

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079474.D
 Acq On : 31 Jul 2024 01:02
 Operator : RP/MD
 Sample : P3376-10
 Misc : 4.69G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-7-VOC

Quant Time: Jul 31 04:35:50 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)

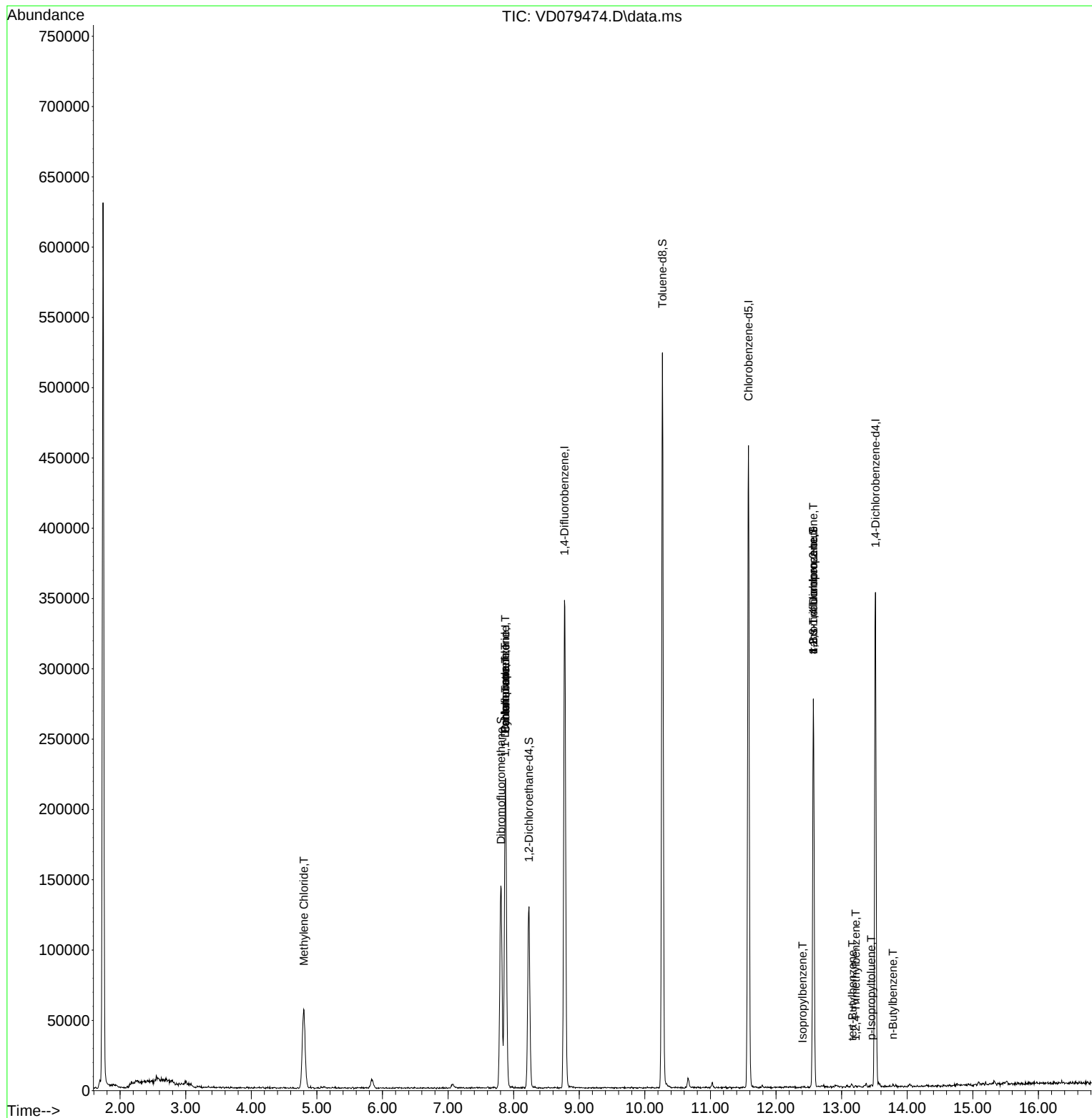
Internal Standards						
1) Pentafluorobenzene	7.875	168	177162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	325886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	279437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	101824	56.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.160%
35) Dibromofluoromethane	7.810	113	108430	49.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.320%
50) Toluene-d8	10.269	98	362959	42.373	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.740%
62) 4-Bromofluorobenzene	12.569	95	83428	33.657	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	1005	Below Cal		88
20) Methylene Chloride	4.804	84	45590	2.704 ug/l	#	93
31) Cyclohexane	7.875	56	3533	1.182 ug/l	#	31
36) 1,1-Dichloropropene	7.869	75	13620	4.524 ug/l	#	44
38) Carbon Tetrachloride	7.875	117	16583	5.240 ug/l	#	20
73) Isopropylbenzene	12.404	105	125	3.643 ug/l	#	48
76) 1,2,3-Trichloropropane	12.569	75	42999	49.731 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.569	75	42999	94.851 ug/l	#	19
83) tert-Butylbenzene	13.163	119	102	3.646 ug/l	#	1
84) 1,2,4-Trimethylbenzene	13.216	105	464	3.498 ug/l		97
86) p-Isopropyltoluene	13.451	119	309	3.928 ug/l	#	77
89) n-Butylbenzene	13.780	91	867	3.907 ug/l	#	78

