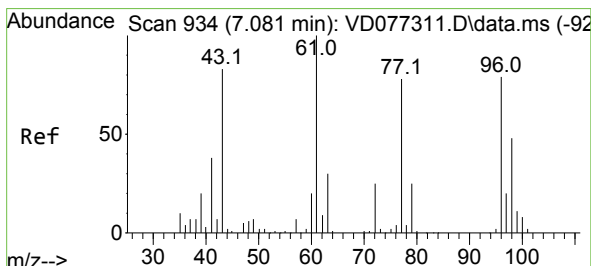
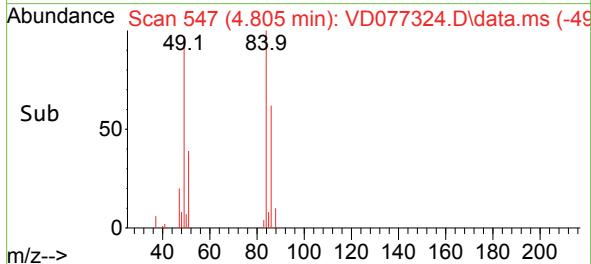
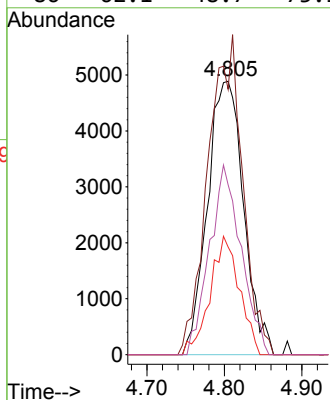


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Instrument :
MSVOA_D
ClientSampleId :

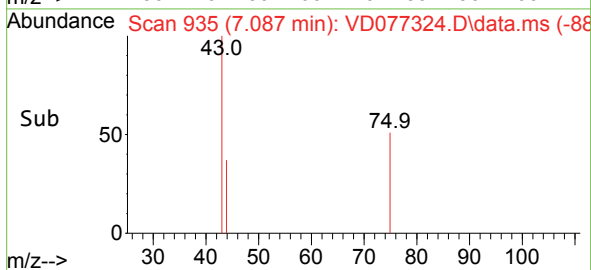
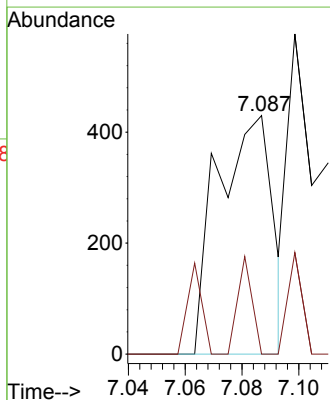
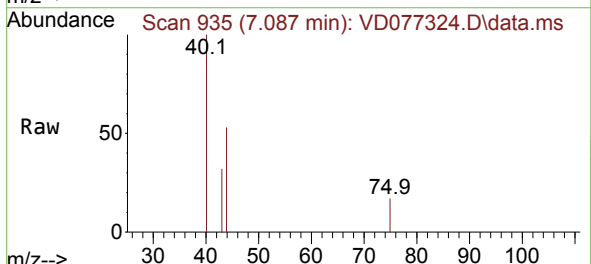


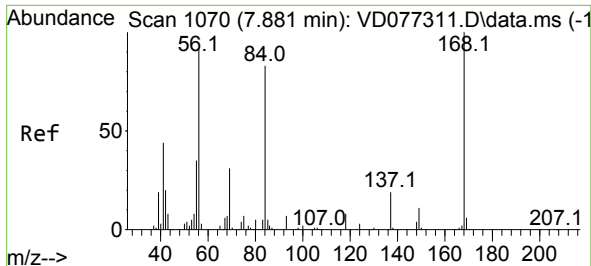
Tgt Ion: 84 Resp: 15845
Ion Ratio Lower Upper
84 100
49 97.1 71.4 107.2
51 39.4 24.5 36.7#
86 62.1 48.7 73.1



#25
2-Butanone
Concen: 1.147 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

