

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079475.D
 Acq On : 31 Jul 2024 01:29
 Operator : RP/MD
 Sample : P3376-13
 Misc : 5.43G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-8-VOC

Quant Time: Jul 31 04:36:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

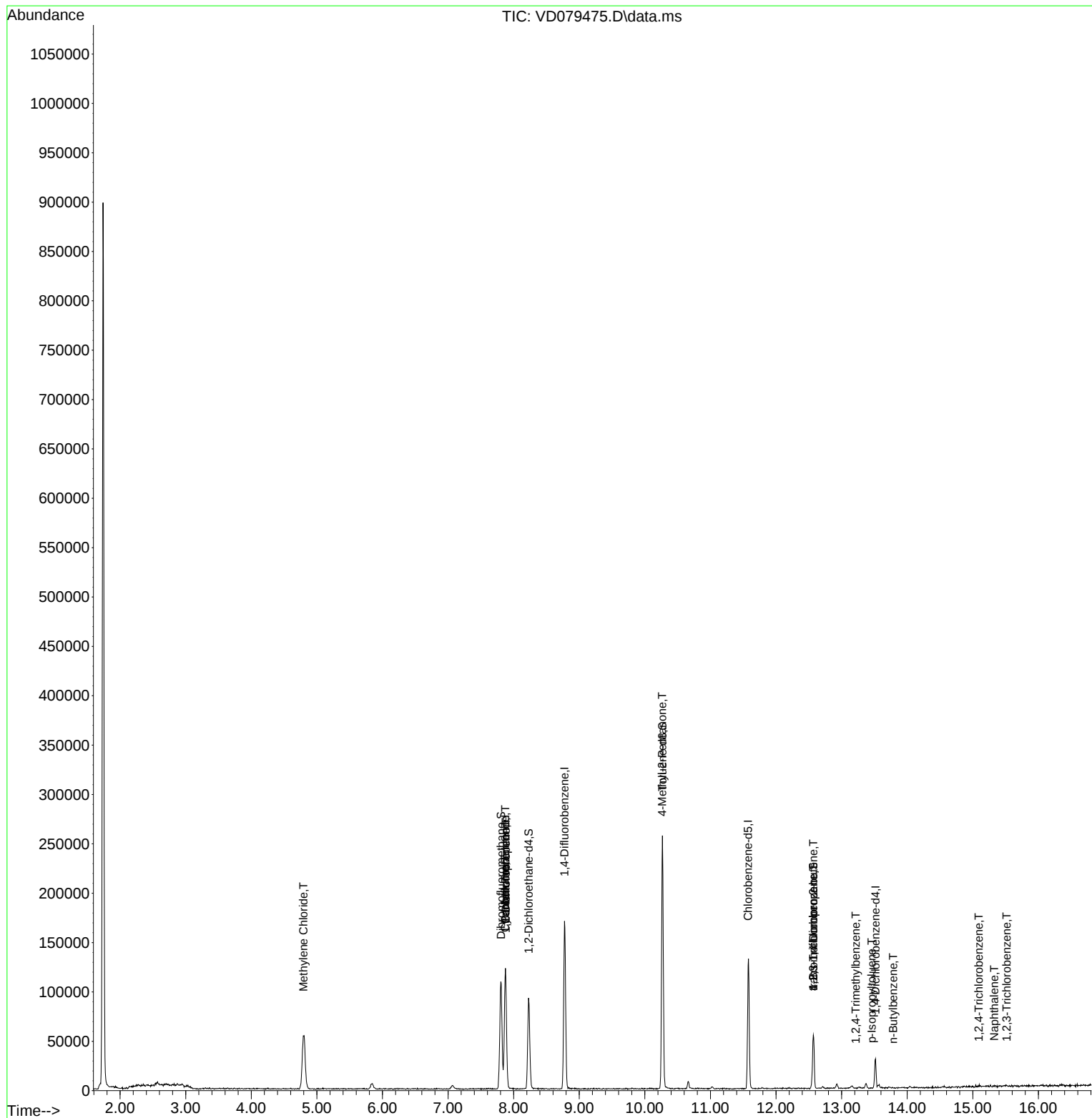
Internal Standards						
1) Pentafluorobenzene	7.875	168	98429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	157324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	82482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69476	69.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.960%	
35) Dibromofluoromethane	7.810	113	80066	75.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 150.380%#	
50) Toluene-d8	10.269	98	182599	44.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.320%	
62) 4-Bromofluorobenzene	12.569	95	15901	13.288	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 26.580%#	
Target Compounds						
						Qvalue
5) Bromomethane	2.699	94	721	Below Cal		89
11) Tert butyl alcohol	4.805	59	58	Below Cal	#	86
20) Methylene Chloride	4.793	84	45568	24.922	ug/l	92
31) Cyclohexane	7.869	56	1815	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	7774	5.349	ug/l #	46
38) Carbon Tetrachloride	7.875	117	8651	5.662	ug/l #	13
51) 4-Methyl-2-Pentanone	10.263	43	897	1.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	8354	115.245	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	8354	219.803	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	148	3.694	ug/l #	29
86) p-Isopropyltoluene	13.457	119	275	4.323	ug/l #	51
89) n-Butylbenzene	13.786	91	192	4.113	ug/l #	34
93) 1,2,4-Trichlorobenzene	15.092	180	440	2.837	ug/l	63
95) Naphthalene	15.328	128	1122	4.180	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.516	180	229	1.678	ug/l #	66

