

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077372.D
 Acq On : 20 Oct 2023 18:40
 Operator : JC/SY
 Sample : 04960-01RE
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:32:16 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)

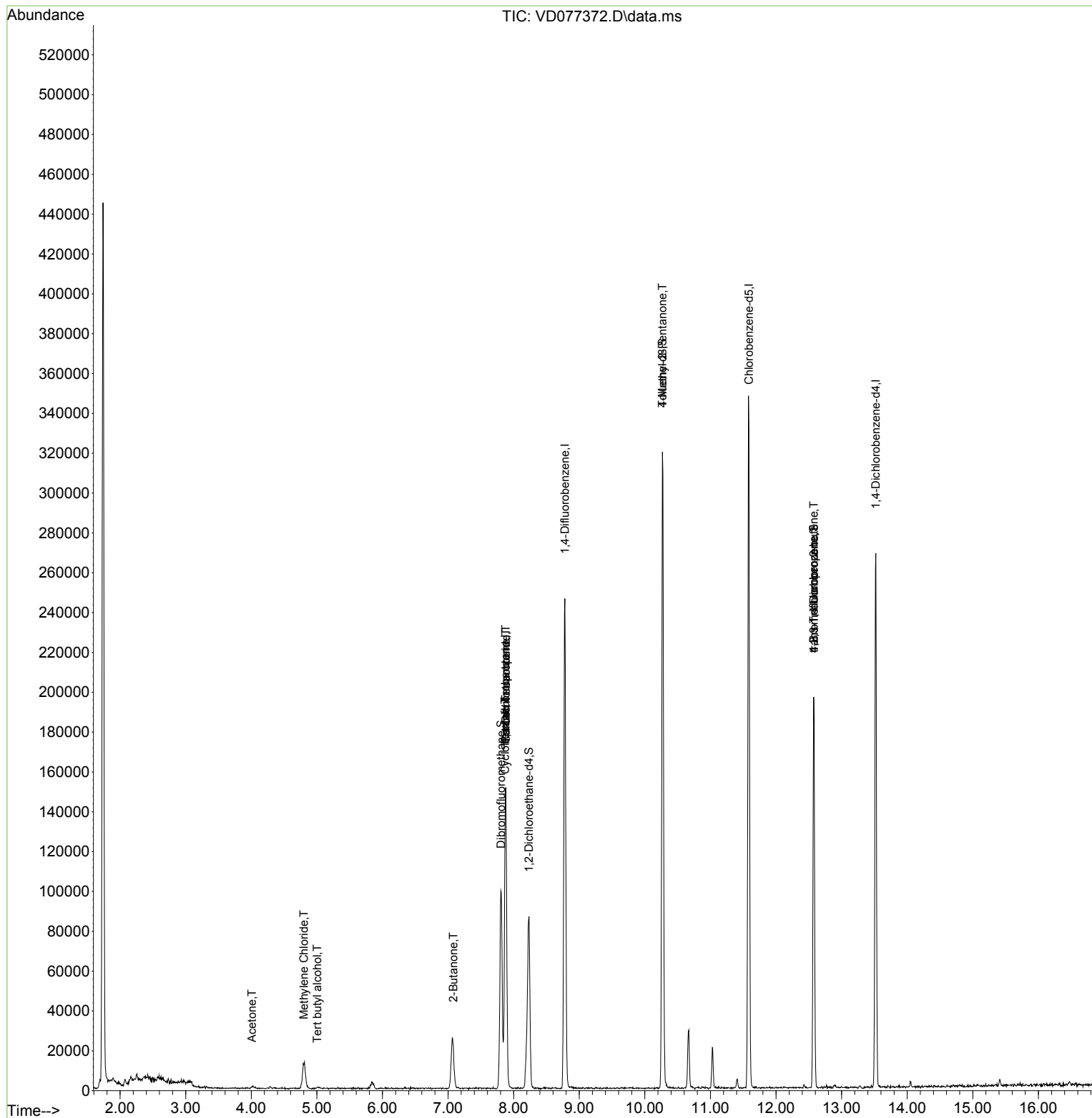
Internal Standards						
1) Pentafluorobenzene	7.875	168	122505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	216077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	77062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62888	57.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.980%
35) Dibromofluoromethane	7.810	113	74368	45.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.920%
50) Toluene-d8	10.269	98	235792	40.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.480%
62) 4-Bromofluorobenzene	12.575	95	55221	32.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.005	59	250	4.063	ug/l #	73
16) Acetone	4.010	43	896	3.735	ug/l #	32
20) Methylene Chloride	4.805	84	11287	3.320	ug/l #	92
25) 2-Butanone	7.081	43	913	3.669	ug/l #	37
31) Cyclohexane	7.869	56	2694	1.583	ug/l #	14
36) 1,1-Dichloropropene	7.881	75	9559	4.447	ug/l #	47
38) Carbon Tetrachloride	7.881	117	12387	5.180	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	834	1.369	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	28990	28.932	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	28990	100.802	ug/l #	17

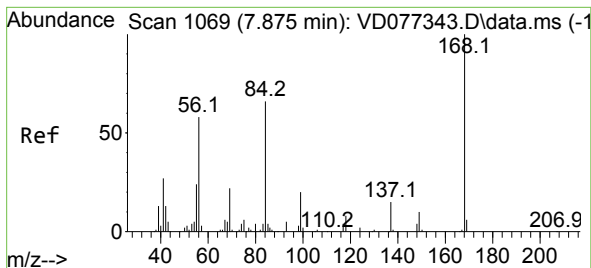
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077372.D

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Instrument :

