

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077396.D
 Acq On : 24 Oct 2023 15:54
 Operator : JC/SY
 Sample : 05012-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:06:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

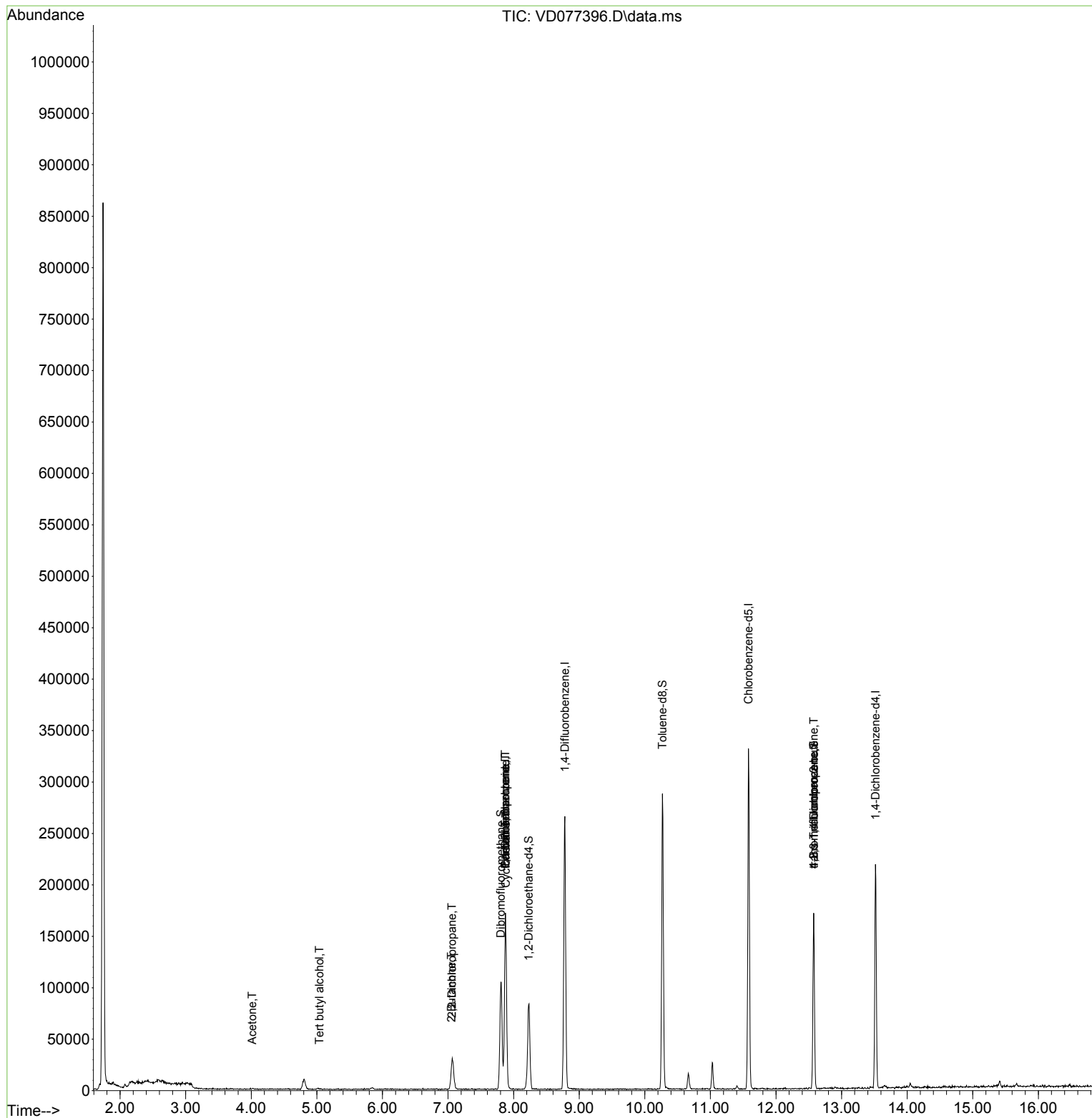
Internal Standards						
1) Pentafluorobenzene	7.875	168	132060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	252108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64386	54.601	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.200%
35) Dibromofluoromethane	7.805	113	77919	43.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.980%
50) Toluene-d8	10.269	98	208180	32.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	65.640%
62) 4-Bromofluorobenzene	12.575	95	47705	26.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	52.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	225	3.392	ug/l #	73
16) Acetone	4.017	43	836	3.233	ug/l #	32
25) 2-Butanone	7.052	43	466	1.737	ug/l #	37
26) 2,2-Dichloropropane	7.058	77	2485	1.157	ug/l #	49
31) Cyclohexane	7.881	56	2144	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10205	4.385	ug/l #	48
38) Carbon Tetrachloride	7.875	117	13481	5.207	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	23531	29.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	23531	101.614	ug/l #	17