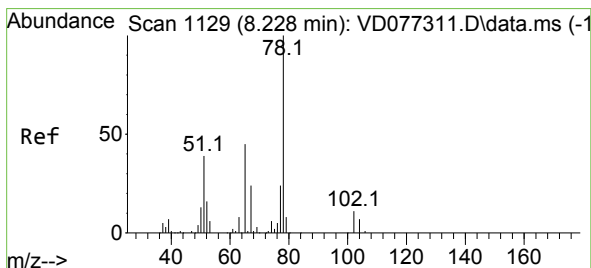
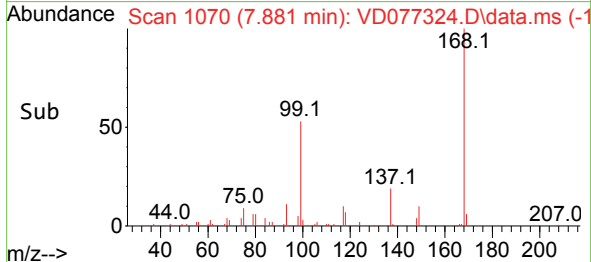
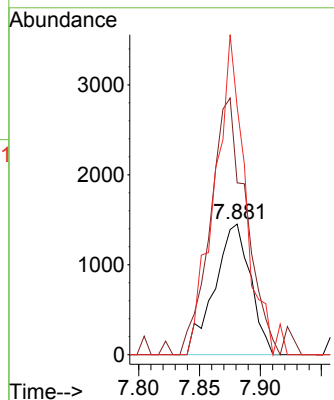
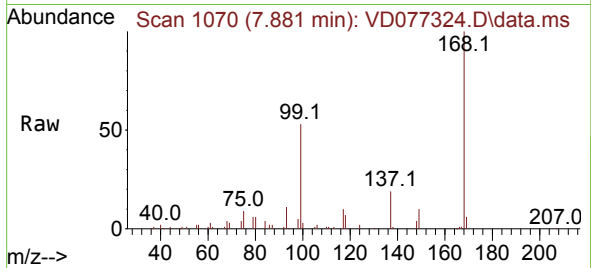




#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

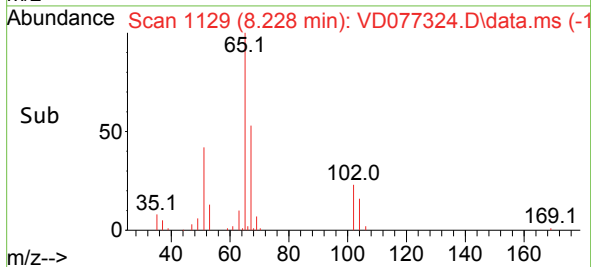
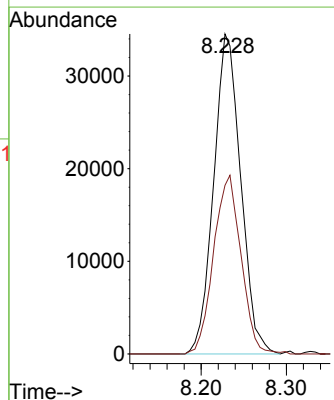
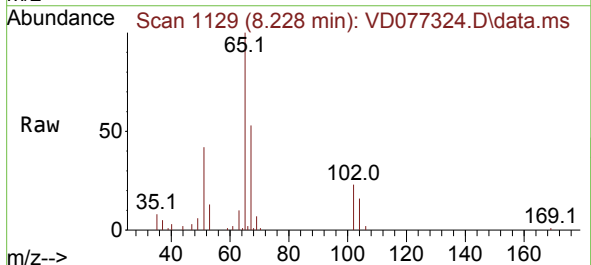
Instrument :
MSVOA_D
ClientSampleId :

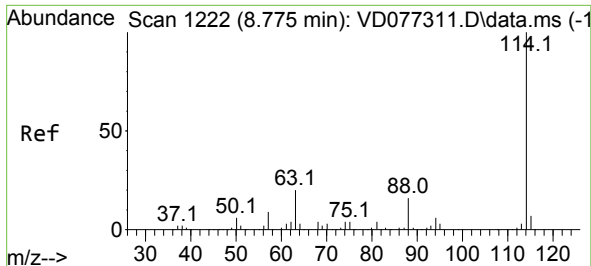
Tgt Ion: 56 Resp: 2976
Ion Ratio Lower Upper
56 100
69 131.6 28.6 43.0#
84 189.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 63.183 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Tgt Ion: 65 Resp: 76271
Ion Ratio Lower Upper
65 100
67 56.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