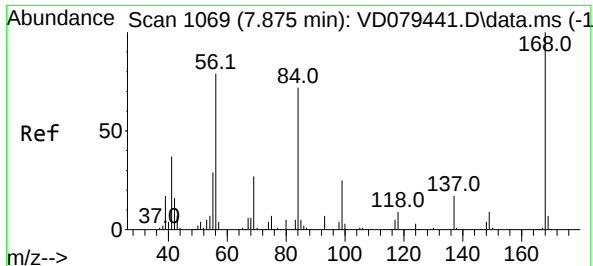
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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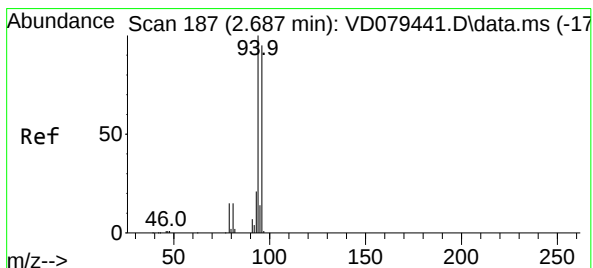
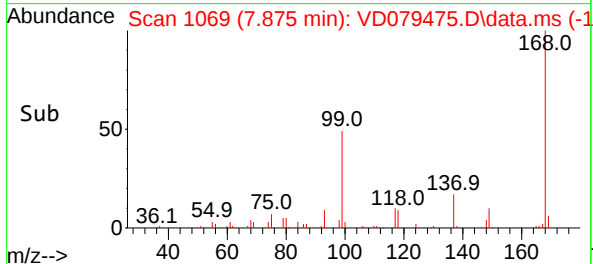
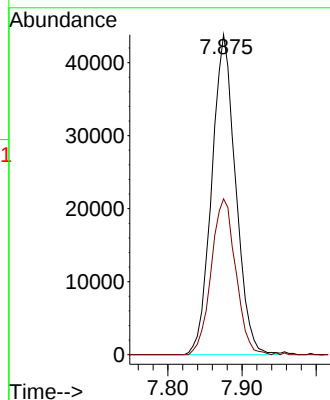
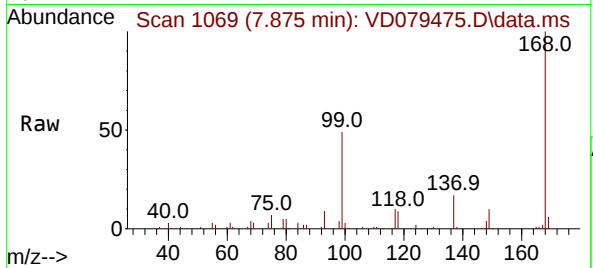




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

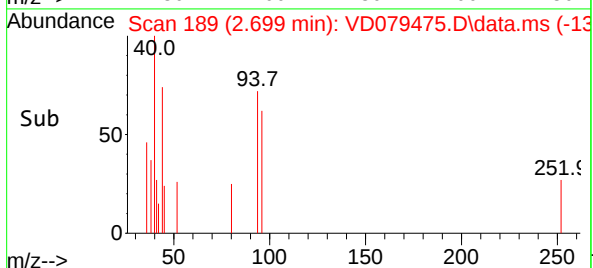
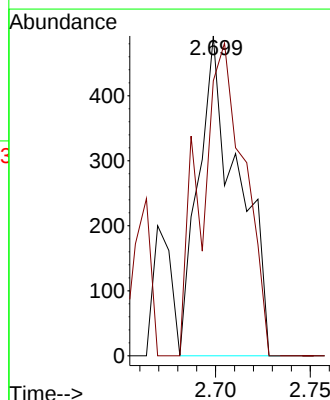
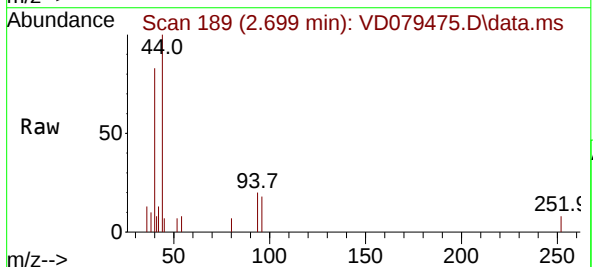
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

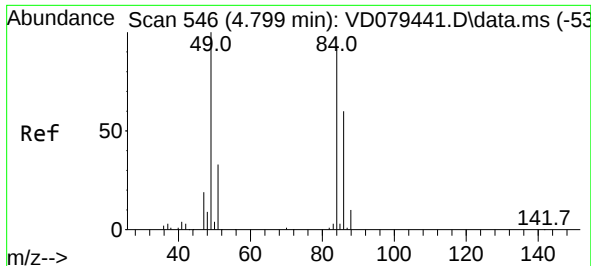
Tgt Ion:168 Resp: 98429
Ion Ratio Lower Upper
168 100
99 48.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion: 94 Resp: 721
Ion Ratio Lower Upper
94 100
96 107.2 76.9 115.3

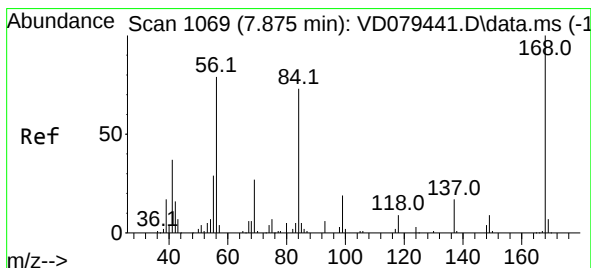
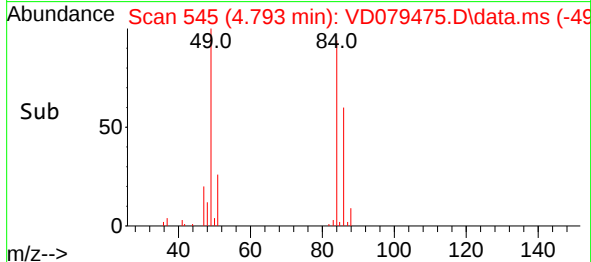
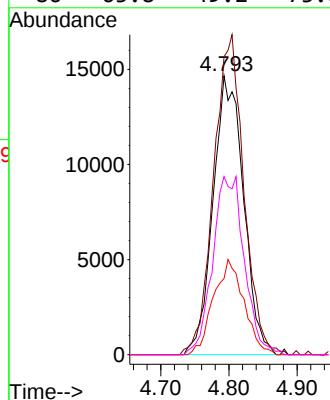
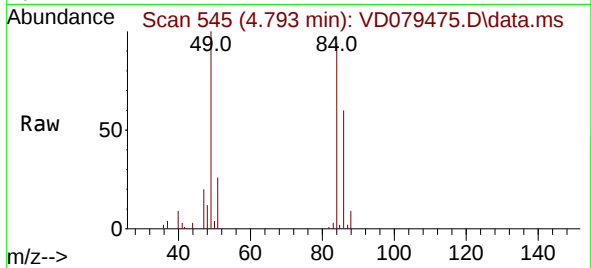




#20
Methylene Chloride
Concen: 24.922 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

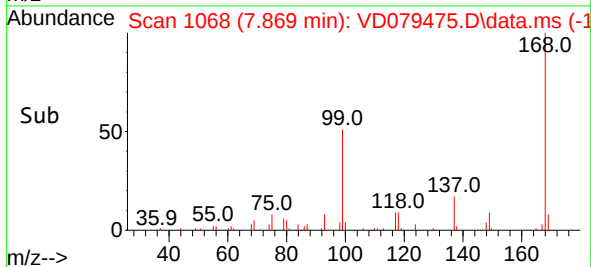
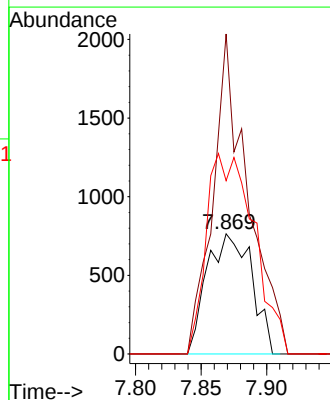
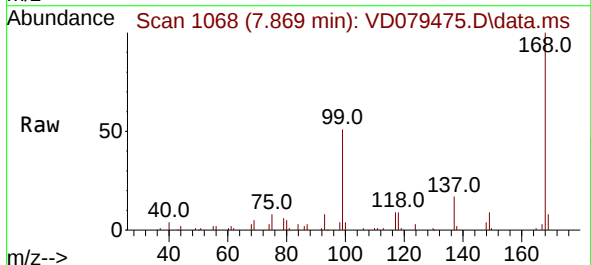
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