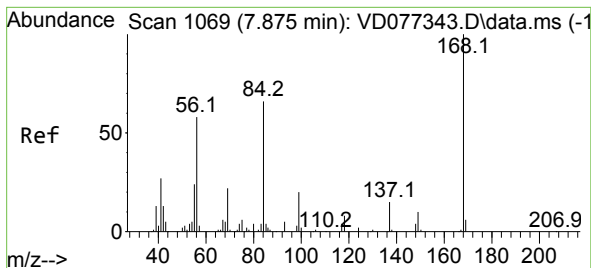
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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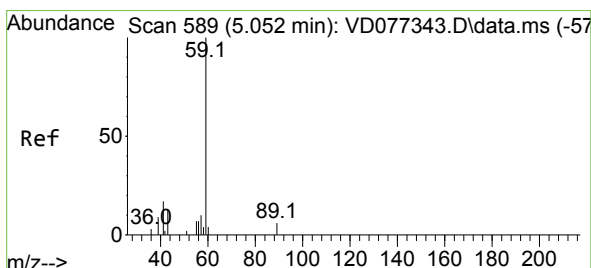
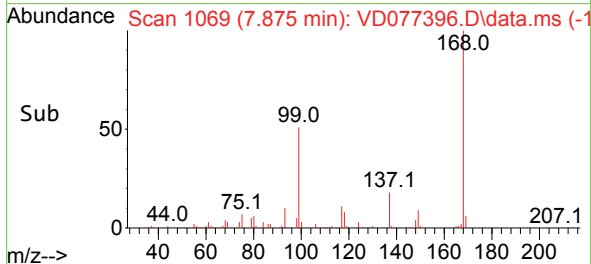
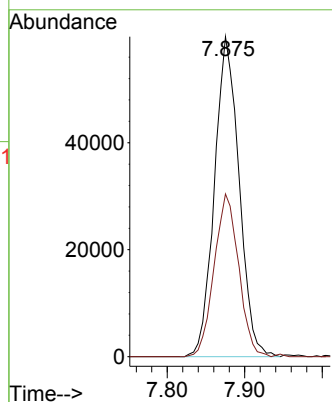
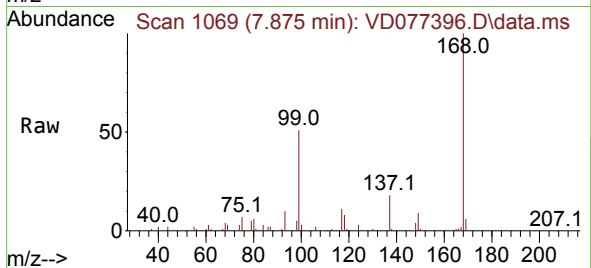




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

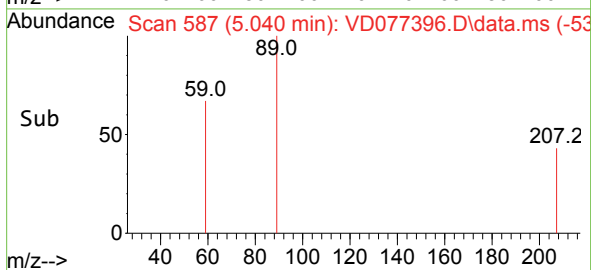
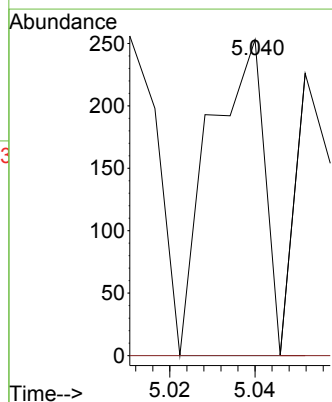
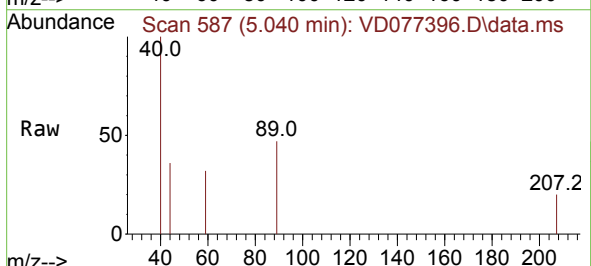
Instrument :
MSVOA_D
ClientSampleId :

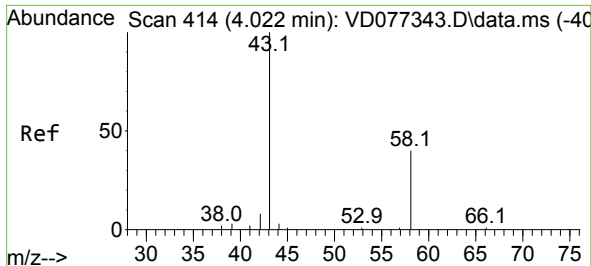
Tgt Ion:168 Resp: 132060
Ion Ratio Lower Upper
168 100
99 50.9 36.7 55.1



#11
Tert butyl alcohol
Concen: 3.392 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.012 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

