

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077325.D
 Acq On : 12 Oct 2023 19:00
 Operator : JC/SY
 Sample : 04858-04
 Misc : 5.65G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 13 02:33:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

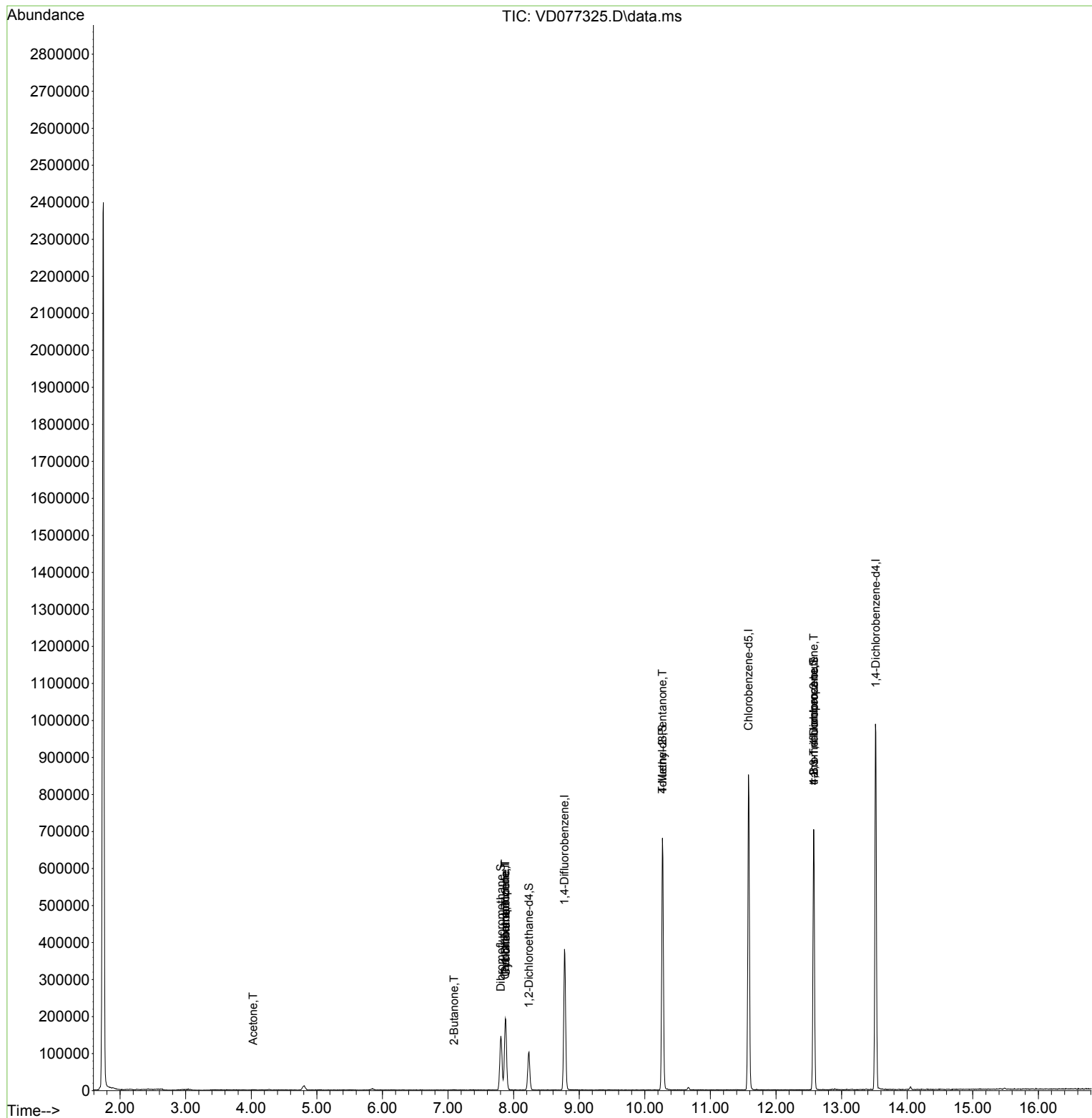
Internal Standards						
1) Pentafluorobenzene	7.875	168	148369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	502458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	264347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77204	66.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.380%	
35) Dibromofluoromethane	7.805	113	108317	60.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.060%	
50) Toluene-d8	10.269	98	473857	78.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 157.940%#	
62) 4-Bromofluorobenzene	12.575	95	220049	109.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 218.360%#	
Target Compounds						
16) Acetone	4.028	43	1079	2.960	ug/l	Qvalue 92
20) Methylene Chloride	4.793	84	4693	Below Cal	#	81
25) 2-Butanone	7.093	43	937	1.917	ug/l #	81
31) Cyclohexane	7.881	56	3357	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	11817	3.534	ug/l #	48
38) Carbon Tetrachloride	7.869	117	15312	5.085	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	1835	1.420	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	110813	40.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	110813	90.448	ug/l #	17

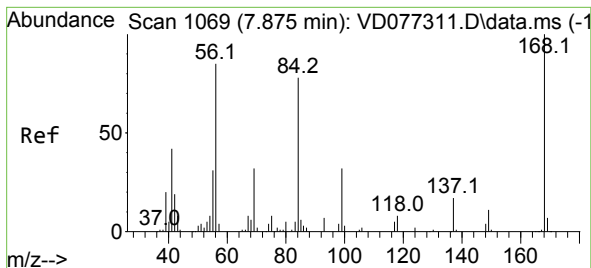
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 12 14:39:07 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077325.D