Instrument :

MSVOA_D

ClientSampleId :

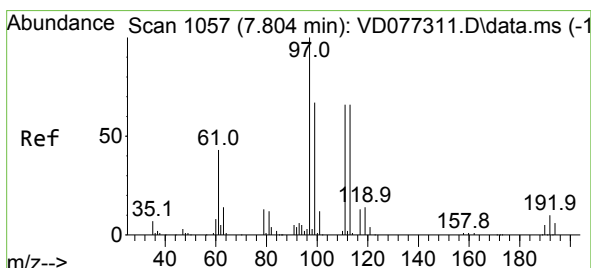
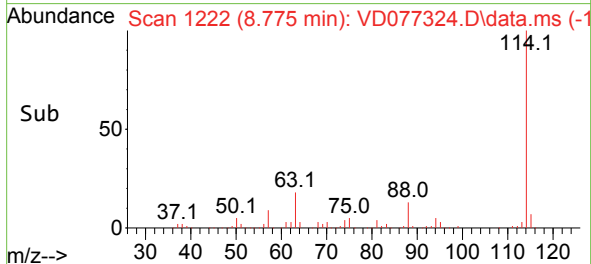
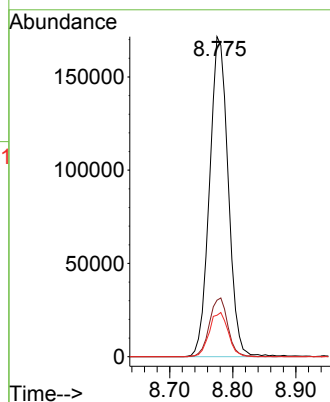
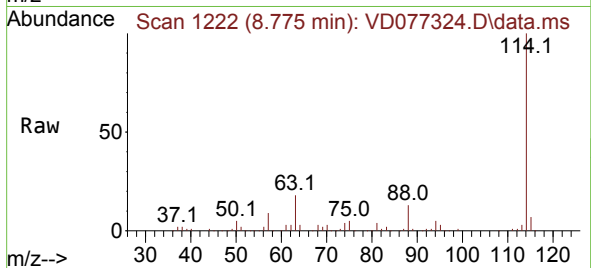
Tgt Ion:114 Resp: 352000

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 59.548 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

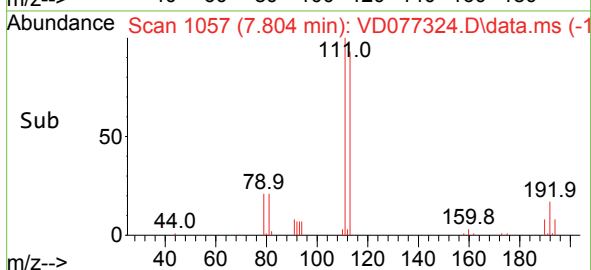
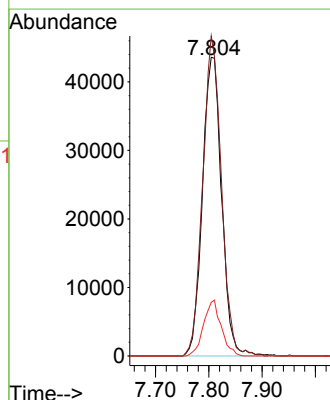
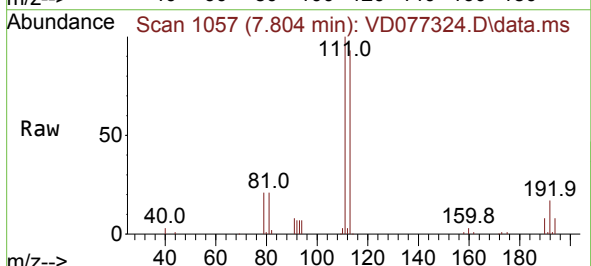
Tgt Ion:113 Resp: 109149