MSVOA_D

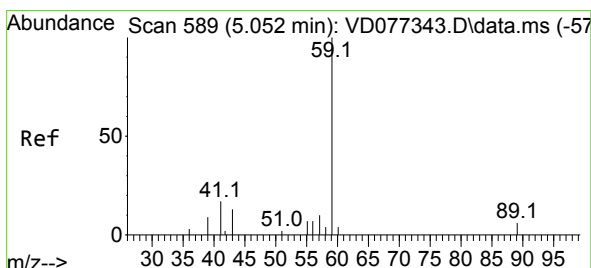
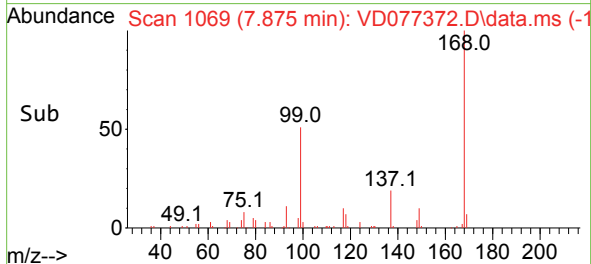
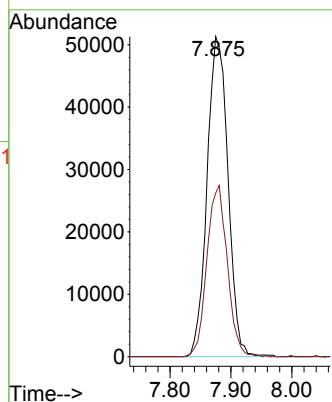
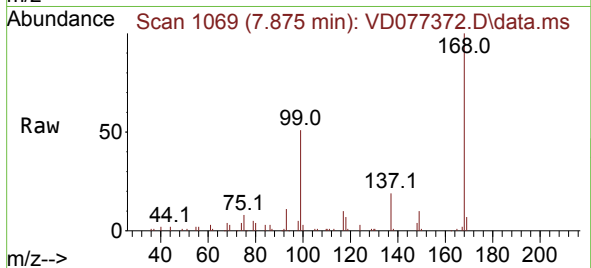
ClientSampleId :

Tgt Ion:168 Resp: 122505

Ion Ratio Lower Upper

168 100

99 51.1 36.7 55.1



#11

Tert butyl alcohol

Concen: 4.063 ug/l

RT: 5.005 min Scan# 581

Delta R.T. -0.047 min

Lab File: VD077372.D

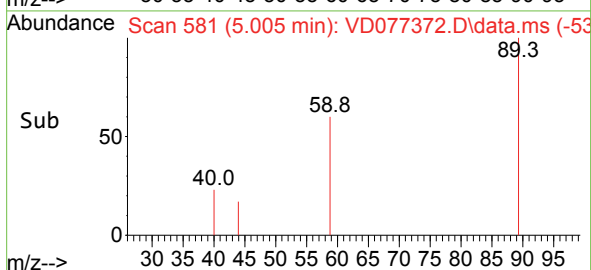
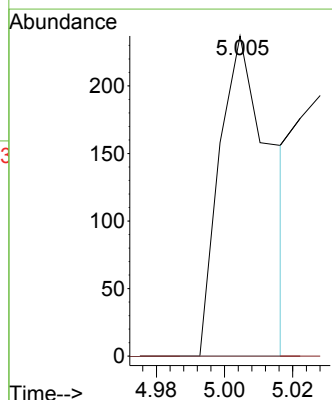
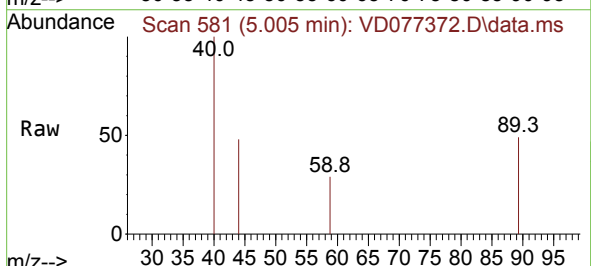
Acq: 20 Oct 2023 18:40

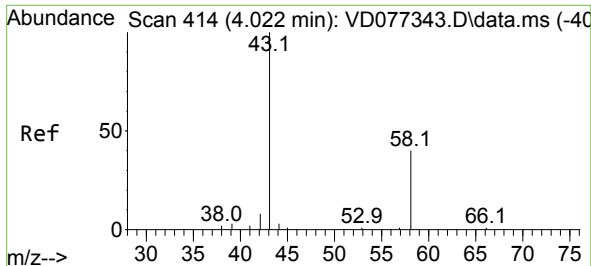
Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