Acq: 12 Oct 2023 19:00

Instrument :

MSVOA_D

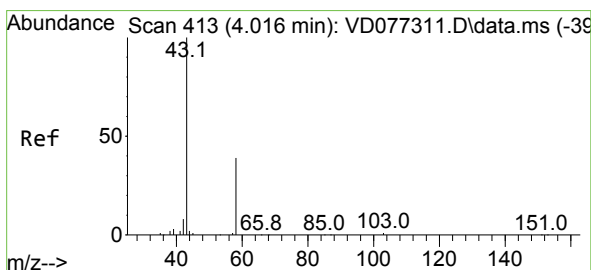
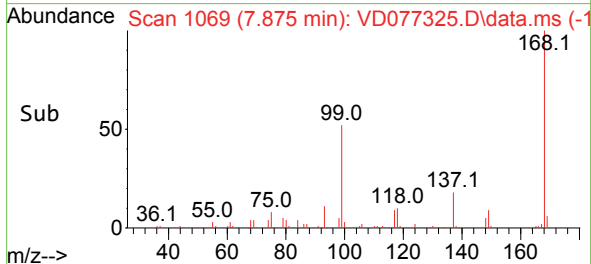
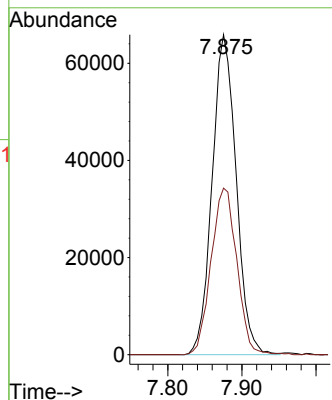
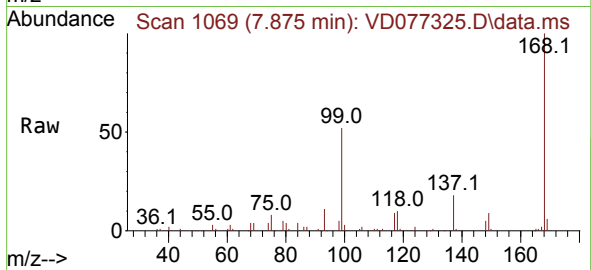
ClientSampleId :

Tgt Ion:168 Resp: 148369

Ion Ratio Lower Upper

168 100

99 52.1 36.7 55.1



#16

Acetone

Concen: 2.960 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.012 min

Lab File: VD077325.D

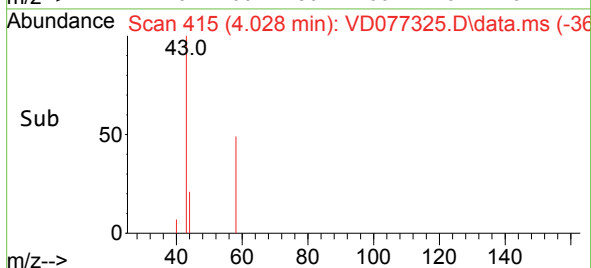
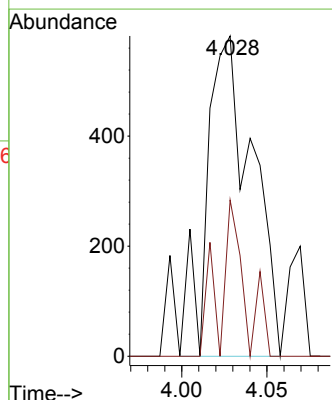
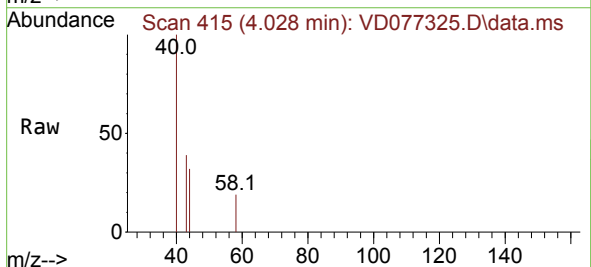
Acq: 12 Oct 2023 19:00

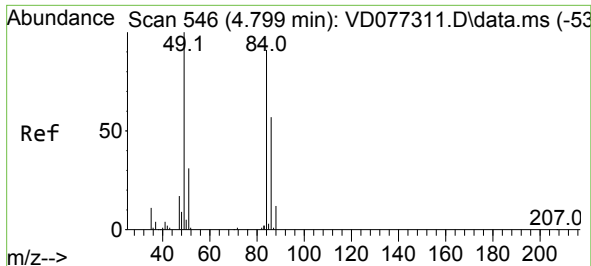
Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

