

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078443.D
 Acq On : 15 Feb 2024 18:37
 Operator : RP/MD
 Sample : P1505-15
 Misc : 4.72G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2D-VOC

Quant Time: Feb 16 02:39:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

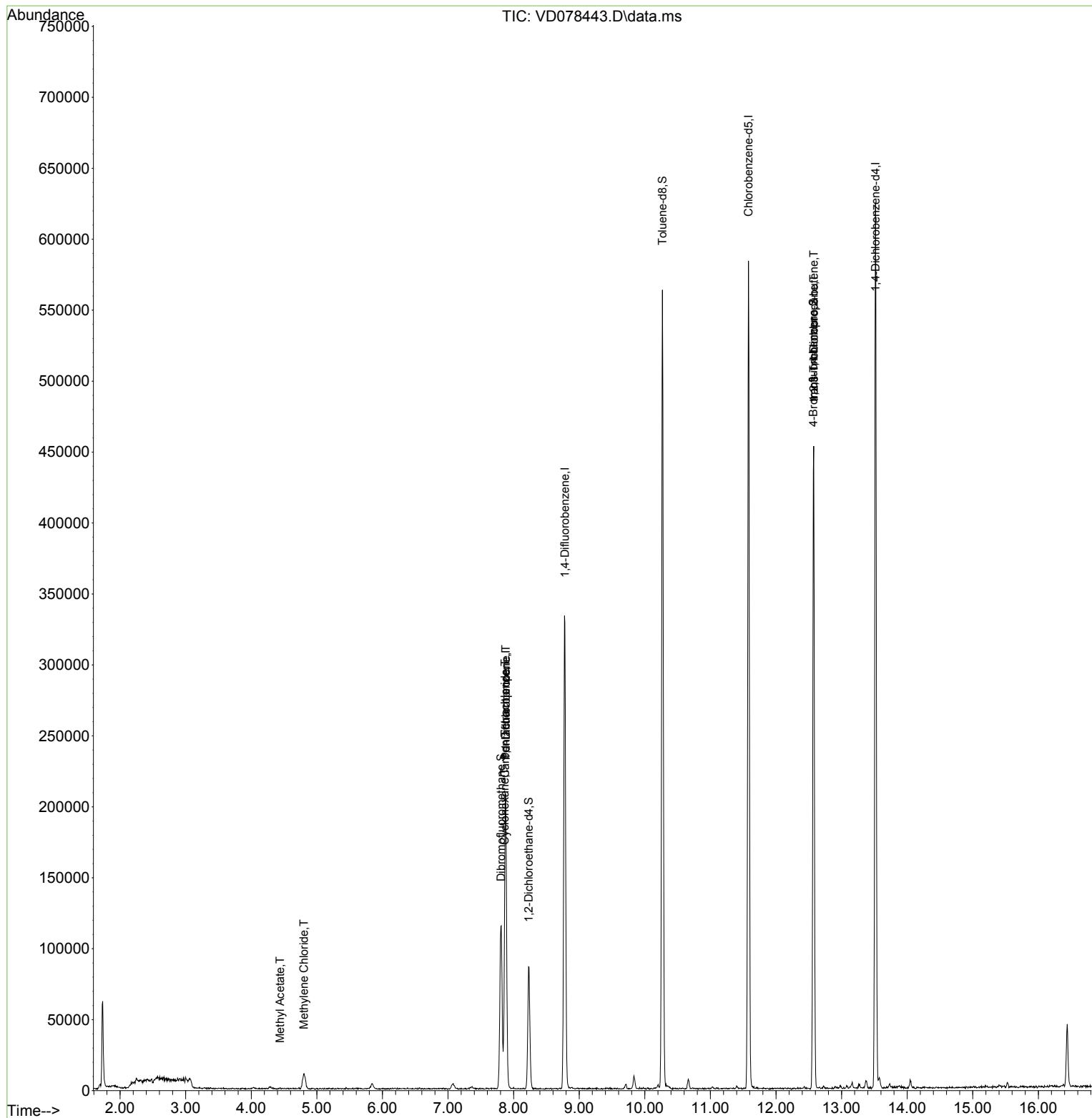
Internal Standards						
1) Pentafluorobenzene	7.881	168	163059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	301861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	346277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	169097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64889	36.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.600%
35) Dibromofluoromethane	7.810	113	87939	45.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.720%
50) Toluene-d8	10.269	98	391618	51.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.120%
62) 4-Bromofluorobenzene	12.569	95	137819	61.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	123.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.193	59	58	Below Cal	#	73
16) Acetone	4.040	43	1410	Below Cal		98
18) Methyl Acetate	4.440	43	91	4.006	ug/l #	42
20) Methylene Chloride	4.805	84	9011	1.516	ug/l	92
23) Vinyl Acetate	6.087	43	74	Below Cal	#	63
25) 2-Butanone	7.087	43	55	Below Cal	#	37
31) Cyclohexane	7.863	56	3294	1.104	ug/l #	65
36) 1,1-Dichloropropene	7.881	75	12549	4.213	ug/l #	50
38) Carbon Tetrachloride	7.869	117	15679	5.315	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	72987	50.841	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	72987	105.548	ug/l #	17

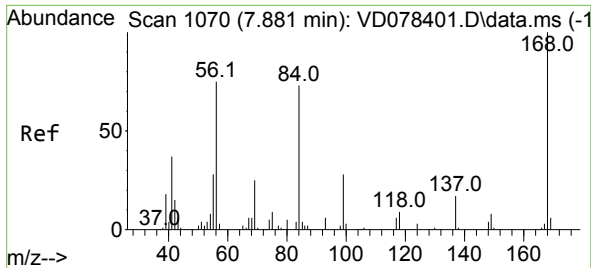
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