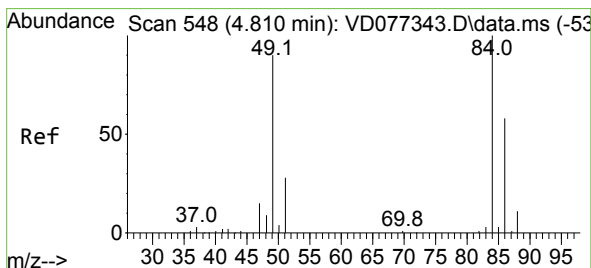
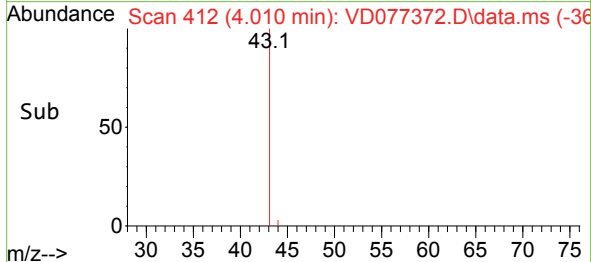
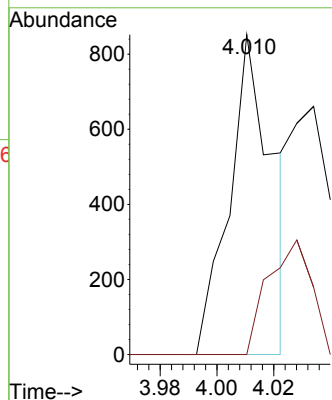
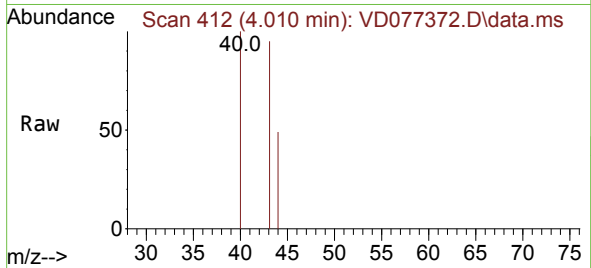




#16
Acetone
Concen: 3.735 ug/l
RT: 4.010 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

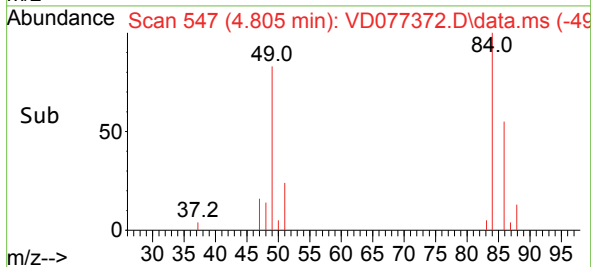
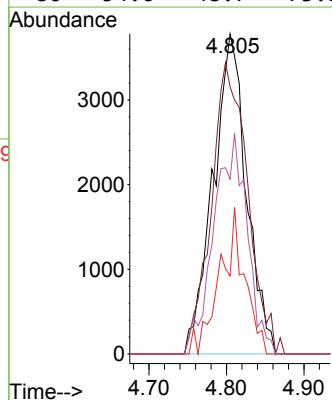
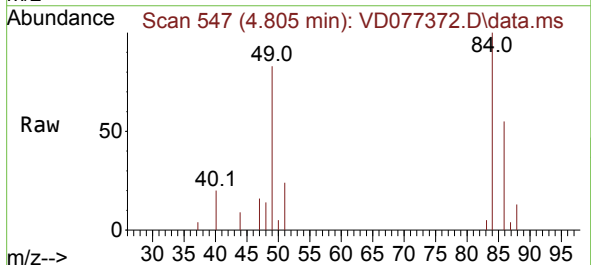
Instrument :
MSVOA_D
ClientSampleId :

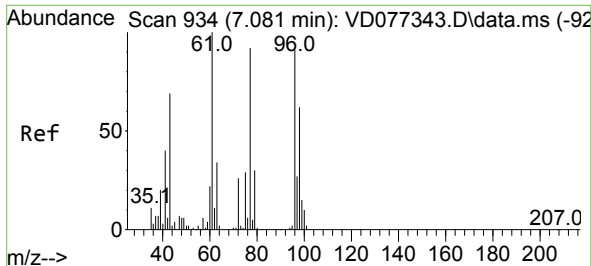
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 3.320 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion: 84 Resp: 11287
Ion Ratio Lower Upper
84 100
49 83.4 71.4 107.2
51 24.4 24.5 36.7#
86 54.6 48.7 73.1

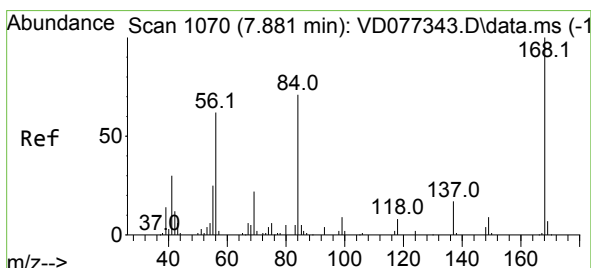
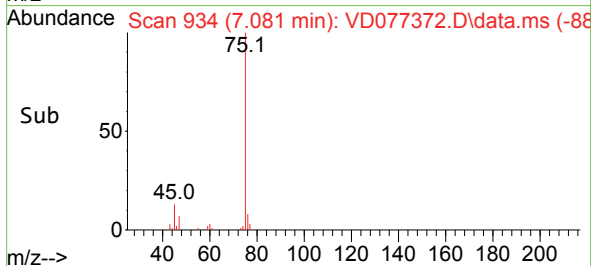
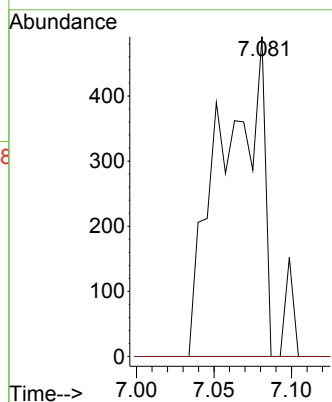
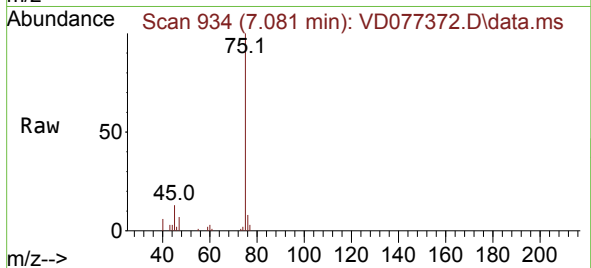