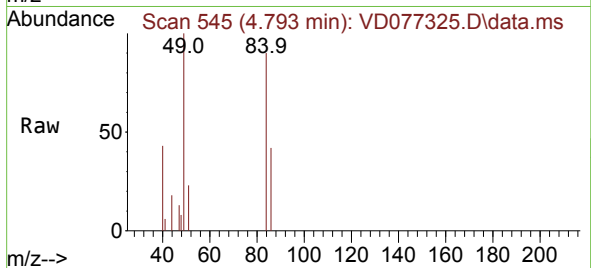
58 48.8 34.7 52.1



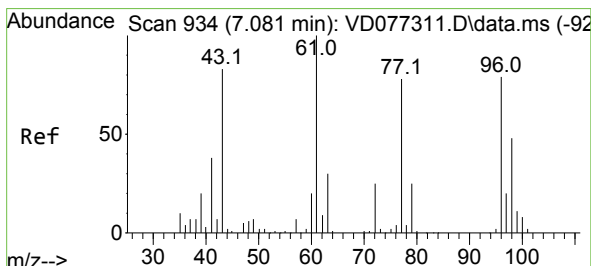
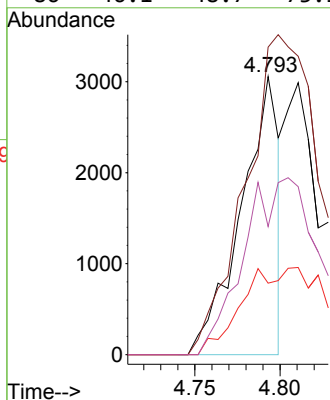
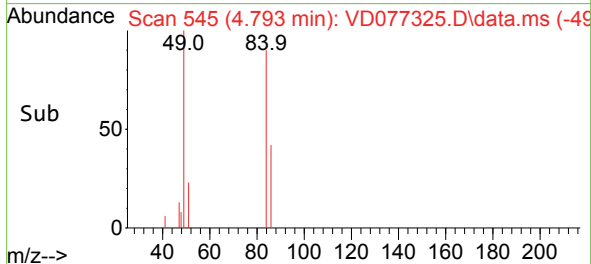


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Instrument :
MSVOA_D
ClientSampleId :

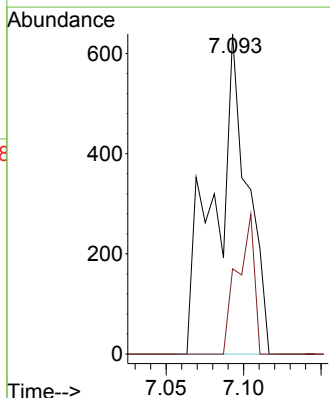
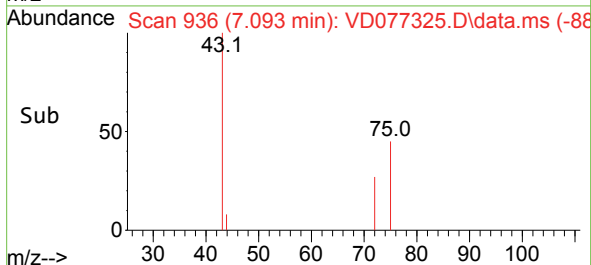
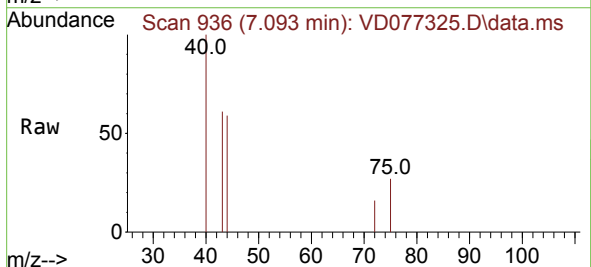


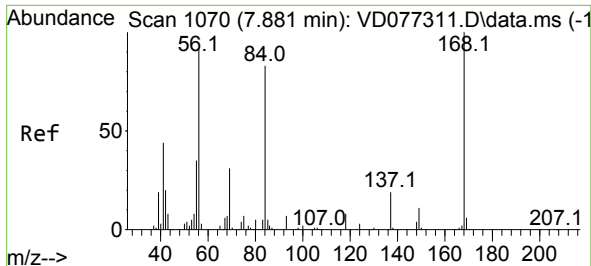
Tgt Ion: 84 Resp: 4693
Ion Ratio Lower Upper
84 100
49 110.6 71.4 107.2#
51 25.7 24.5 36.7
86 46.1 48.7 73.1#



#25
2-Butanone
Concen: 1.917 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
72 26.6 30.7 46.1#

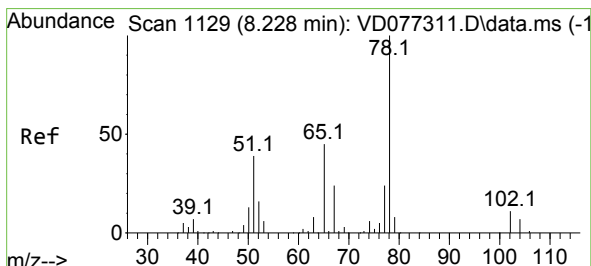
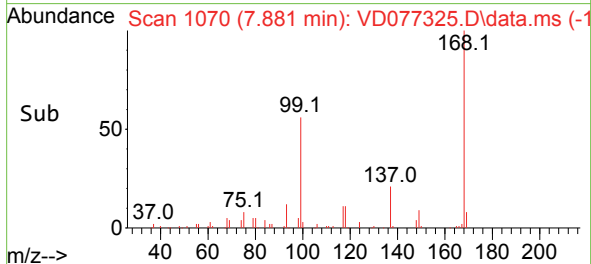
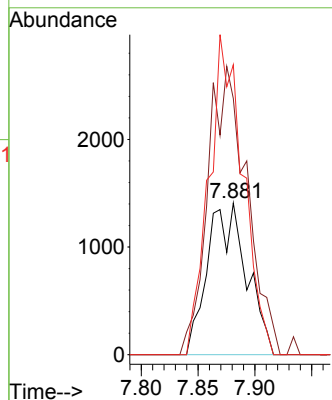
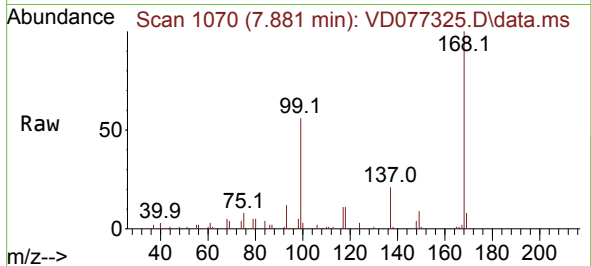