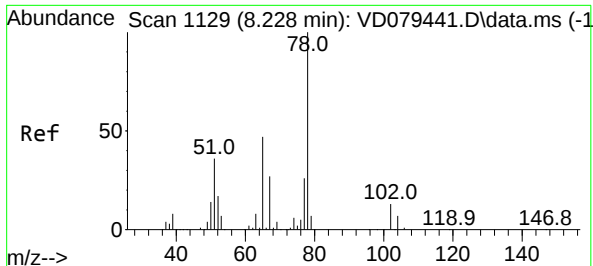
Tgt Ion:	84	Resp:	45568
Ion	Ratio	Lower	Upper
84	100		
49	106.9	75.6	113.4
51	27.3	24.2	36.2
86	63.8	49.2	73.8



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion:	56	Resp:	1815
Ion	Ratio	Lower	Upper
56	100		
69	266.4	28.0	42.0#
84	144.2	87.4	131.0#





#33

1,2-Dichloroethane-d4

Concen: 69.480 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

Instrument :

MSVOA_D

ClientSampleId :

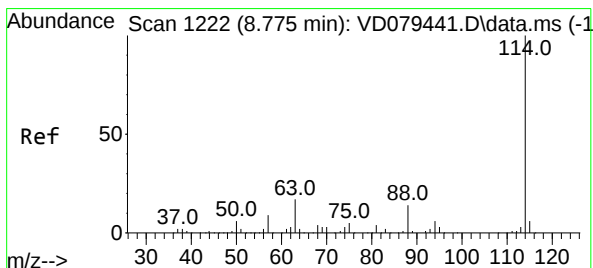
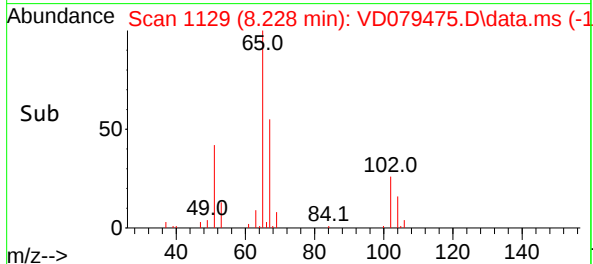
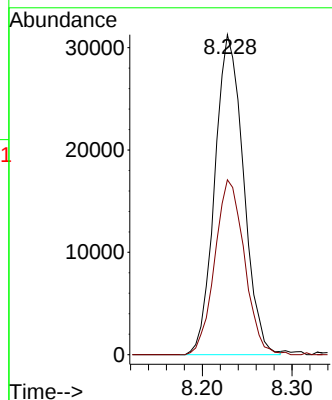
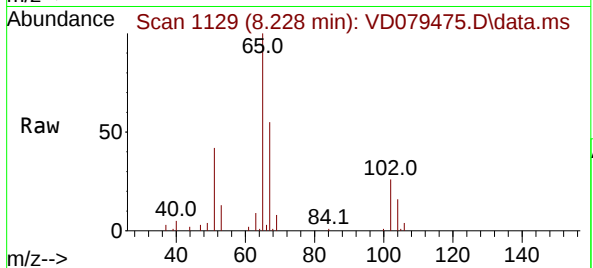
WC-8-VOC

Tgt Ion: 65 Resp: 69476

Ion Ratio Lower Upper

65 100

67 56.4 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

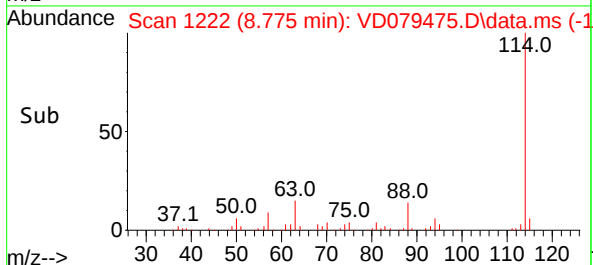
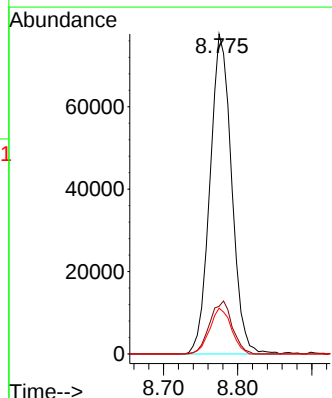
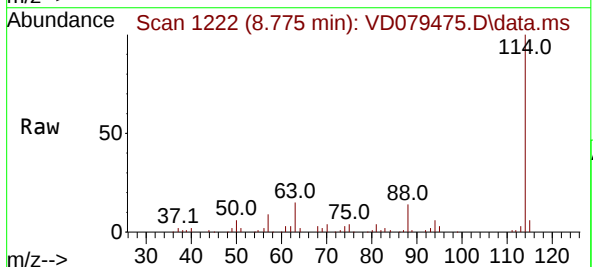
Tgt Ion: 114 Resp: 157324

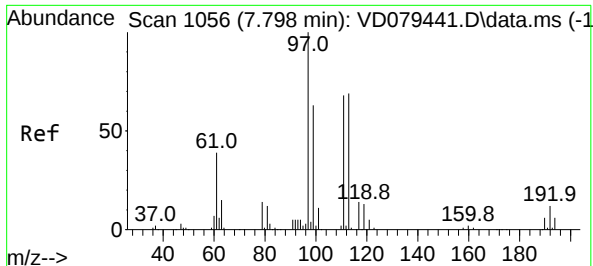
Ion Ratio Lower Upper

114 100

63 14.9 0.0 34.0

88 14.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 75.191 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

Instrument :

MSVOA_D

ClientSampleId :