#25
2-Butanone
Concen: 3.669 ug/l
RT: 7.081 min Scan# 913
Delta R.T. -0.000 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

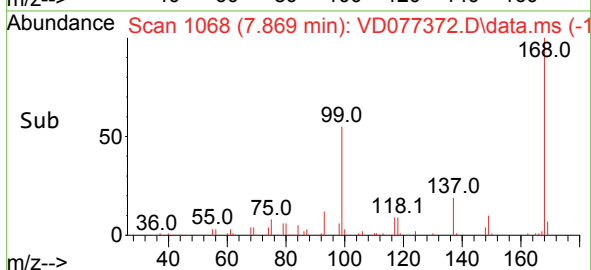
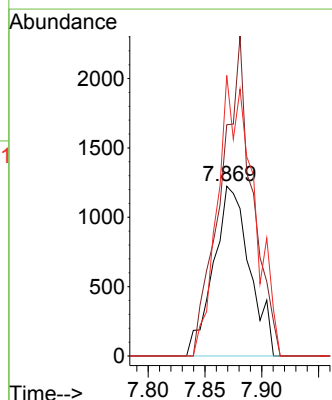
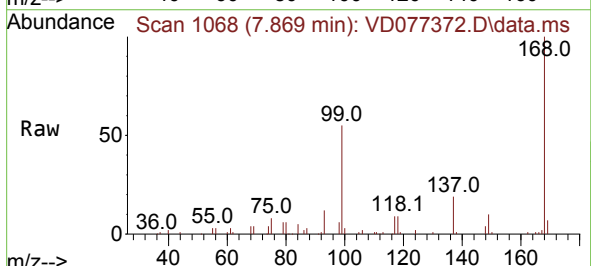
Instrument :
MSVOA_D
ClientSampleId :

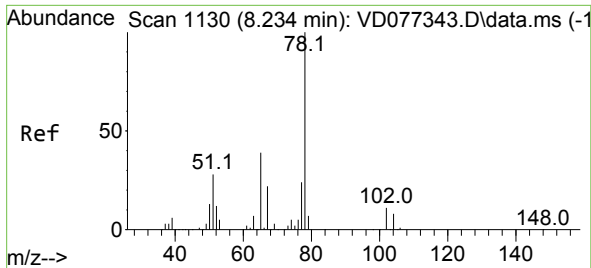
Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion: 56 Resp: 2694
Ion Ratio Lower Upper
56 100
69 136.2 28.6 43.0#
84 165.2 84.8 127.2#

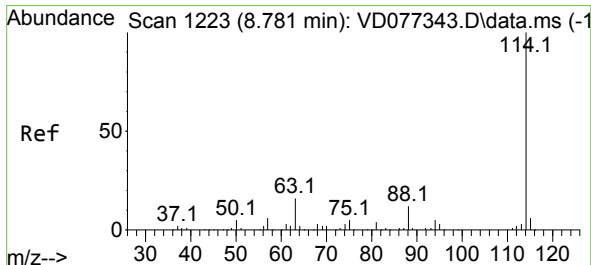
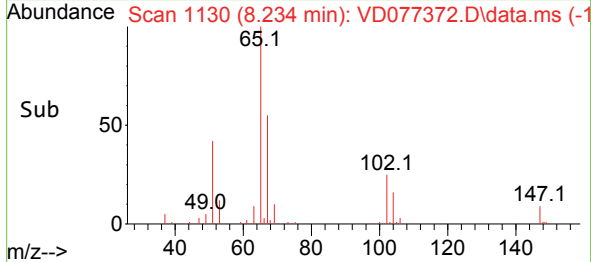
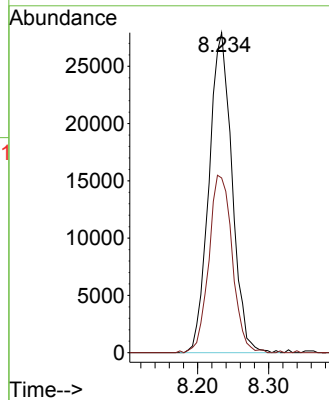
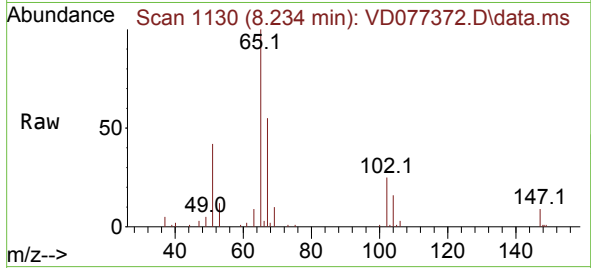




#33
 1,2-Dichloroethane-d4
 Concen: 57.490 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD077372.D
 Acq: 20 Oct 2023 18:40