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

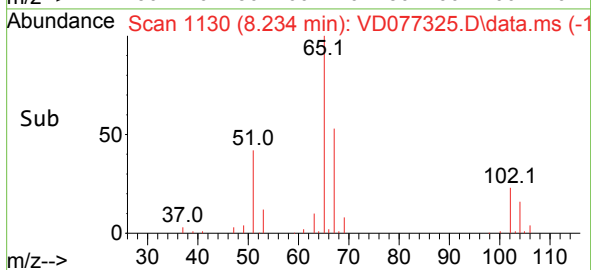
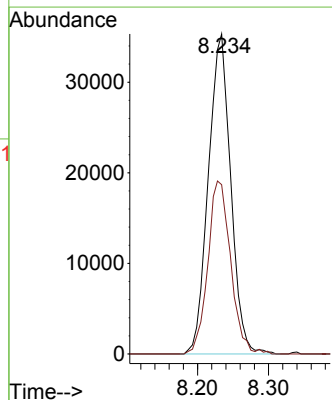
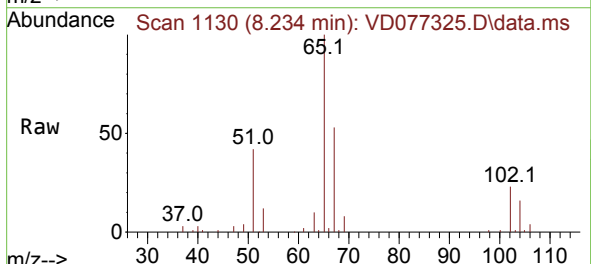
Instrument :
MSVOA_D
ClientSampleId :

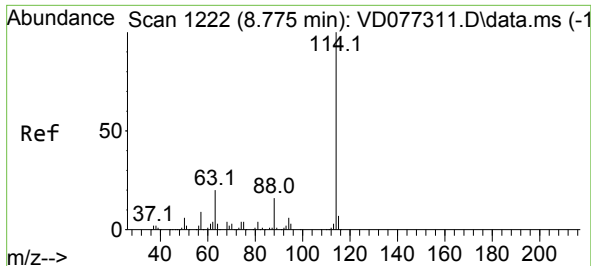
Tgt Ion: 56 Resp: 3357
Ion Ratio Lower Upper
56 100
69 168.9 28.6 43.0#
84 191.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 66.187 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Tgt Ion: 65 Resp: 77204
Ion Ratio Lower Upper
65 100
67 54.8 0.0 115.0

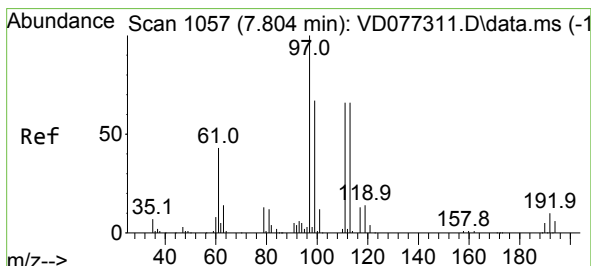
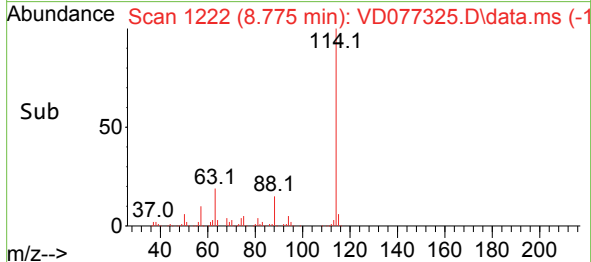
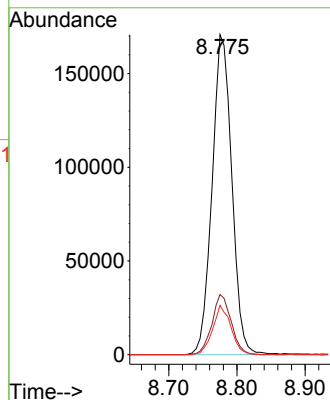
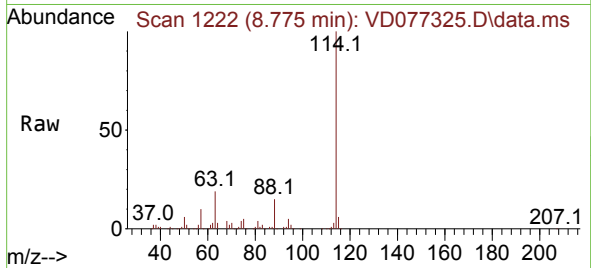