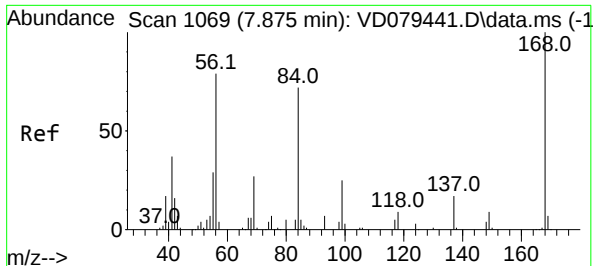
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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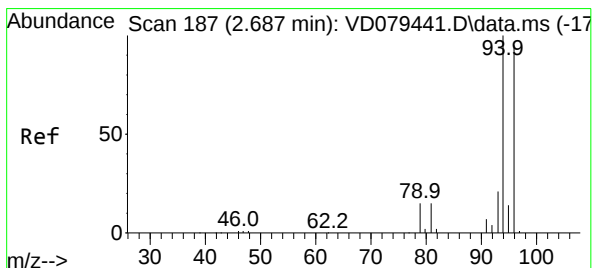
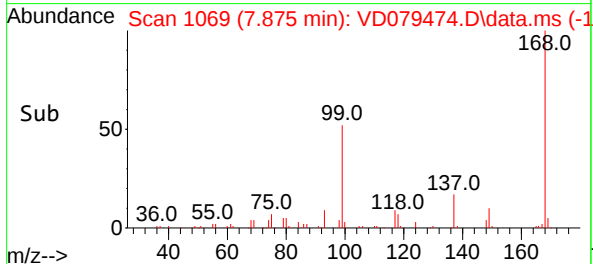
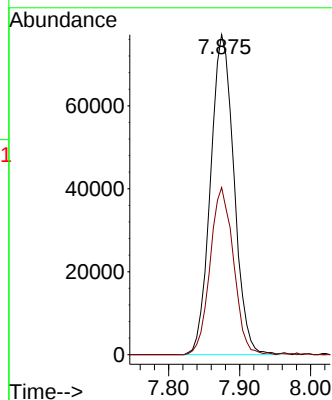
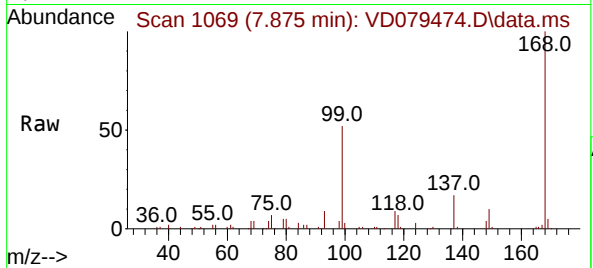




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

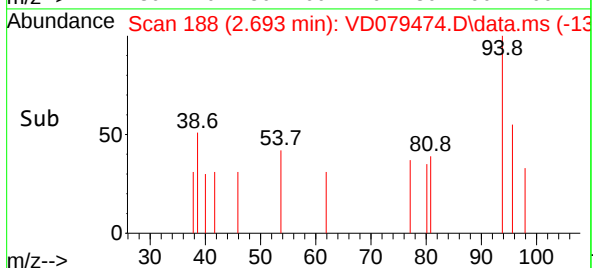
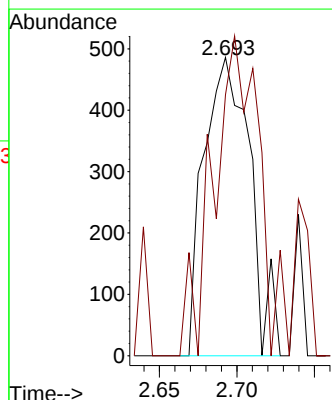
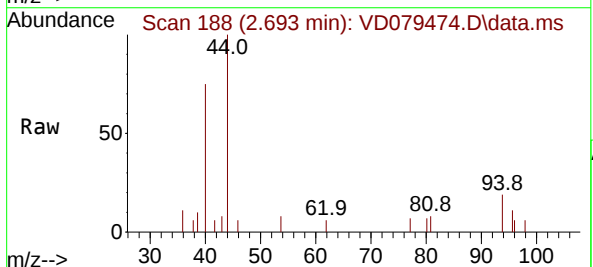
Instrument :
MSVOA_D
ClientSampleId :
WC-7-VOC

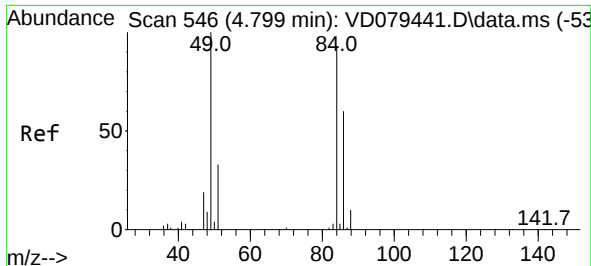
Tgt Ion:168 Resp: 177162
Ion Ratio Lower Upper
168 100
99 52.3 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion: 94 Resp: 1005
Ion Ratio Lower Upper
94 100
96 107.7 76.9 115.3

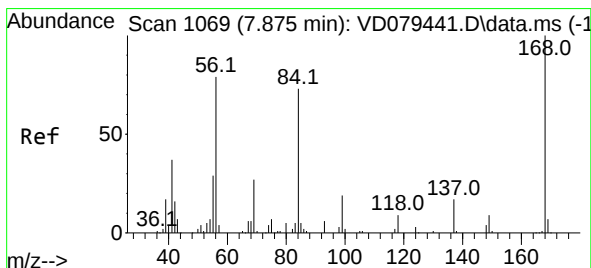
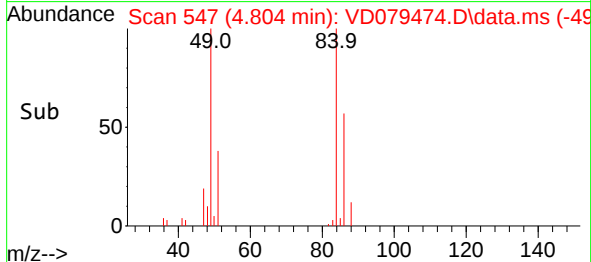
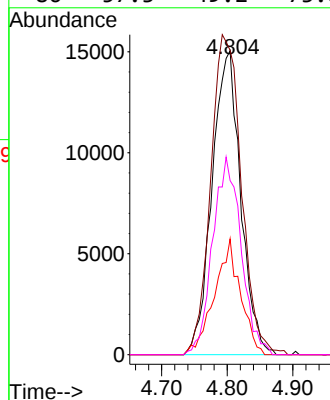
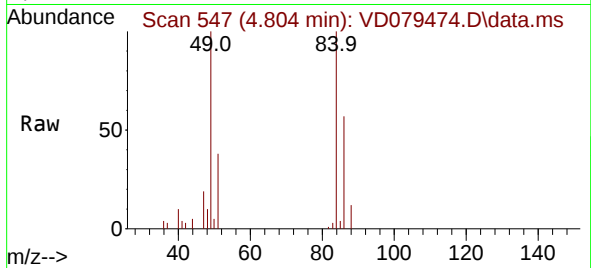