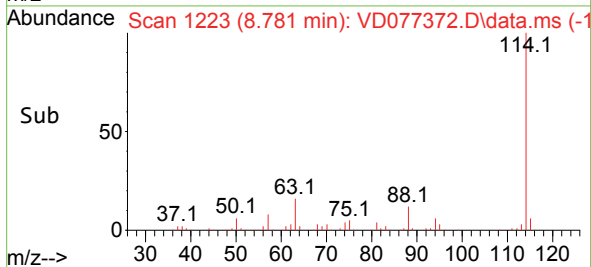
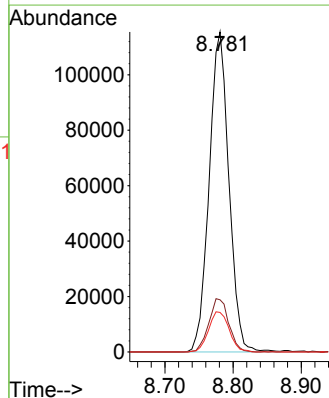
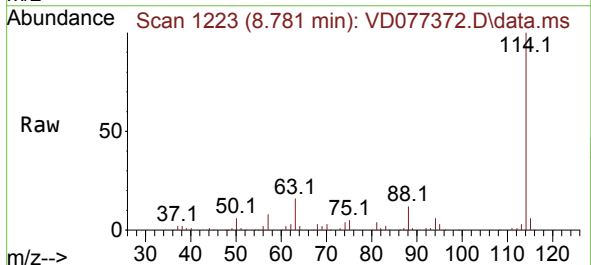
Instrument :
 MSVOA_D
 ClientSampleId :

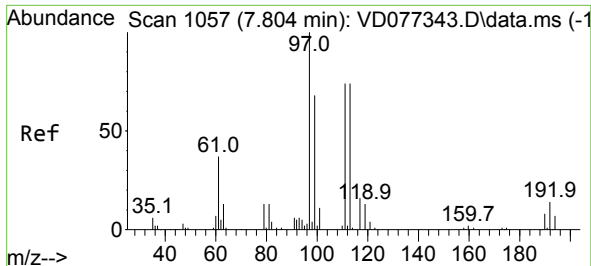
Tgt Ion: 65 Resp: 62888
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: VD077372.D
 Acq: 20 Oct 2023 18:40

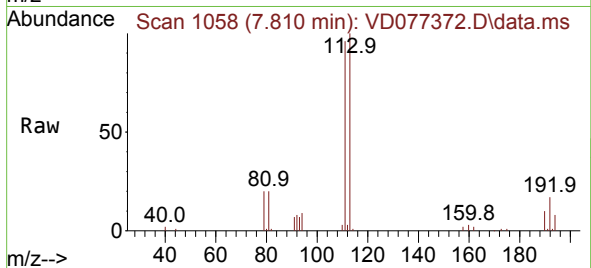
Tgt Ion: 114 Resp: 232866
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 33.4
 88 12.4 0.0 26.2



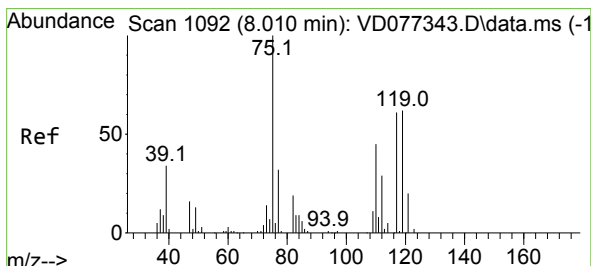
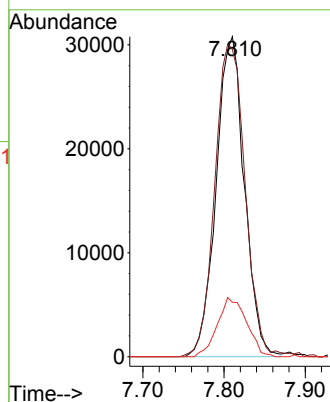
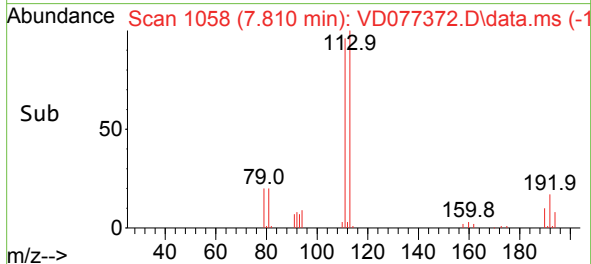


#35
Dibromofluoromethane
Concen: 45.458 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Instrument :
MSVOA_D
ClientSampleId :

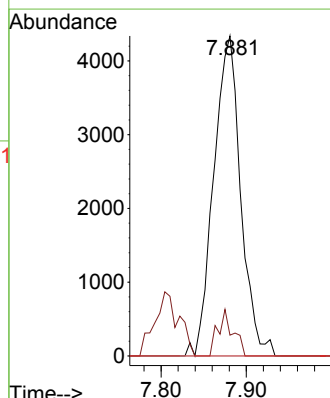
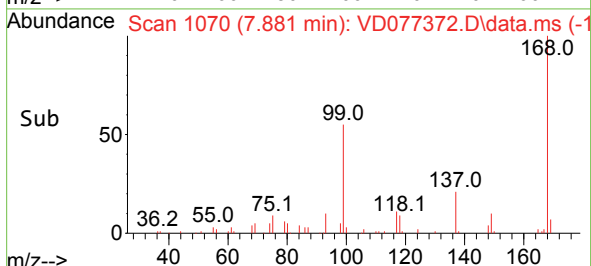
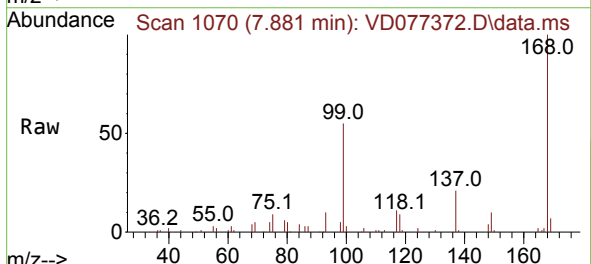


