

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077463.D
 Acq On : 31 Oct 2023 16:15
 Operator : JC/SY
 Sample : 05169-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:08:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

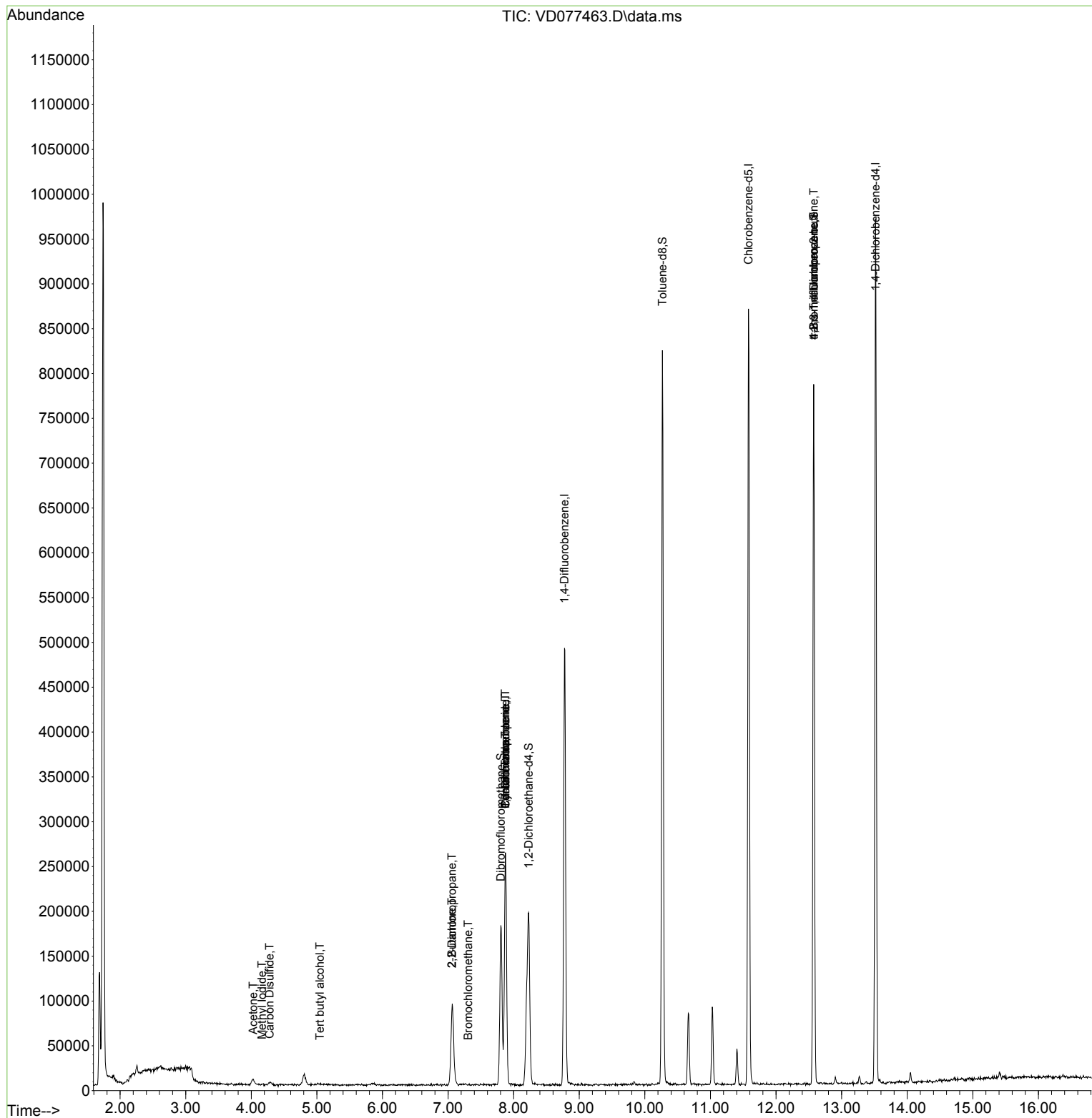
Internal Standards						
1) Pentafluorobenzene	7.875	168	189167	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	403844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	454870	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	237317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	134319	50.214	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.420%			
35) Dibromofluoromethane	7.804	113	129567	46.420	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.840%			
50) Toluene-d8	10.269	98	530173	48.901	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.575	95	236065	64.647	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 129.300%			
Target Compounds						Qvalue
10) Methyl Iodide	4.163	142	73	3.175	ug/l #	13
11) Tert butyl alcohol	5.045	59	680	3.209	ug/l #	59
16) Acetone	4.028	43	11852	16.745	ug/l #	70
17) Carbon Disulfide	4.281	76	2575	4.165	ug/l #	32
25) 2-Butanone	7.057	43	2458	2.603	ug/l #	63
26) 2,2-Dichloropropane	7.057	77	6315	1.417	ug/l #	49
28) Bromochloromethane	7.304	49	68	2.134	ug/l #	1
31) Cyclohexane	7.875	56	6155	1.472	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	18315	4.426	ug/l #	48
38) Carbon Tetrachloride	7.875	117	19989	5.126	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	136095	47.118	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	136095	91.015	ug/l #	17

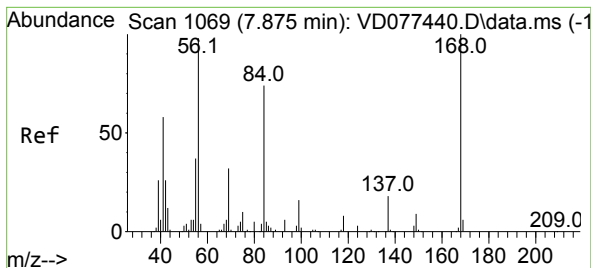
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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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: VD077463.D

Acq: 31 Oct 2023 16:15

Instrument :