#20
Methylene Chloride
Concen: 2.704 ug/l
RT: 4.804 min Scan# 546
Delta R.T. 0.005 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

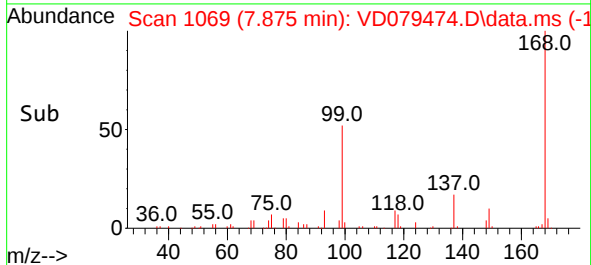
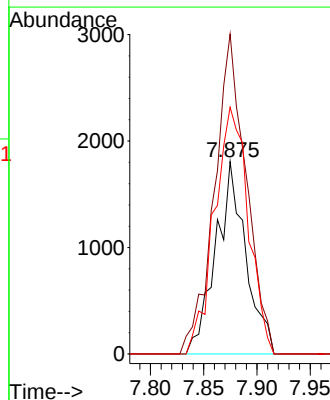
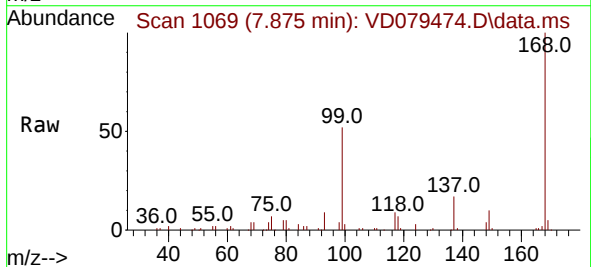
Instrument :
MSVOA_D
ClientSampleId :
WC-7-VOC

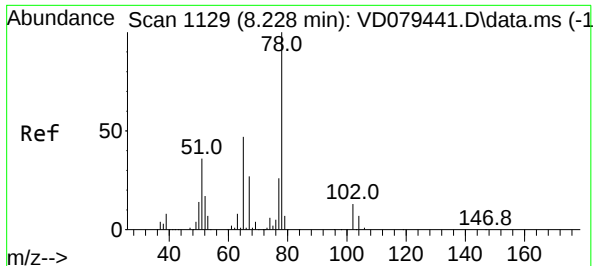
Tgt Ion: 84	Resp: 45590
Ion Ratio	Lower Upper
84 100	
49 100.1	75.6 113.4
51 38.1	24.2 36.2#
86 57.3	49.2 73.8



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion: 56	Resp: 3533		
Ion Ratio	Lower	Upper	
56	100		
69	166.4	28.0	42.0#
84	128.3	87.4	131.0





#33

1,2-Dichloroethane-d4

Concen: 56.575 ug/l

RT: 8.233 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

Instrument :

MSVOA_D

ClientSampleId :

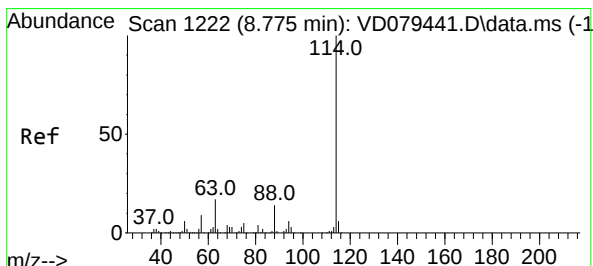
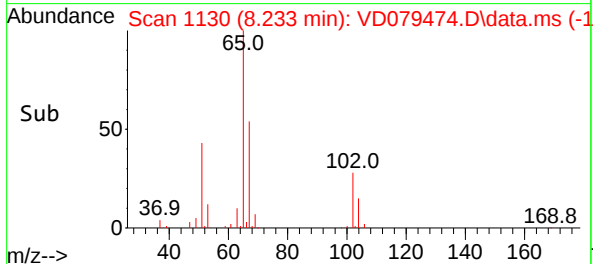
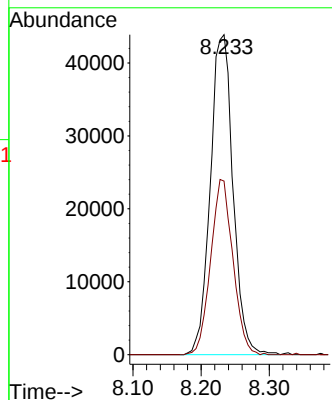
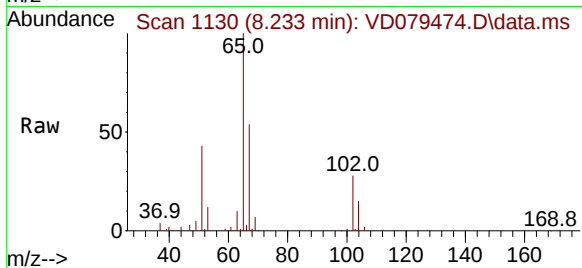
WC-7-VOC

Tgt Ion: 65 Resp: 101824

Ion Ratio Lower Upper

65 100

67 53.6 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: VD079474.D

Acq: 31 Jul 2024 01:02

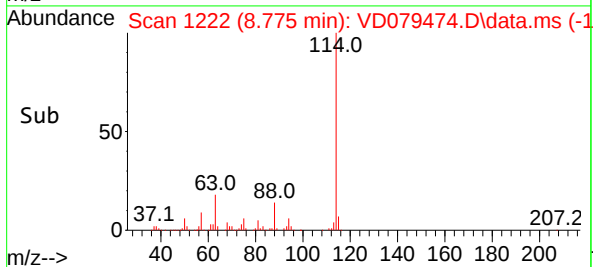
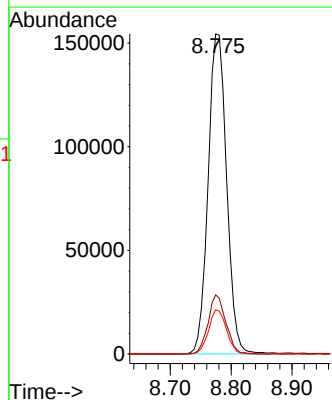
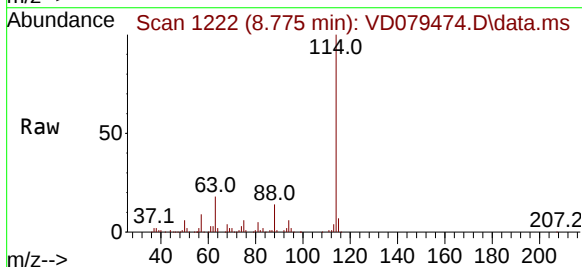
Tgt Ion: 114 Resp: 325886