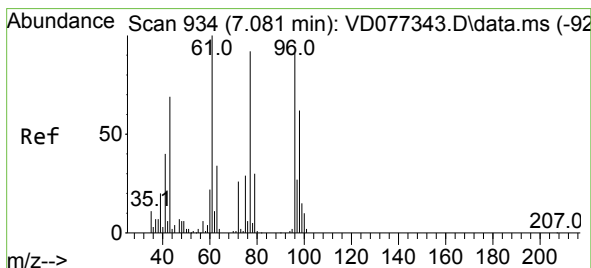
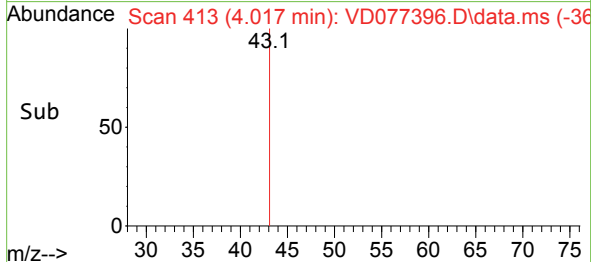
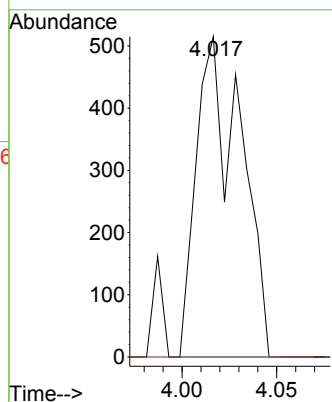
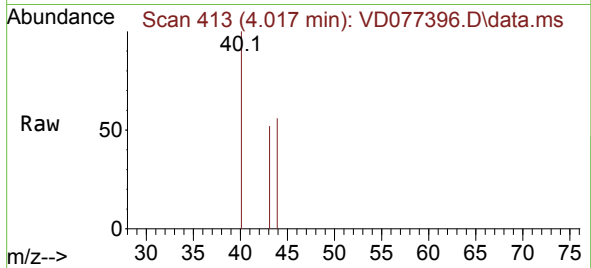




#16
Acetone
Concen: 3.233 ug/l
RT: 4.017 min Scan# 414
Delta R.T. -0.005 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

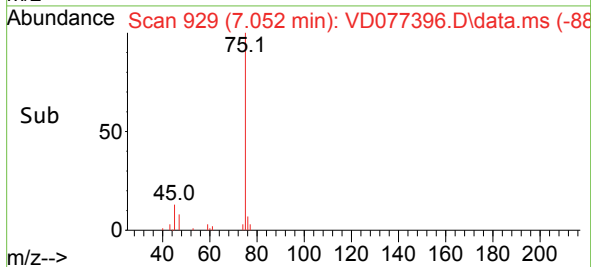
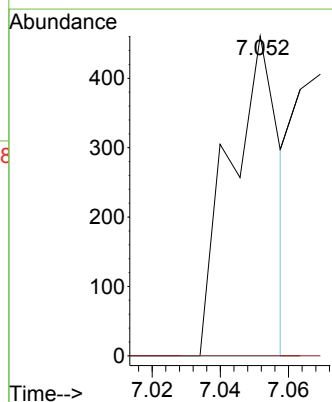
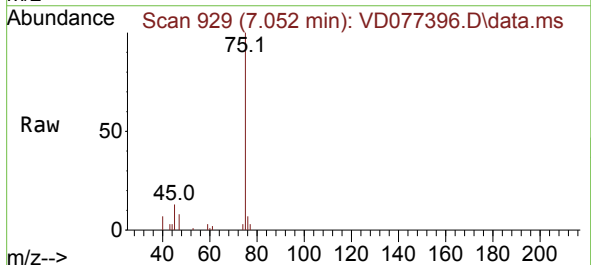
Instrument :
MSVOA_D
ClientSampleId :

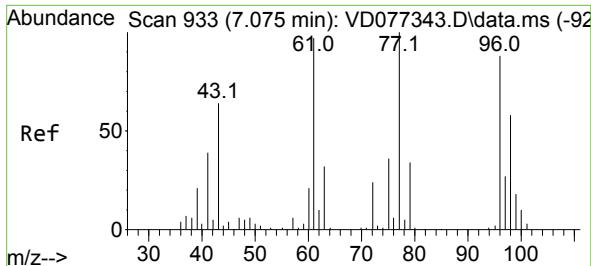
Tgt Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: 1.737 ug/l
RT: 7.052 min Scan# 929
Delta R.T. -0.029 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

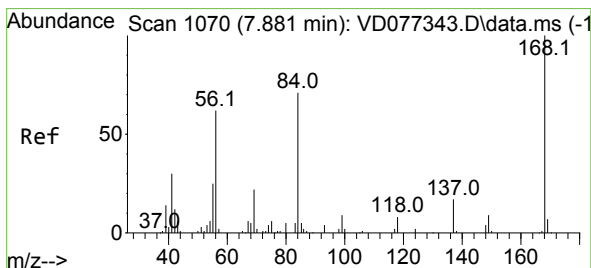
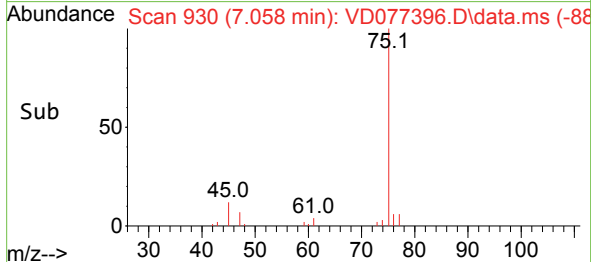
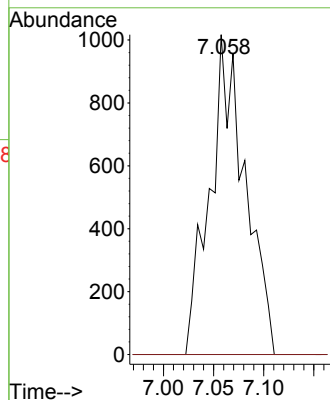
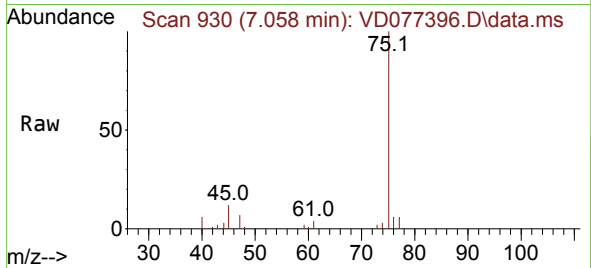