MSVOA_D

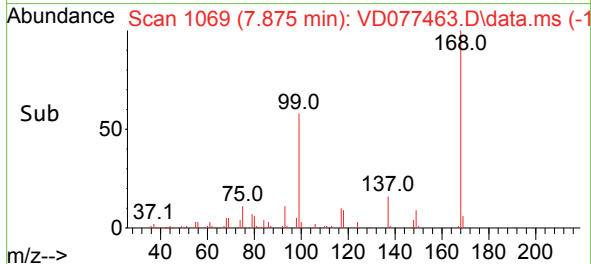
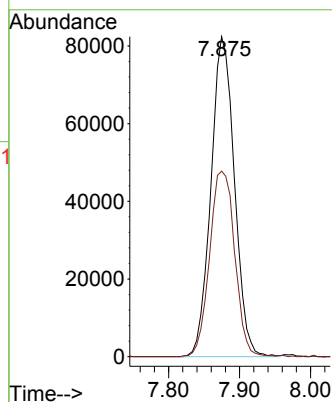
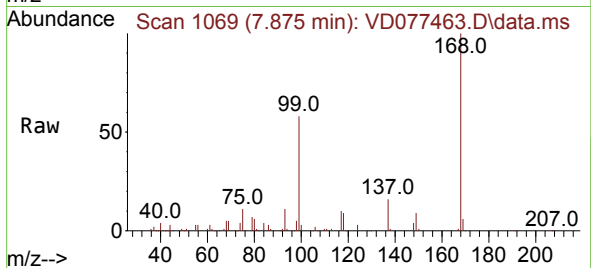
ClientSampleId :

Tgt Ion:168 Resp: 189167

Ion Ratio Lower Upper

168 100

99 58.0 36.7 55.1#



#10

Methyl Iodide

Concen: 3.175 ug/l

RT: 4.163 min Scan# 438

Delta R.T. -0.006 min

Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

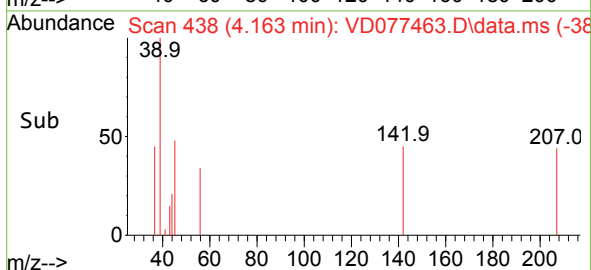
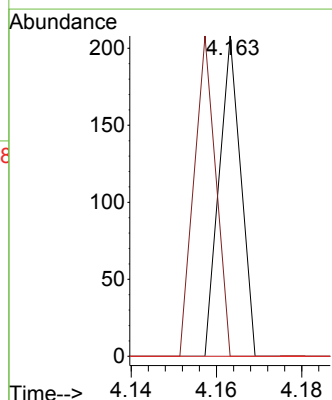
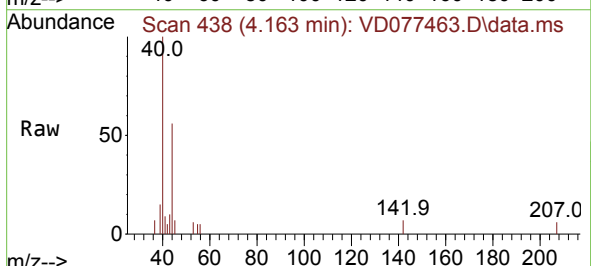
Tgt Ion:142 Resp: 73

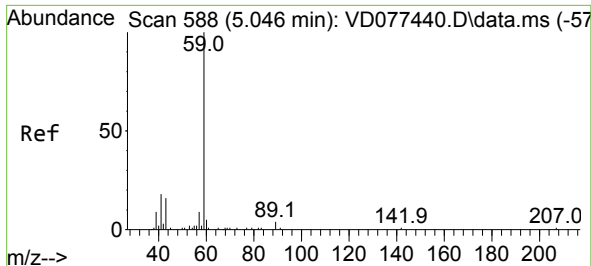
Ion Ratio Lower Upper

142 100

127 100.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 3.209 ug/l

RT: 5.045 min Scan# 588

Delta R.T. -0.000 min

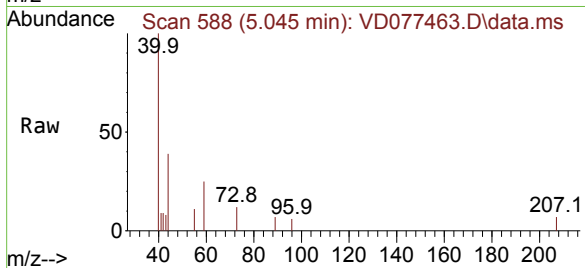
Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :

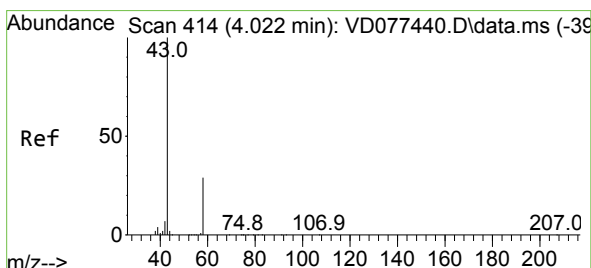
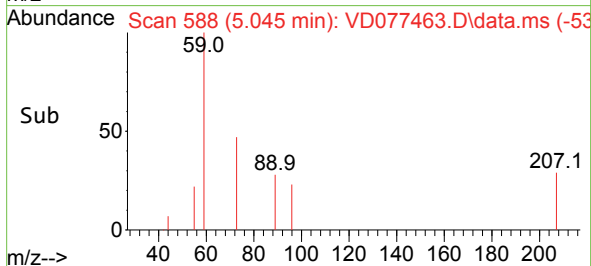
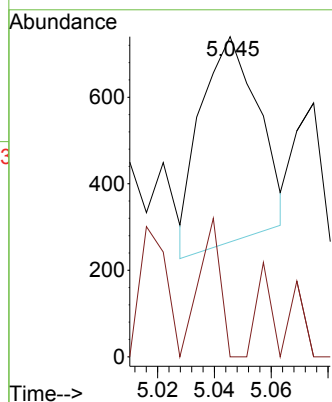


Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

57 24.9 7.8 11.8#



#16

Acetone

Concen: 16.745 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077463.D

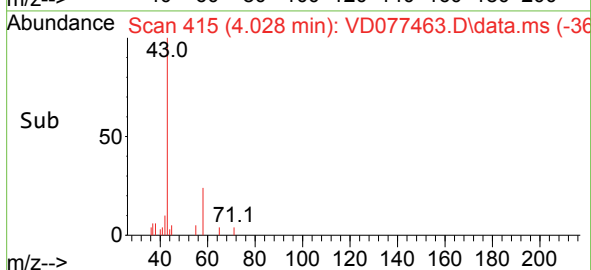
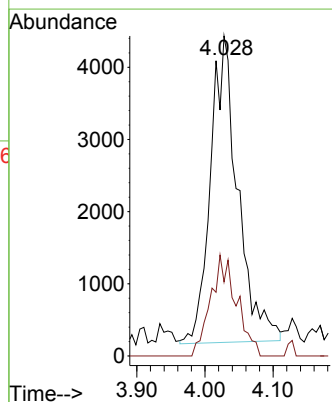
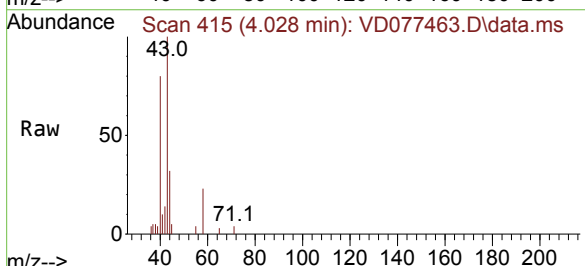
Acq: 31 Oct 2023 16:15

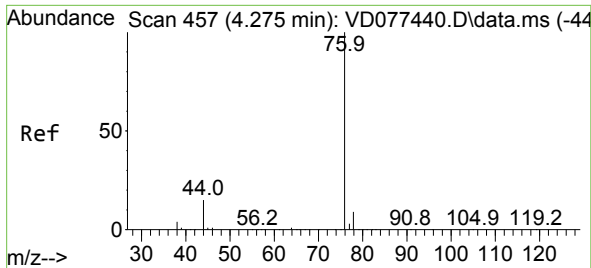
Tgt Ion: 43 Resp: 11852

Ion Ratio Lower Upper

43 100

58 24.3 34.7 52.1#

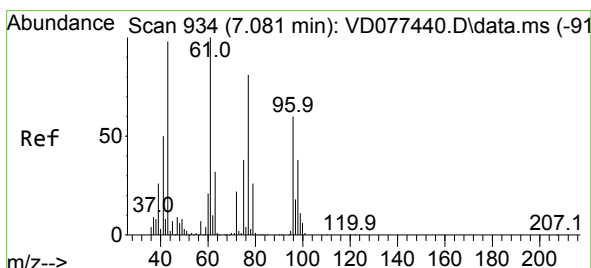
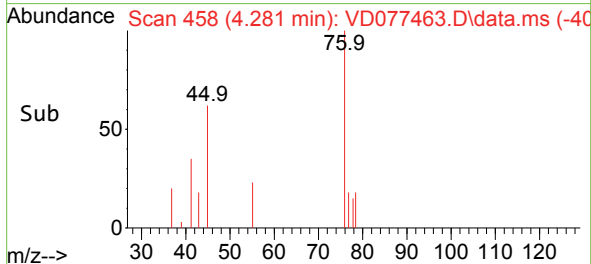
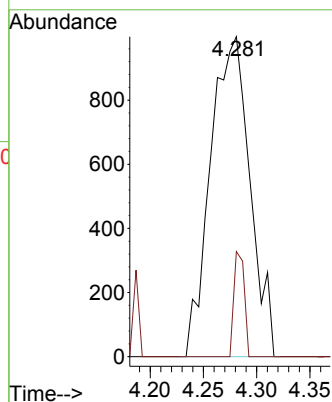
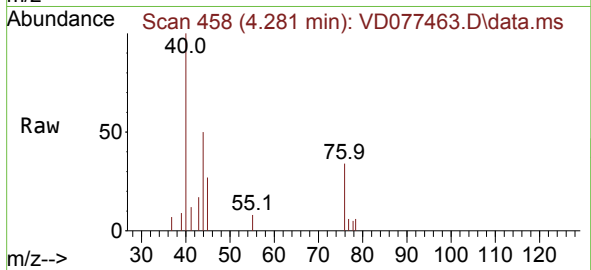




#17
Carbon Disulfide
Concen: 4.165 ug/l
RT: 4.281 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

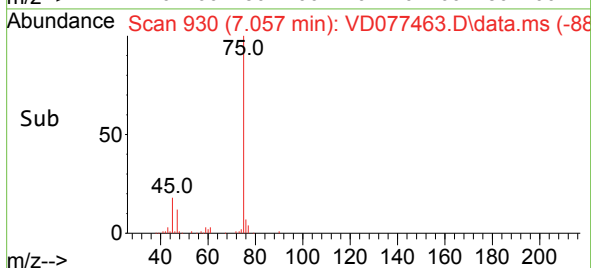
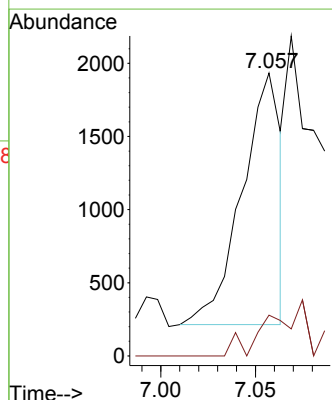
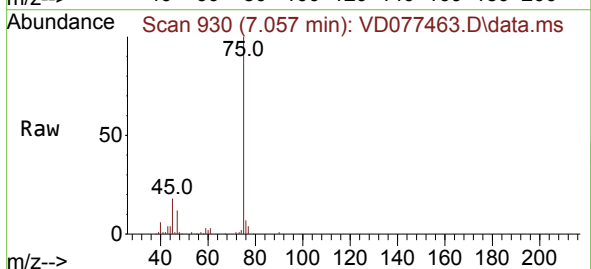
Instrument :
MSVOA_D
ClientSampleId :

