

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077368.D
 Acq On : 20 Oct 2023 16:52
 Operator : JC/SY
 Sample : 05001-03
 Misc : 6.79G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:30:58 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)

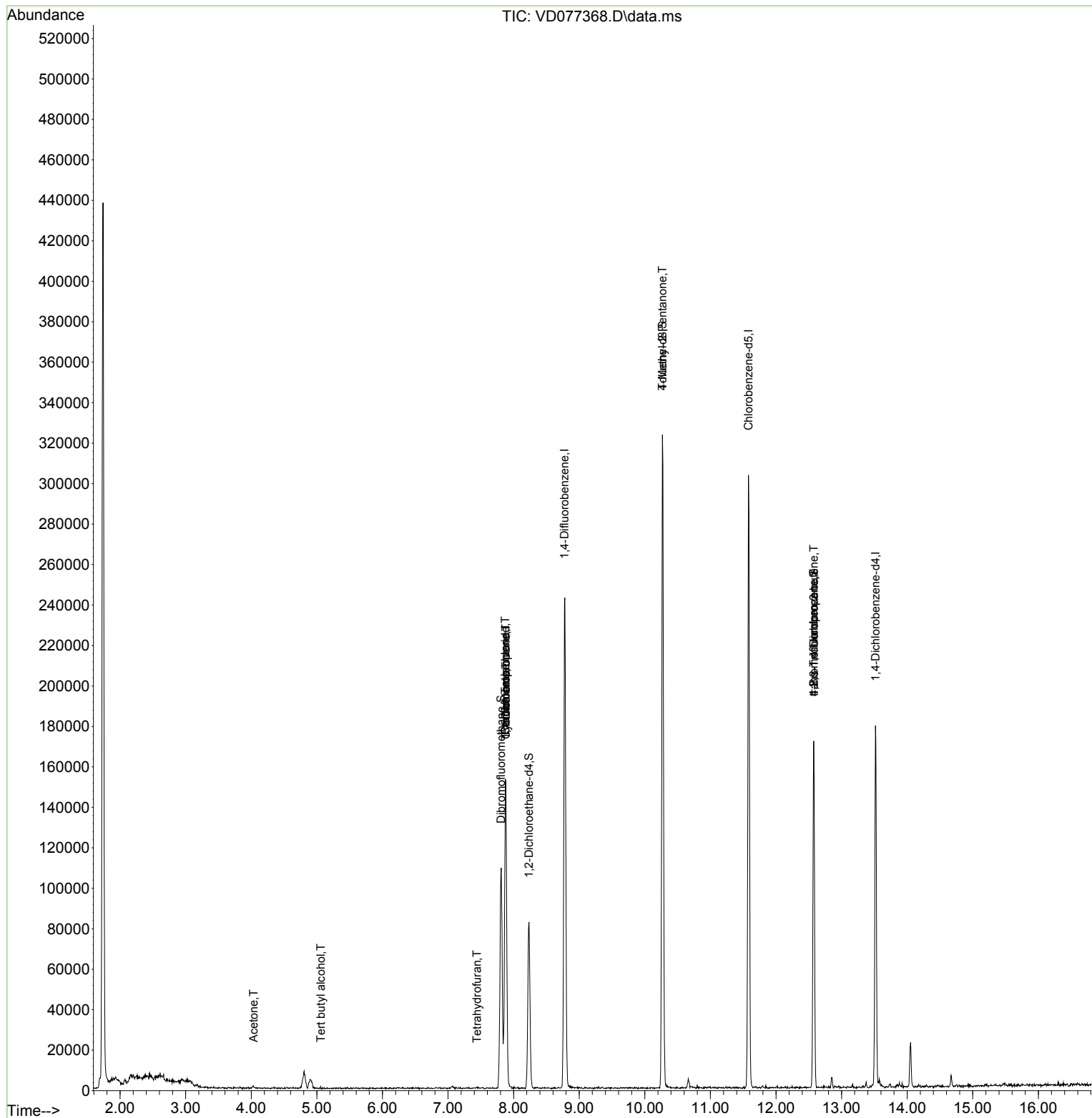
Internal Standards						
1) Pentafluorobenzene	7.875	168	119666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	230342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	51203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	64093	59.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.960%
35) Dibromofluoromethane	7.810	113	79264	48.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.960%
50) Toluene-d8	10.269	98	231430	39.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.860%
62) 4-Bromofluorobenzene	12.575	95	47578	28.519	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	113	1.880	ug/l #	73
16) Acetone	4.034	43	1222	5.215	ug/l	94
20) Methylene Chloride	4.805	84	6638	Below Cal	#	86
29) Tetrahydrofuran	7.440	42	378	2.696	ug/l #	34
31) Cyclohexane	7.881	56	2807	1.688	ug/l #	32
36) 1,1-Dichloropropene	7.881	75	9969	4.688	ug/l #	47
38) Carbon Tetrachloride	7.875	117	11942	5.049	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	951	1.578	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	24482	36.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	24482	128.118	ug/l #	17

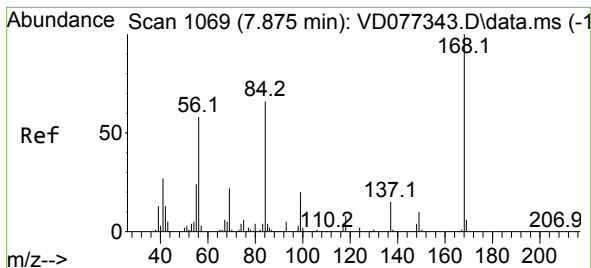
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077368.D