#26
2,2-Dichloropropane
Concen: 1.157 ug/l
RT: 7.058 min Scan# 91
Delta R.T. -0.017 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

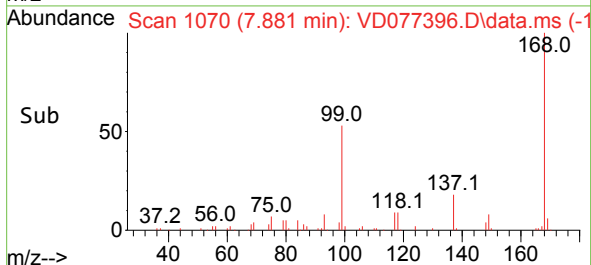
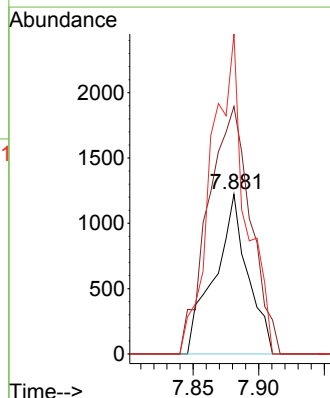
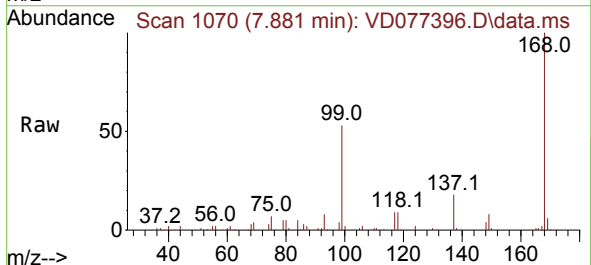
Instrument :
MSVOA_D
ClientSampleId :

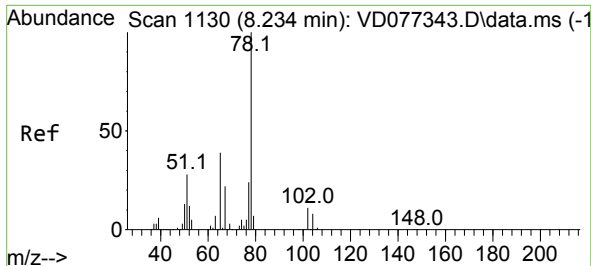
Tgt Ion: 77 Resp: 2485
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

Tgt Ion: 56 Resp: 2144
Ion Ratio Lower Upper
56 100
69 155.1 28.6 43.0#
84 217.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 54.601 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077396.D

Acq: 24 Oct 2023 15:54

Instrument :

MSVOA_D

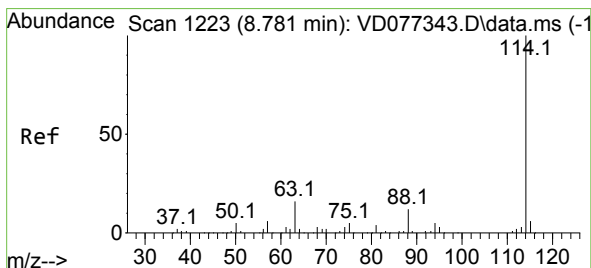
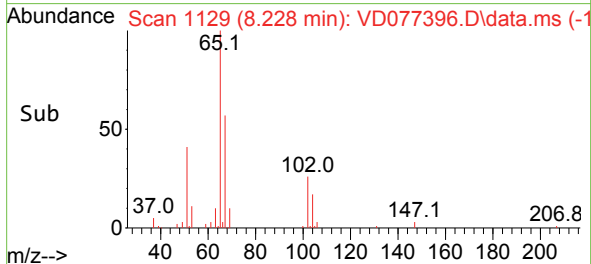
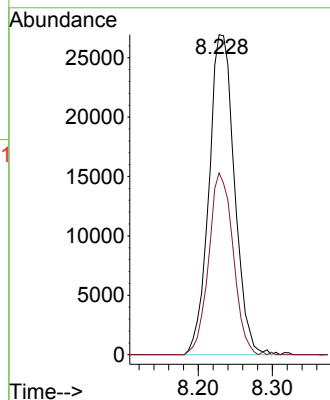
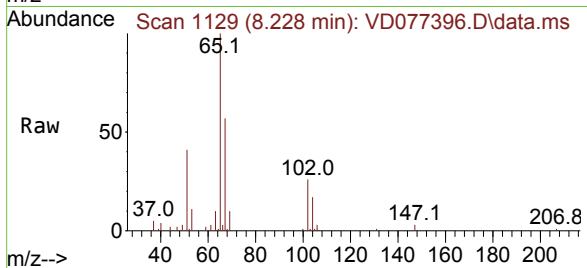
ClientSampleId :