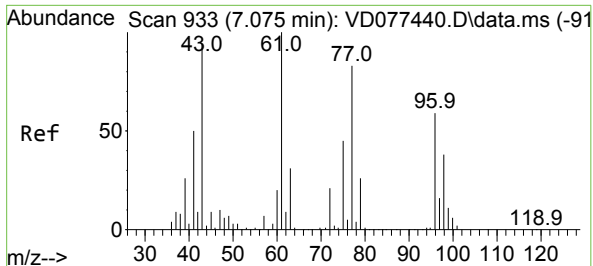
Tgt Ion: 76 Resp: 2575
Ion Ratio Lower Upper
76 100
78 32.9 6.8 10.2#



#25
2-Butanone
Concen: 2.603 ug/l
RT: 7.057 min Scan# 930
Delta R.T. -0.024 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
72 16.2 30.7 46.1#

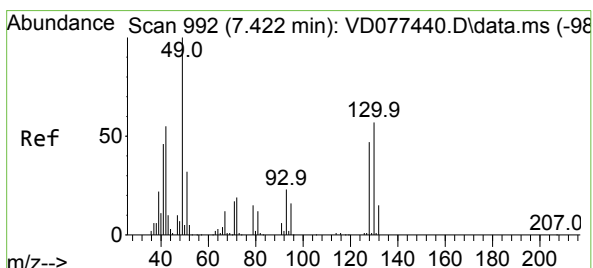
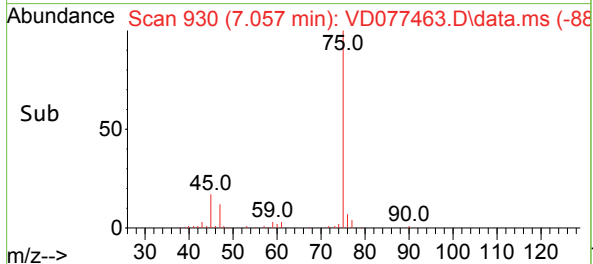
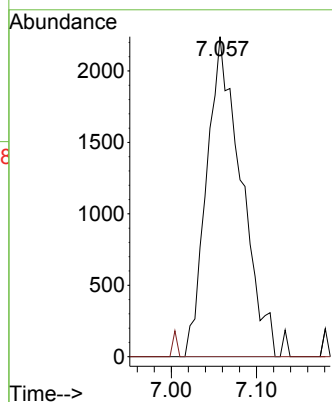
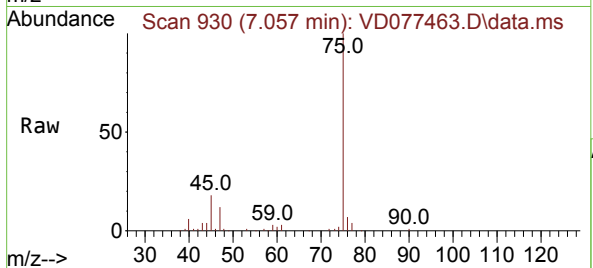




#26
2,2-Dichloropropane
Concen: 1.417 ug/l
RT: 7.057 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

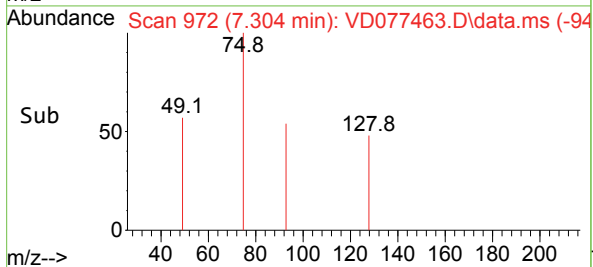
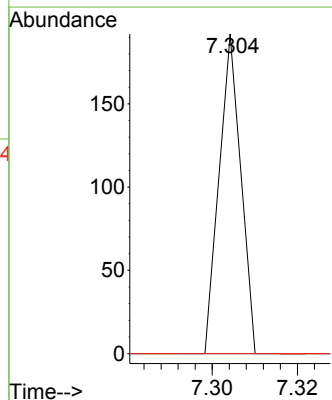
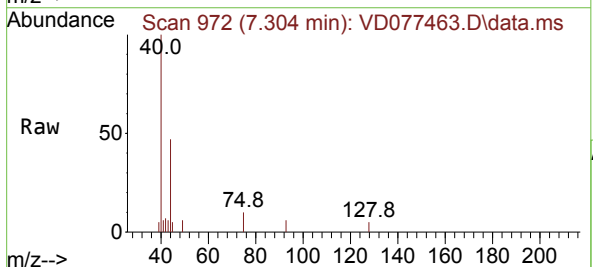
Instrument :
MSVOA_D
ClientSampleId :

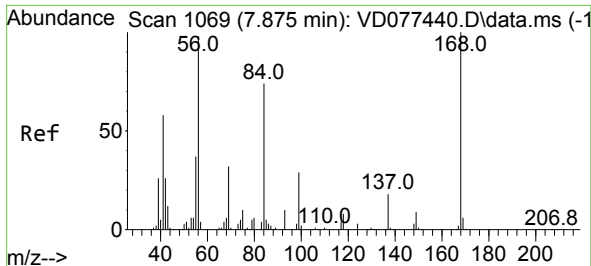
Tgt Ion: 77 Resp: 6315
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 2.134 ug/l
RT: 7.304 min Scan# 972
Delta R.T. -0.118 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

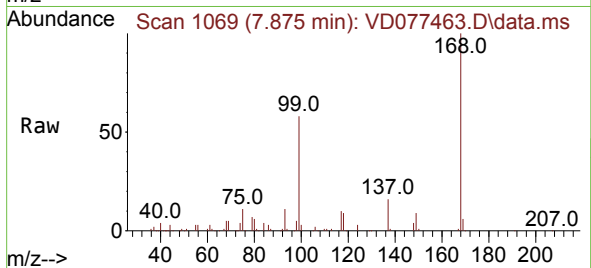
Tgt Ion: 49 Resp: 68
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