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Instrument :

MSVOA_D

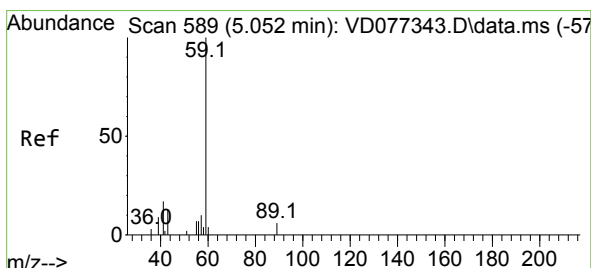
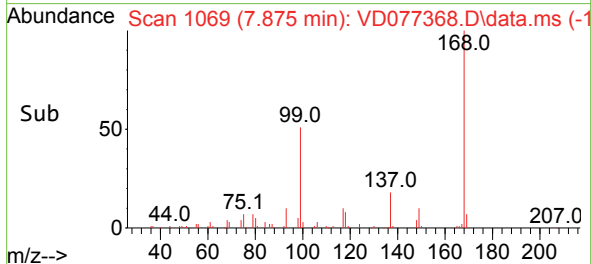
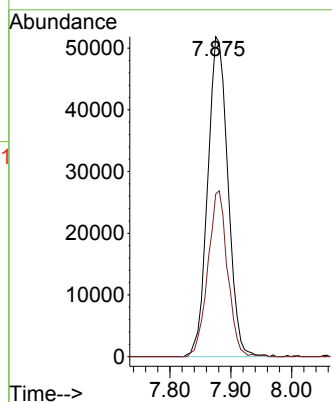
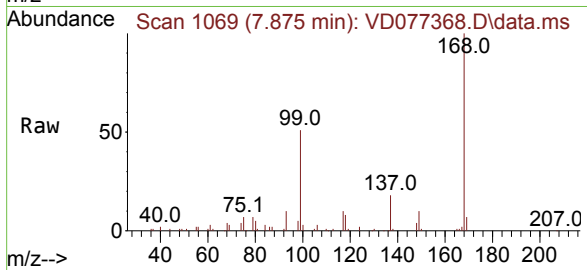
ClientSampleId :

Tgt Ion:168 Resp: 119666

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.880 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.006 min

Lab File: VD077368.D

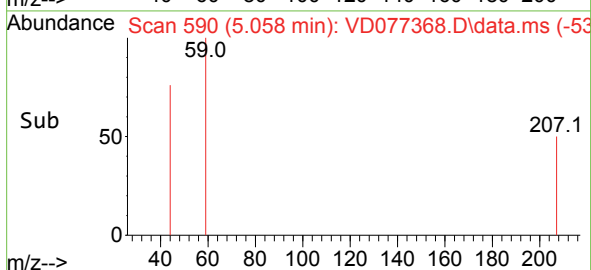
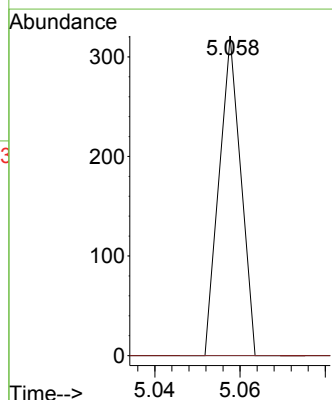
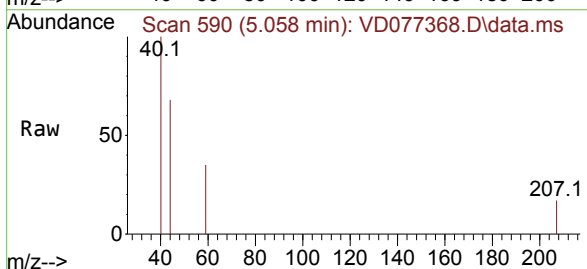
Acq: 20 Oct 2023 16:52

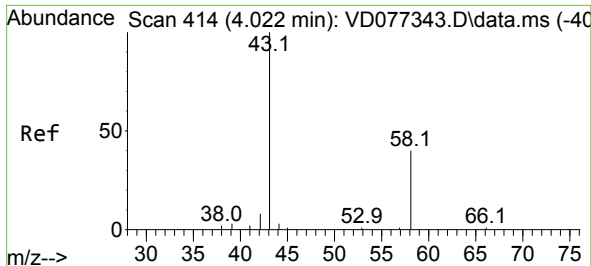
Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