Tgt Ion: 65 Resp: 64386

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD077396.D

Acq: 24 Oct 2023 15:54

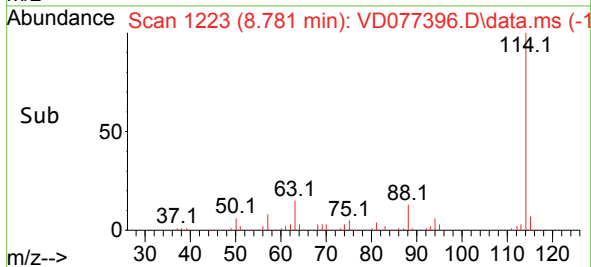
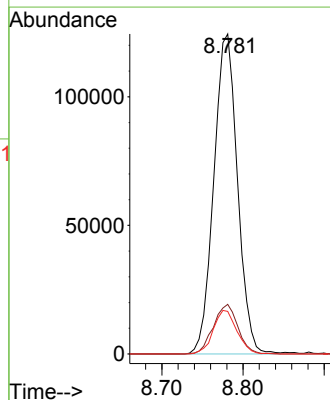
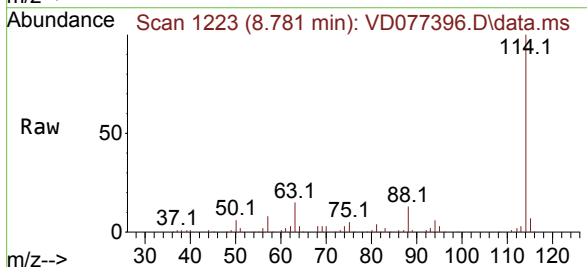
Tgt Ion: 114 Resp: 252108

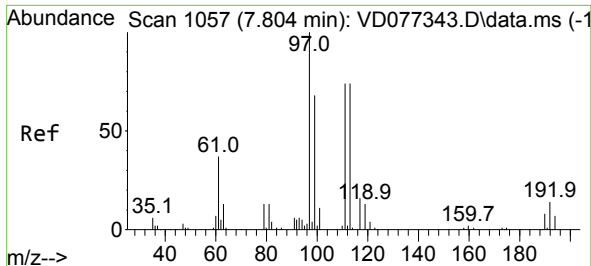
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.993 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. 0.001 min

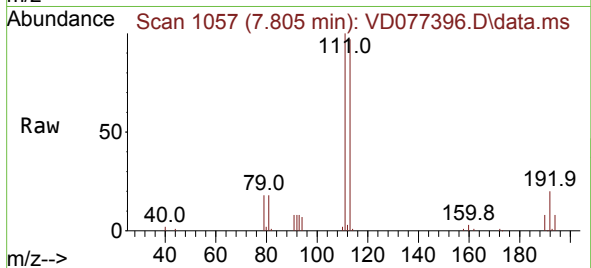
Lab File: VD077396.D

Acq: 24 Oct 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :



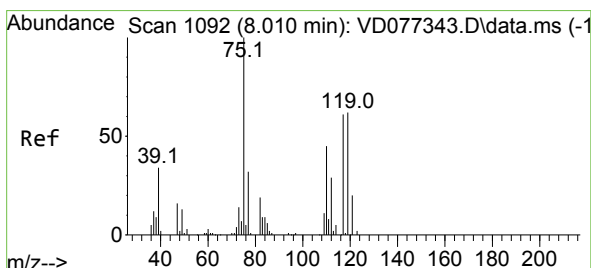
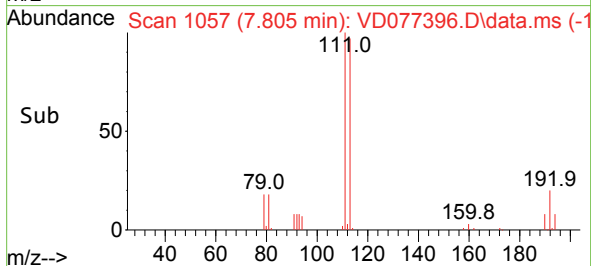
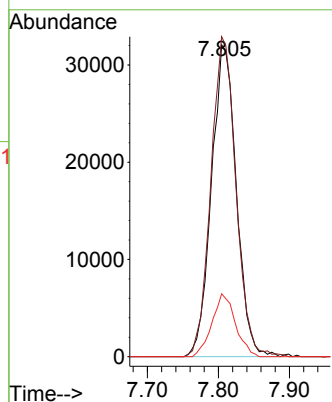
Tgt Ion:113 Resp: 77919

Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 19.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.385 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077396.D