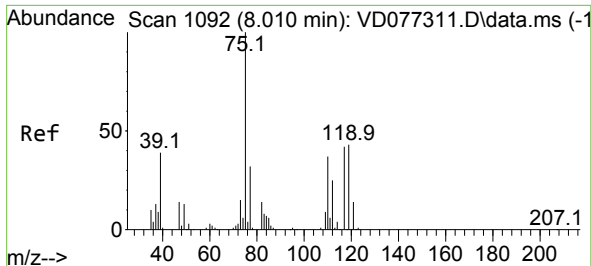
Ion Ratio Lower Upper

113 100

111 104.4 84.7 127.1

192 17.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.901 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

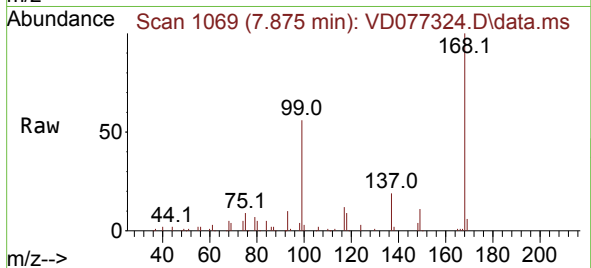
Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

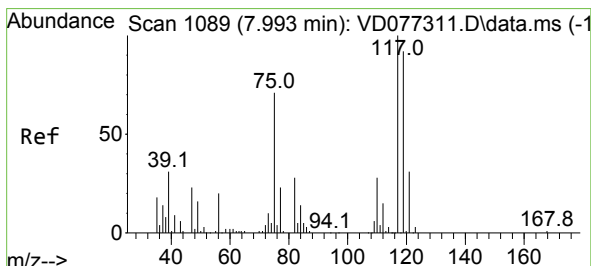
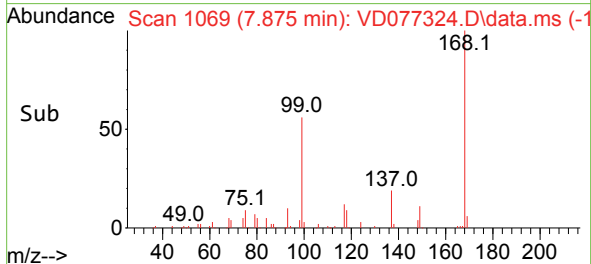
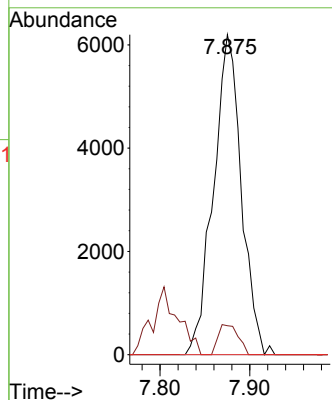
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13360
Ion Ratio	Lower Upper
75	100
110	6.7 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.184 ug/l

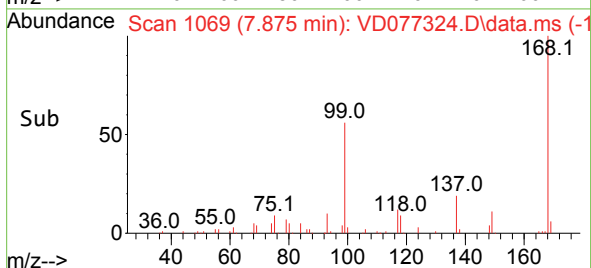
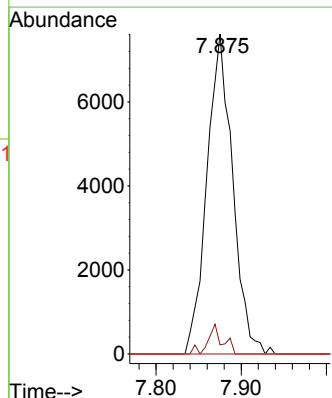
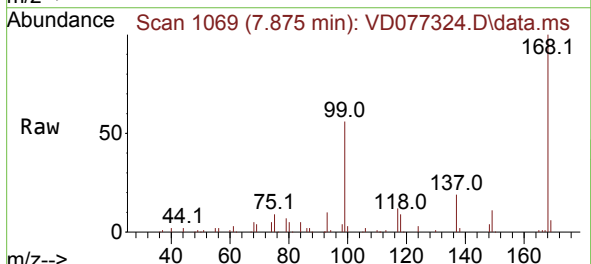
RT: 7.875 min Scan# 1069

