

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077464.D
 Acq On : 31 Oct 2023 16:42
 Operator : JC/SY
 Sample : 05162-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:09:12 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)

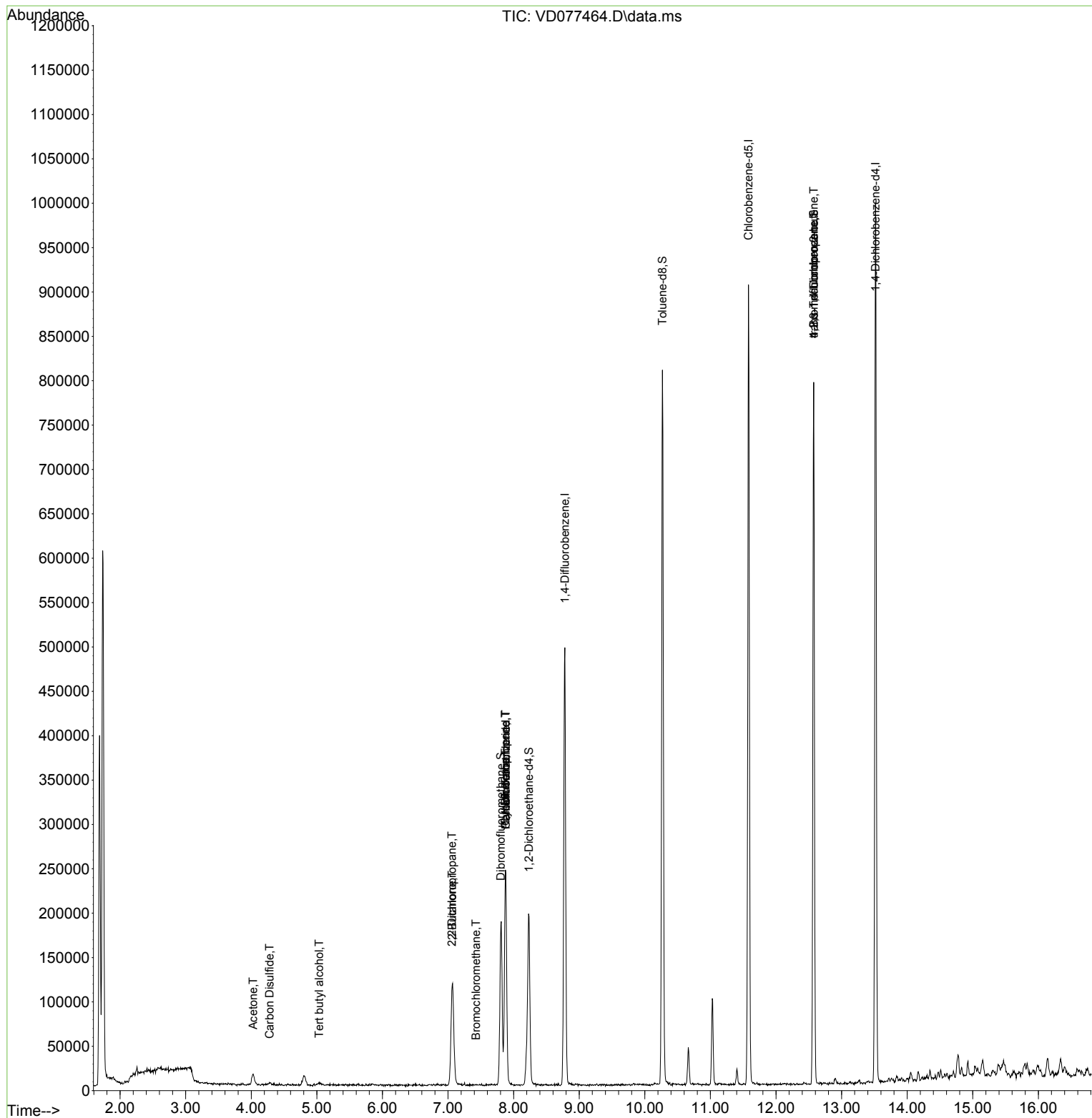
Internal Standards						
1) Pentafluorobenzene	7.881	168	177177	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	399236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	458237	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	241994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	146570	58.502	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	117.000%	
35) Dibromofluoromethane	7.805	113	132446	47.999	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	96.000%	
50) Toluene-d8	10.269	98	535457	49.958	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	99.920%	
62) 4-Bromofluorobenzene	12.575	95	242254	67.108	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	134.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	3681	18.548	ug/l #	81
16) Acetone	4.028	43	21943	33.099	ug/l #	77
17) Carbon Disulfide	4.281	76	1944	4.086	ug/l #	76
25) 2-Butanone	7.063	43	5736	6.487	ug/l #	49
26) 2,2-Dichloropropane	7.058	77	7999	1.917	ug/l #	49
28) Bromochloromethane	7.428	49	82	2.142	ug/l #	1
31) Cyclohexane	7.875	56	5650	1.443	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	18340	4.483	ug/l #	43
38) Carbon Tetrachloride	7.881	117	18615	4.828	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	137449	46.667	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	137449	90.144	ug/l #	17

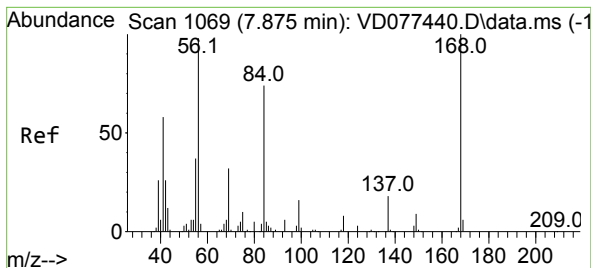
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
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MSVOA_D
ClientSampleId :

Quant Time: Nov 01 06:09:12 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

Instrument :