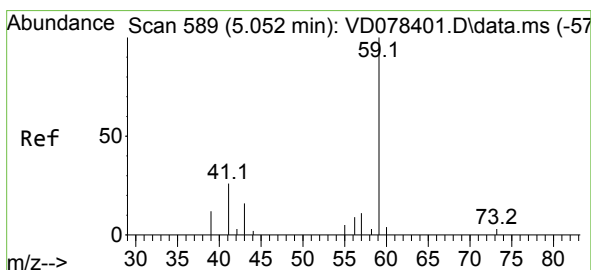
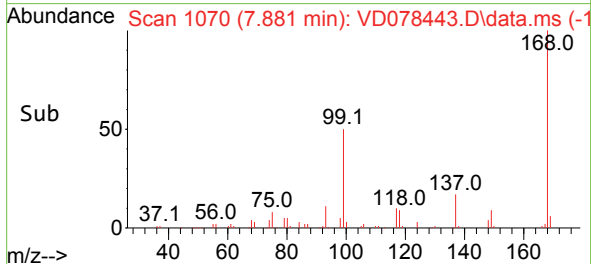
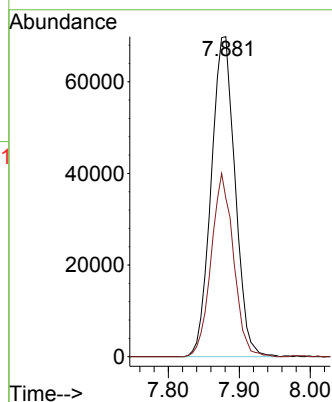
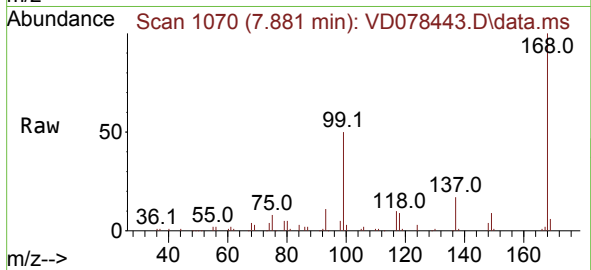




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

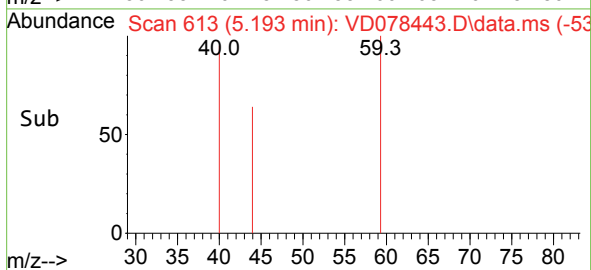
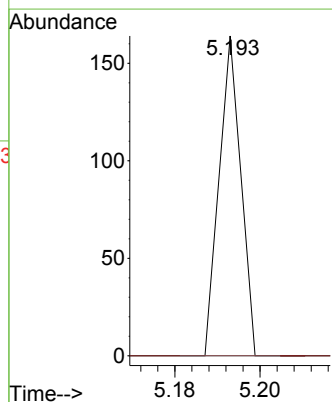
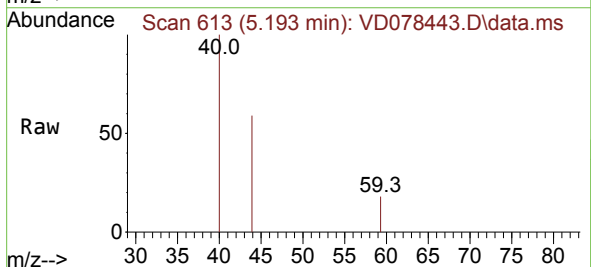
Instrument :
MSVOA_D
ClientSampleId :
WC-2D-VOC

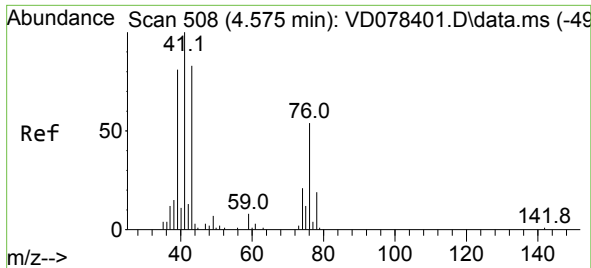
Tgt Ion:168 Resp: 163059
Ion Ratio Lower Upper
168 100
99 49.6 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.193 min Scan# 613
Delta R.T. 0.141 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