WC-8-VOC

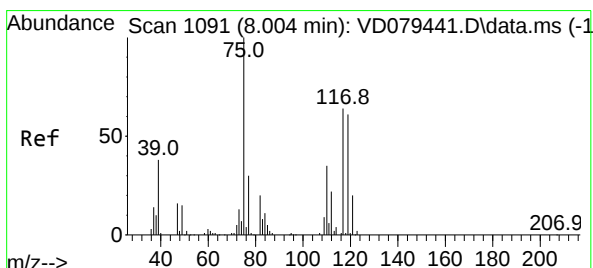
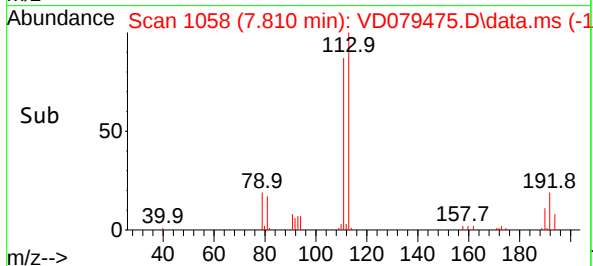
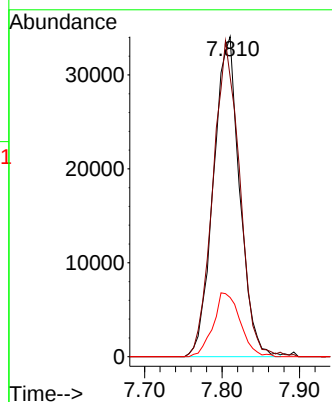
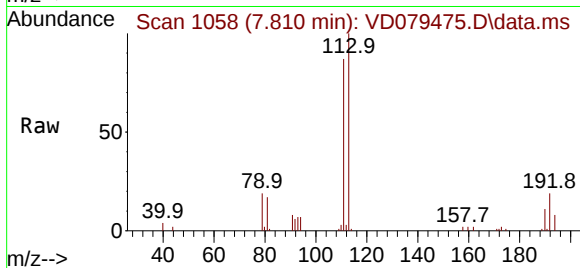
Tgt Ion:113 Resp: 80066

Ion Ratio Lower Upper

113 100

111 100.7 84.0 126.0

192 20.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 5.349 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

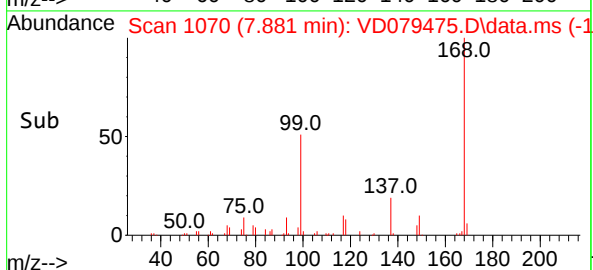
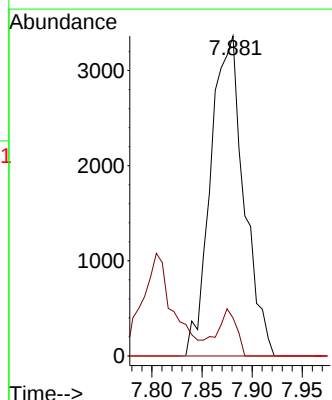
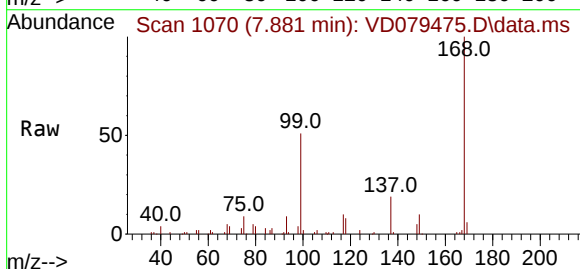
Tgt Ion: 75 Resp: 7774

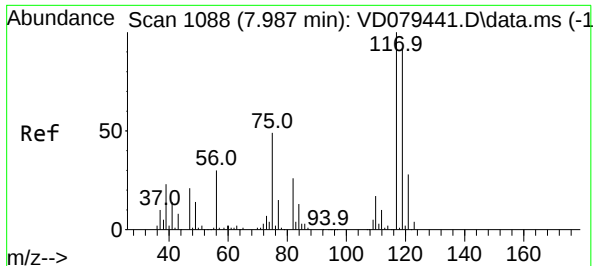
Ion Ratio Lower Upper

75 100

110 8.5 19.6 58.7#

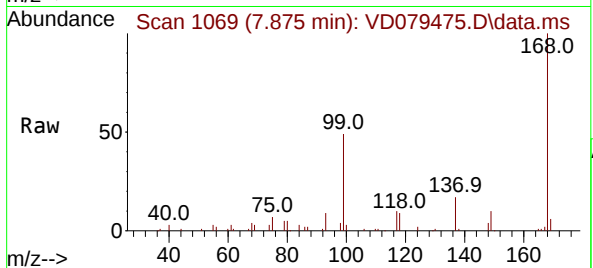
77 0.0 26.1 39.1#



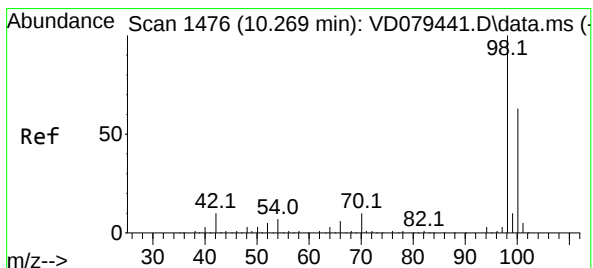
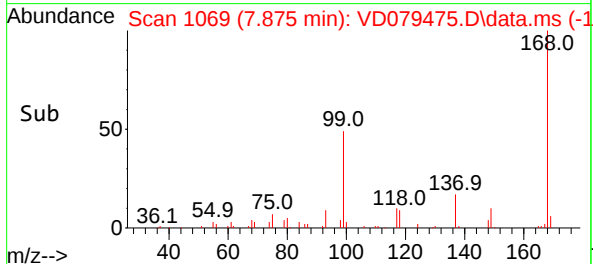
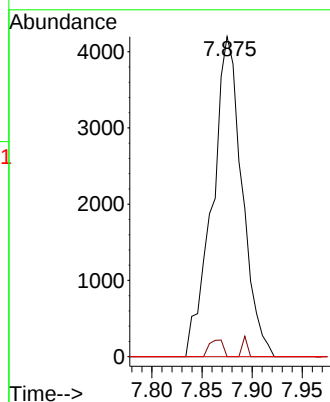