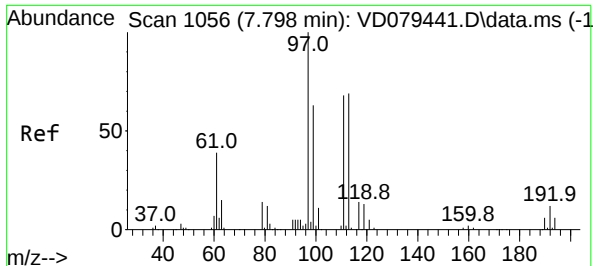
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.158 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

Instrument :

MSVOA_D

ClientSampleId :

WC-7-VOC

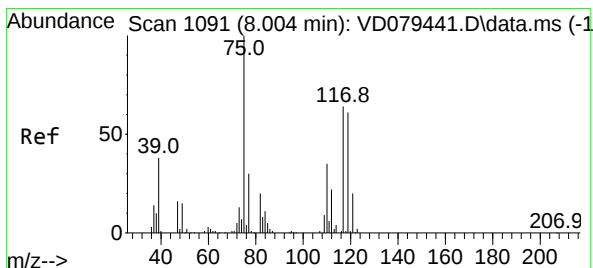
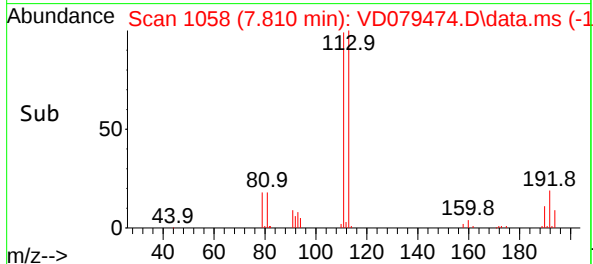
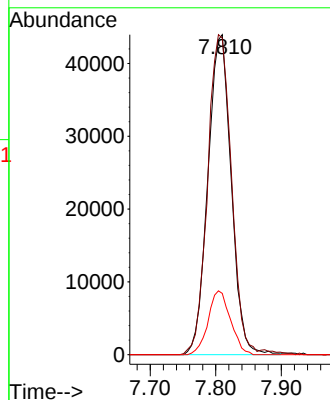
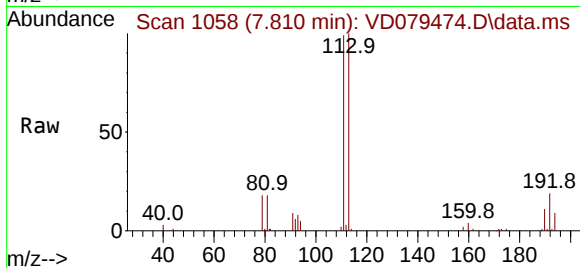
Tgt Ion:113 Resp: 108430

Ion Ratio Lower Upper

113 100

111 102.0 84.0 126.0

192 19.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

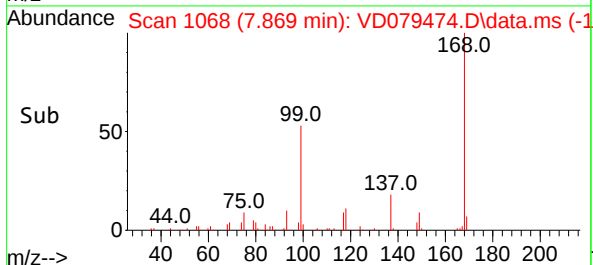
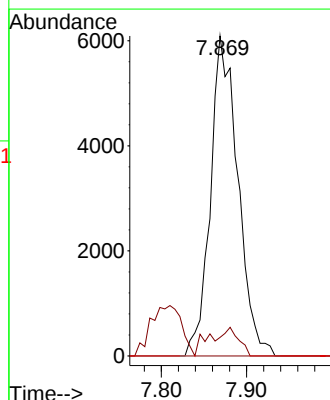
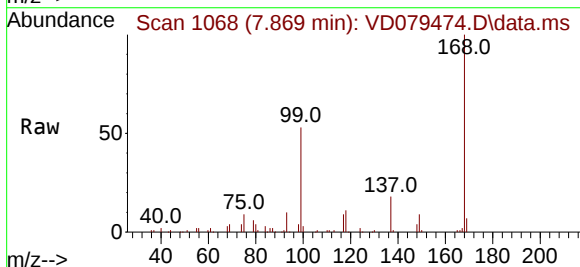
Tgt Ion: 75 Resp: 13620