59 100

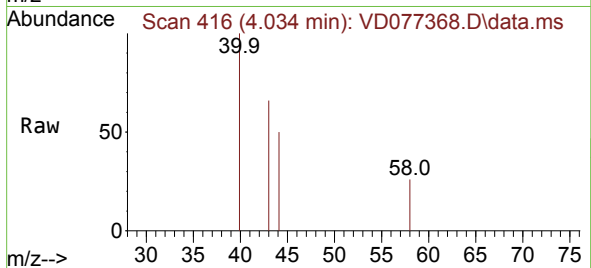
57 0.0 7.8 11.8#



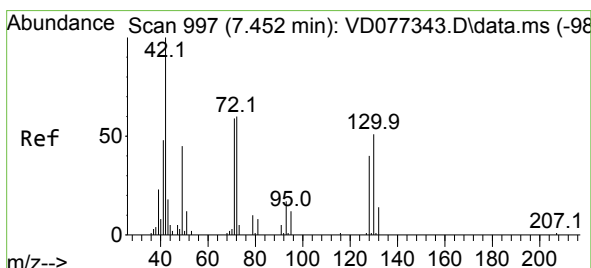
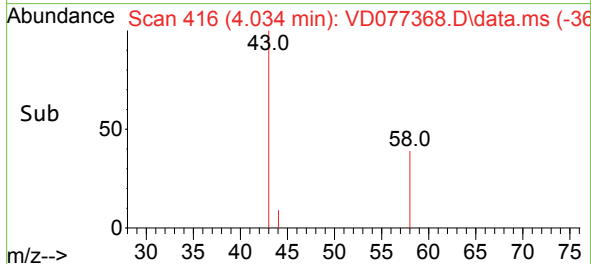
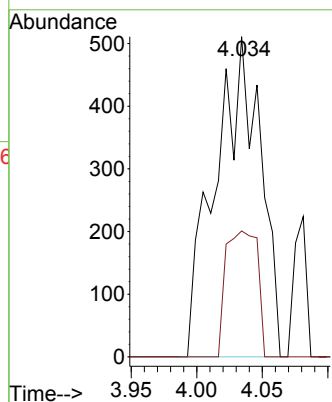


#16
Acetone
Concen: 5.215 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

Instrument :
MSVOA_D
ClientSampleId :

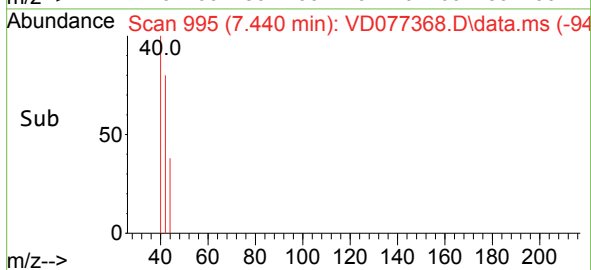
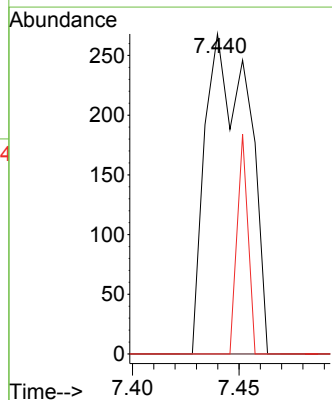
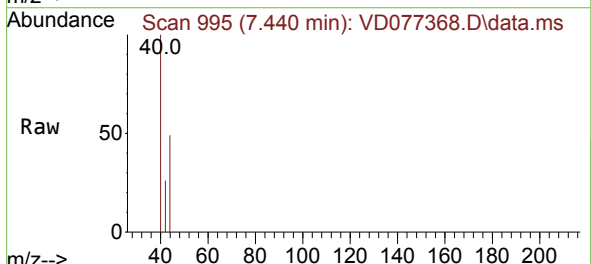


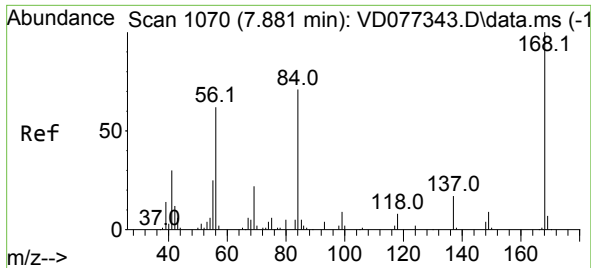
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 39.3 34.7 52.1



#29
Tetrahydrofuran
Concen: 2.696 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.012 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

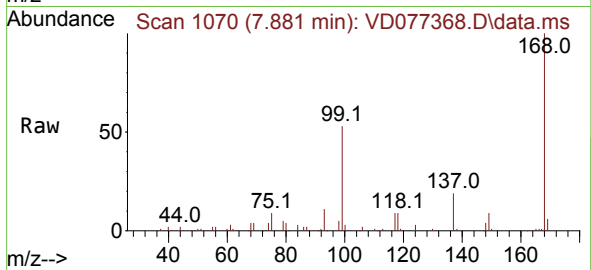
Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 17.2 44.5 66.7#



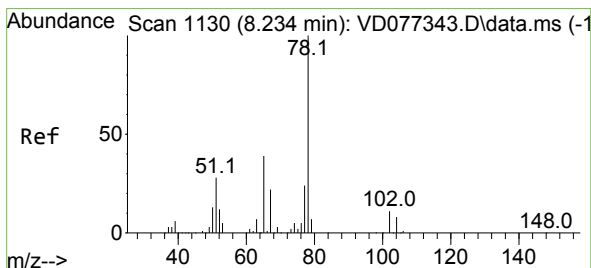
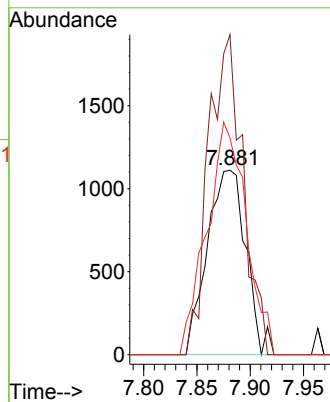
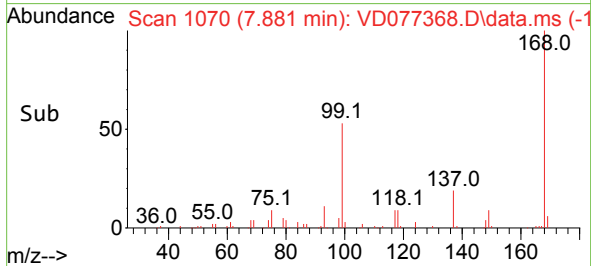