#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

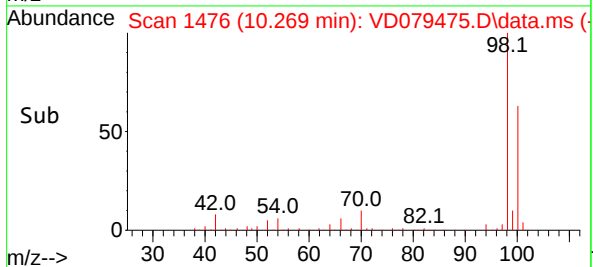
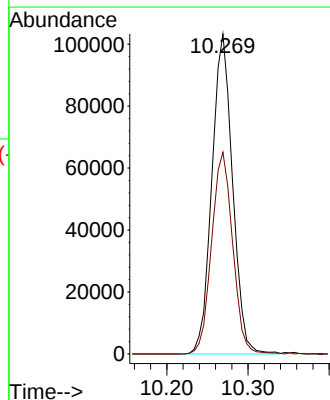
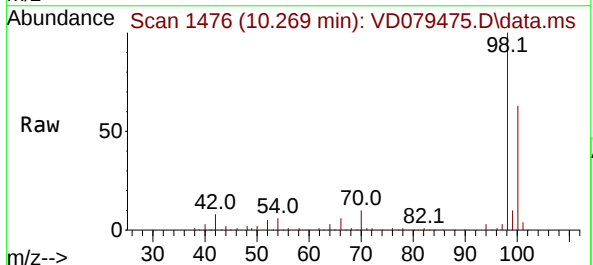


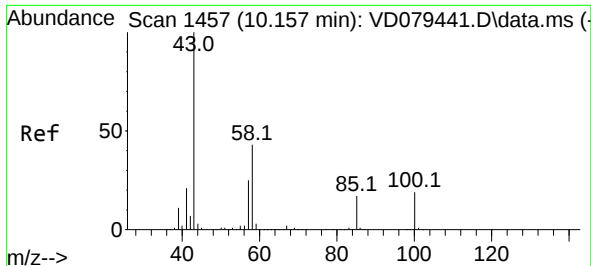
Tgt Ion:117 Resp: 8651
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 44.158 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion: 98 Resp: 182599
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

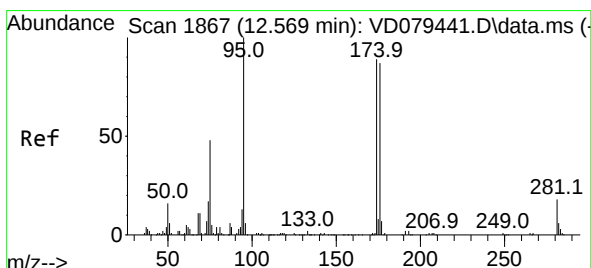
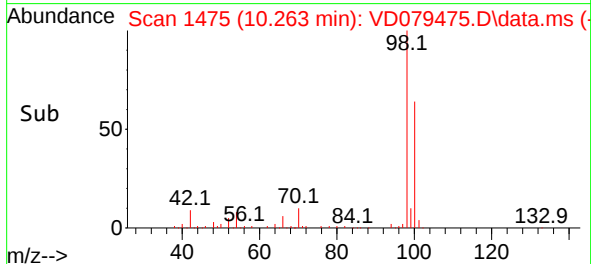
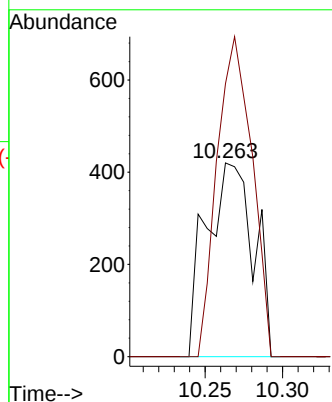
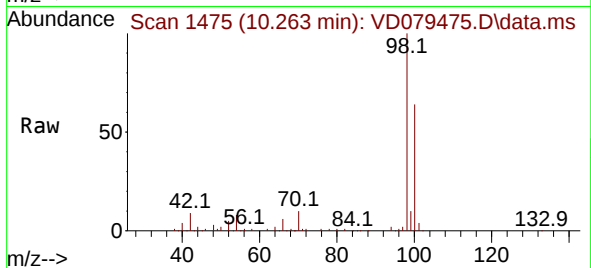




#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

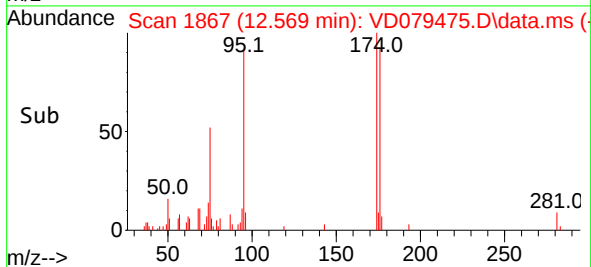
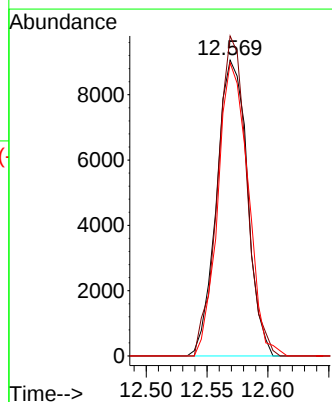
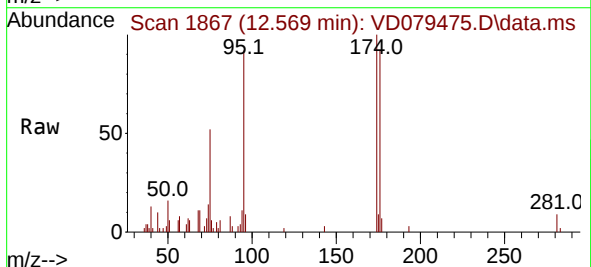
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

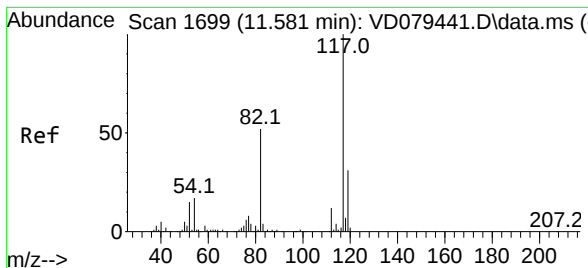
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 121.6 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 13.288 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion: 95 Resp: 15901
Ion Ratio Lower Upper
95 100
174 102.4 0.0 195.4
176 97.3 0.0 192.6