Acq: 24 Oct 2023 15:54

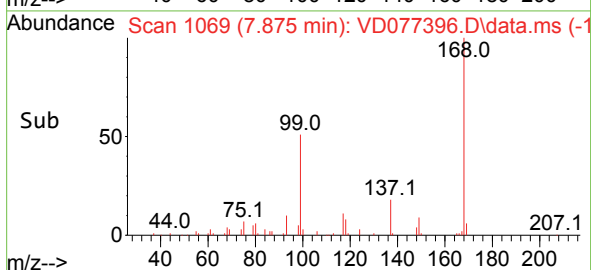
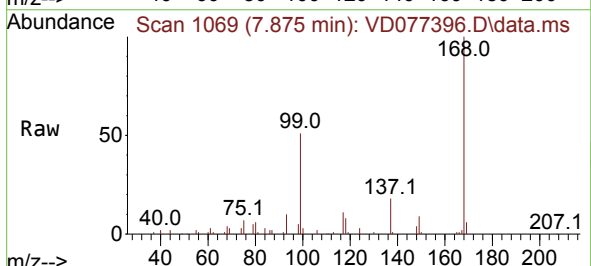
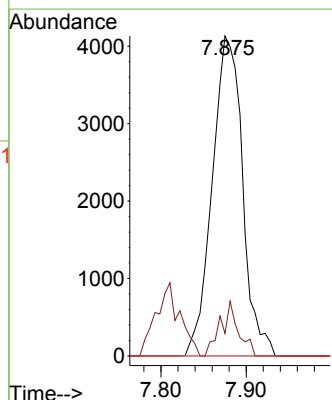
Tgt Ion: 75 Resp: 10205

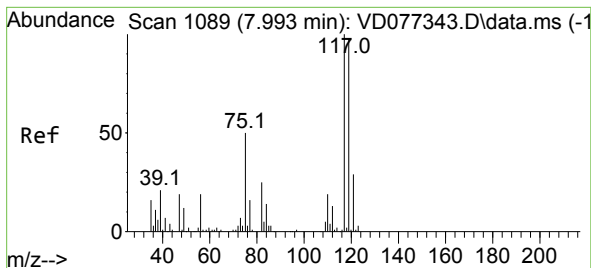
Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.207 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

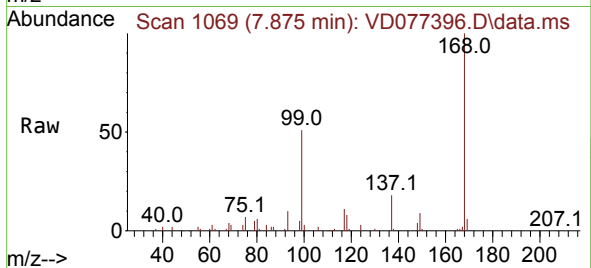
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Acq: 24 Oct 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :



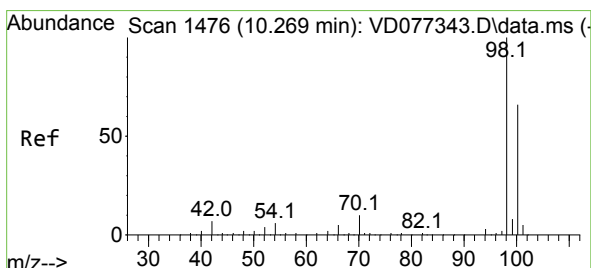
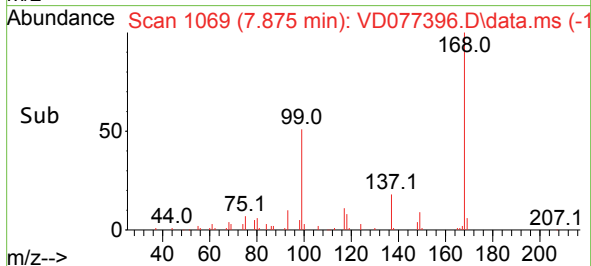
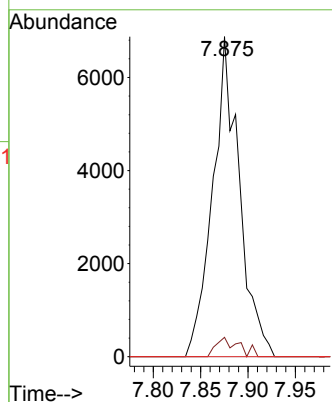
Tgt Ion:117 Resp: 13481

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 32.820 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077396.D

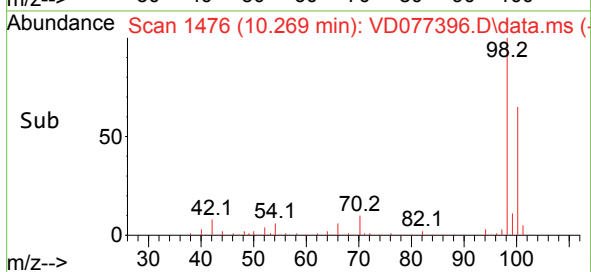
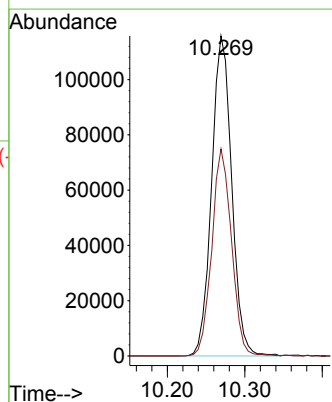
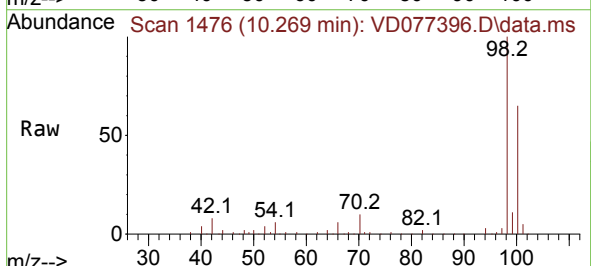
Acq: 24 Oct 2023 15:54