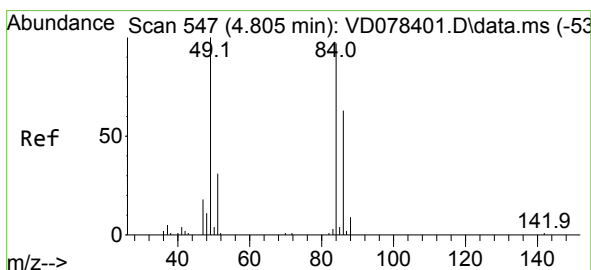
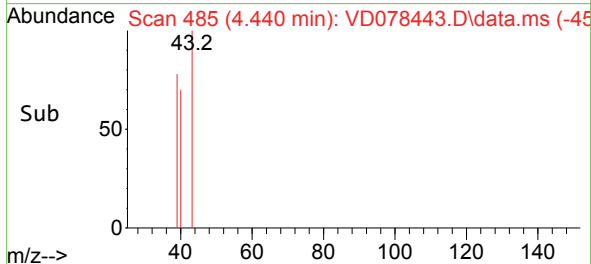
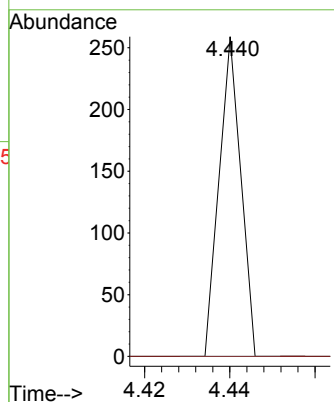
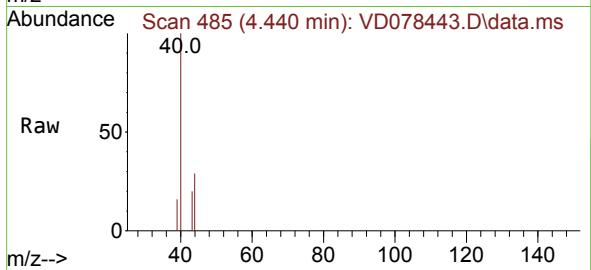




#18
Methyl Acetate
Concen: 4.006 ug/l
RT: 4.440 min Scan# 41
Delta R.T. -0.135 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

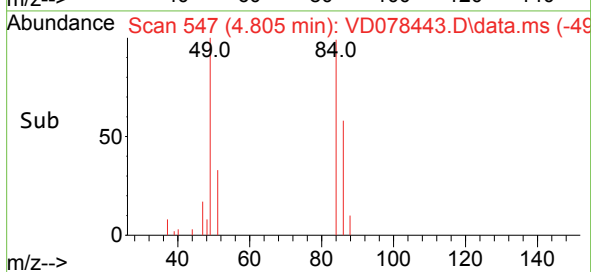
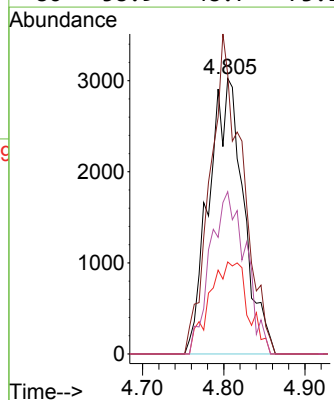
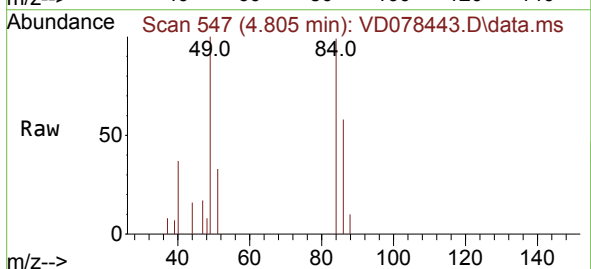
Instrument :
MSVOA_D
ClientSampleId :
WC-2D-VOC

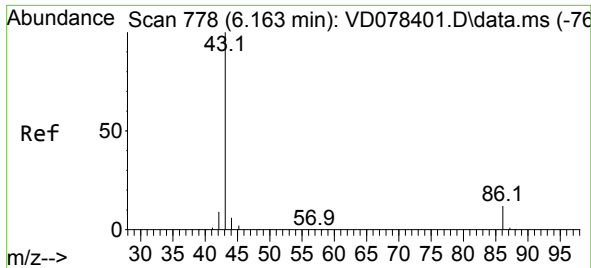
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 1.516 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion: 84 Resp: 9011
Ion Ratio Lower Upper
84 100
49 101.5 71.4 107.2
51 33.4 24.5 36.7
86 58.9 48.7 73.1

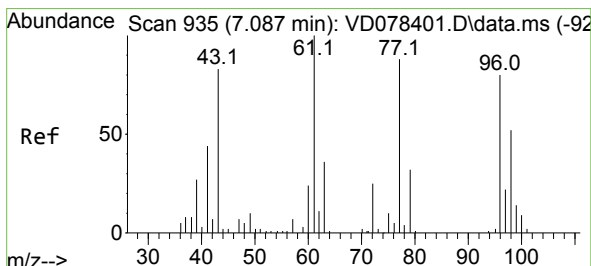
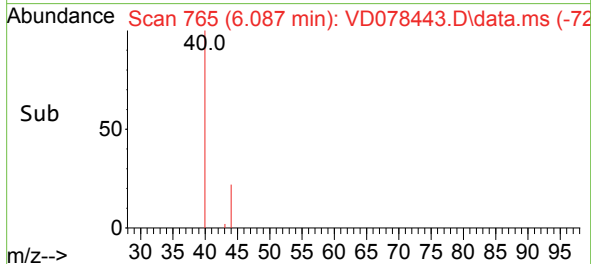
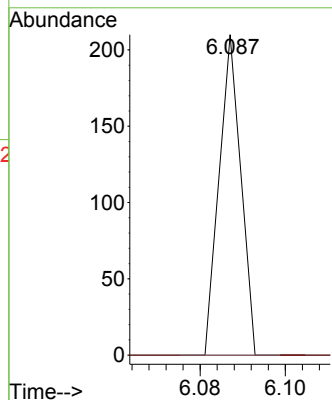
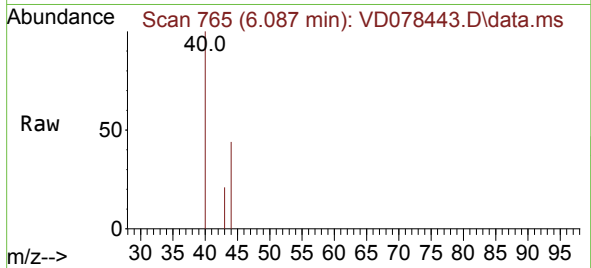