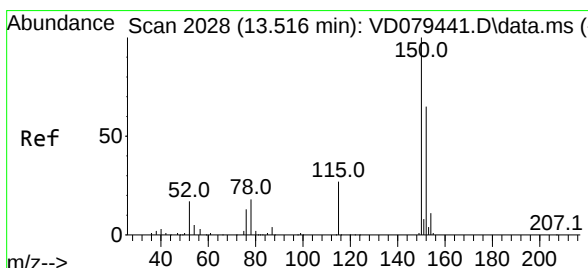
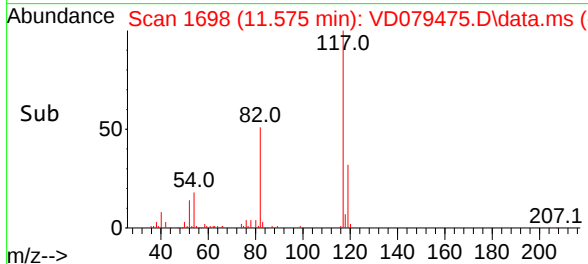
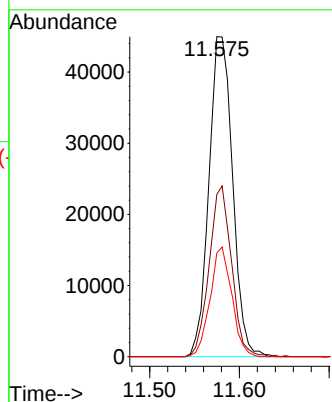
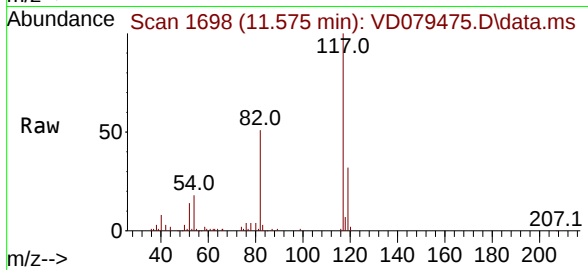




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

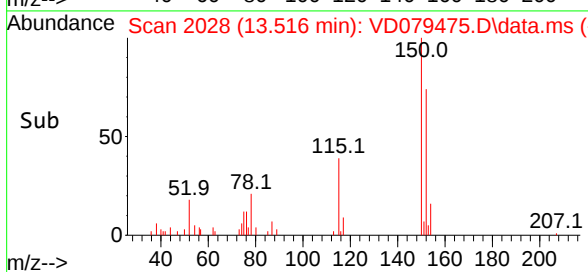
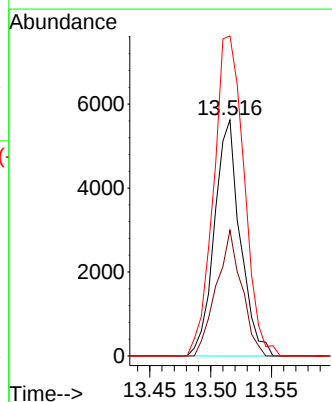
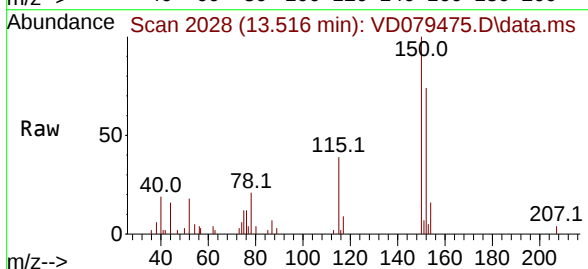
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

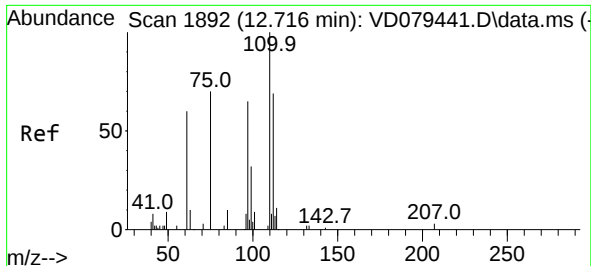
Tgt Ion:117 Resp: 82482
Ion Ratio Lower Upper
117 100
82 50.7 39.8 59.6
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion:152 Resp: 8293
Ion Ratio Lower Upper
152 100
115 52.3 26.5 79.5
150 160.1 0.0 341.6

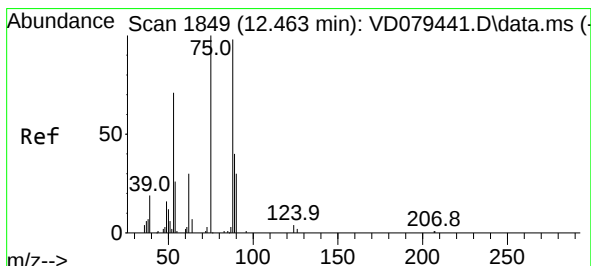
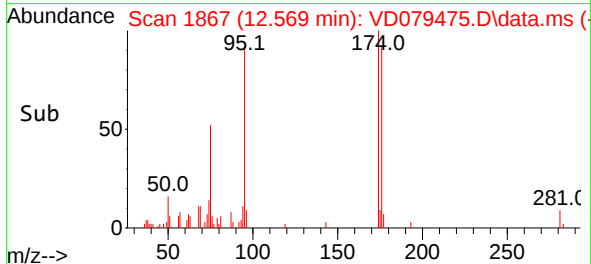
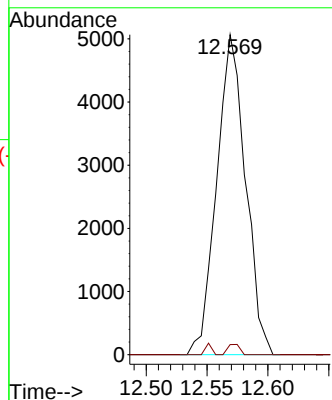
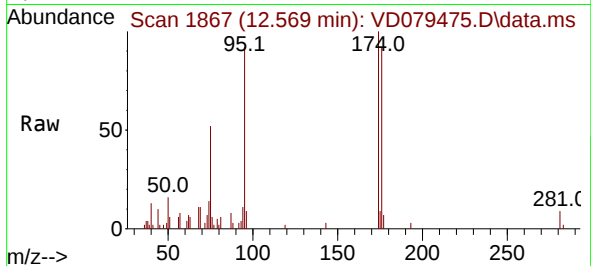




#76
1,2,3-Trichloropropane
Concen: 115.245 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