#31
Cyclohexane
Concen: 1.688 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

Instrument :
MSVOA_D
ClientSampleId :

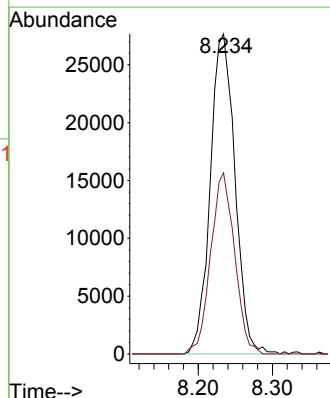
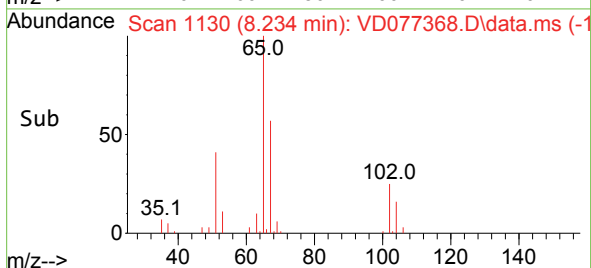
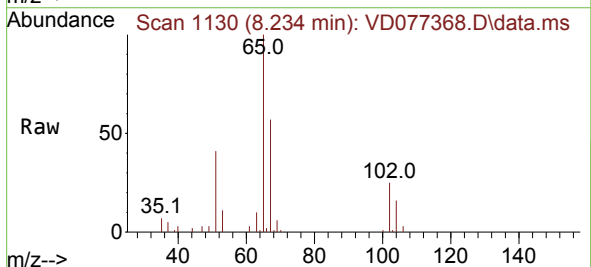


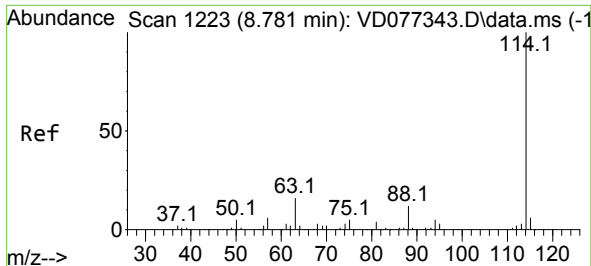
Tgt Ion: 56 Resp: 2807
Ion Ratio Lower Upper
56 100
69 173.5 28.6 43.0#
84 117.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 59.981 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

Tgt Ion: 65 Resp: 64093
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077368.D

Acq: 20 Oct 2023 16:52

Instrument :

MSVOA_D

ClientSampleId :

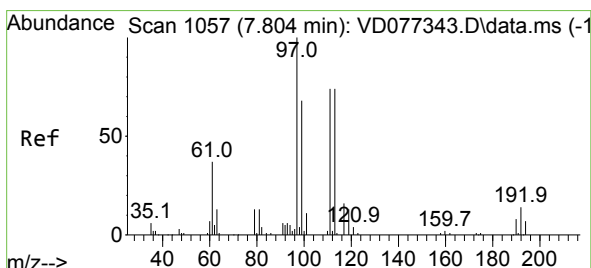
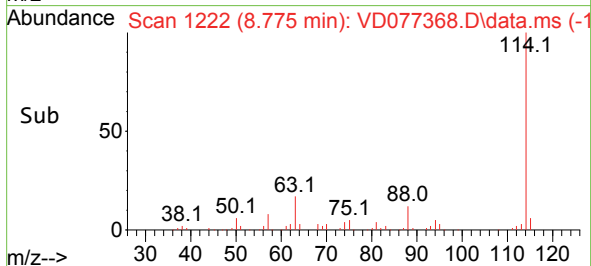
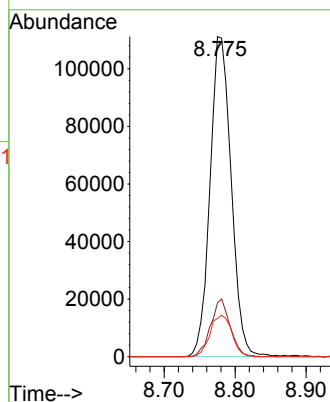
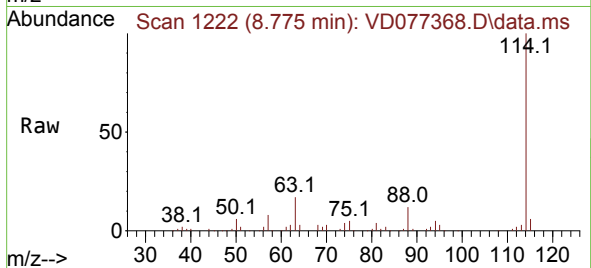
Tgt Ion:114 Resp: 230342