MSVOA_D

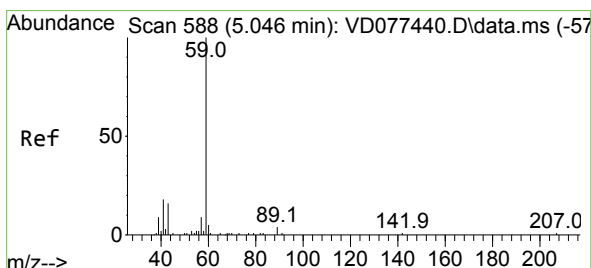
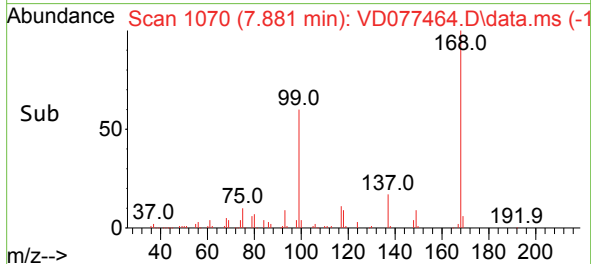
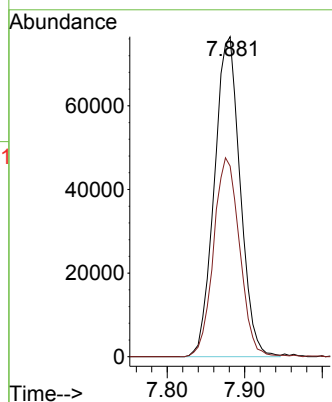
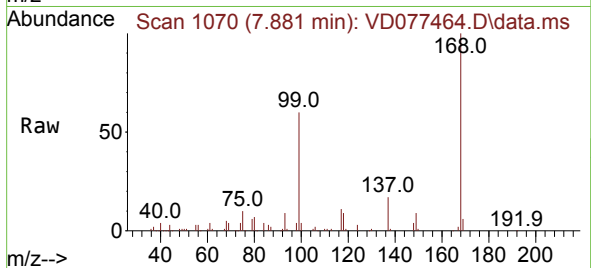
ClientSampleId :

Tgt Ion:168 Resp: 177177

Ion Ratio Lower Upper

168 100

99 59.5 36.7 55.1#



#11

Tert butyl alcohol

Concen: 18.548 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD077464.D

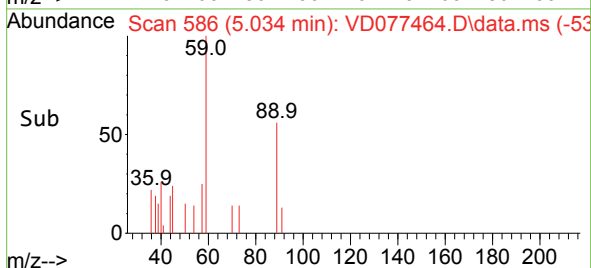
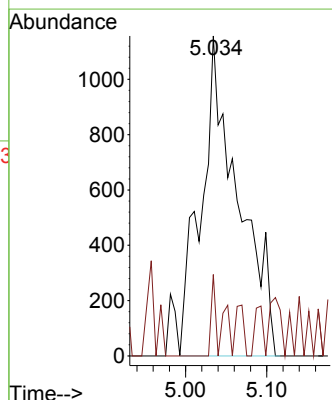
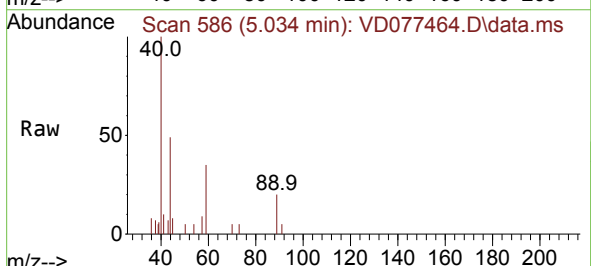
Acq: 31 Oct 2023 16:42

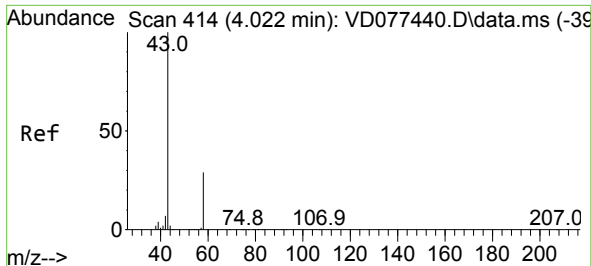
Tgt Ion: 59 Resp: 3681

Ion Ratio Lower Upper

59 100

57 2.8 7.8 11.8#

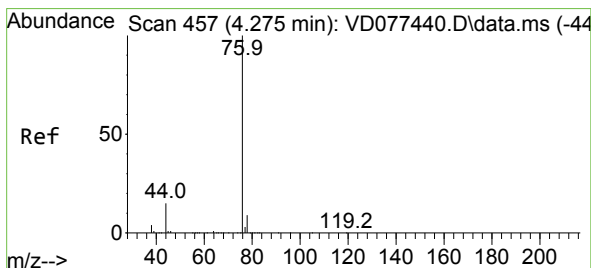
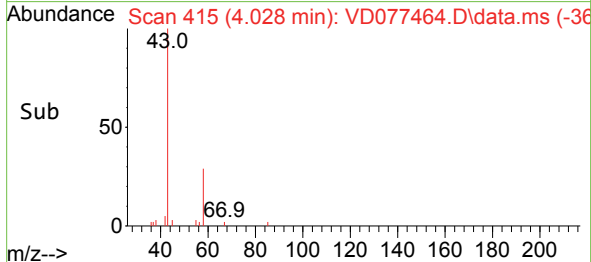
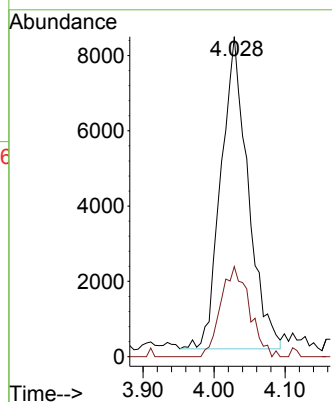
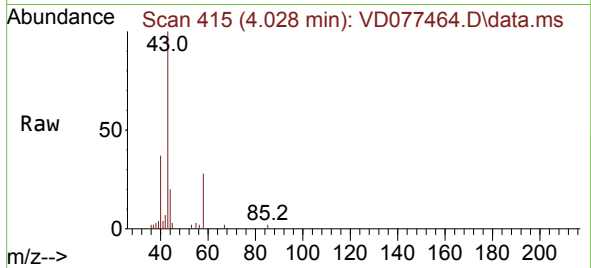




