

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077905.D
 Acq On : 15 Dec 2023 15:56
 Operator : RP/MD
 Sample : 05790-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:03:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

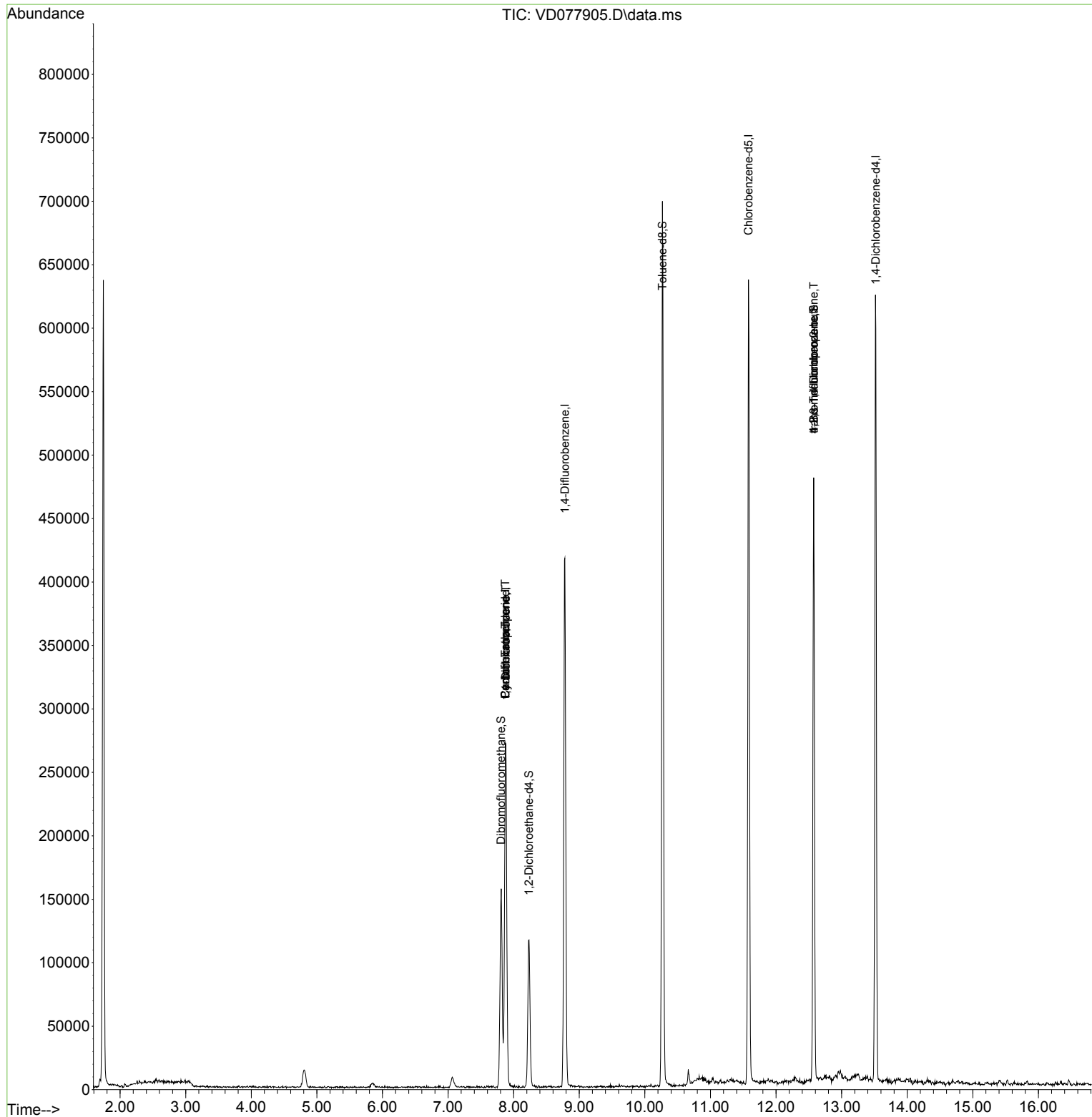
Internal Standards						
1) Pentafluorobenzene	7.875	168	214246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	383150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	364772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	166365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	92573	36.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.340%
35) Dibromofluoromethane	7.810	113	110724	41.256	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.520%
50) Toluene-d8	10.269	98	480934	44.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.480%
62) 4-Bromofluorobenzene	12.575	95	142602	44.373	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	68	Below Cal	#	73
16) Acetone	4.016	43	157	Below Cal	#	32
20) Methylene Chloride	4.805	84	11796	Below Cal	#	92
25) 2-Butanone	7.069	43	377	Below Cal	#	37
31) Cyclohexane	7.875	56	4505	1.003	ug/l #	15
36) 1,1-Dichloropropene	7.881	75	17084	3.980	ug/l #	47
38) Carbon Tetrachloride	7.875	117	21036	4.915	ug/l #	15
65) Chlorobenzene	11.581	112	71	Below Cal	#	13
76) 1,2,3-Trichloropropane	12.575	75	75987	52.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	75987	106.551	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	509	Below Cal	#	76