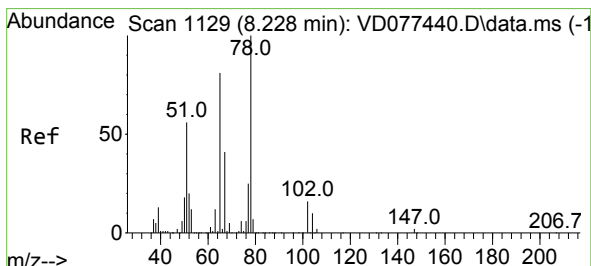
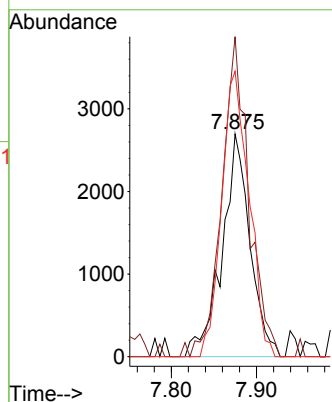
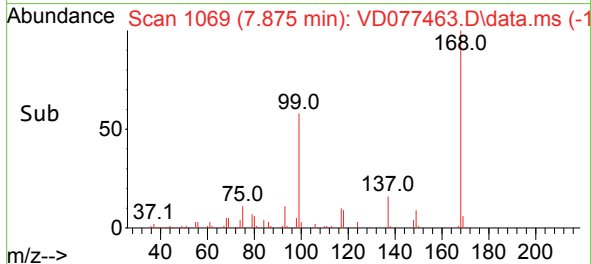


#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Instrument :
MSVOA_D
ClientSampleId :

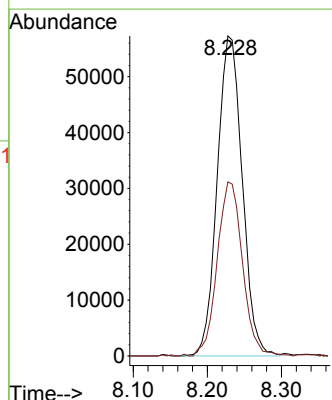
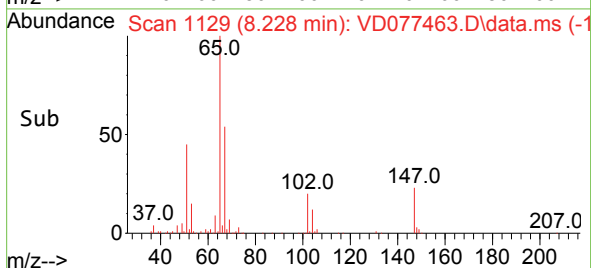
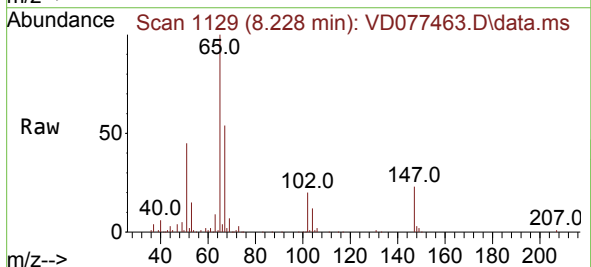


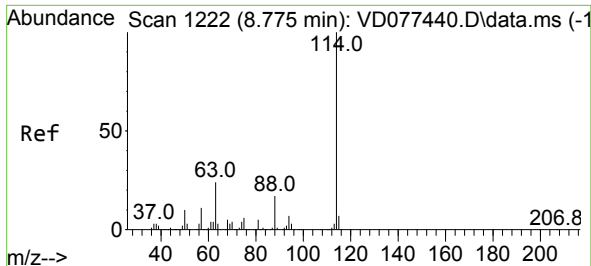
Tgt Ion: 56 Resp: 6155
Ion Ratio Lower Upper
56 100
69 143.7 28.6 43.0#
84 128.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 50.214 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Tgt Ion: 65 Resp: 134319
Ion Ratio Lower Upper
65 100
67 55.0 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: VD077463.D

Acq: 31 Oct 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :

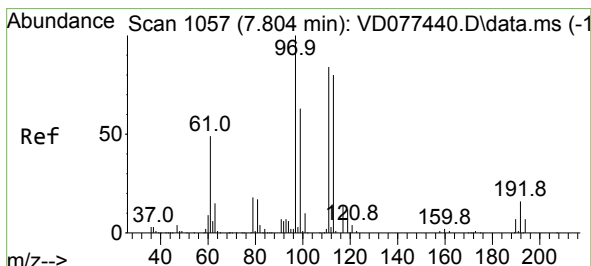
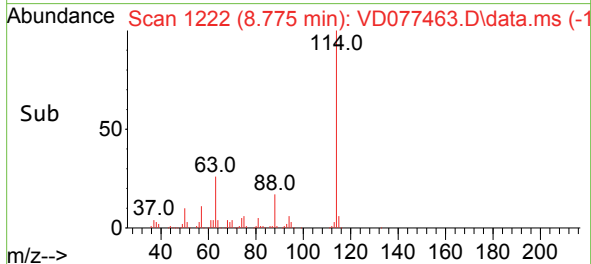
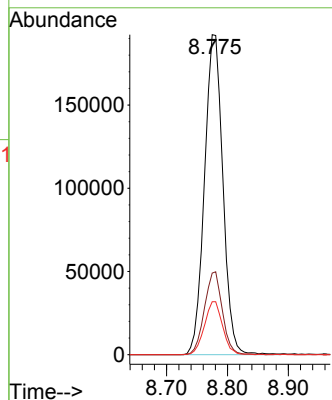
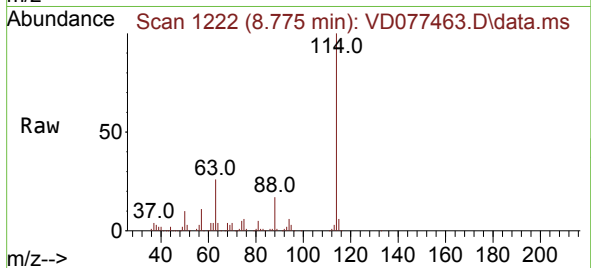
Tgt Ion:114 Resp: 403844