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

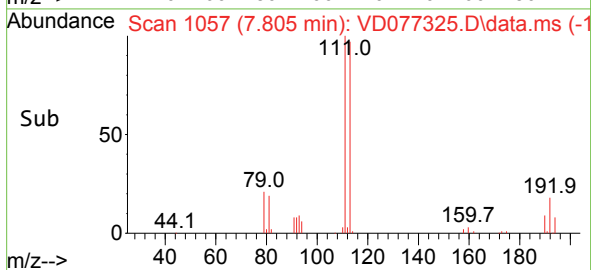
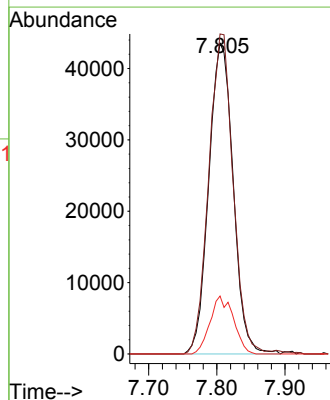
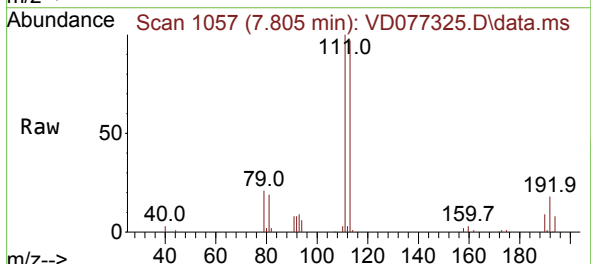
Instrument :
MSVOA_D
ClientSampleId :

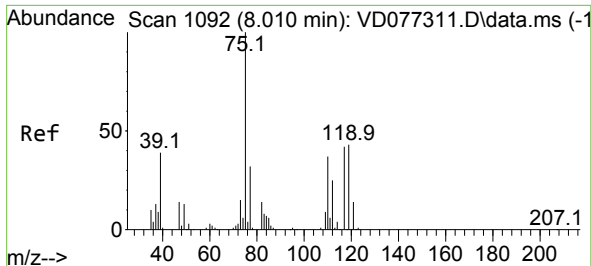
Tgt Ion:114 Resp: 343668
Ion Ratio Lower Upper
114 100
63 18.8 0.0 33.4
88 15.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 60.527 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

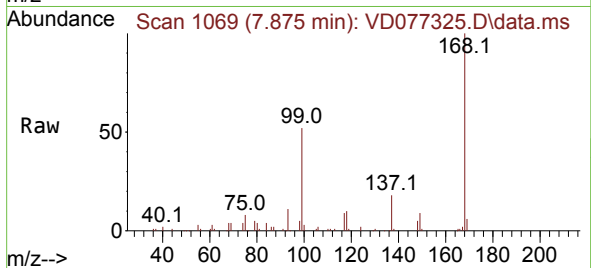
Tgt Ion:113 Resp: 108317
Ion Ratio Lower Upper
113 100
111 102.7 84.7 127.1
192 17.9 16.8 25.2



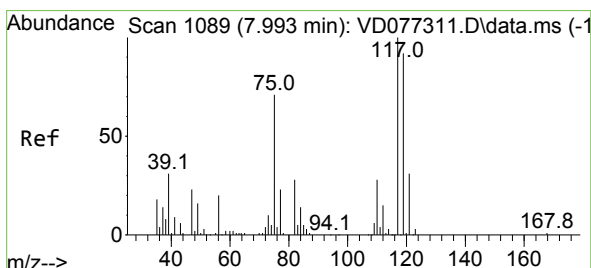
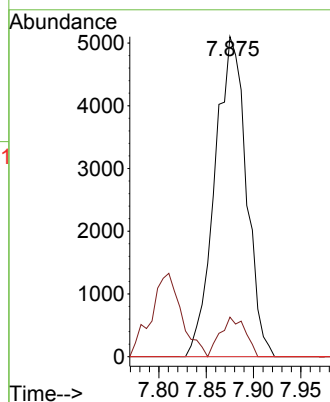
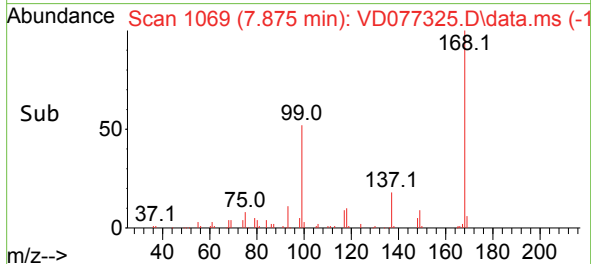


#36
 1,1-Dichloropropene
 Concen: 3.534 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD077325.D
 Acq: 12 Oct 2023 19:00

Instrument :
 MSVOA_D
 ClientSampleId :