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 12.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.981 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077368.D

Acq: 20 Oct 2023 16:52

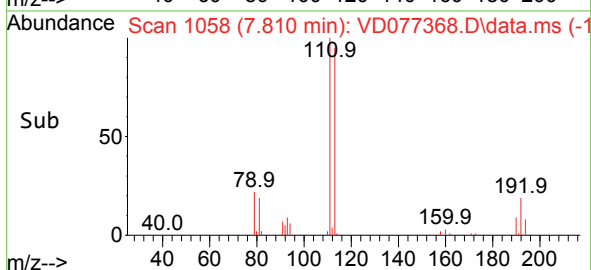
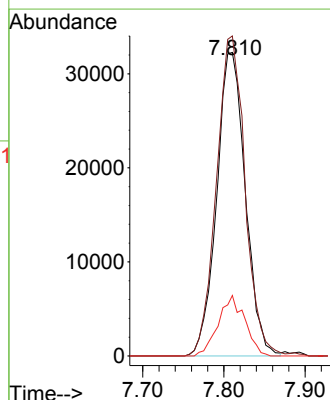
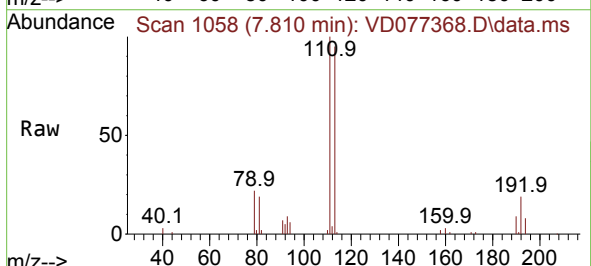
Tgt Ion:113 Resp: 79264

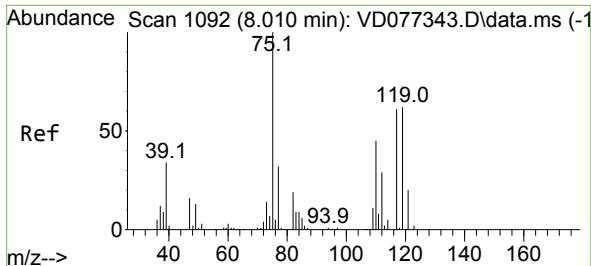
Ion Ratio Lower Upper

113 100

111 105.3 84.7 127.1

192 18.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.688 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

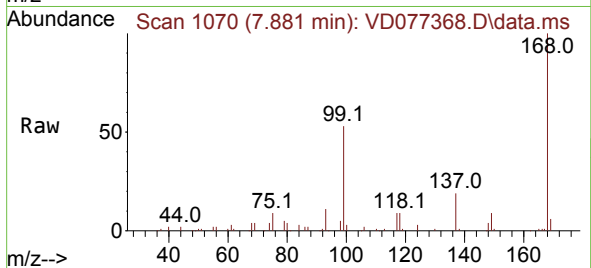
Lab File: VD077368.D

Acq: 20 Oct 2023 16:52

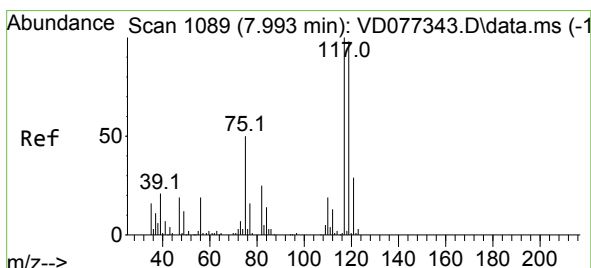
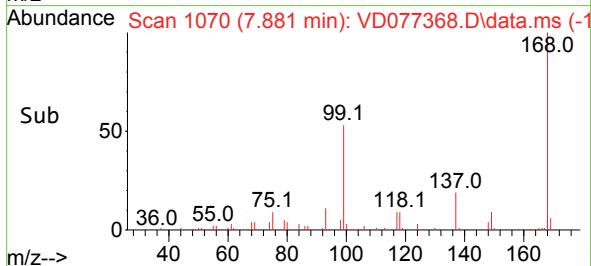
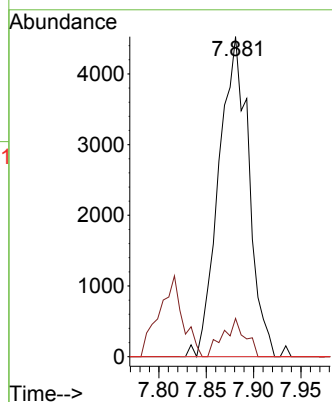
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 9969
Ion Ratio	Lower Upper
75	100
110	8.8 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.049 ug/l