Ion Ratio Lower Upper

114 100

63 25.5 0.0 33.4

88 16.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.420 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

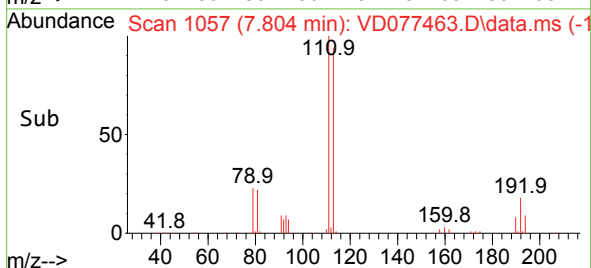
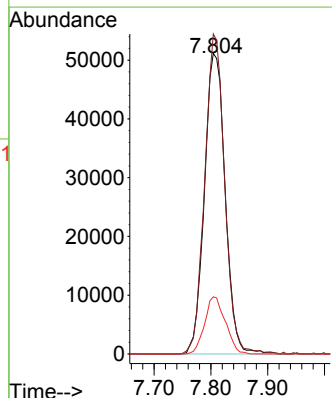
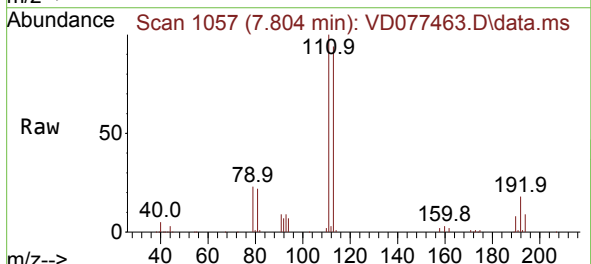
Tgt Ion:113 Resp: 129567

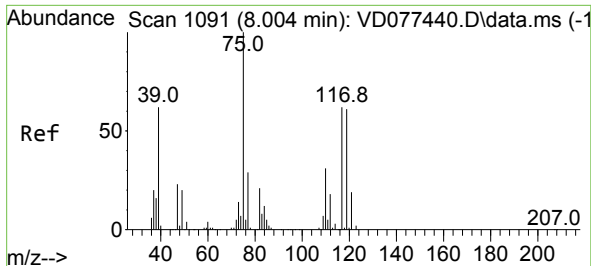
Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.426 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

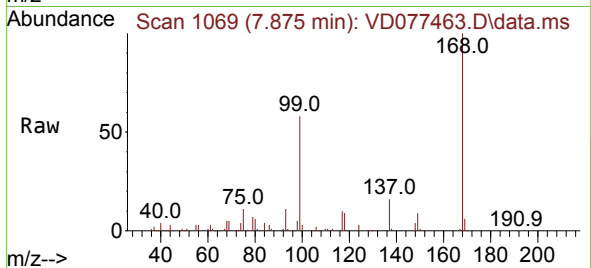
Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :



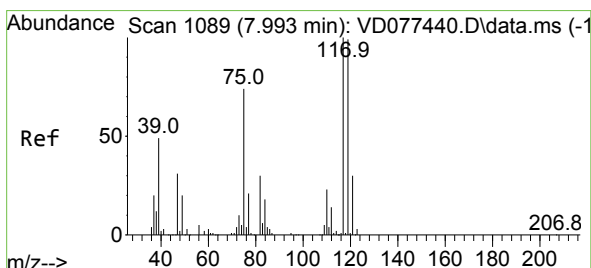
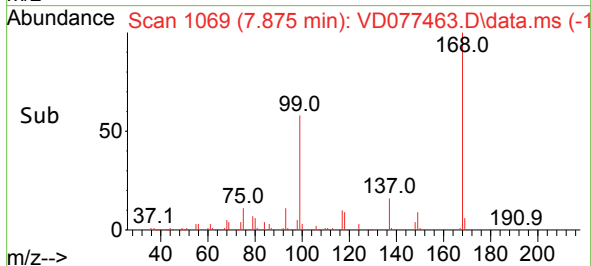
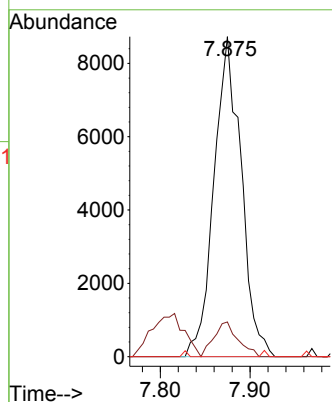
Tgt Ion: 75 Resp: 18315

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.126 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

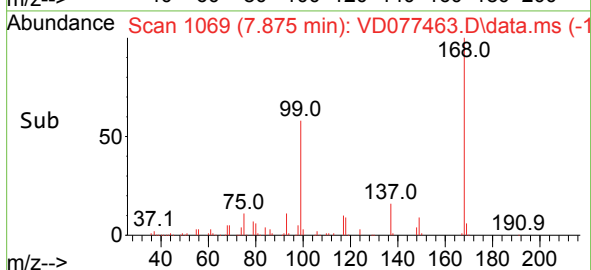
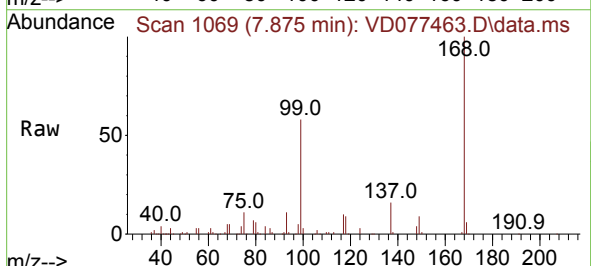
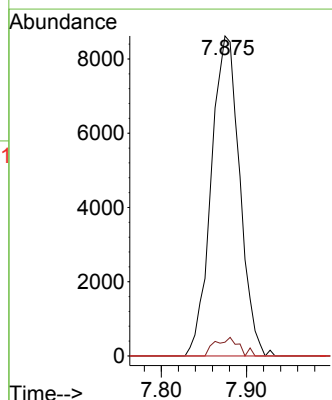
Tgt Ion: 117 Resp: 19989