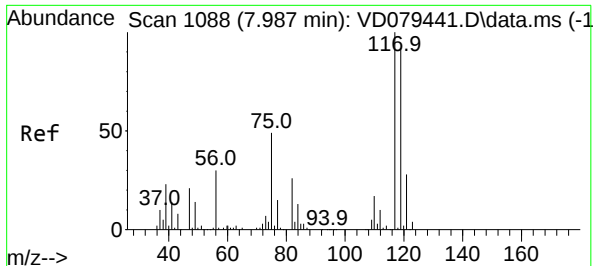
Ion Ratio Lower Upper

75 100

110 5.7 19.6 58.7#

77 0.0 26.1 39.1#

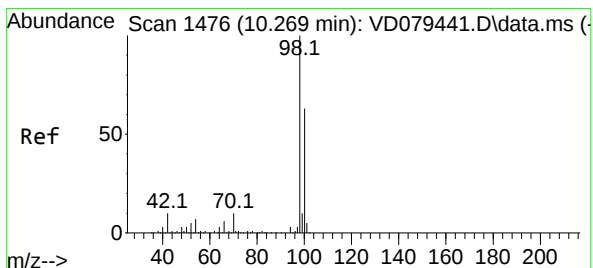
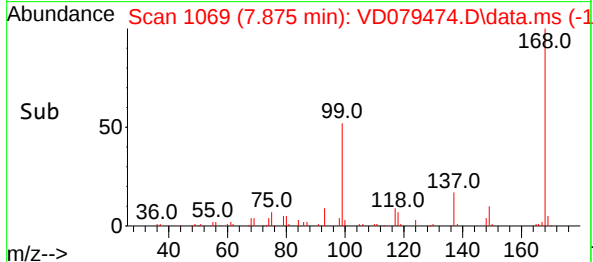
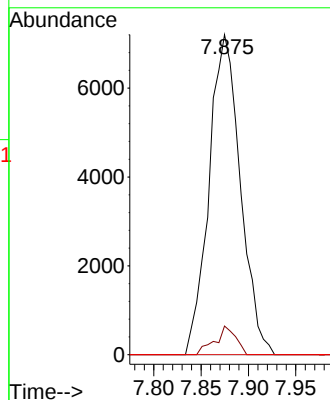
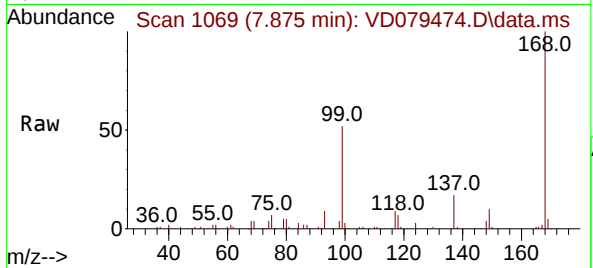




#38
Carbon Tetrachloride
Concen: 5.240 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

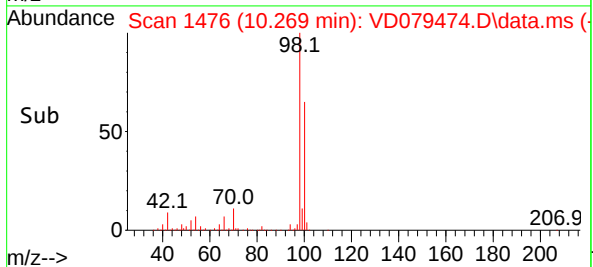
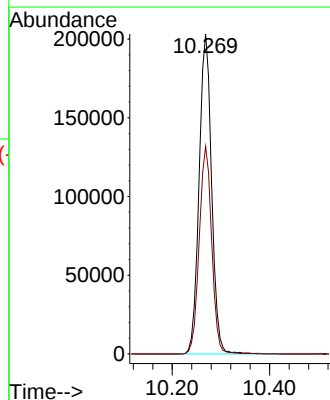
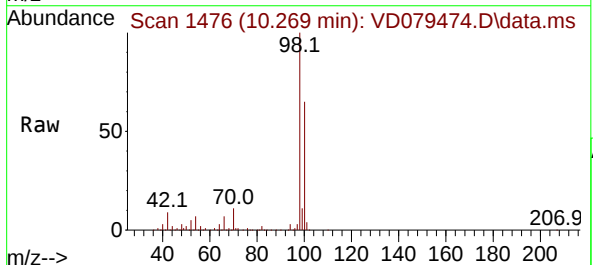
Instrument :
MSVOA_D
ClientSampleId :
WC-7-VOC

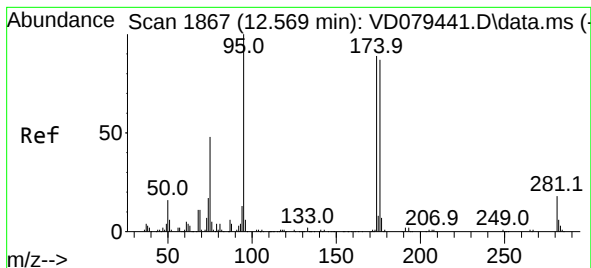
Tgt Ion:117 Resp: 16583
Ion Ratio Lower Upper
117 100
119 8.9 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 42.373 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.005 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion: 98 Resp: 362959
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

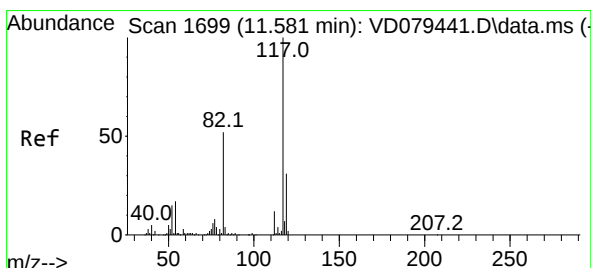
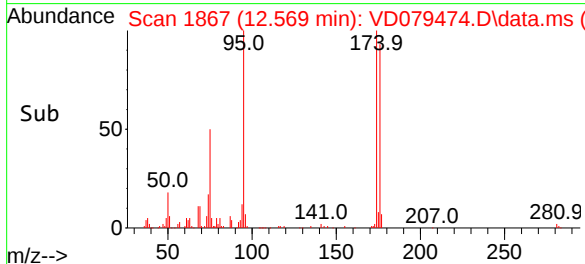
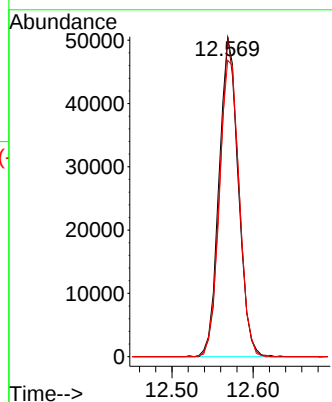
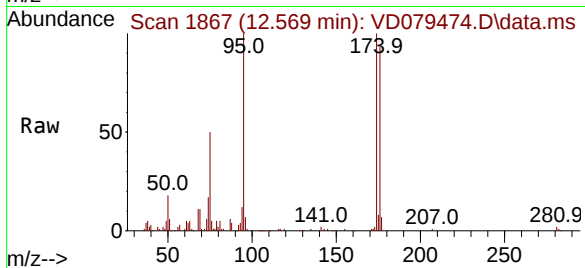




#62
4-Bromofluorobenzene
Concen: 33.657 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