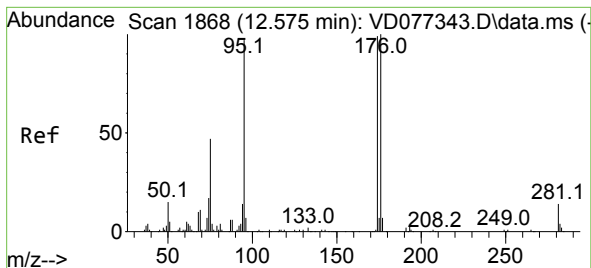
Tgt Ion: 98 Resp: 208180

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

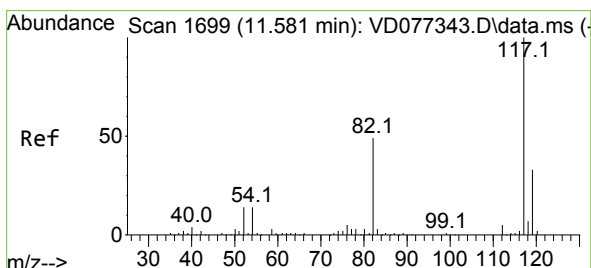
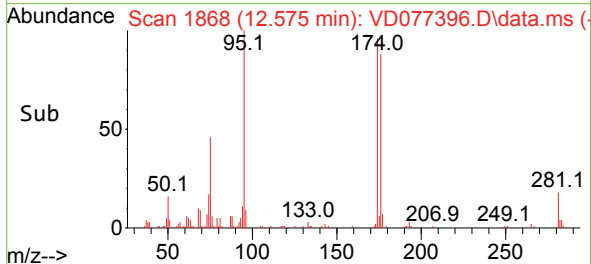
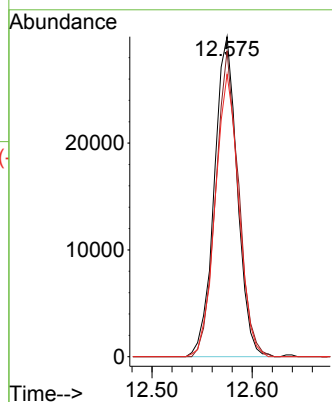
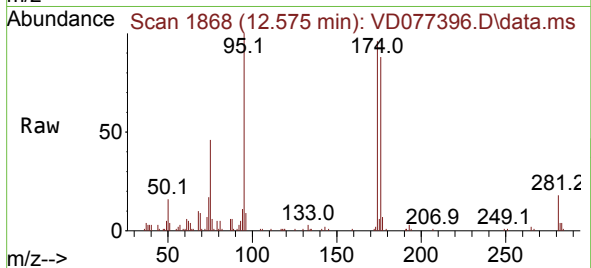




#62
4-Bromofluorobenzene
Concen: 26.127 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

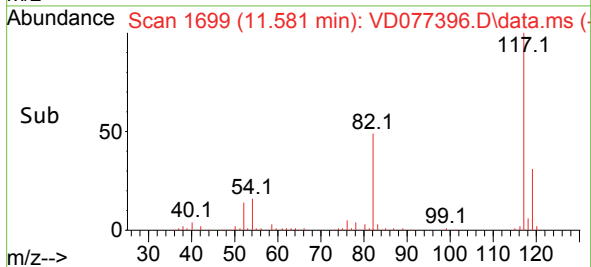
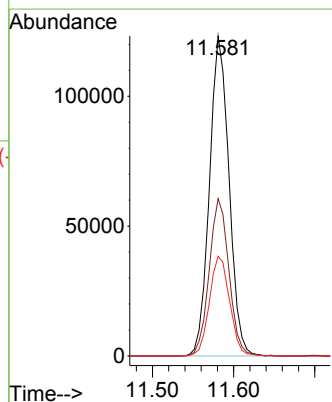
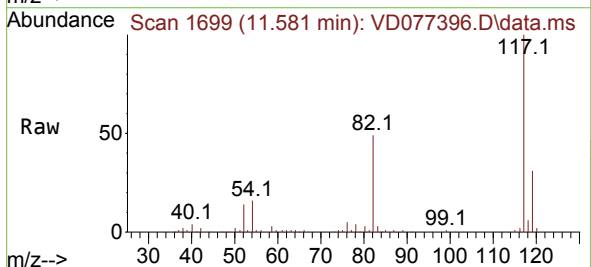
Instrument :
MSVOA_D
ClientSampleId :

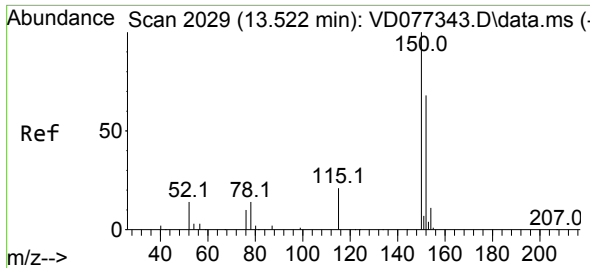
Tgt Ion: 95 Resp: 47705
Ion Ratio Lower Upper
95 100
174 94.6 0.0 201.8
176 90.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077396.D
Acq: 24 Oct 2023 15:54