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.087 min Scan# 71
 Delta R.T. -0.076 min
 Lab File: VD078443.D
 Acq: 15 Feb 2024 18:37

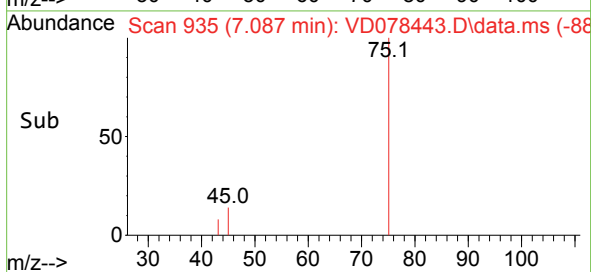
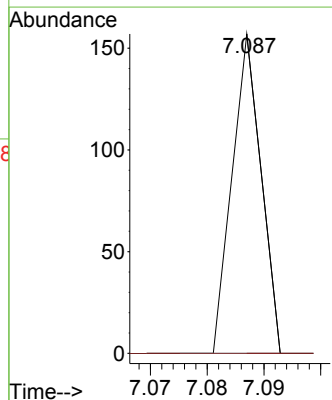
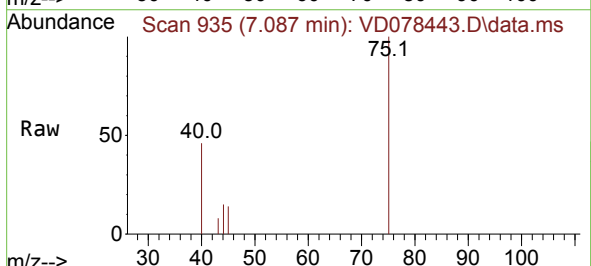
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2D-VOC

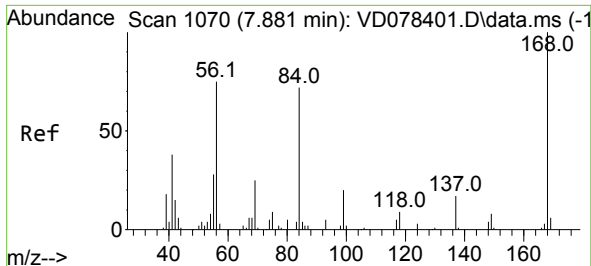
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.087 min Scan# 935
 Delta R.T. -0.000 min
 Lab File: VD078443.D
 Acq: 15 Feb 2024 18:37

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#

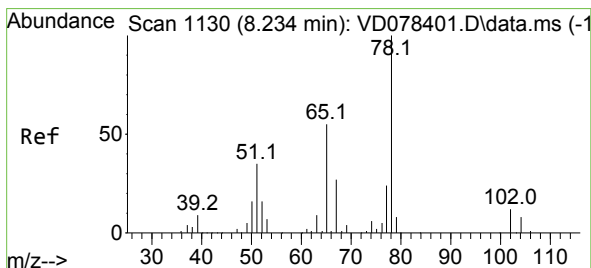
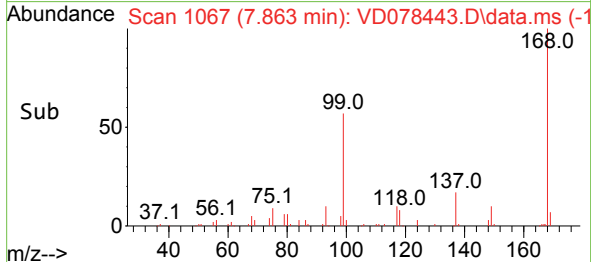
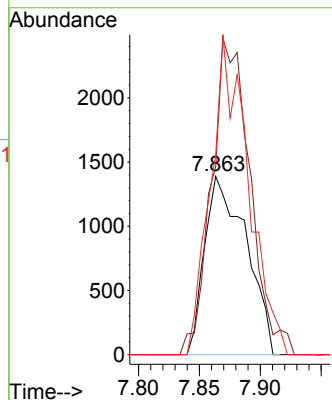
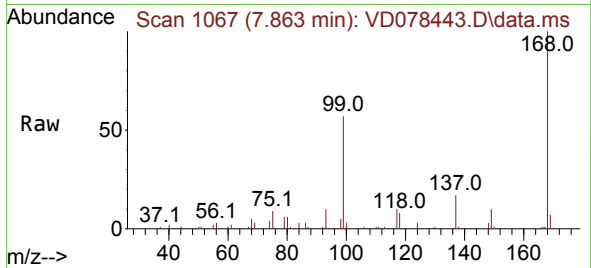




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.863 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