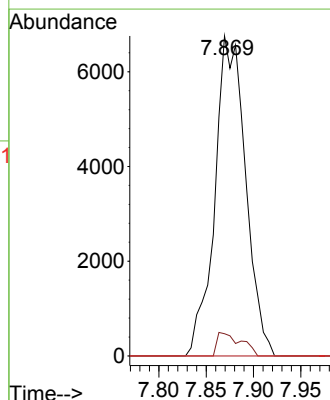
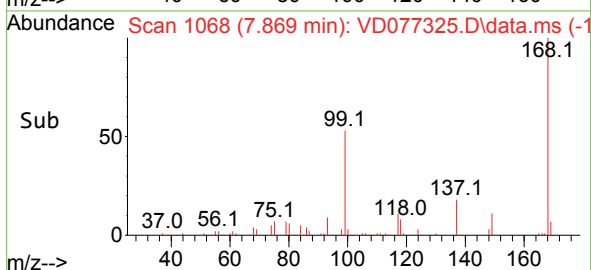
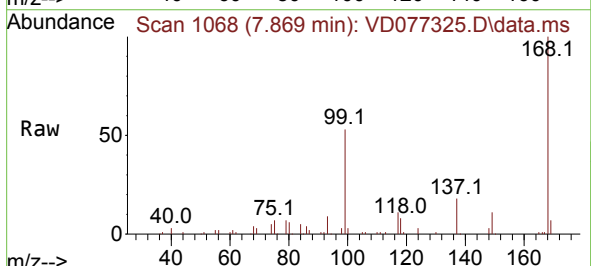


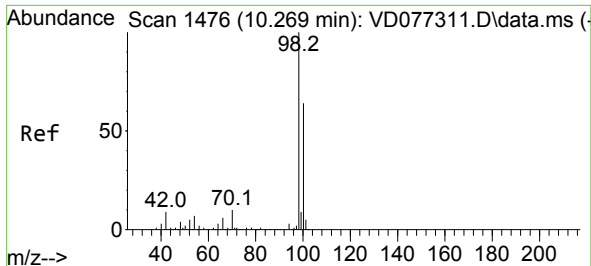
Tgt Ion: 75 Resp: 11817
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.085 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.123 min
 Lab File: VD077325.D
 Acq: 12 Oct 2023 19:00

Tgt Ion: 117 Resp: 15312
 Ion Ratio Lower Upper
 117 100
 119 7.0 78.0 117.0#
 121 0.0 24.2 36.2#

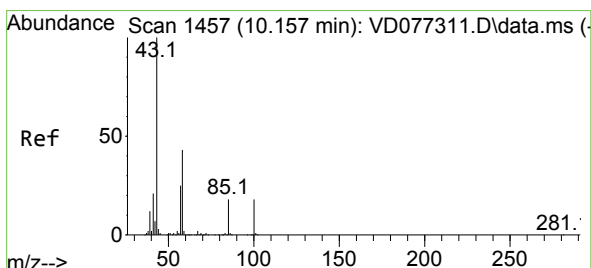
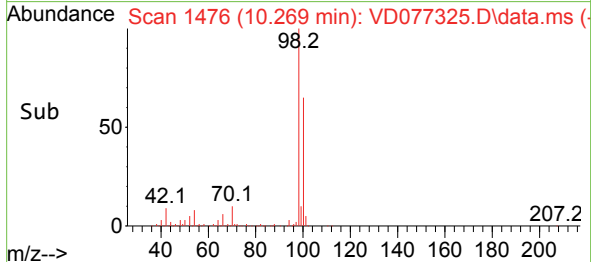
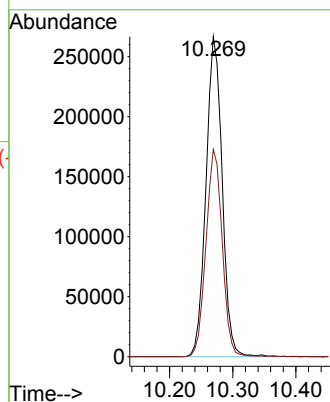
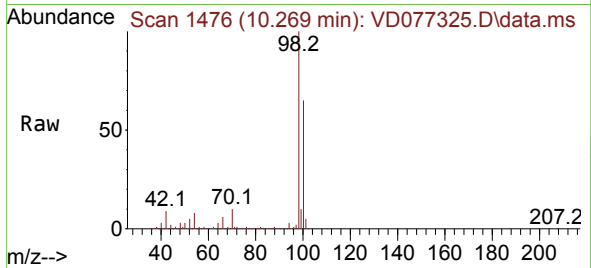




#50
Toluene-d8
Concen: 78.966 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

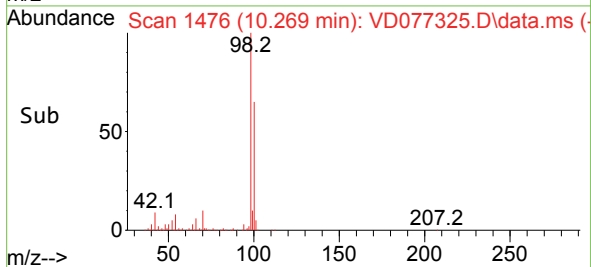
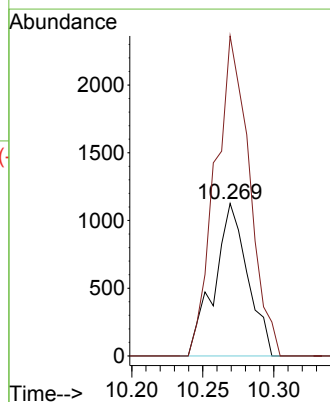
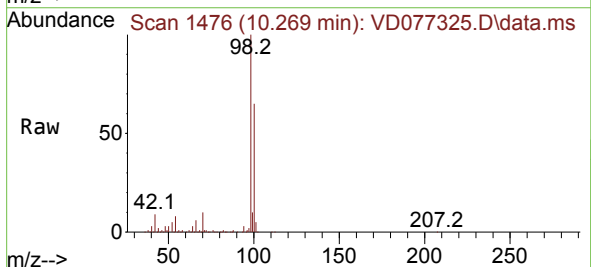
Instrument :
MSVOA_D
ClientSampleId :