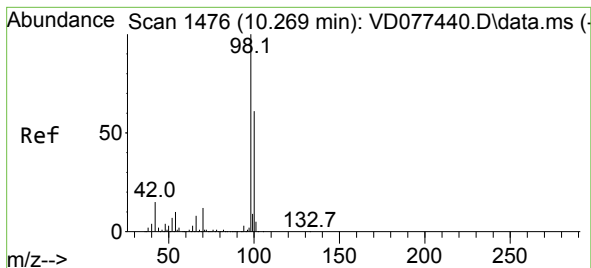
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.2 36.2#

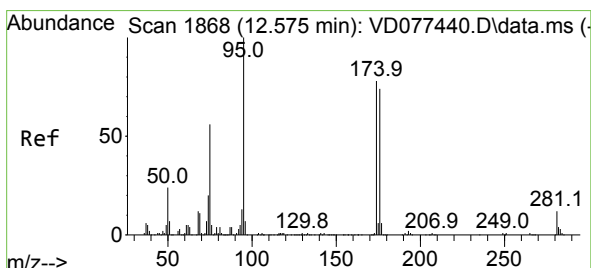
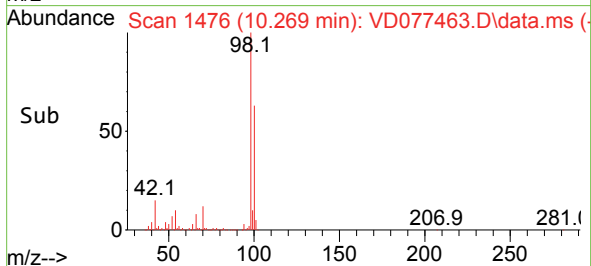
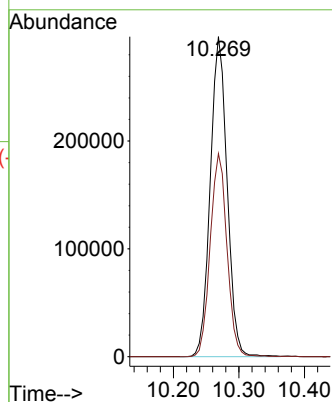
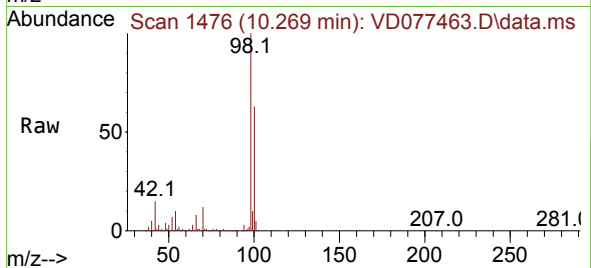




#50
Toluene-d8
Concen: 48.901 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

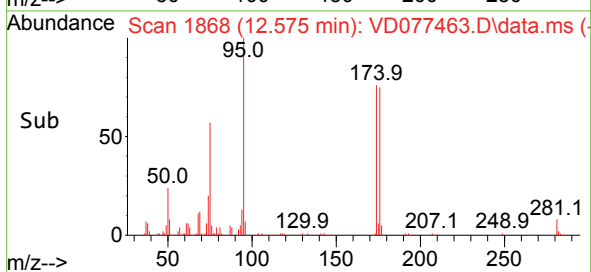
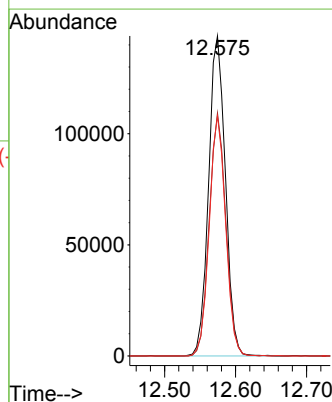
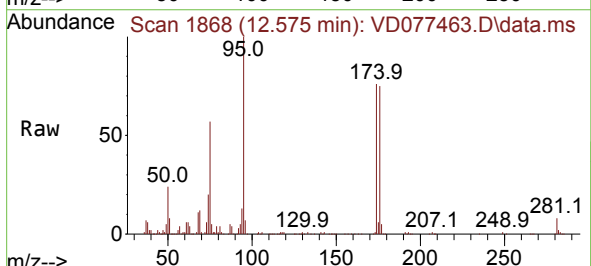
Instrument :
MSVOA_D
ClientSampleId :

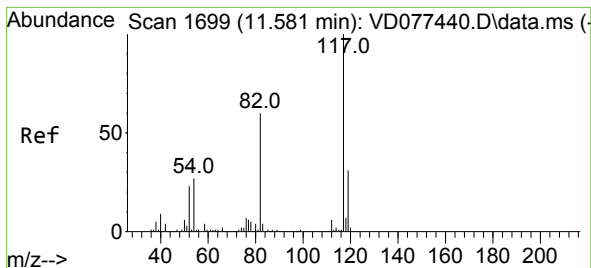
Tgt Ion: 98 Resp: 530173
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 64.647 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Tgt Ion: 95 Resp: 236065
Ion Ratio Lower Upper
95 100
174 75.4 0.0 201.8
176 73.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.580 min Scan# 1

Delta R.T. -0.000 min

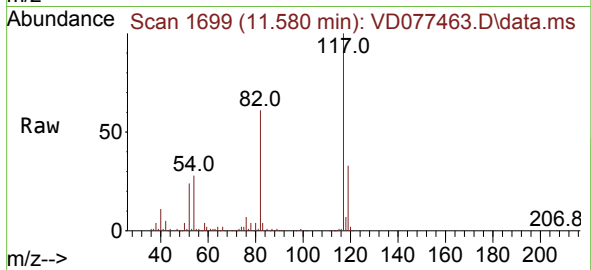
Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :