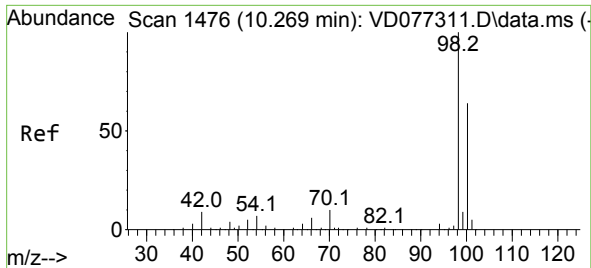
Delta R.T. -0.118 min

Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

Tgt Ion: 117	Resp: 15988
Ion Ratio	Lower Upper
117	100
119	2.8 78.0 117.0#
121	0.0 24.2 36.2#

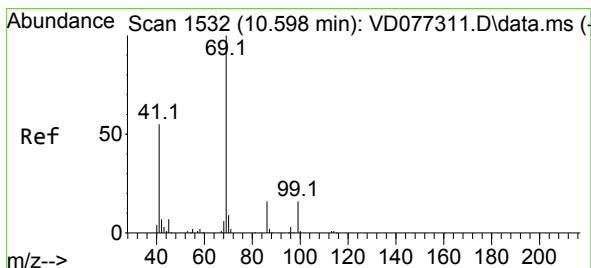
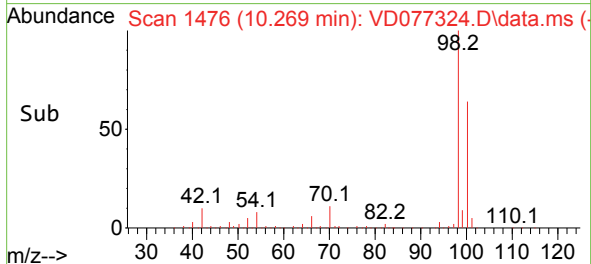
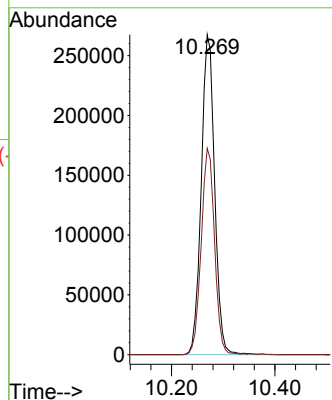
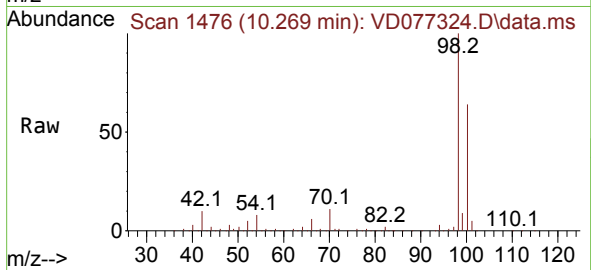




#50
Toluene-d8
Concen: 78.180 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

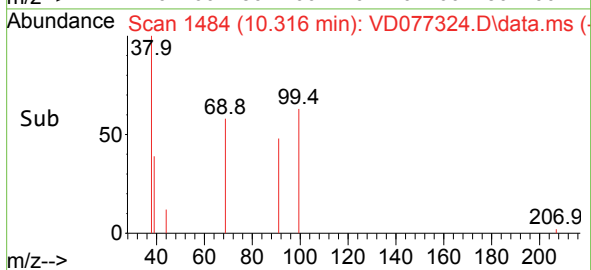
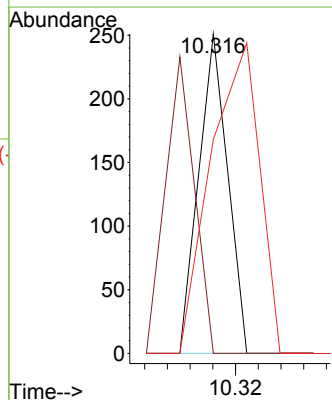
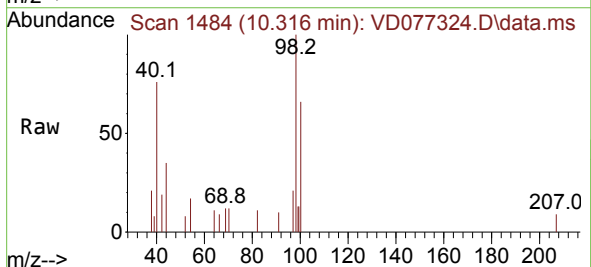
Instrument :
MSVOA_D
ClientSampleId :