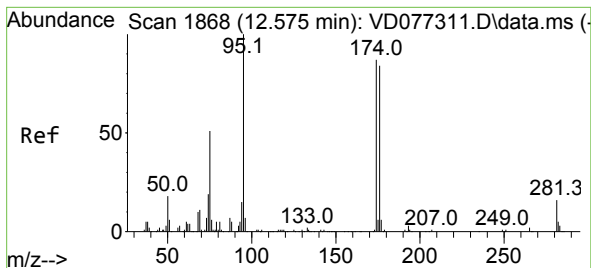
Tgt Ion: 98 Resp: 473857
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.420 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Tgt Ion: 43 Resp: 1835
Ion Ratio Lower Upper
43 100
58 216.0 38.9 58.3#

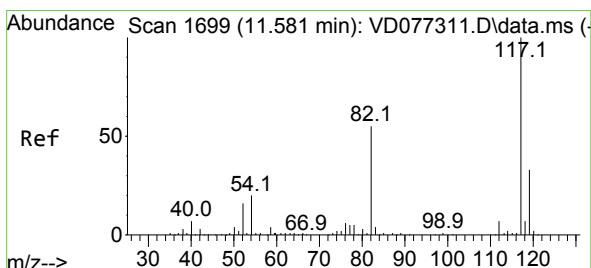
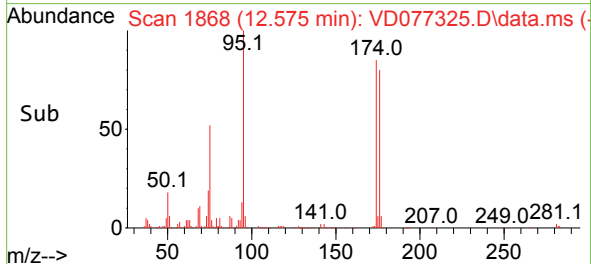
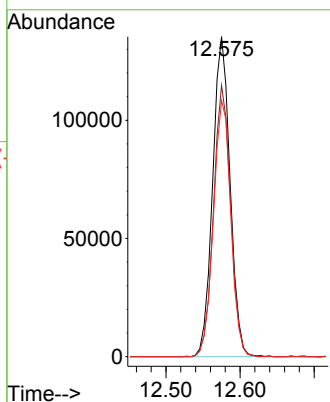
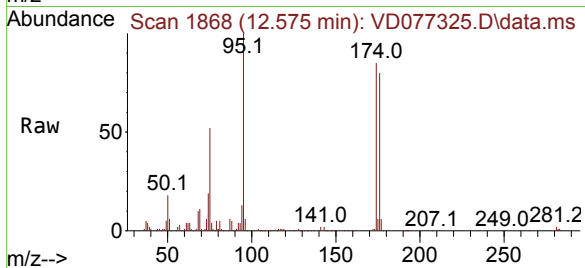




#62
4-Bromofluorobenzene
Concen: 109.181 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

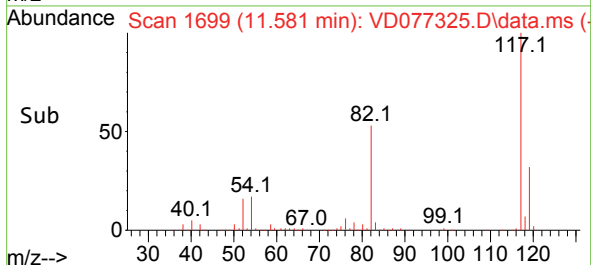
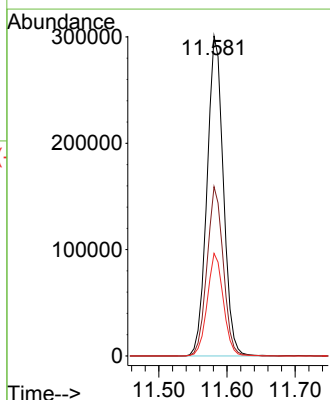
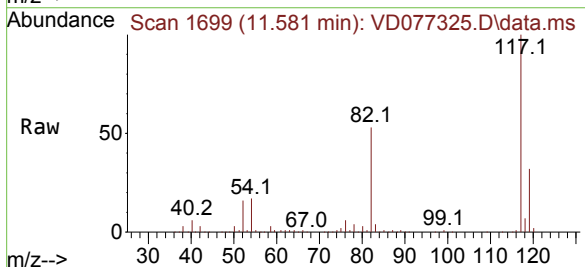
Instrument :
MSVOA_D
ClientSampleId :

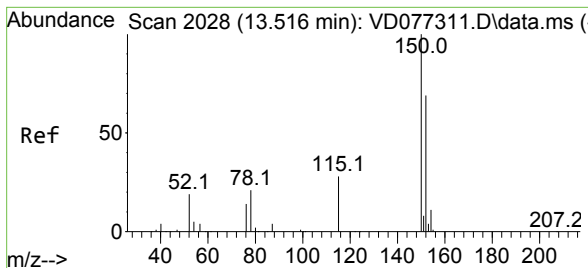
Tgt Ion: 95 Resp: 220049
Ion Ratio Lower Upper
95 100
174 83.9 0.0 201.8
176 79.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