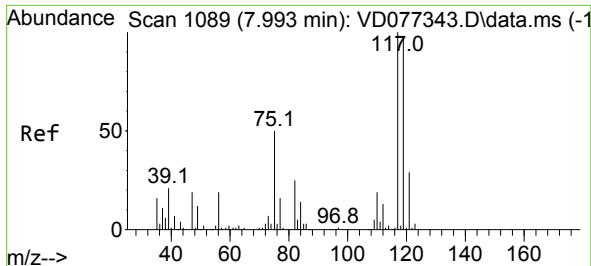
Tgt Ion:113 Resp: 74368
Ion Ratio Lower Upper
113 100
111 105.1 84.7 127.1
192 19.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

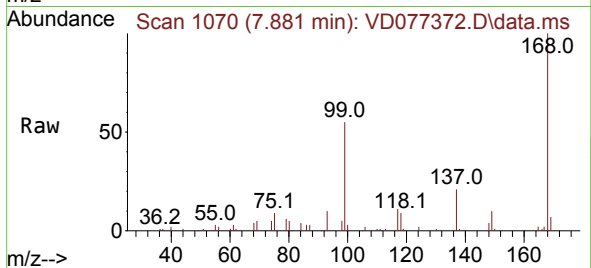
Tgt Ion: 75 Resp: 9559
Ion Ratio Lower Upper
75 100
110 8.2 19.9 59.6#
77 0.0 24.7 37.1#



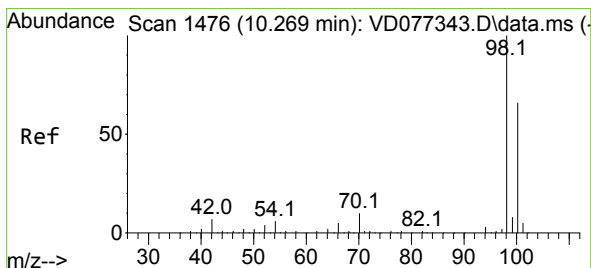
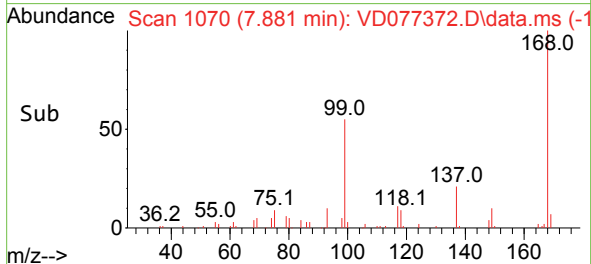
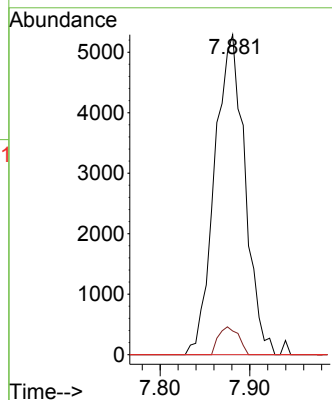


#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Instrument :
MSVOA_D
ClientSampleId :

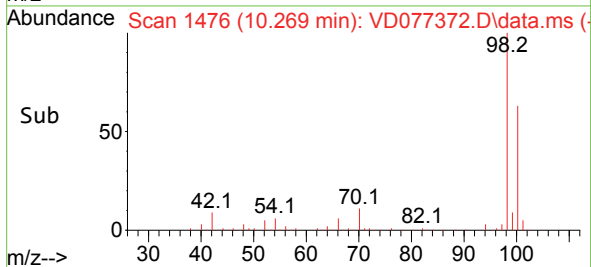
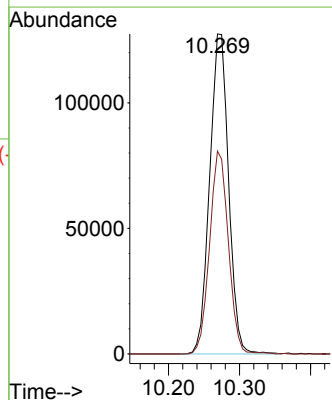
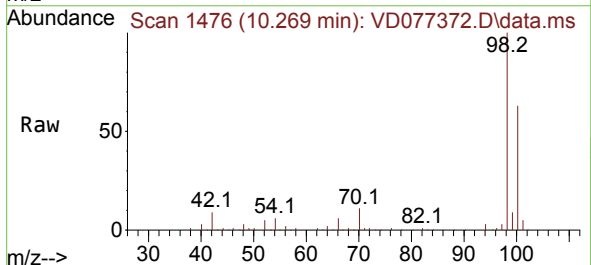


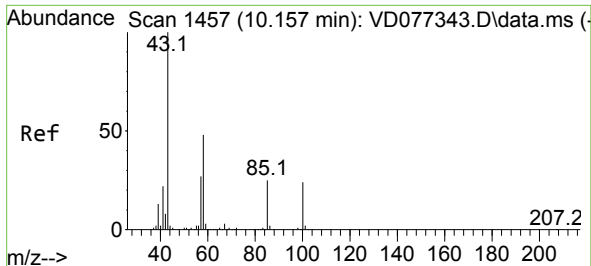
Tgt Ion:117 Resp: 12387
Ion Ratio Lower Upper
117 100
119 7.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 40.245 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion: 98 Resp: 235792
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5