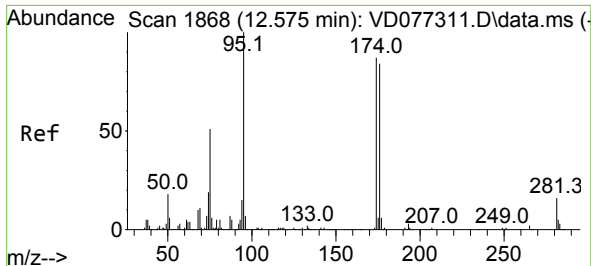
Tgt Ion: 98 Resp: 480512
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#56
Ethyl methacrylate
Concen: 1.687 ug/l
RT: 10.316 min Scan# 1484
Delta R.T. -0.282 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 0.0 39.1 58.7#
39 162.9 20.0 30.0#

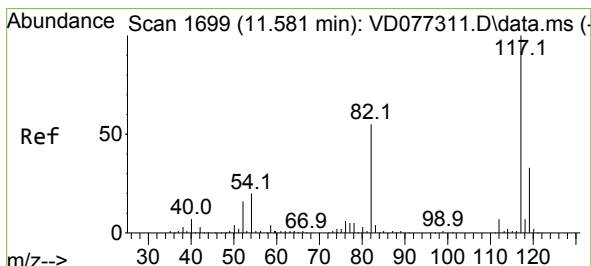
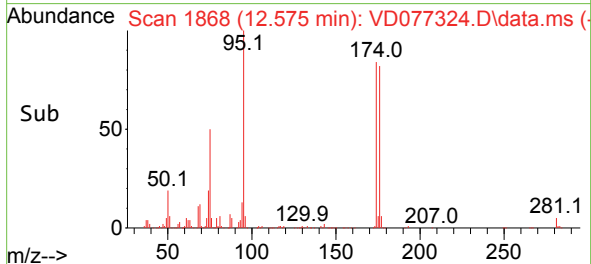
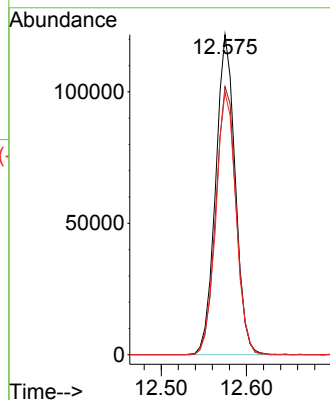
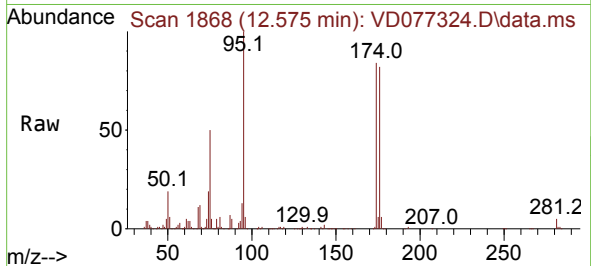




#62
4-Bromofluorobenzene
Concen: 94.070 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

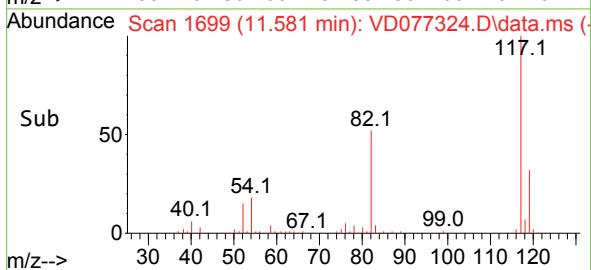
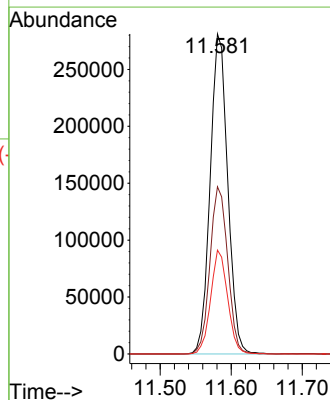
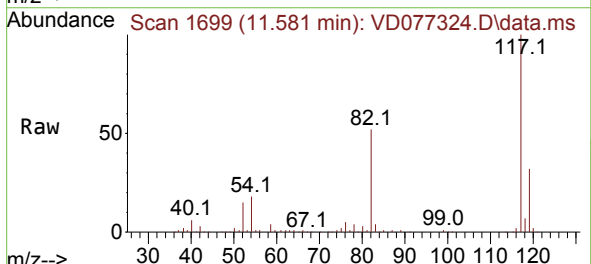
Instrument :
MSVOA_D
ClientSampleId :