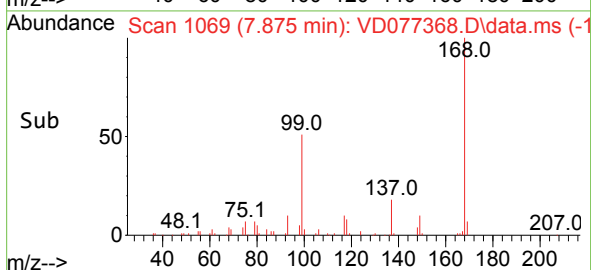
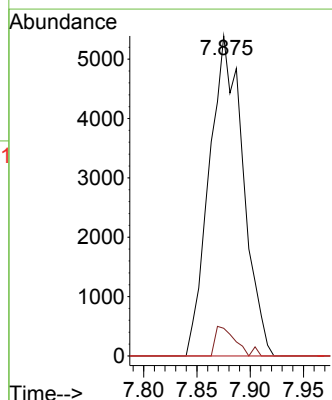
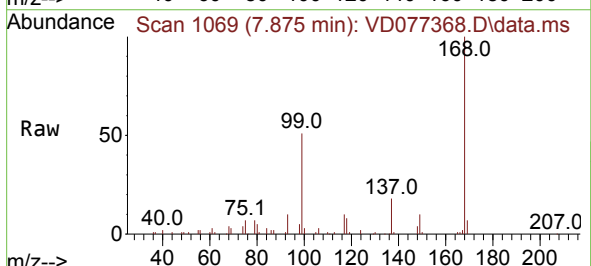
RT: 7.875 min Scan# 1069

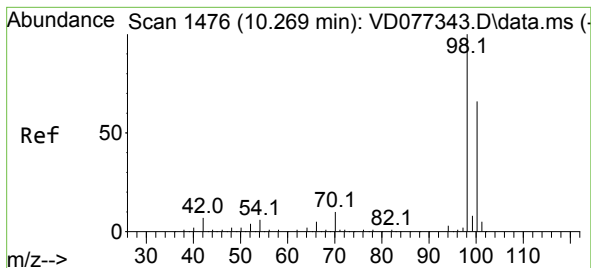
Delta R.T. -0.118 min

Lab File: VD077368.D

Acq: 20 Oct 2023 16:52

Tgt Ion: 117	Resp: 11942
Ion Ratio	Lower Upper
117	100
119	8.7 78.0 117.0#
121	0.0 24.2 36.2#

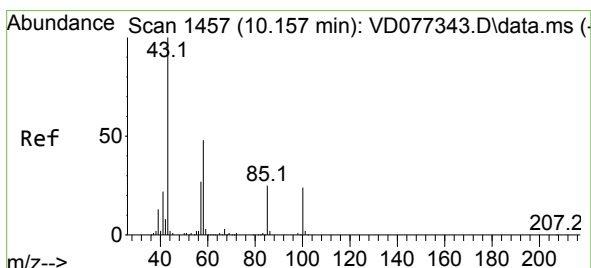
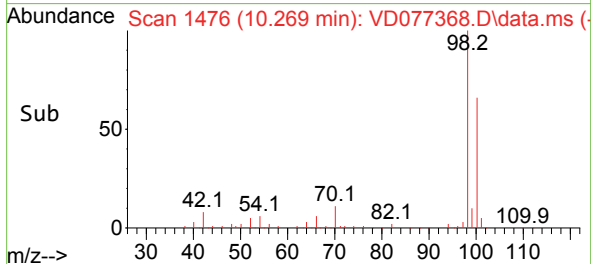
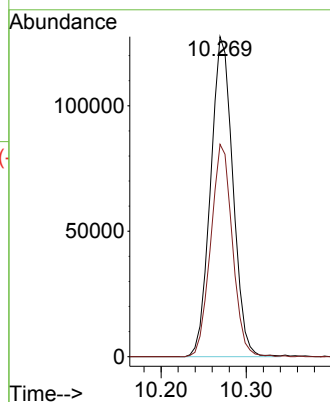
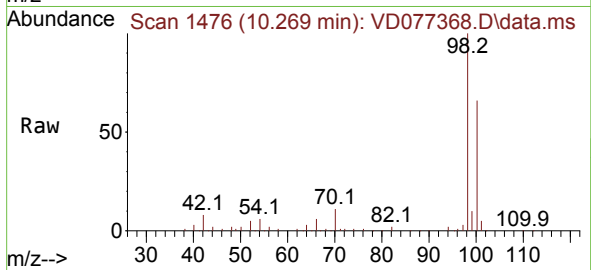




#50
Toluene-d8
Concen: 39.933 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

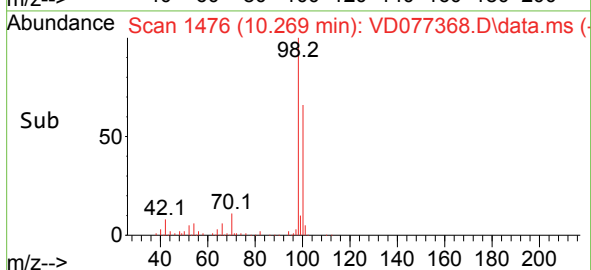
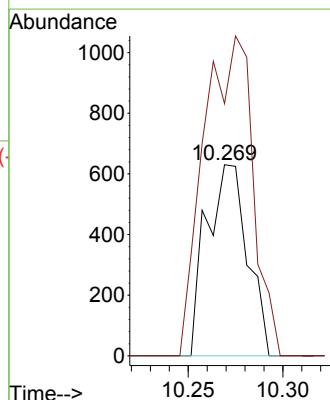
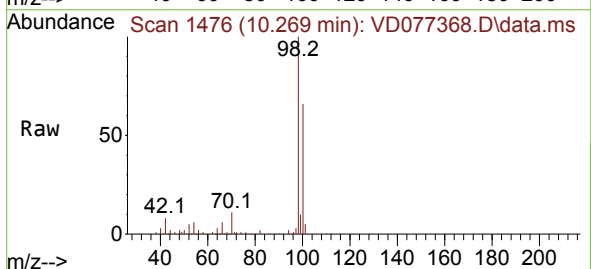
Instrument :
MSVOA_D
ClientSampleId :