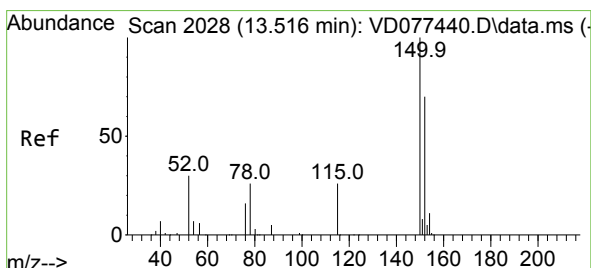
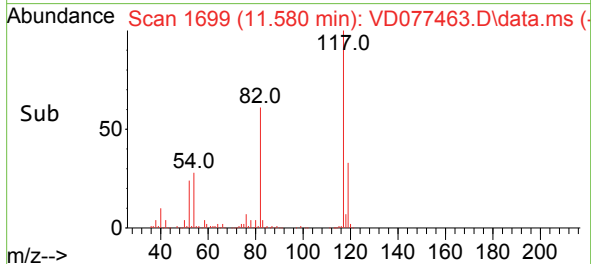
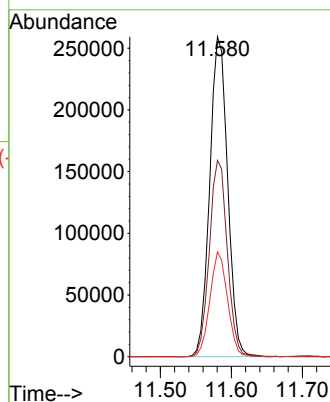
Tgt Ion:117 Resp: 454870

Ion Ratio Lower Upper

117 100

82 61.3 38.3 57.5#

119 32.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD077463.D

Acq: 31 Oct 2023 16:15

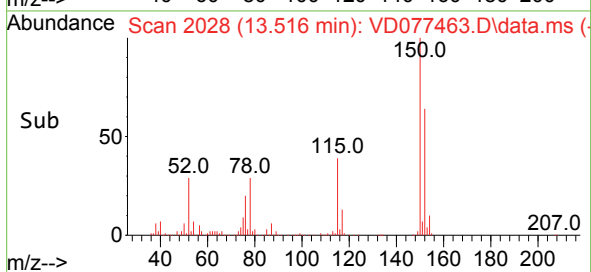
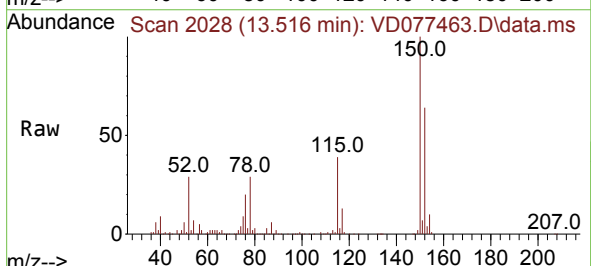
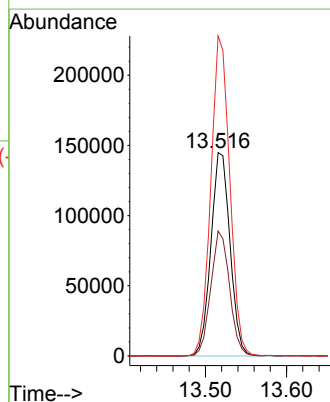
Tgt Ion:152 Resp: 237317

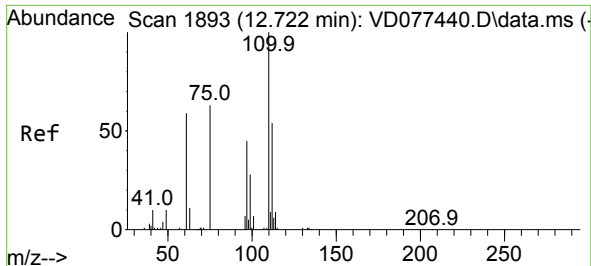
Ion Ratio Lower Upper

152 100

115 60.2 27.1 81.3

150 155.7 0.0 353.6

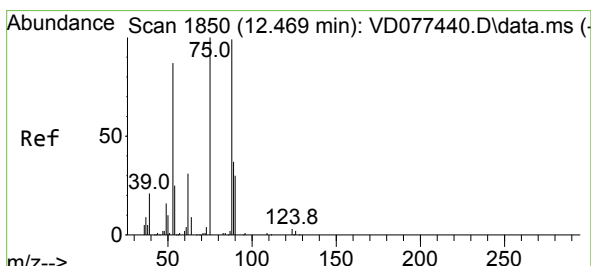
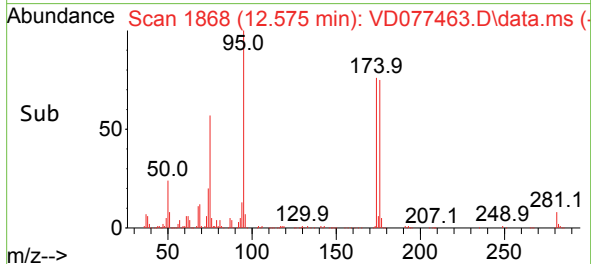
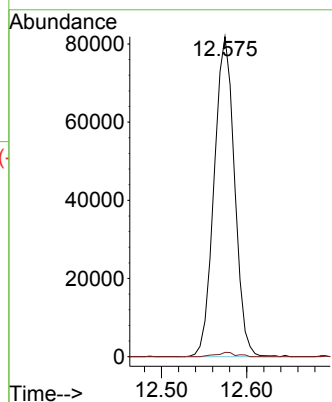
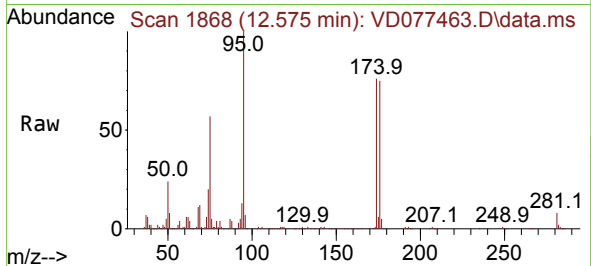




#76
1,2,3-Trichloropropane
Concen: 47.118 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 136095
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.015 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077463.D
Acq: 31 Oct 2023 16:15

Tgt Ion: 75 Resp: 136095
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