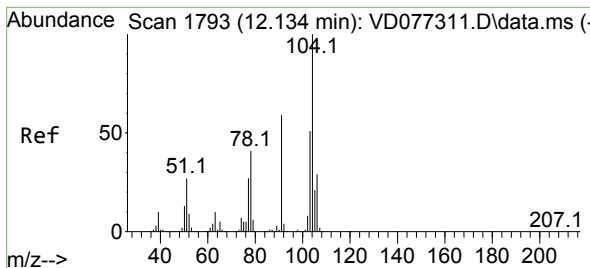
Tgt Ion: 95 Resp: 194190
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 84.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Tgt Ion: 117 Resp: 482470
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 32.5 25.0 37.4





#70

Styrene

Concen: 1.056 ug/l

RT: 12.140 min Scan# 11

Delta R.T. 0.006 min

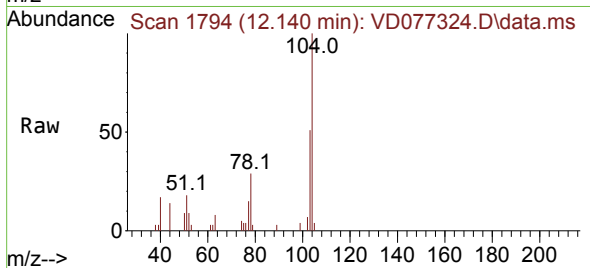
Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

Instrument :

MSVOA_D

ClientSampleId :



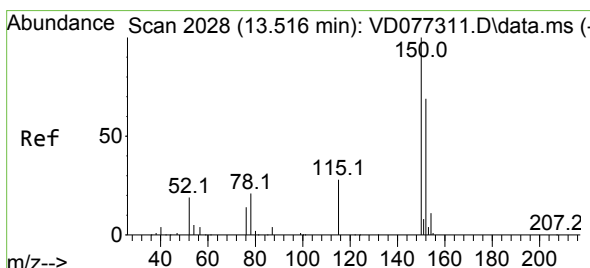
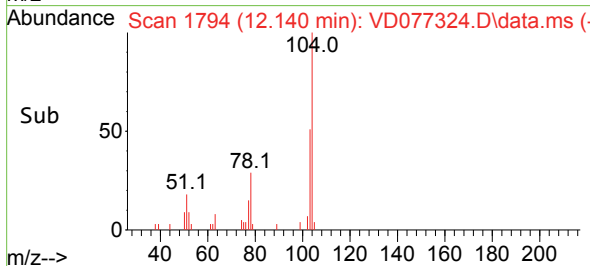
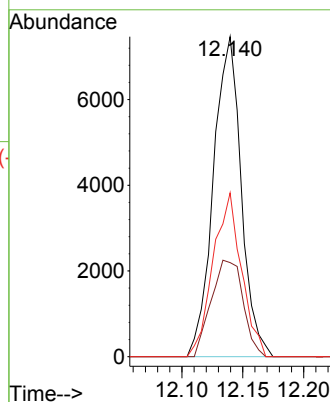
Tgt Ion:104 Resp: 11842