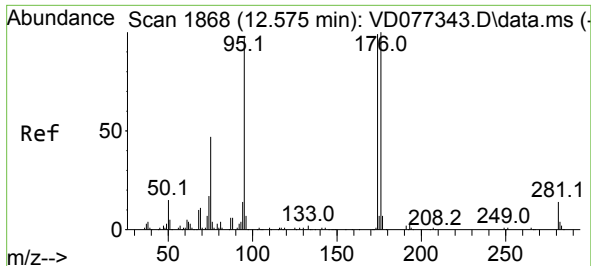
Tgt Ion: 98 Resp: 231430
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.578 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 200.0 38.9 58.3#

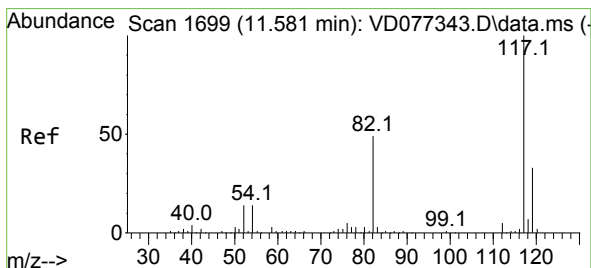
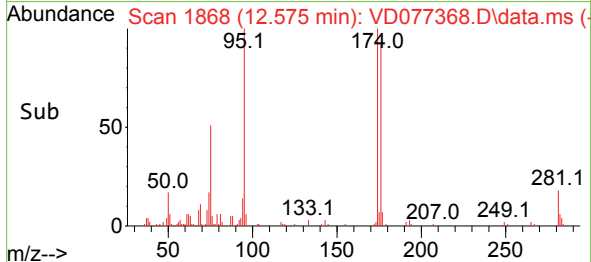
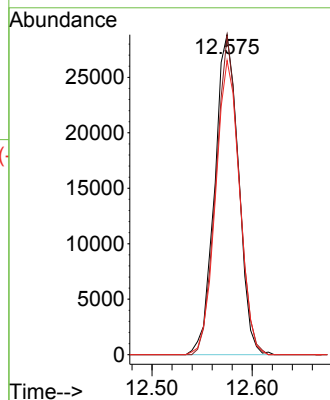
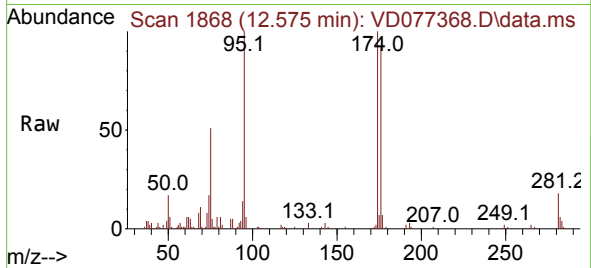




#62
4-Bromofluorobenzene
Concen: 28.519 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

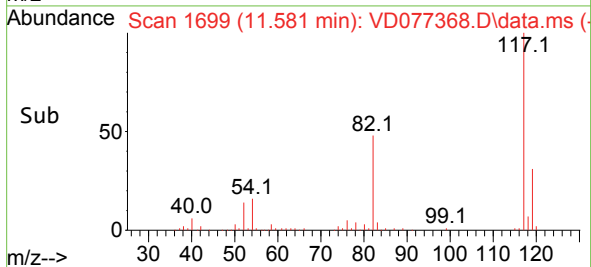
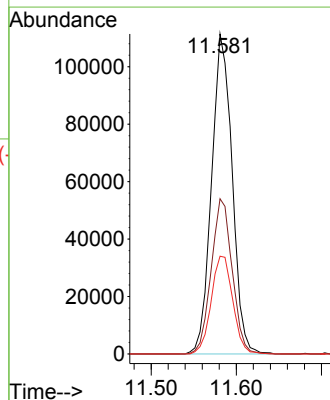
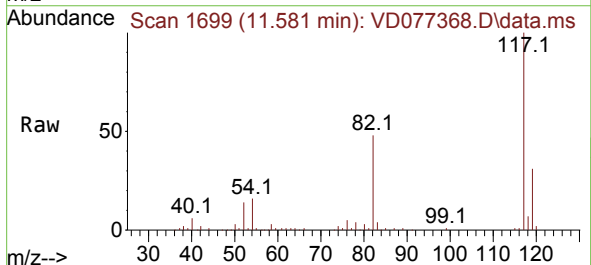
Instrument :
MSVOA_D
ClientSampleId :

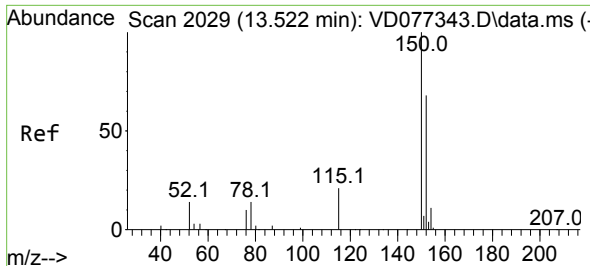
Tgt Ion: 95 Resp: 47578
Ion Ratio Lower Upper
95 100
174 96.2 0.0 201.8
176 92.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077368.D
Acq: 20 Oct 2023 16:52