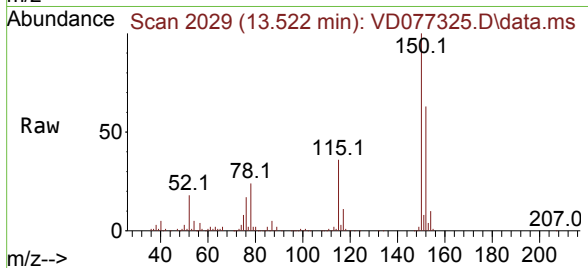
Tgt Ion: 117 Resp: 502458
Ion Ratio Lower Upper
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82 52.9 38.3 57.5
119 32.0 25.0 37.4



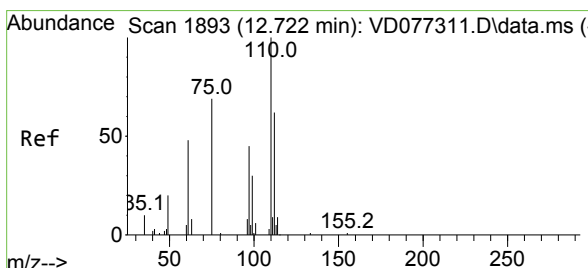
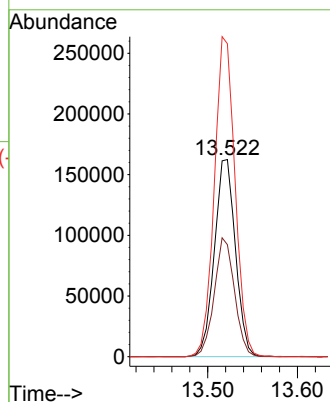
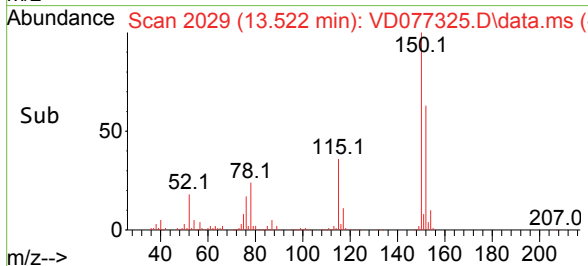


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077325.D
 Acq: 12 Oct 2023 19:00

Instrument :
 MSVOA_D
 ClientSampleId :

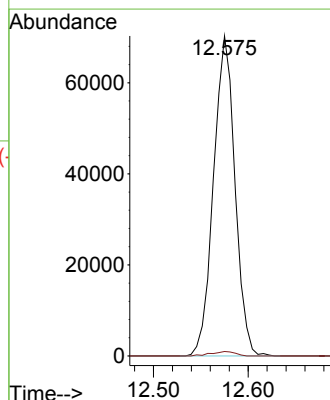
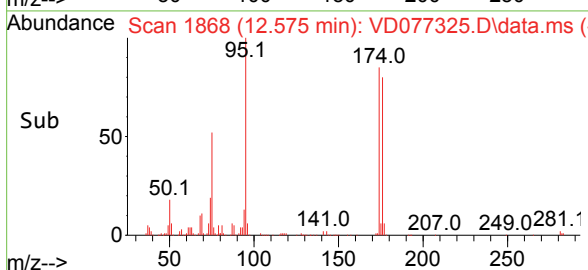
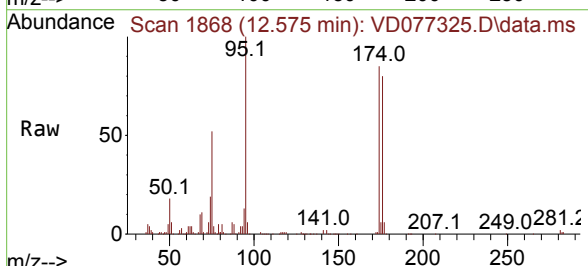


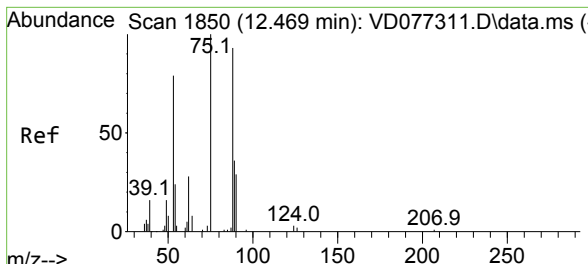
Tgt Ion:152 Resp: 264347
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.1 81.3
 150 159.6 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 40.469 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077325.D
 Acq: 12 Oct 2023 19:00

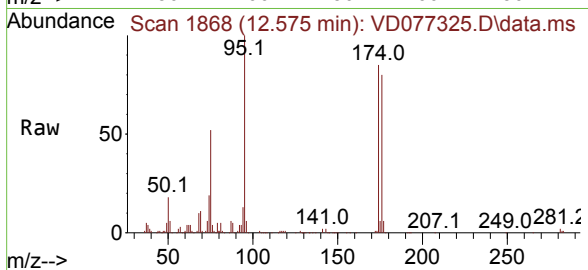
Tgt Ion: 75 Resp: 110813
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.448 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077325.D
 Acq: 12 Oct 2023 19:00

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 110813
 Ion Ratio Lower Upper
 75 100
 53 0.1 63.0 94.4#
 89 0.1 37.9 56.9#