#16
Acetone
Concen: 33.099 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

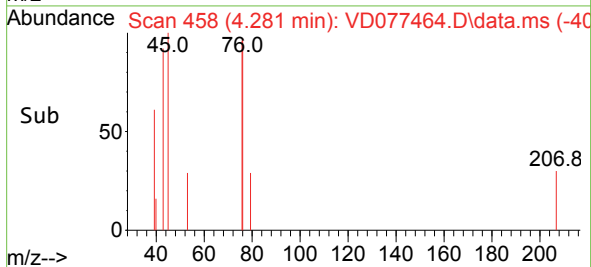
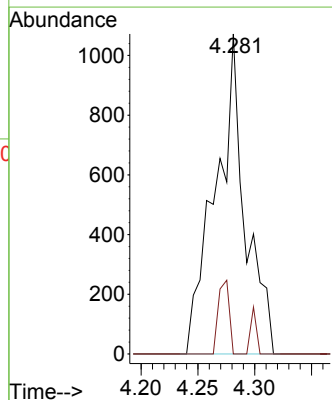
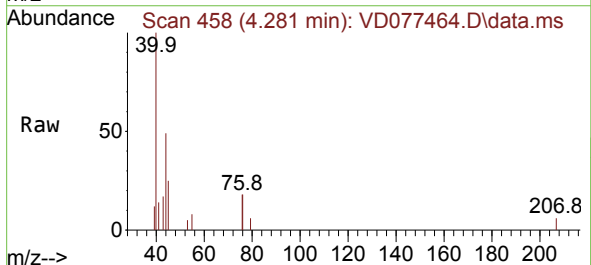
Instrument :
MSVOA_D
ClientSampleId :

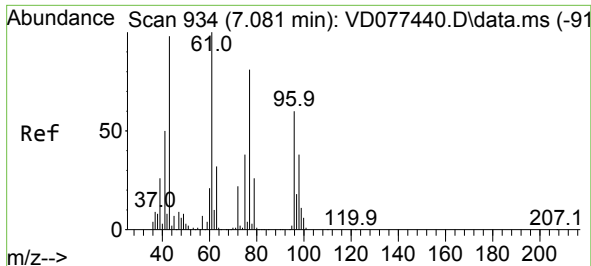
Tgt Ion: 43 Resp: 21943
Ion Ratio Lower Upper
43 100
58 28.9 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.086 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

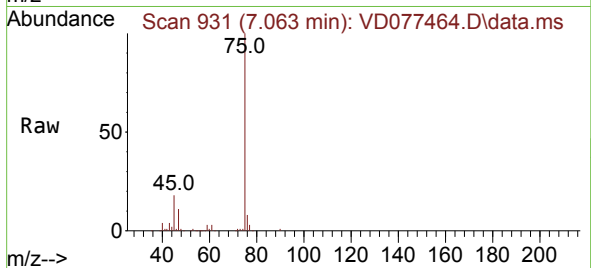
Tgt Ion: 76 Resp: 1944
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



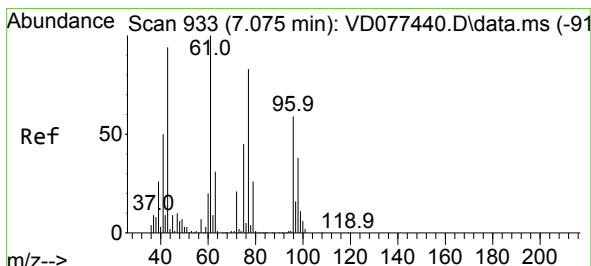
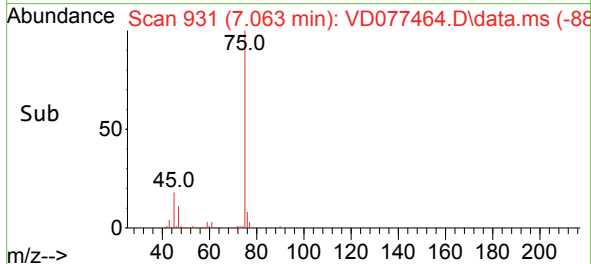
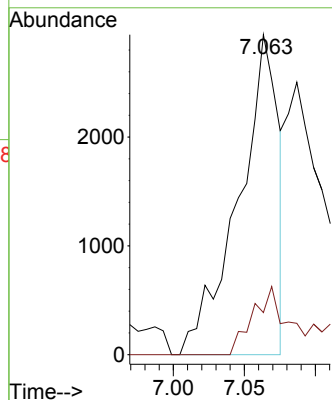


#25
2-Butanone
Concen: 6.487 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

Instrument :
MSVOA_D
ClientSampleId :