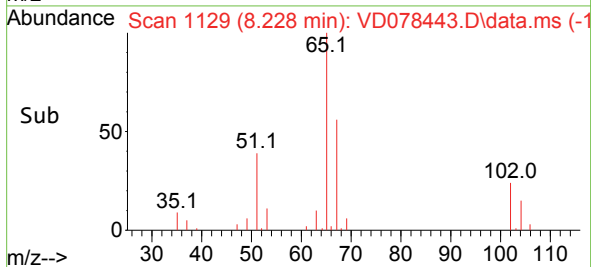
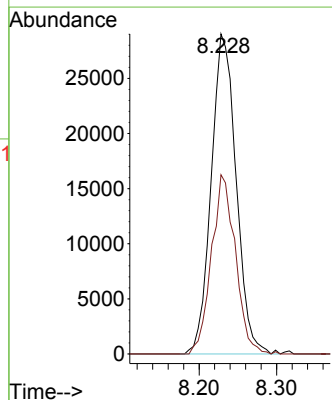
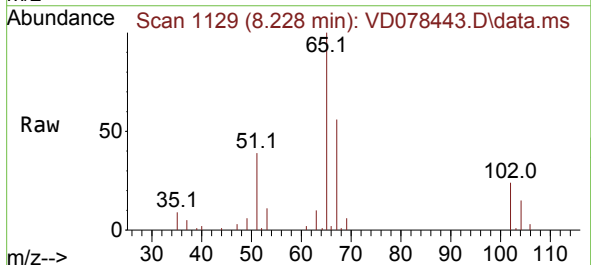
Instrument :
MSVOA_D
ClientSampleId :
WC-2D-VOC

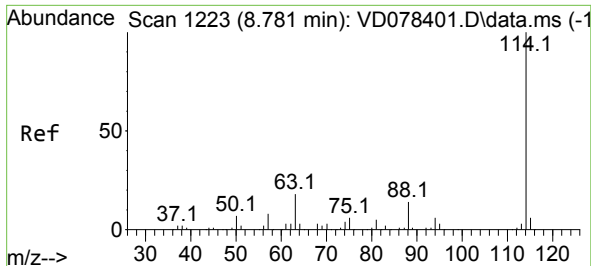
Tgt Ion: 56 Resp: 3294
Ion Ratio Lower Upper
56 100
69 105.5 28.6 43.0#
84 112.3 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 36.805 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion: 65 Resp: 64889
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078443.D

Acq: 15 Feb 2024 18:37

Instrument :

MSVOA_D

ClientSampleId :

WC-2D-VOC

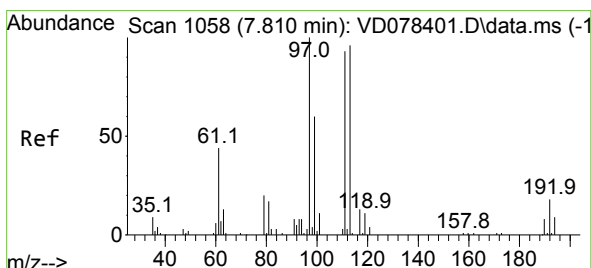
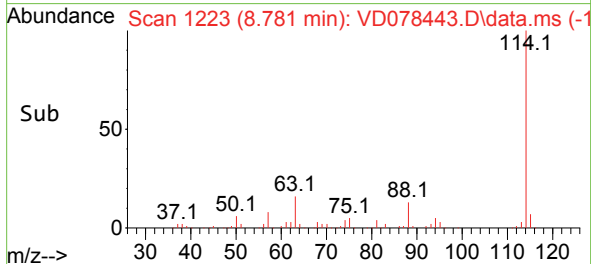
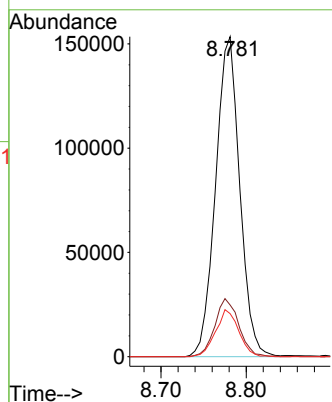
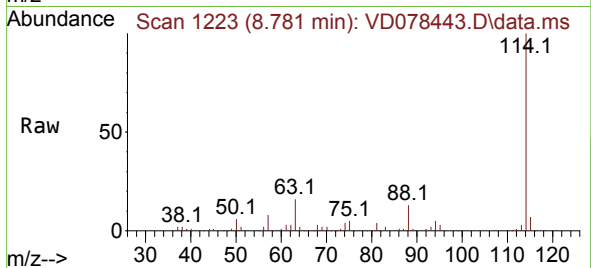
Tgt Ion:114 Resp: 301861

Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.862 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078443.D

Acq: 15 Feb 2024 18:37

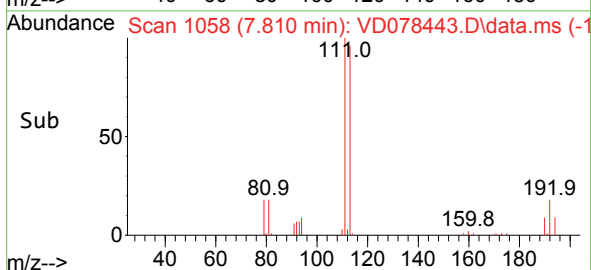
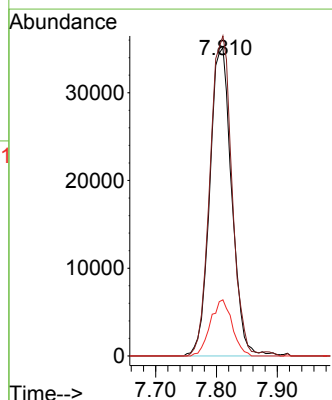
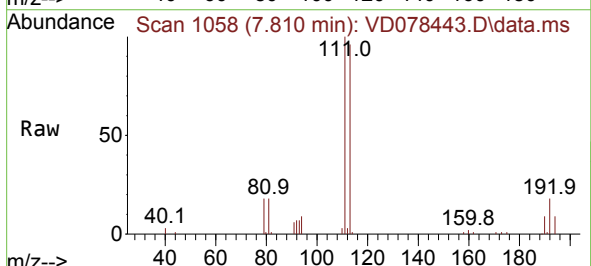
Tgt Ion:113 Resp: 87939