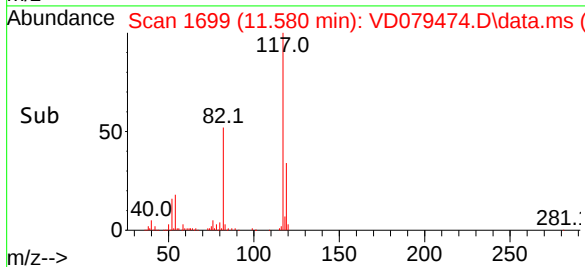
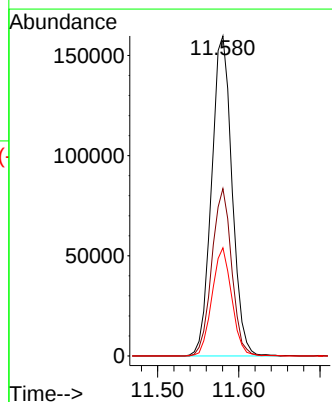
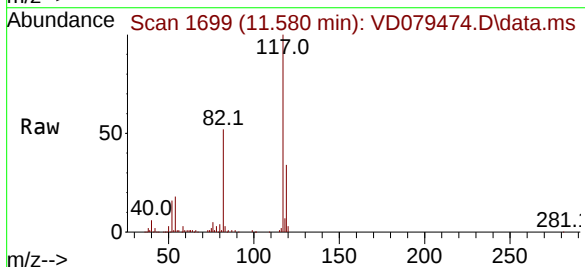
Instrument :
MSVOA_D
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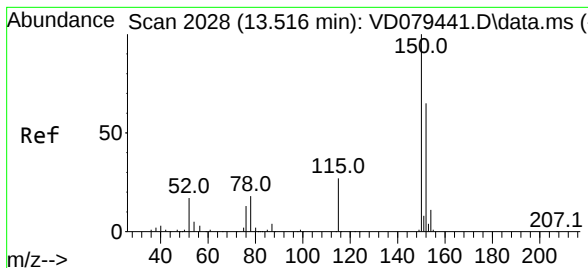
Tgt Ion: 95 Resp: 83428
Ion Ratio Lower Upper
95 100
174 96.4 0.0 195.4
176 95.2 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion: 117 Resp: 279437
Ion Ratio Lower Upper
117 100
82 52.3 39.8 59.6
119 33.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.005 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

Instrument :

MSVOA_D

ClientSampleId :

WC-7-VOC

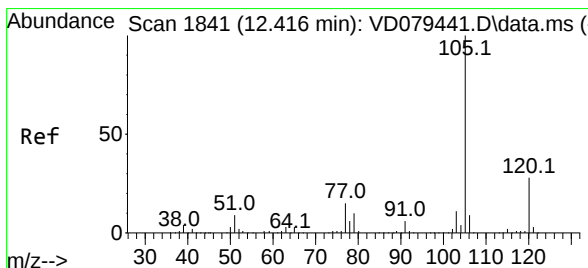
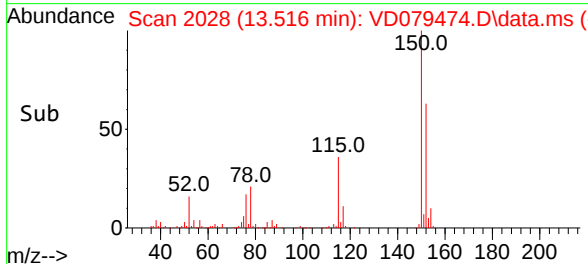
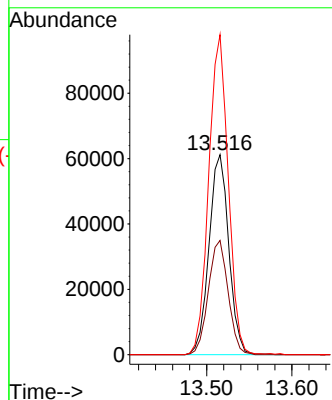
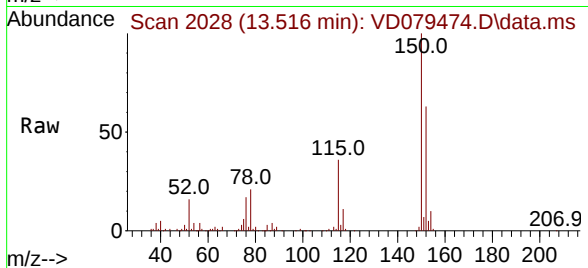
Tgt Ion:152 Resp: 98916

Ion Ratio Lower Upper

152 100

115 57.1 26.5 79.5

150 157.5 0.0 341.6



#73

Isopropylbenzene

Concen: 3.643 ug/l

RT: 12.404 min Scan# 1839

Delta R.T. -0.012 min

Lab File: VD079474.D

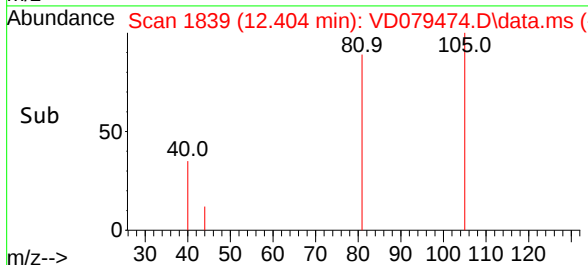
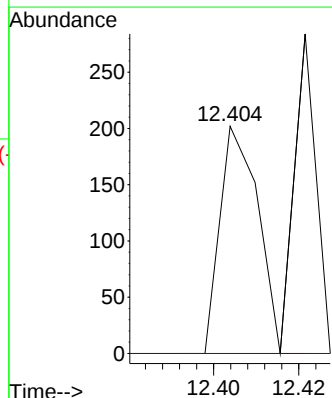
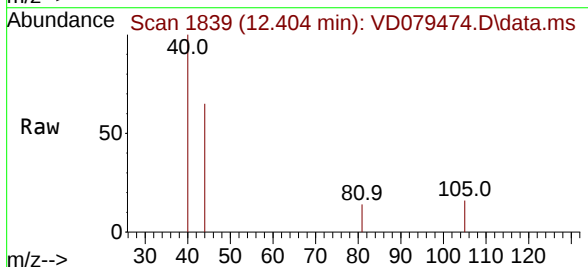
Acq: 31 Jul 2024 01:02