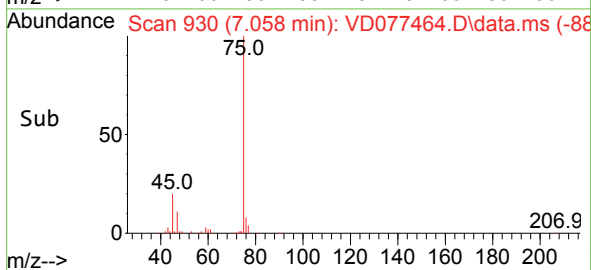
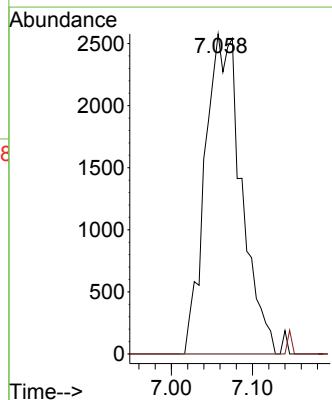
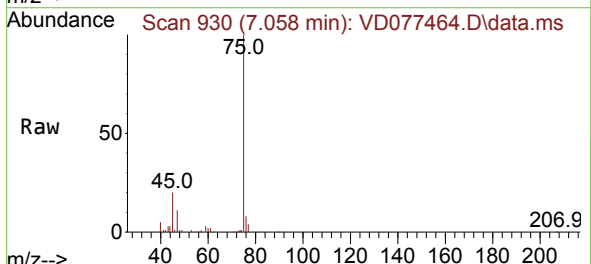


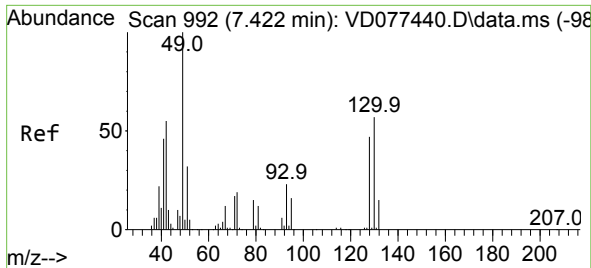
Tgt Ion: 43 Resp: 5736
Ion Ratio Lower Upper
43 100
72 7.4 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.917 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.018 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

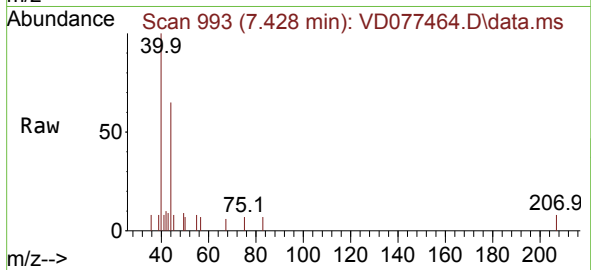
Tgt Ion: 77 Resp: 7999
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



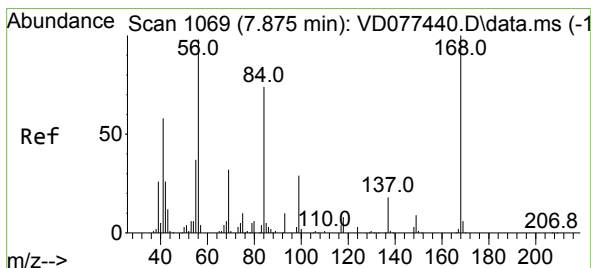
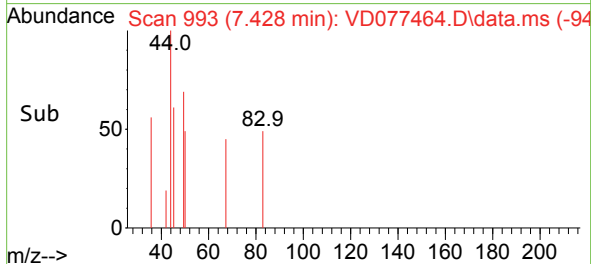
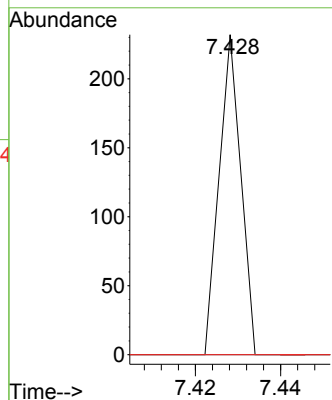


#28
Bromochloromethane
Concen: 2.142 ug/l
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

Instrument :
MSVOA_D
ClientSampleId :

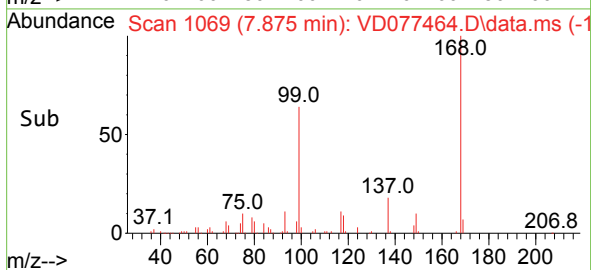
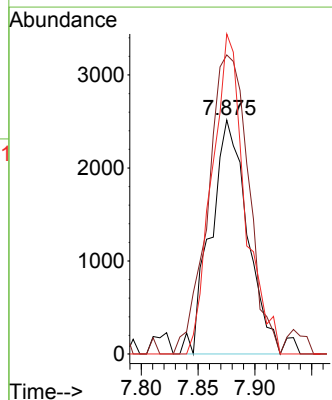
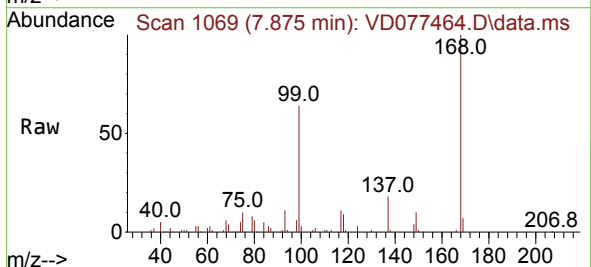


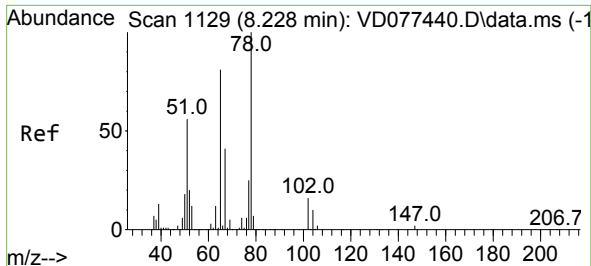
Tgt Ion: 49 Resp: 82
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