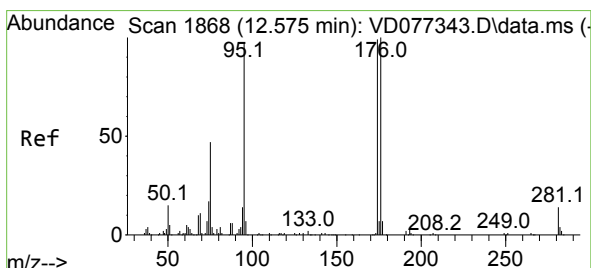
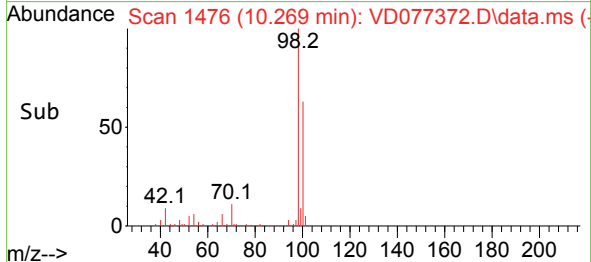
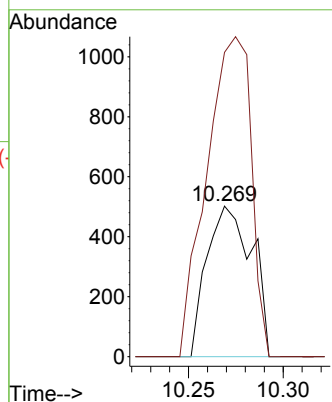
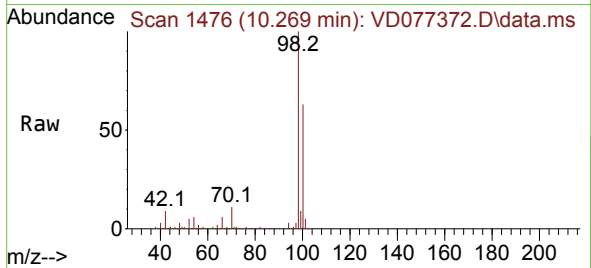




#51
4-Methyl-2-Pentanone
Concen: 1.369 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

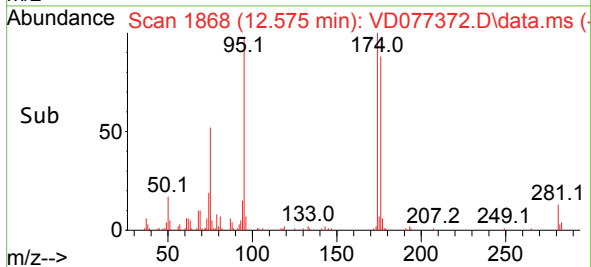
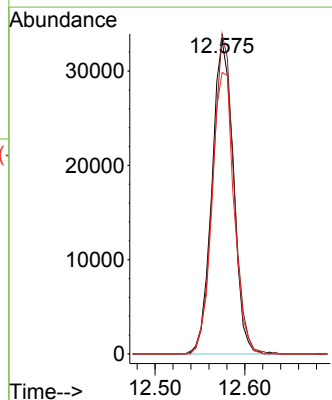
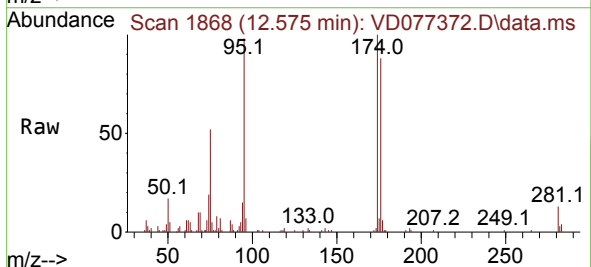
Instrument :
MSVOA_D
ClientSampleId :

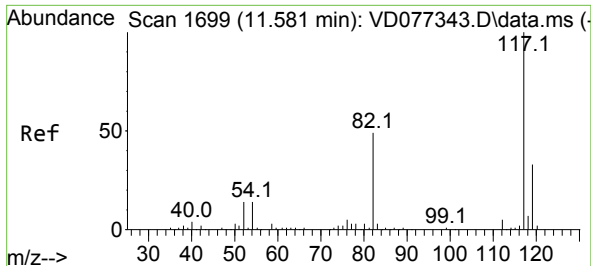
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 209.4 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 32.742 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion: 95 Resp: 55221
Ion Ratio Lower Upper
95 100
174 99.9 0.0 201.8
176 91.8 0.0 191.8

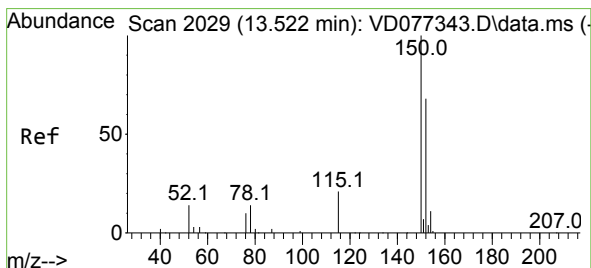
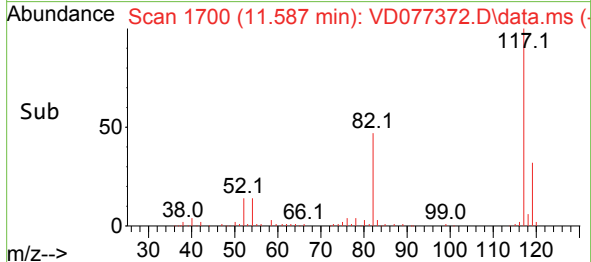
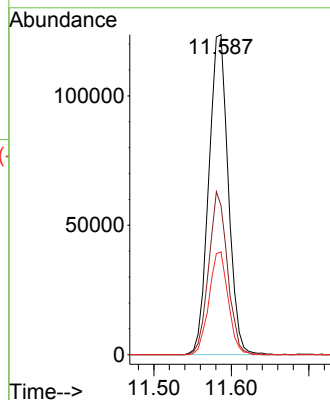
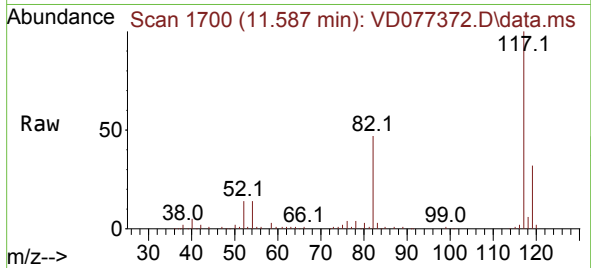