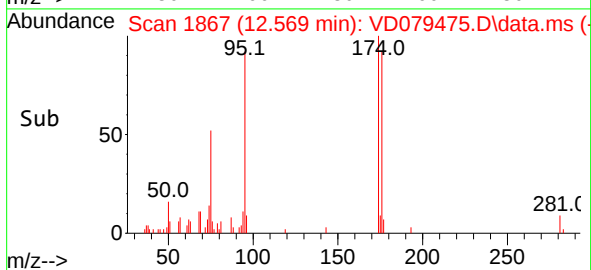
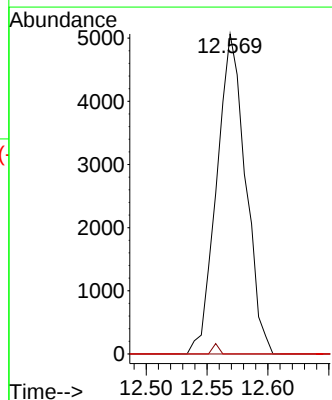
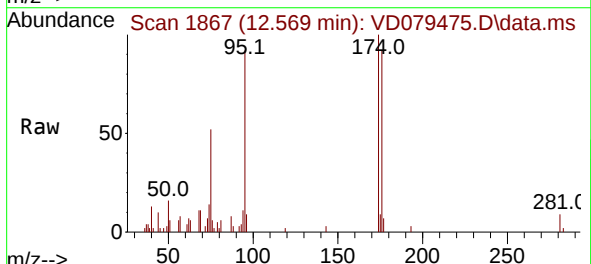
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

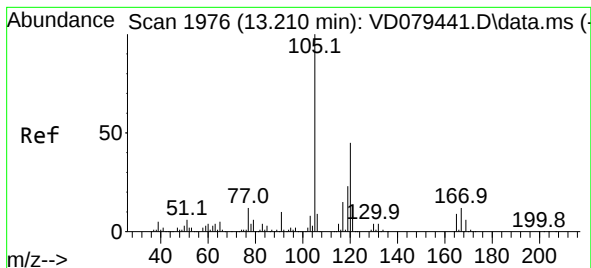
Tgt Ion: 75 Resp: 8354
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 219.803 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion: 75 Resp: 8354
Ion Ratio Lower Upper
75 100
53 0.7 61.4 92.2#
89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.694 ug/l

RT: 13.216 min Scan# 1976

Delta R.T. 0.012 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

Instrument :

MSVOA_D

ClientSampleId :

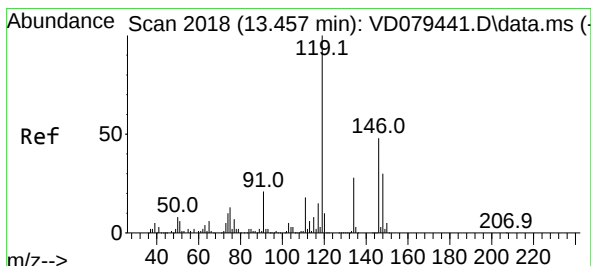
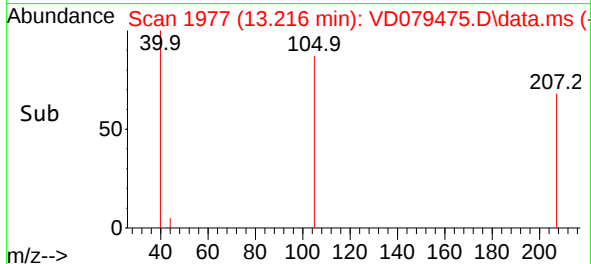
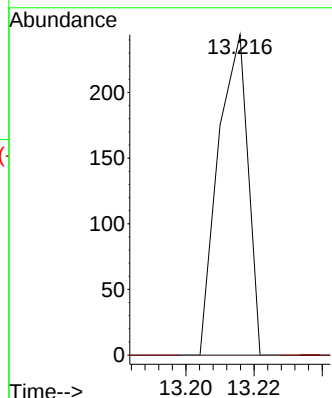
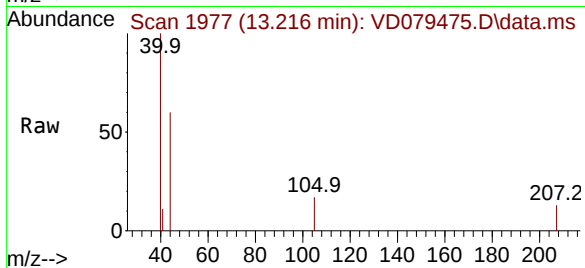
WC-8-VOC

Tgt Ion:105 Resp: 148

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#86

p-Isopropyltoluene

Concen: 4.323 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079475.D

Acq: 31 Jul 2024 01:29

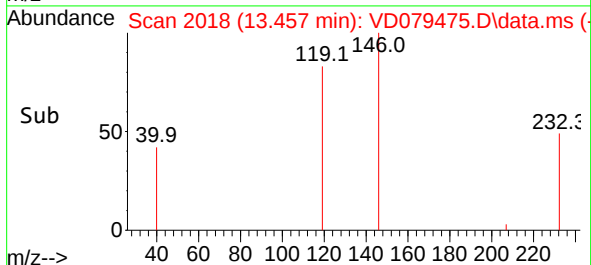
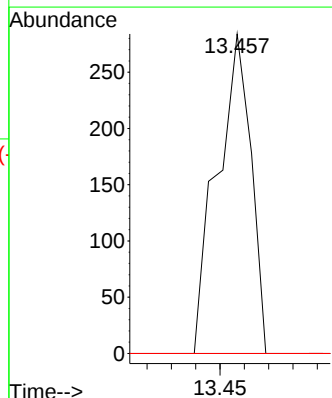
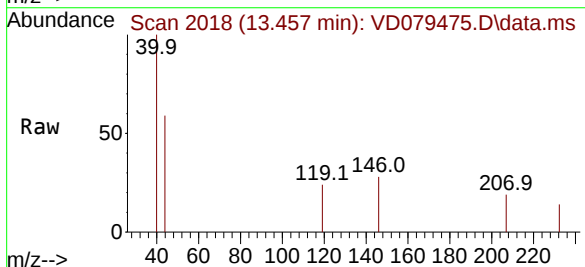
Tgt Ion:119 Resp: 275

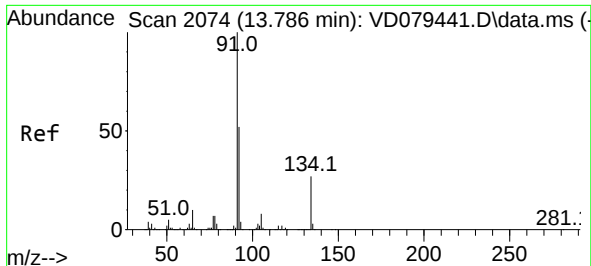
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#