Tgt Ion: 56 Resp: 5650
Ion Ratio Lower Upper
56 100
69 127.9 28.6 43.0#
84 136.8 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 58.502 ug/l

RT: 8.234 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

Instrument :

MSVOA_D

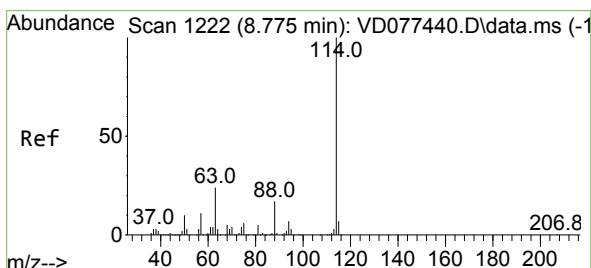
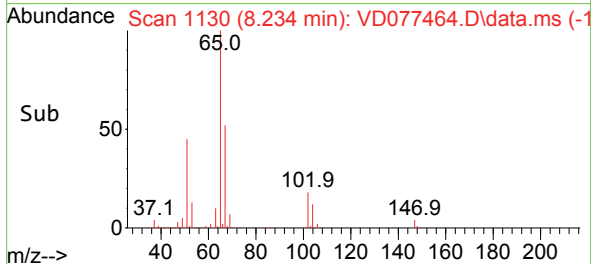
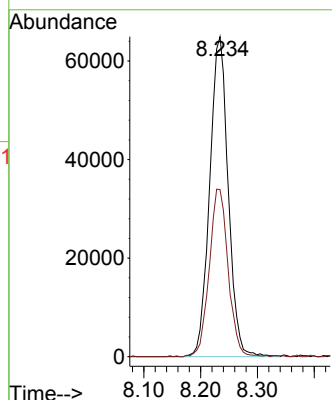
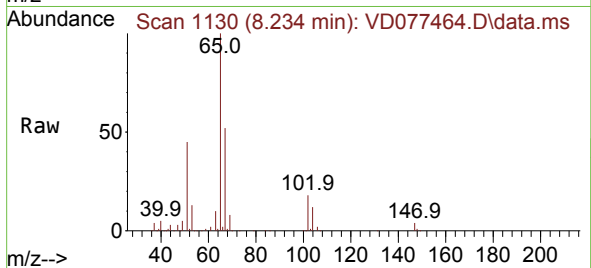
ClientSampleId :

Tgt Ion: 65 Resp: 146570

Ion Ratio Lower Upper

65 100

67 53.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

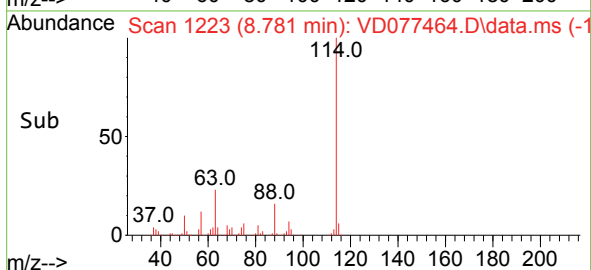
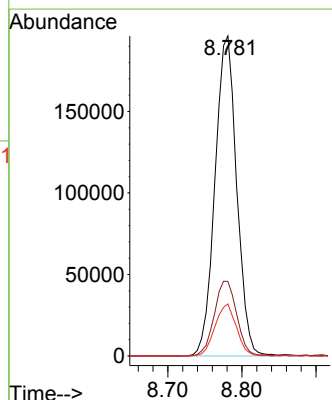
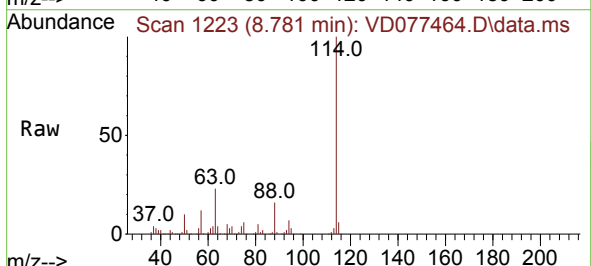
Tgt Ion:114 Resp: 399236

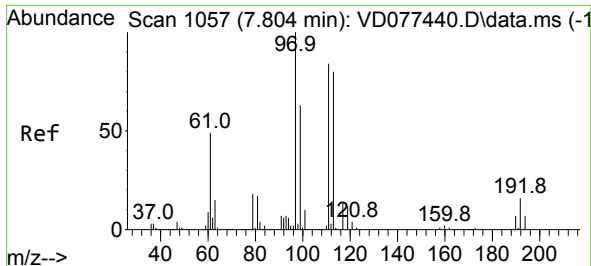
Ion Ratio Lower Upper

114 100

63 23.3 0.0 33.4

88 16.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.999 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

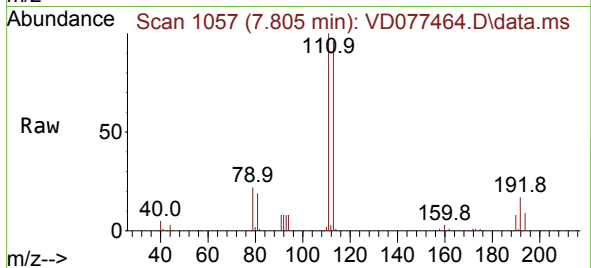
Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

Instrument :

MSVOA_D

ClientSampleId :