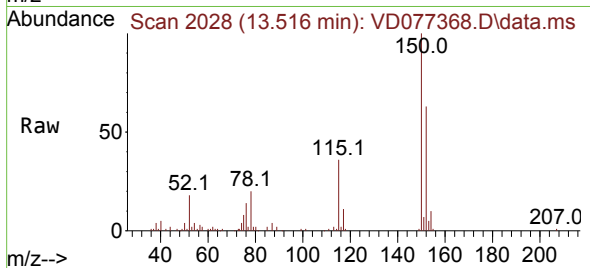
Tgt Ion: 117 Resp: 186957
Ion Ratio Lower Upper
117 100
82 48.5 38.3 57.5
119 30.6 25.0 37.4



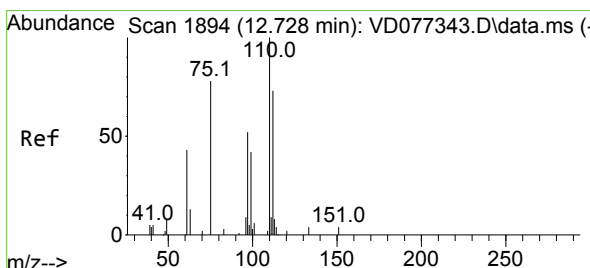
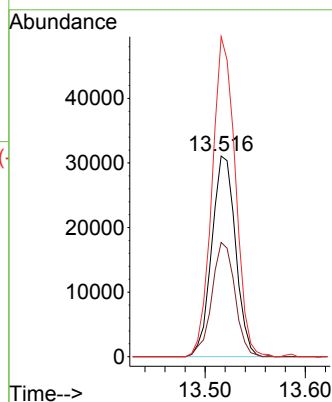
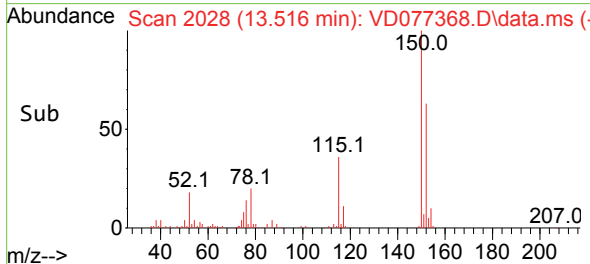


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD077368.D
 Acq: 20 Oct 2023 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

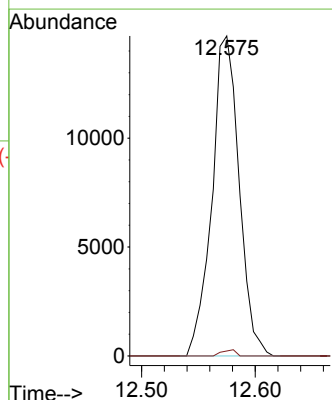
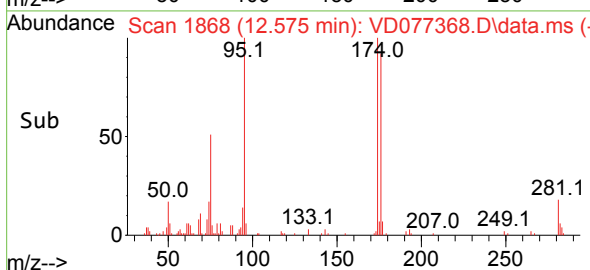
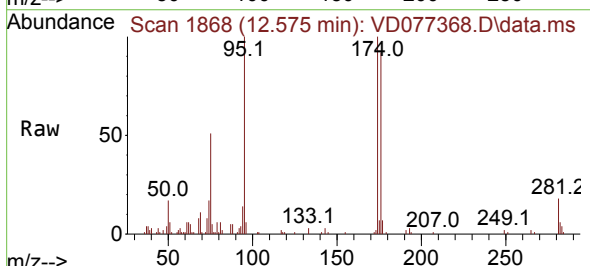


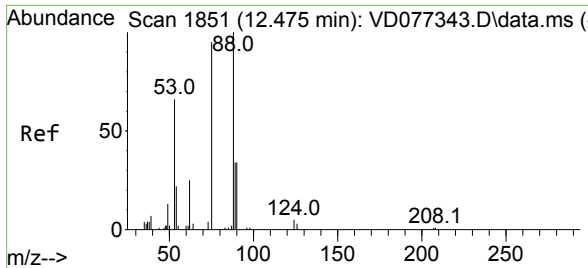
Tgt Ion:152 Resp: 51203
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.1 81.3
 150 155.9 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 36.030 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077368.D
 Acq: 20 Oct 2023 16:52

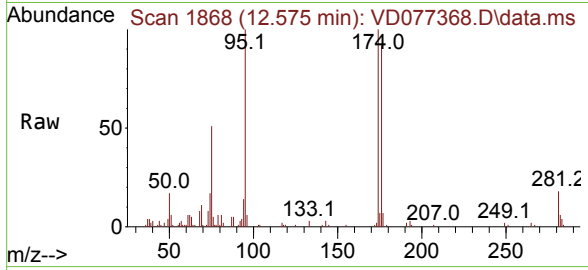
Tgt Ion: 75 Resp: 24482
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.118 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077368.D
 Acq: 20 Oct 2023 16:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	24482
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