Ion Ratio Lower Upper

104 100

78 34.5 33.2 49.8

103 52.2 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077324.D

Acq: 12 Oct 2023 18:33

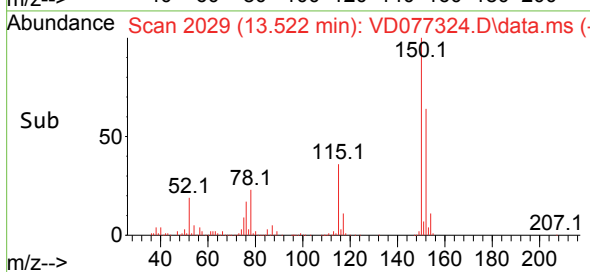
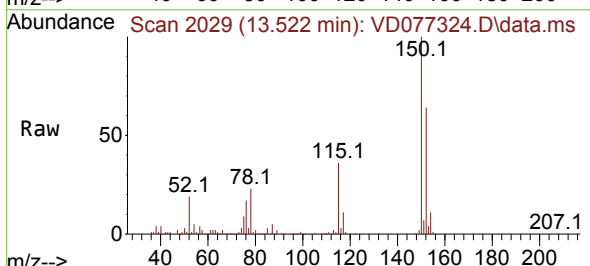
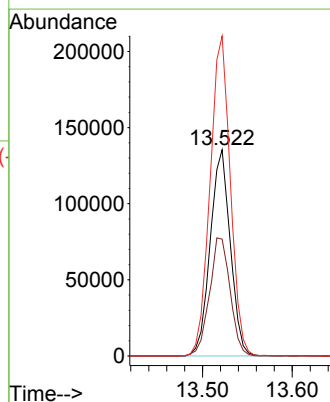
Tgt Ion:152 Resp: 210449

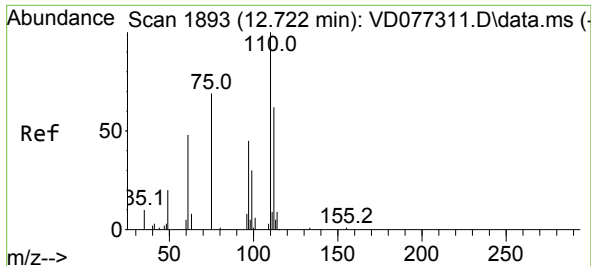
Ion Ratio Lower Upper

152 100

115 58.9 27.1 81.3

150 156.6 0.0 353.6

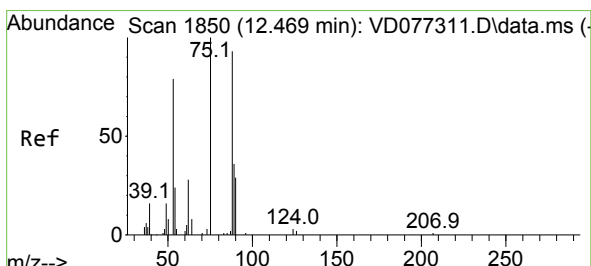
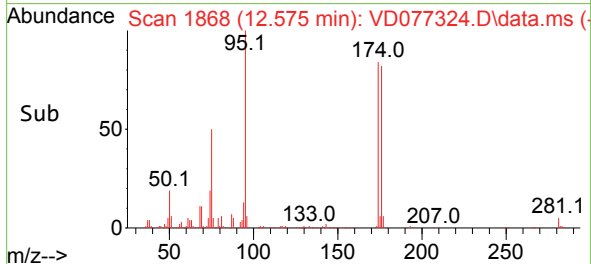
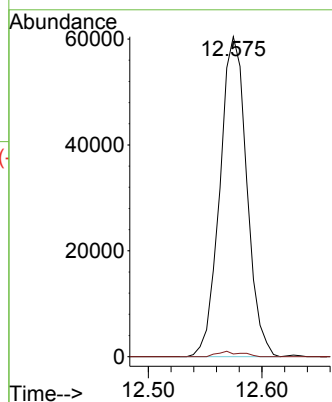
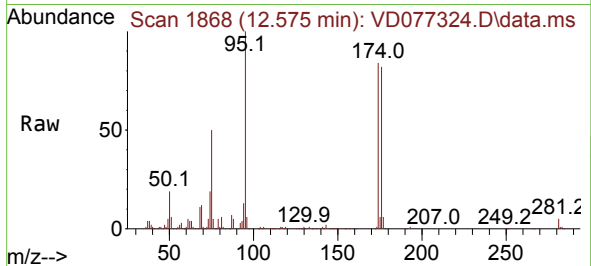




#76
1,2,3-Trichloropropane
Concen: 45.646 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 99505
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.019 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077324.D
Acq: 12 Oct 2023 18:33

Tgt Ion: 75 Resp: 99505
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