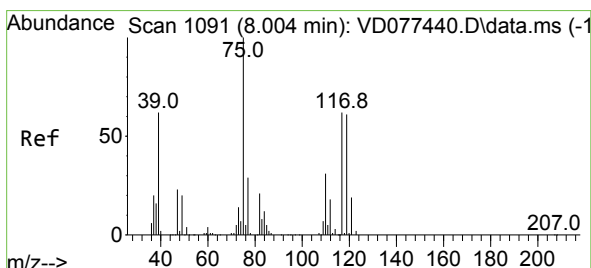
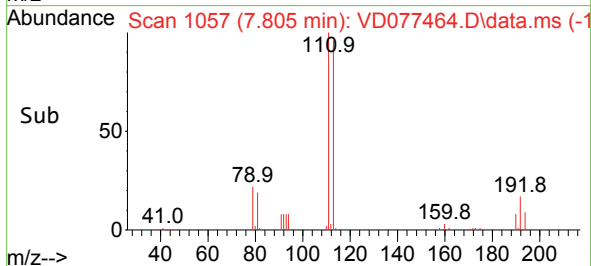
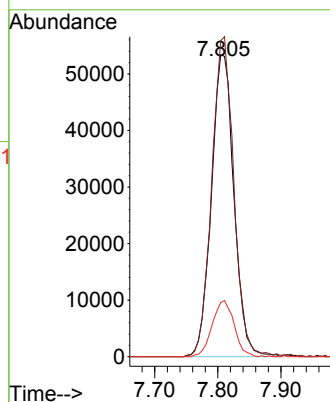
Tgt Ion:113 Resp: 132446

Ion Ratio Lower Upper

113 100

111 104.0 84.7 127.1

192 18.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.483 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

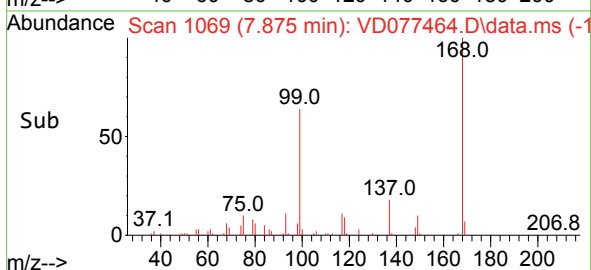
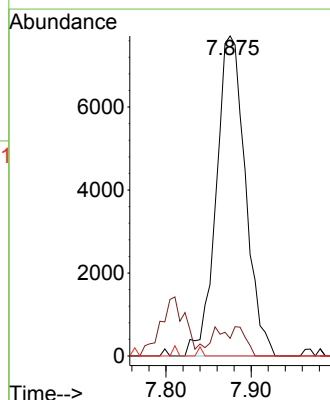
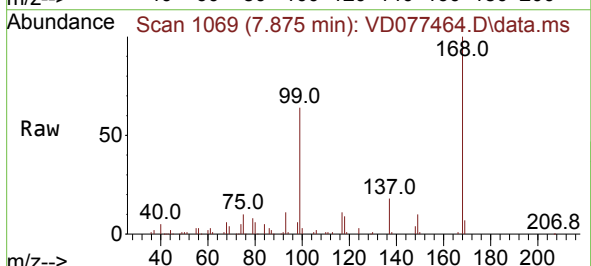
Tgt Ion: 75 Resp: 18340

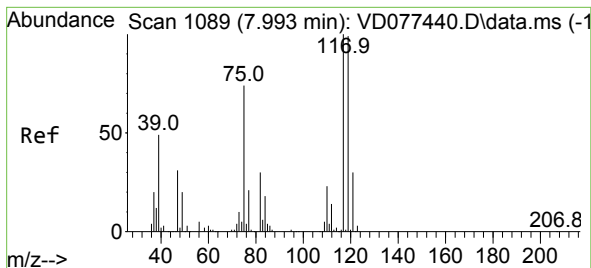
Ion Ratio Lower Upper

75 100

110 4.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.828 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

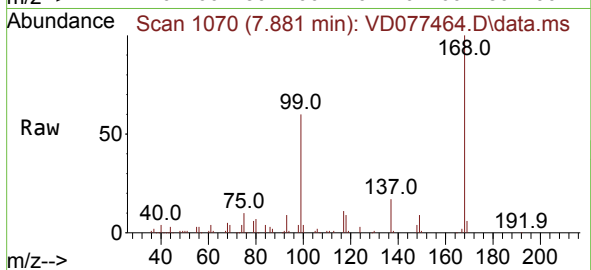
Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

Instrument :

MSVOA_D

ClientSampleId :



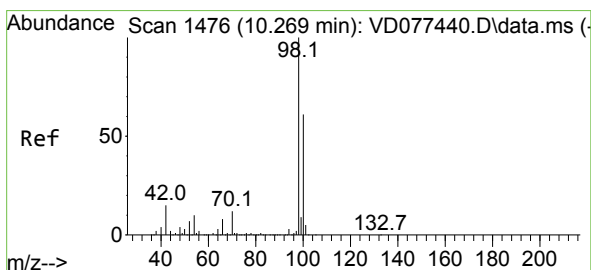
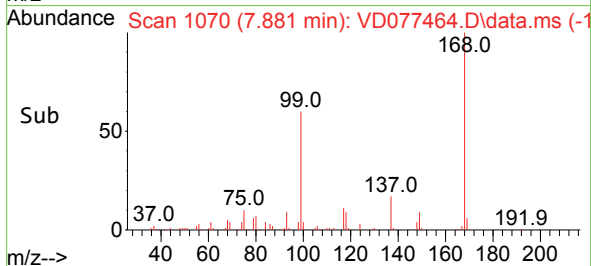
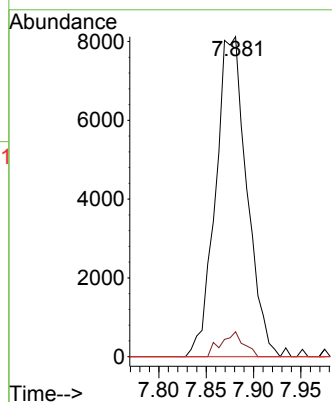
Tgt Ion:117 Resp: 18615

Ion Ratio Lower Upper

117 100

119 7.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.958 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077464.D