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

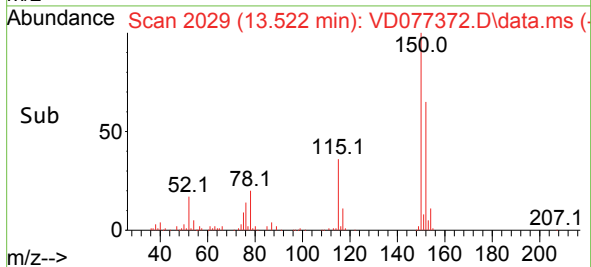
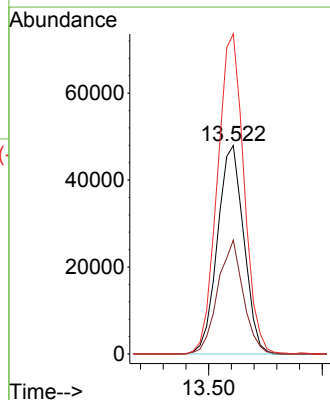
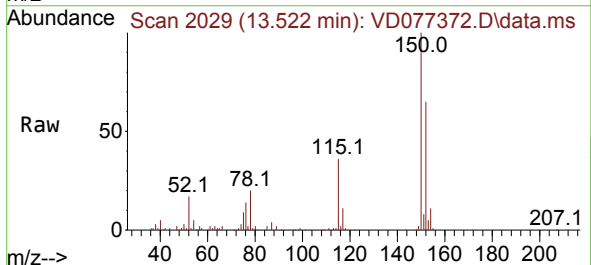
Instrument :
MSVOA_D
ClientSampleId :

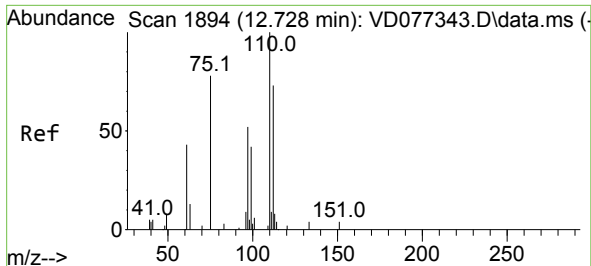
Tgt Ion:117 Resp: 216077
Ion Ratio Lower Upper
117 100
82 46.6 38.3 57.5
119 32.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion:152 Resp: 77062
Ion Ratio Lower Upper
152 100
115 53.0 27.1 81.3
150 155.0 0.0 353.6

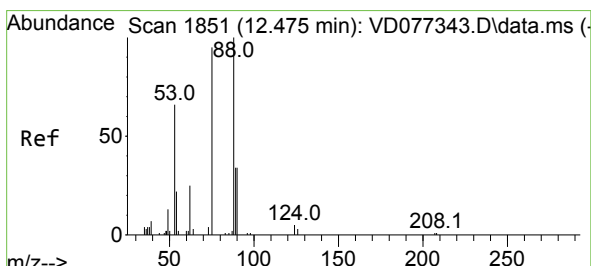
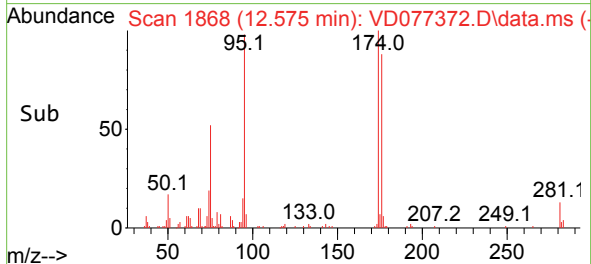
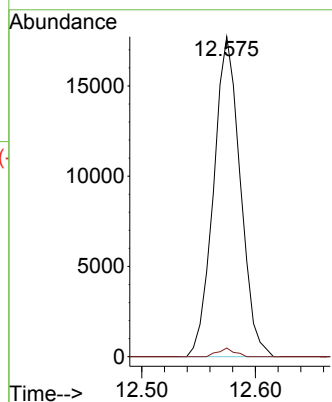
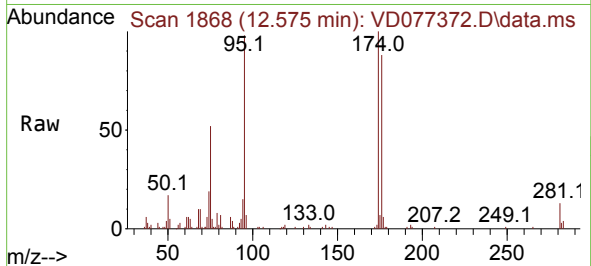




#76
1,2,3-Trichloropropane
Concen: 28.932 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 28990
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.802 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077372.D
Acq: 20 Oct 2023 18:40

Tgt Ion: 75 Resp: 28990
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.3 37.9 56.9#