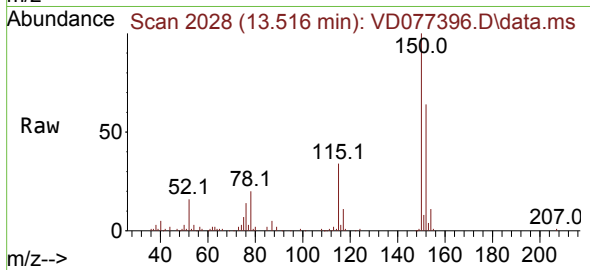
Tgt Ion: 117 Resp: 206088
Ion Ratio Lower Upper
117 100
82 49.1 38.3 57.5
119 31.2 25.0 37.4



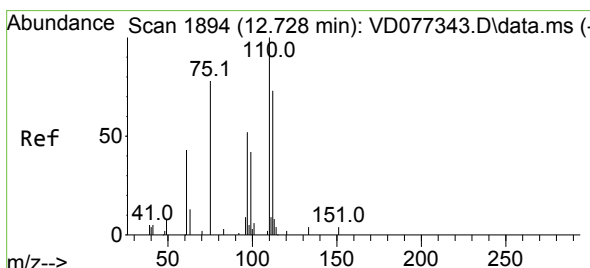
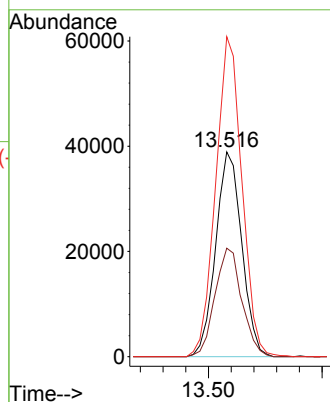
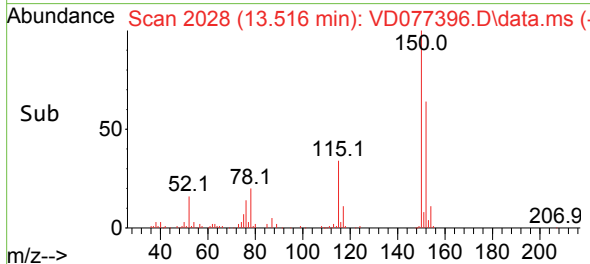


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077396.D
 Acq: 24 Oct 2023 15:54

Instrument :
 MSVOA_D
 ClientSampleId :

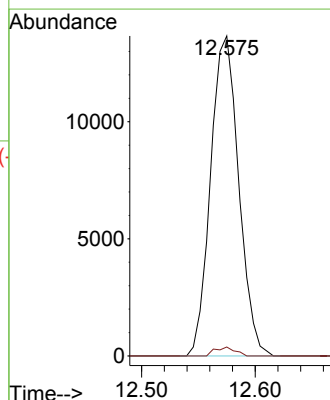
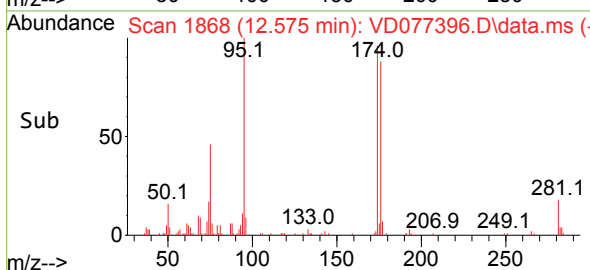
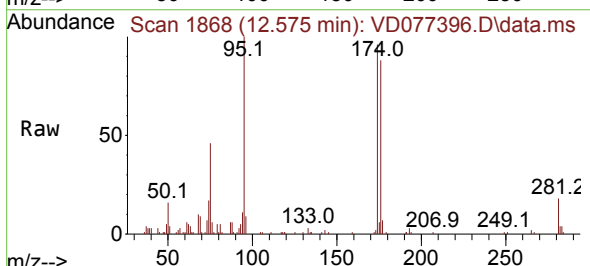


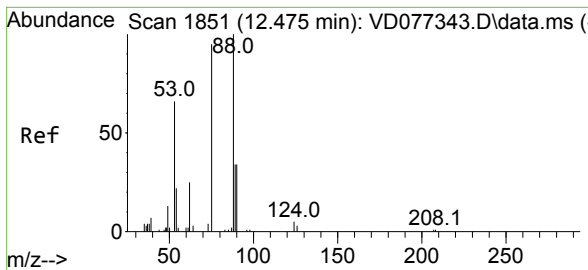
Tgt Ion:152 Resp: 62051
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.3
 150 157.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 29.142 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077396.D
 Acq: 24 Oct 2023 15:54

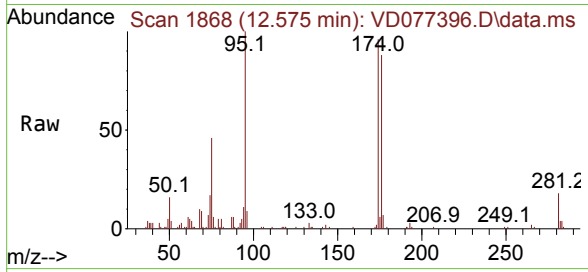
Tgt Ion: 75 Resp: 23531
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.614 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077396.D
 Acq: 24 Oct 2023 15:54

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	23531
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.3	37.9	56.9#