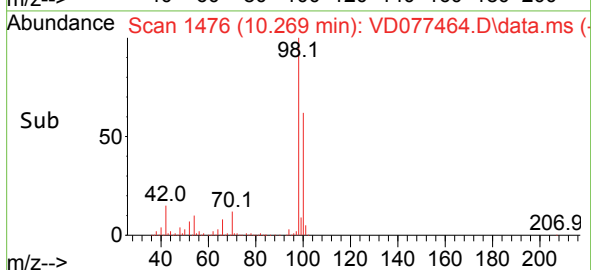
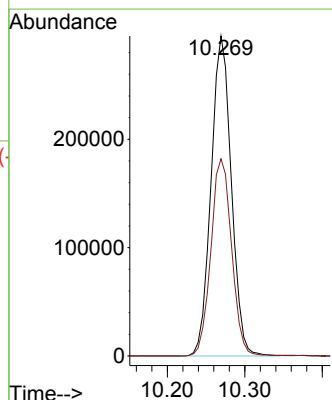
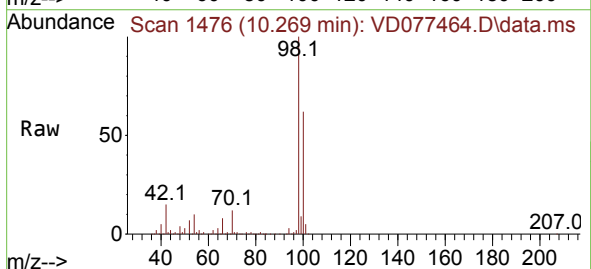
Acq: 31 Oct 2023 16:42

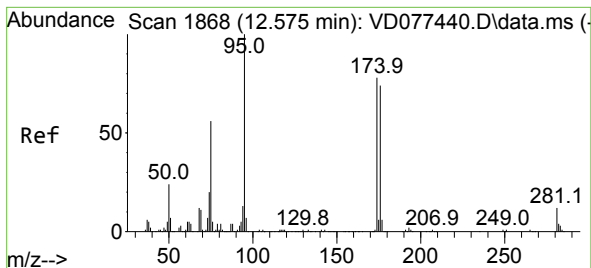
Tgt Ion: 98 Resp: 535457

Ion Ratio Lower Upper

98 100

100 63.1 50.3 75.5

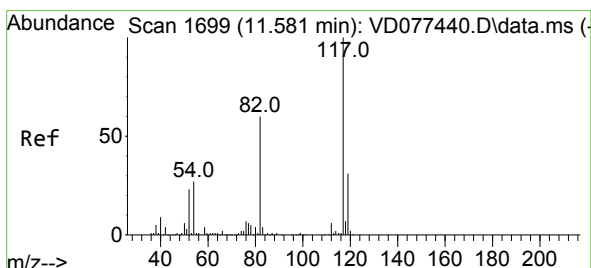
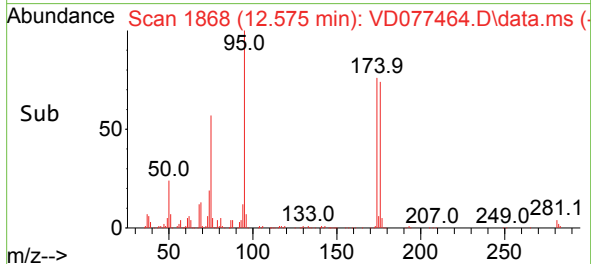
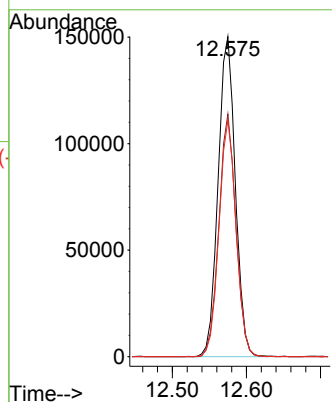
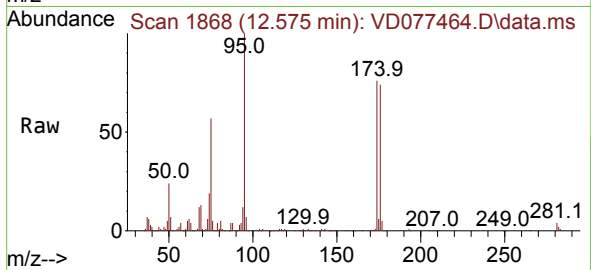




#62
4-Bromofluorobenzene
Concen: 67.108 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

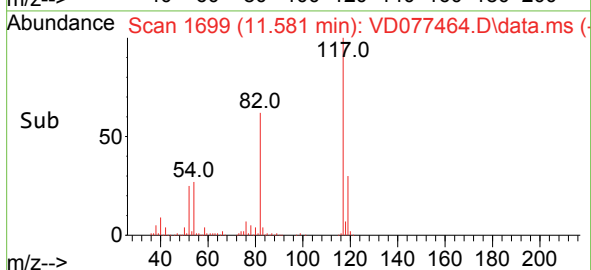
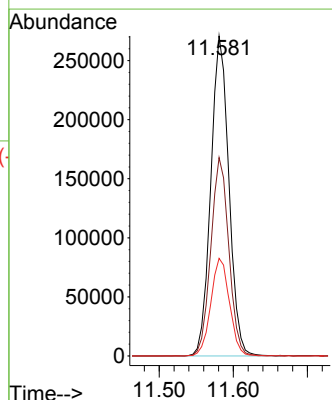
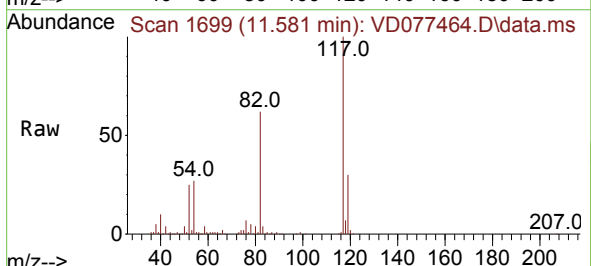
Instrument :
MSVOA_D
ClientSampleId :