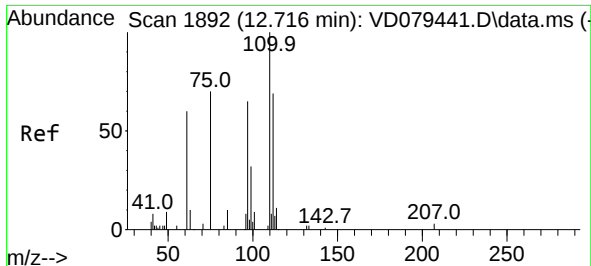
Tgt Ion:105 Resp: 125

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

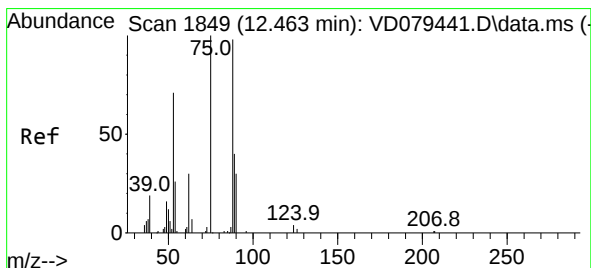
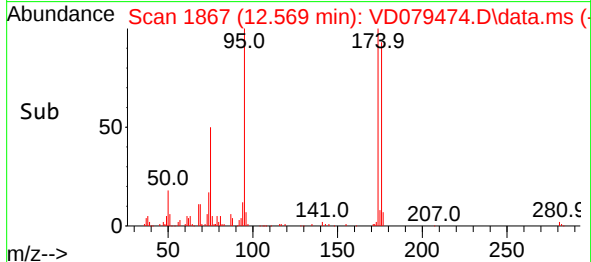
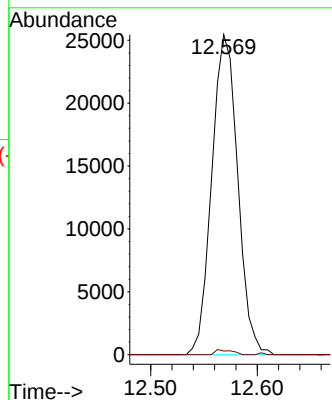
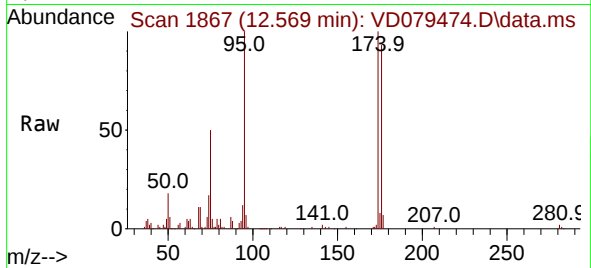




#76
1,2,3-Trichloropropane
Concen: 49.731 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

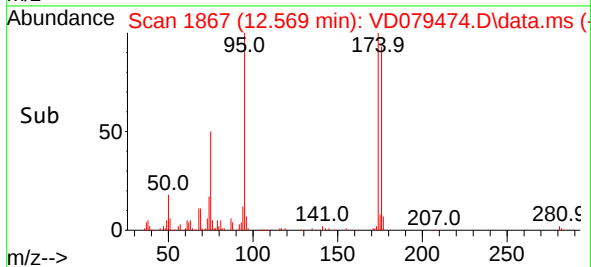
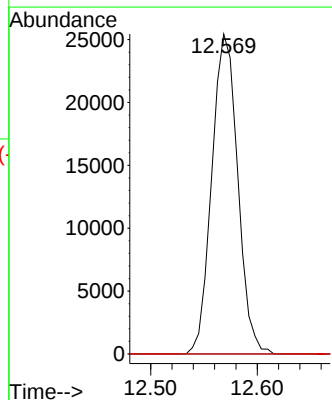
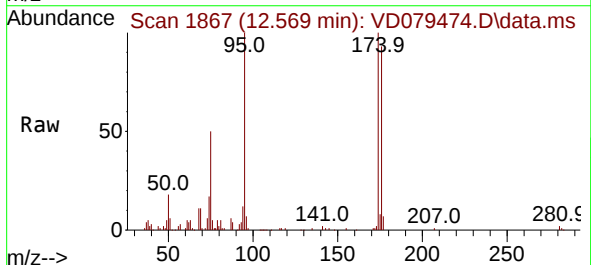
Instrument :
MSVOA_D
ClientSampleId :
WC-7-VOC

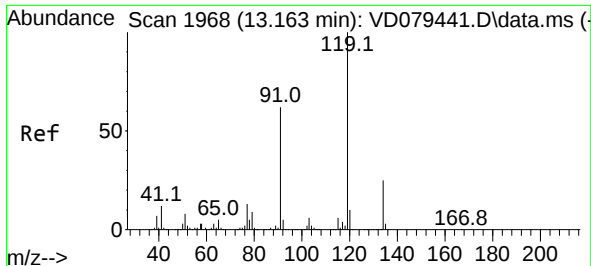
Tgt Ion: 75 Resp: 42999
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.851 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion: 75 Resp: 42999
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

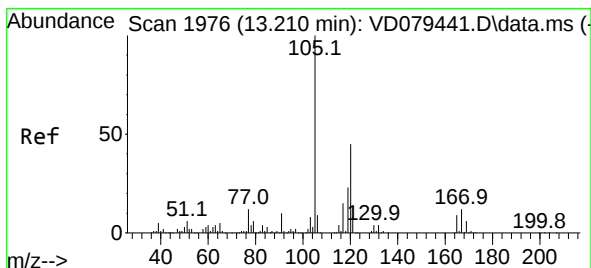
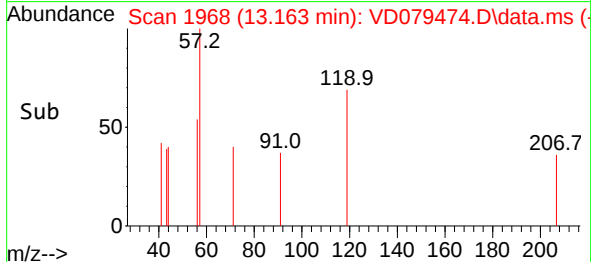
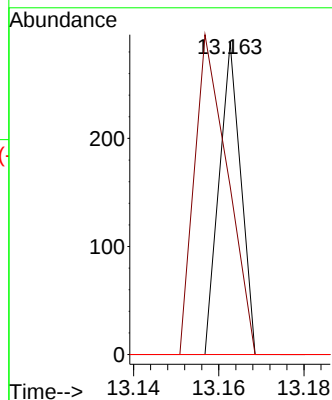
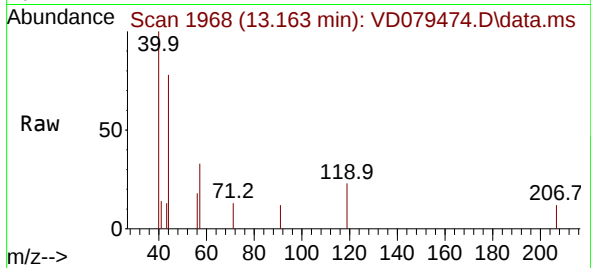