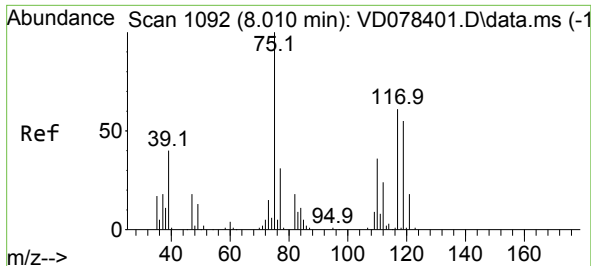
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.213 ug/l

RT: 7.881 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VD078443.D

Acq: 15 Feb 2024 18:37

Instrument :

MSVOA_D

ClientSampleId :

WC-2D-VOC

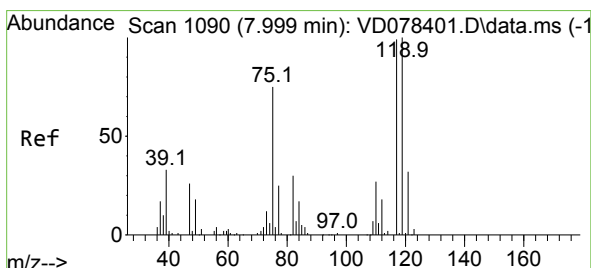
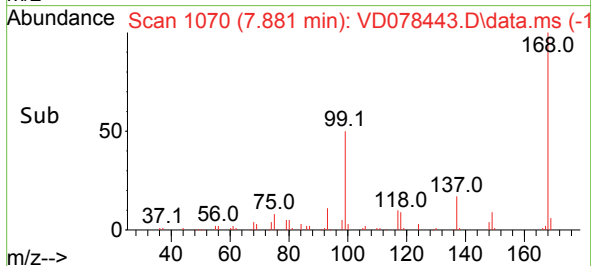
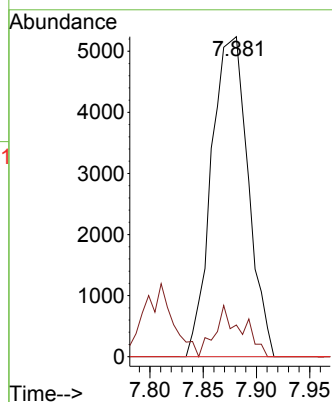
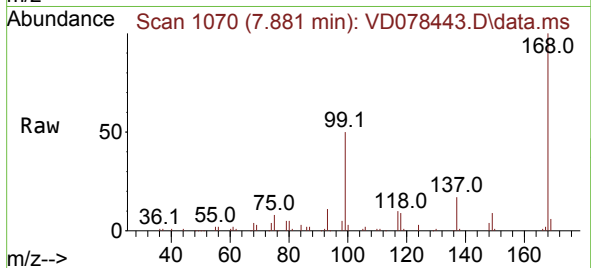
Tgt Ion: 75 Resp: 12549

Ion Ratio Lower Upper

75 100

110 11.8 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VD078443.D

Acq: 15 Feb 2024 18:37

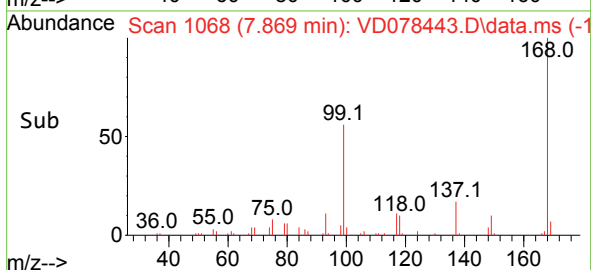
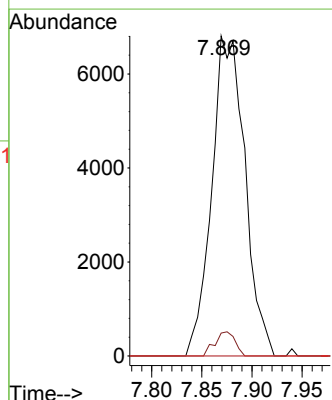
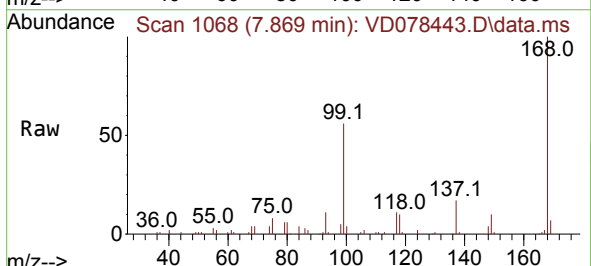
Tgt Ion: 117 Resp: 15679