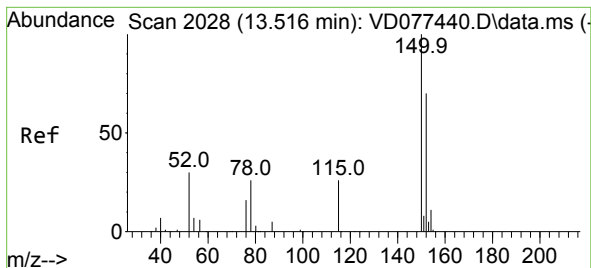
Tgt Ion: 95 Resp: 242254
Ion Ratio Lower Upper
95 100
174 75.0 0.0 201.8
176 73.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077464.D
Acq: 31 Oct 2023 16:42

Tgt Ion: 117 Resp: 458237
Ion Ratio Lower Upper
117 100
82 62.0 38.3 57.5#
119 30.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

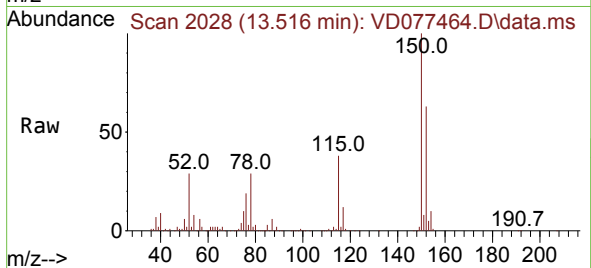
Lab File: VD077464.D

Acq: 31 Oct 2023 16:42

Instrument :

MSVOA_D

ClientSampleId :



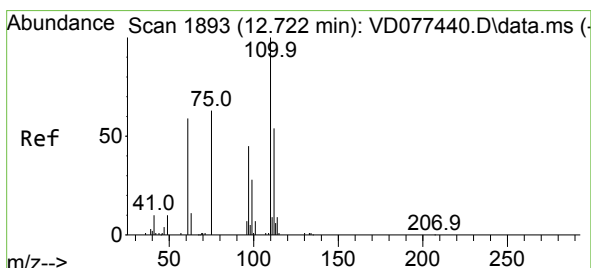
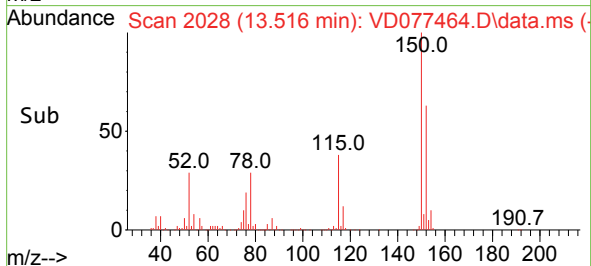
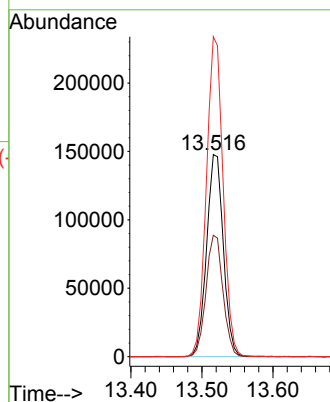
Tgt Ion:152 Resp: 241994

Ion Ratio Lower Upper

152 100

115 61.0 27.1 81.3

150 157.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.667 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077464.D

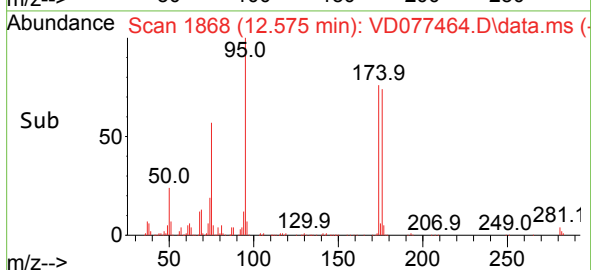
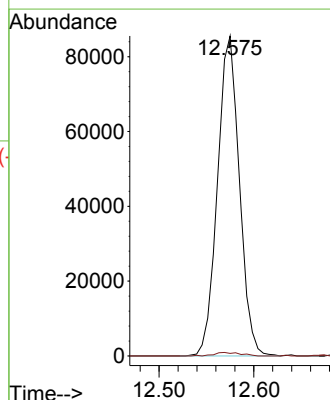
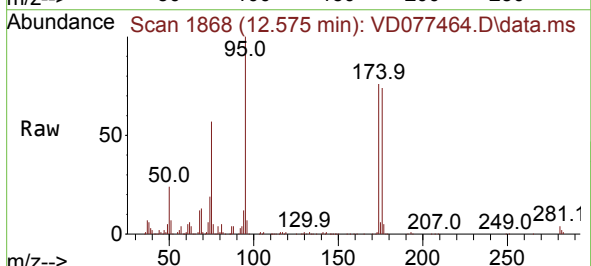
Acq: 31 Oct 2023 16:42

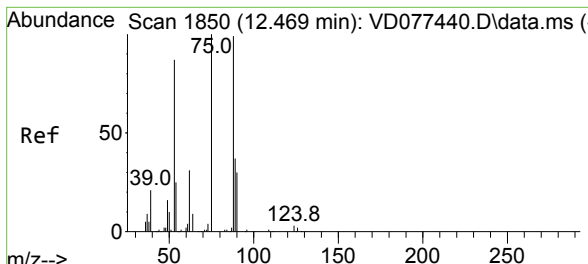
Tgt Ion: 75 Resp: 137449

Ion Ratio Lower Upper

75 100

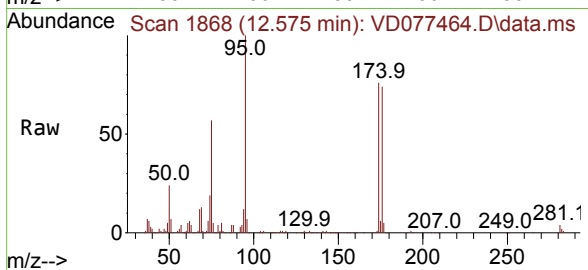
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.144 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077464.D
 Acq: 31 Oct 2023 16:42

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	137449
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.3	37.9	56.9#