#83
tert-Butylbenzene
Concen: 3.646 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

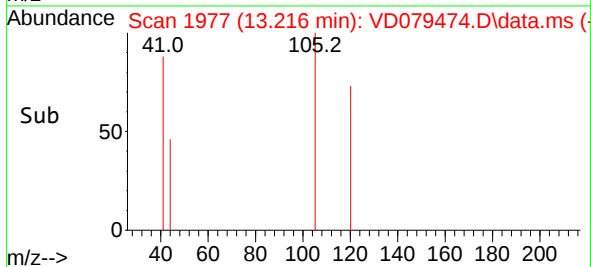
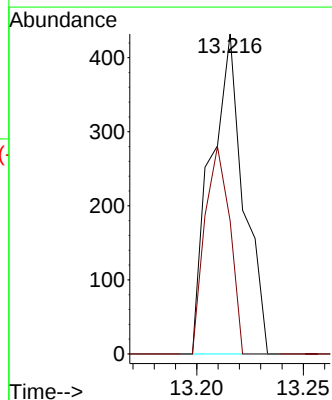
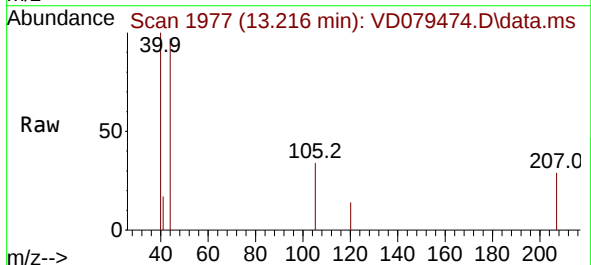
Instrument :
MSVOA_D
ClientSampleId :
WC-7-VOC

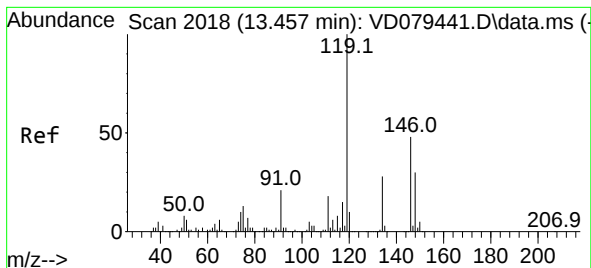
Tgt Ion:119 Resp: 102
Ion Ratio Lower Upper
119 100
91 156.9 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.498 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079474.D
Acq: 31 Jul 2024 01:02

Tgt Ion:105 Resp: 464
Ion Ratio Lower Upper
105 100
120 49.1 23.6 71.0





#86

p-Isopropyltoluene

Concen: 3.928 ug/l

RT: 13.451 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

Instrument :

MSVOA_D

ClientSampleId :

WC-7-VOC

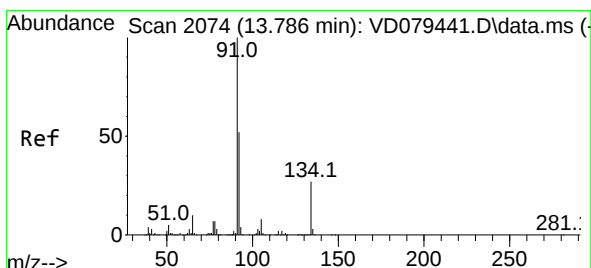
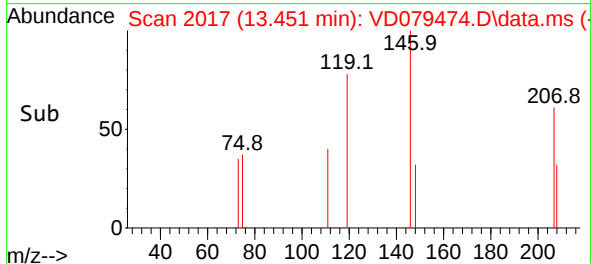
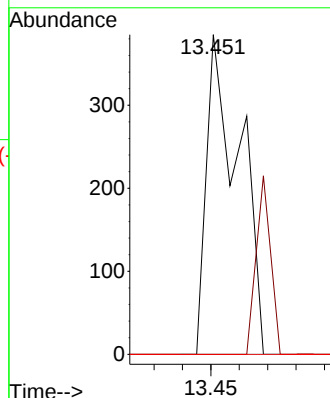
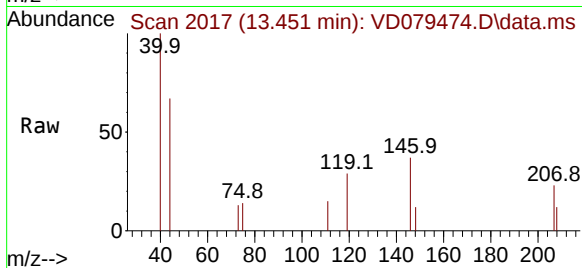
Tgt Ion:119 Resp: 309

Ion Ratio Lower Upper

119 100

134 24.6 13.7 41.1

91 0.0 10.7 32.1#



#89

n-Butylbenzene

Concen: 3.907 ug/l

RT: 13.780 min Scan# 2073

Delta R.T. -0.001 min

Lab File: VD079474.D

Acq: 31 Jul 2024 01:02

Tgt Ion: 91 Resp: 867

Ion Ratio Lower Upper

91 100

92 42.9 25.7 77.0

134 6.7 13.6 40.8#