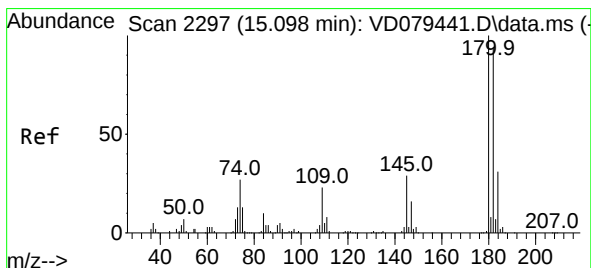
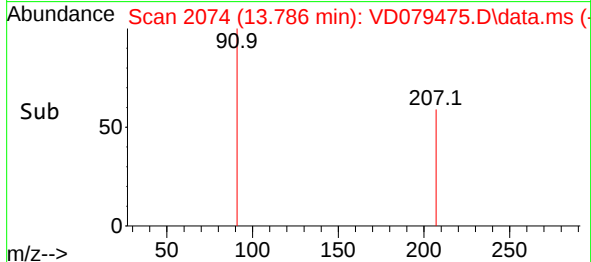
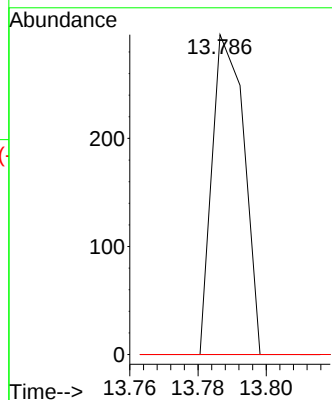
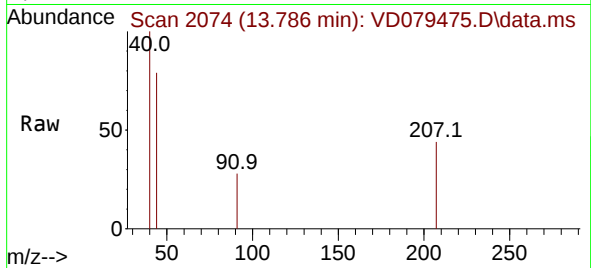




#89
n-Butylbenzene
Concen: 4.113 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

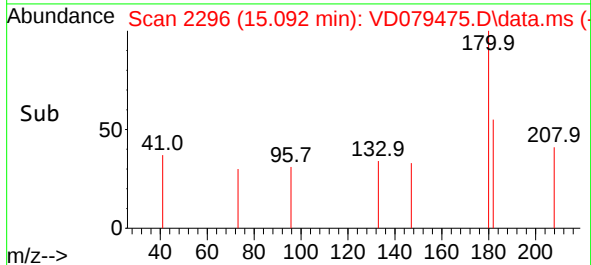
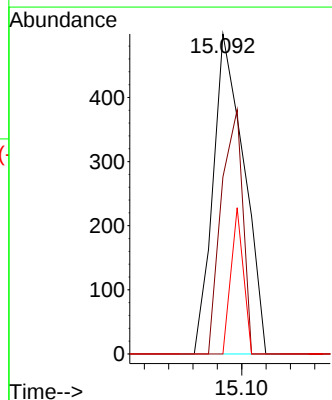
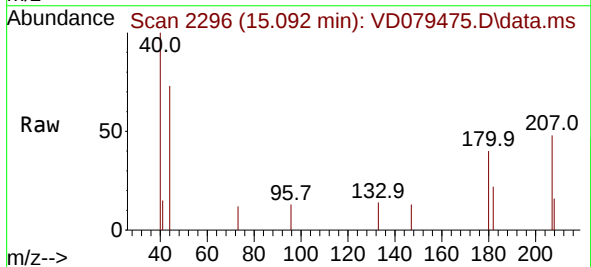
Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

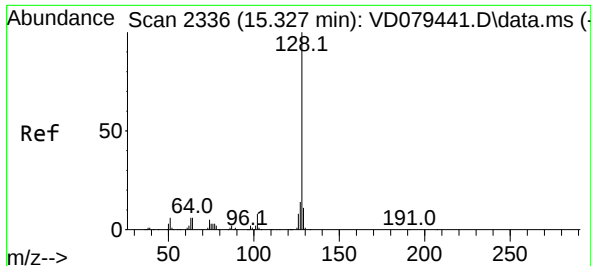
Tgt Ion: 91 Resp: 192
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.837 ug/l
RT: 15.092 min Scan# 2296
Delta R.T. -0.000 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion: 180 Resp: 440
Ion Ratio Lower Upper
180 100
182 52.7 46.9 140.7
145 18.2 14.0 41.9

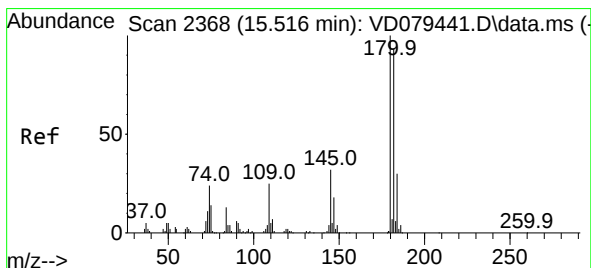
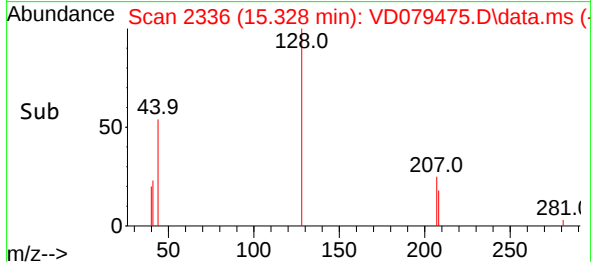
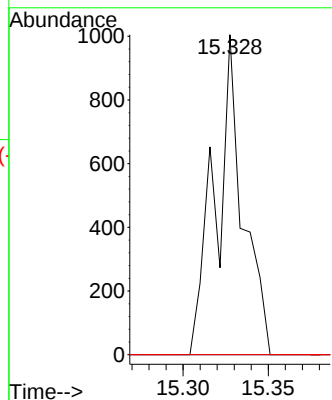
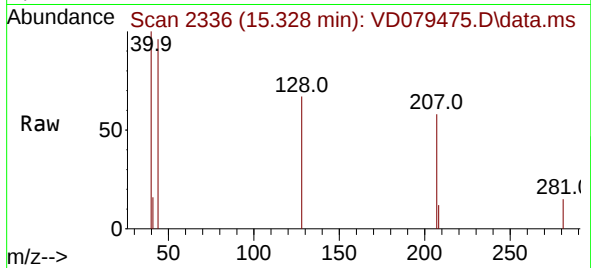




#95
Naphthalene
Concen: 4.180 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Instrument :
MSVOA_D
ClientSampleId :
WC-8-VOC

Tgt Ion:128 Resp: 1122
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.678 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD079475.D
Acq: 31 Jul 2024 01:29

Tgt Ion:180 Resp: 229
Ion Ratio Lower Upper
180 100
182 70.3 47.8 143.3
145 0.0 16.1 48.2#