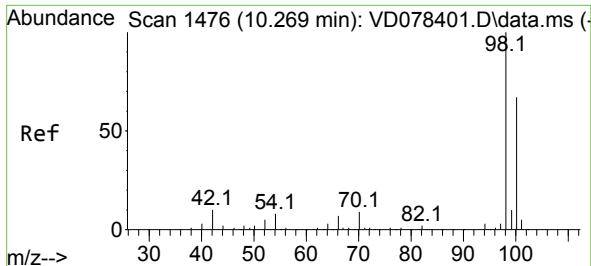
Ion Ratio Lower Upper

117 100

119 7.2 78.0 117.0#

121 0.0 24.2 36.2#

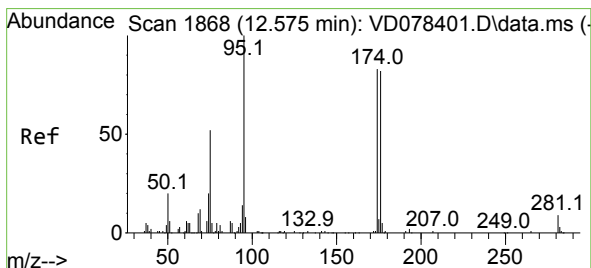
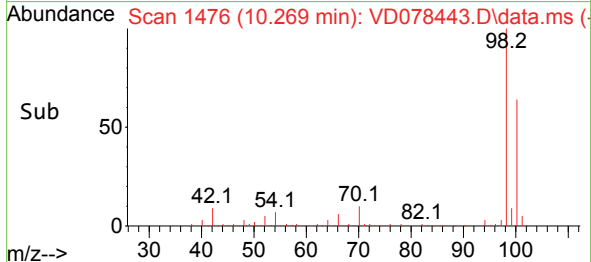
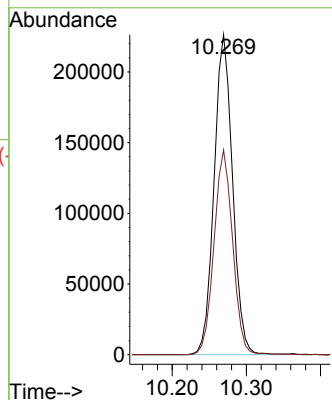
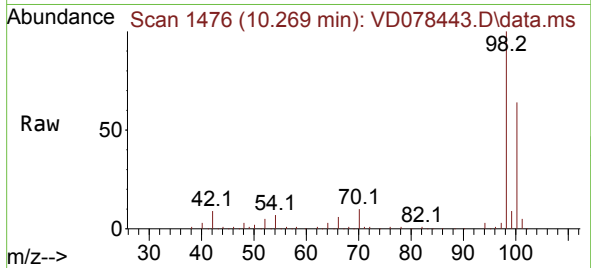




#50
Toluene-d8
Concen: 51.056 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

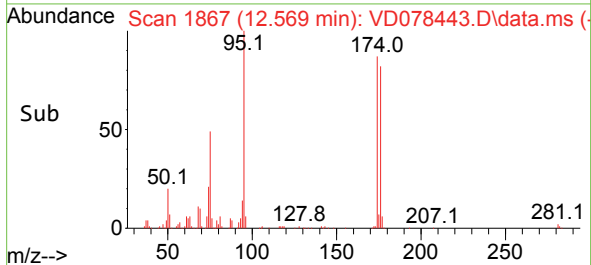
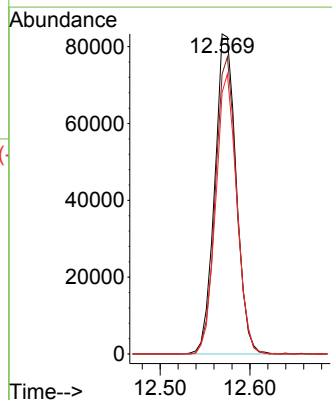
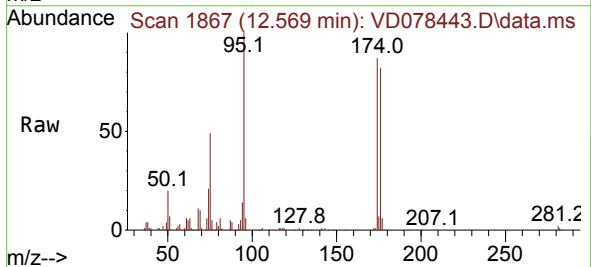
Instrument :
MSVOA_D
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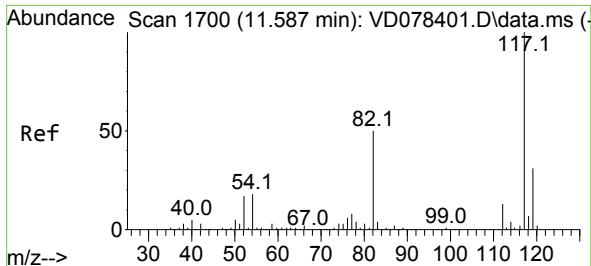
Tgt Ion: 98 Resp: 391618
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 61.743 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion: 95 Resp: 137819
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 86.3 0.0 191.8

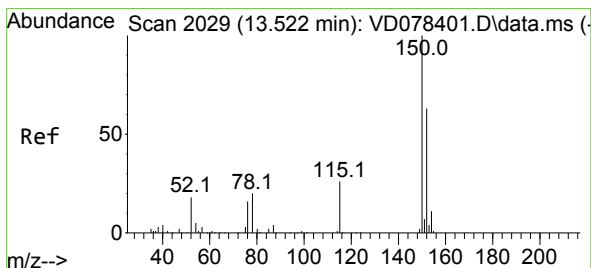
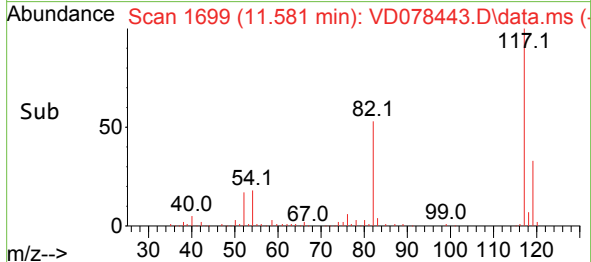
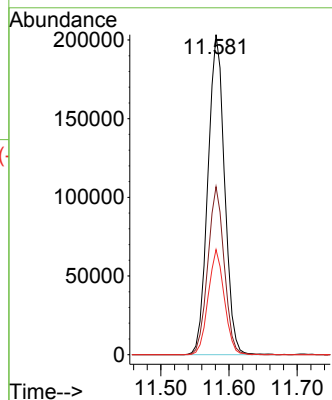
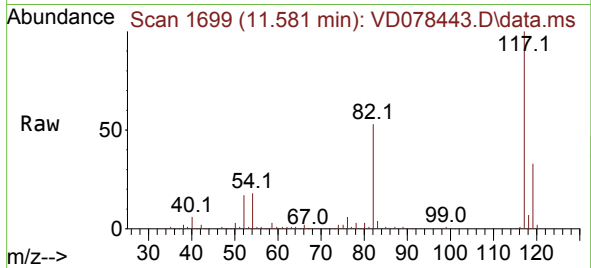




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

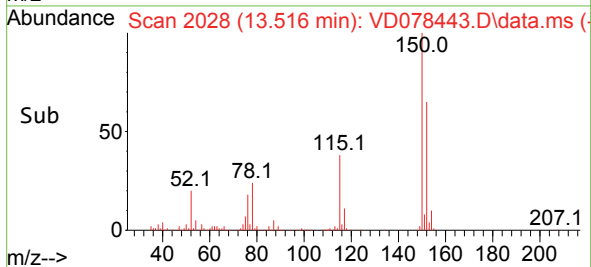
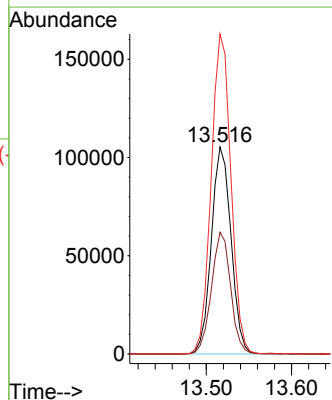
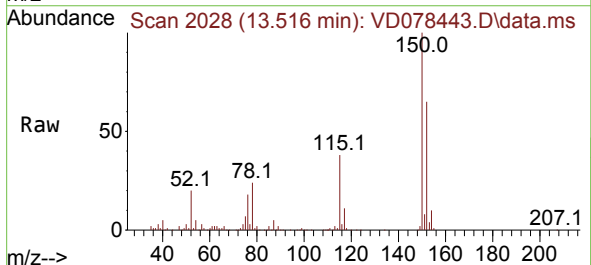
Instrument :
MSVOA_D
ClientSampleId :
WC-2D-VOC

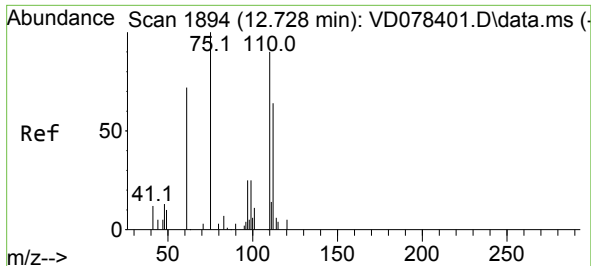
Tgt Ion:117 Resp: 346277
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 32.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion:152 Resp: 169097
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 154.6 0.0 353.6

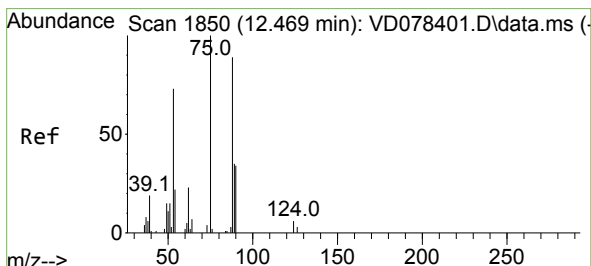
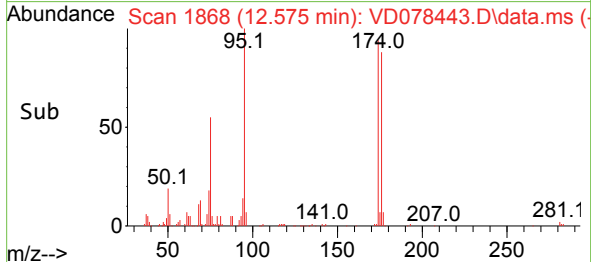
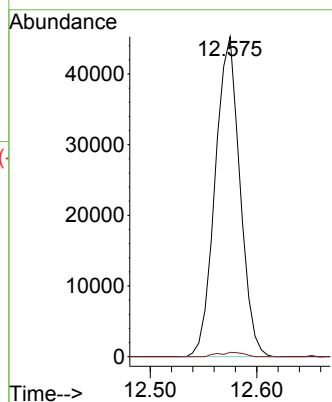
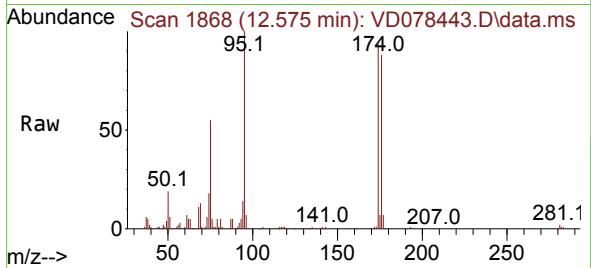




#76
1,2,3-Trichloropropane
Concen: 50.841 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Instrument :
MSVOA_D
ClientSampleId :
WC-2D-VOC

Tgt Ion: 75 Resp: 72987
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.548 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078443.D
Acq: 15 Feb 2024 18:37

Tgt Ion: 75 Resp: 72987
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