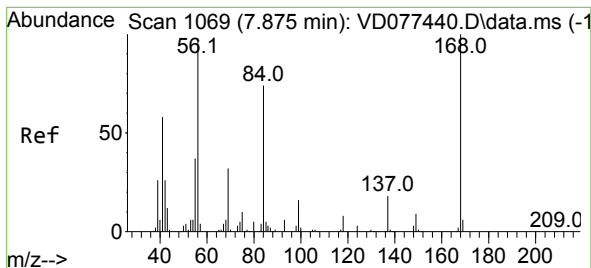
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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: VD077905.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_D

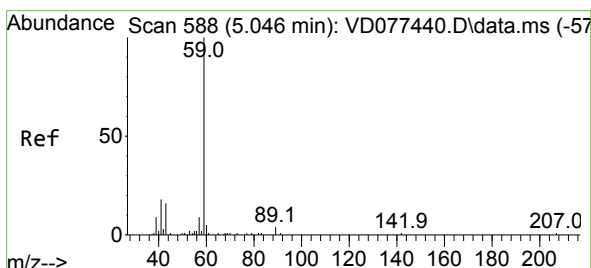
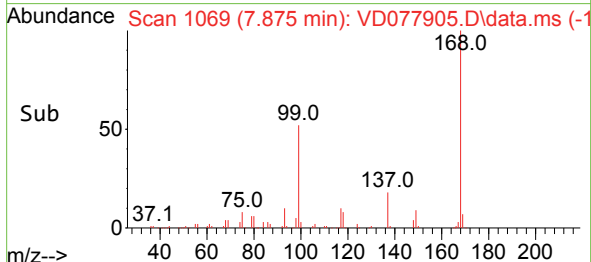
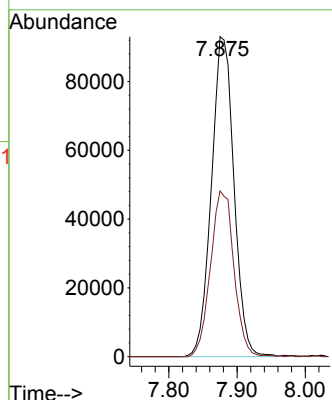
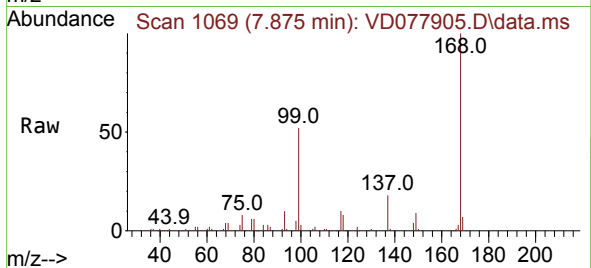
ClientSampleId :

Tgt Ion:168 Resp: 214246

Ion Ratio Lower Upper

168 100

99 51.8 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.046 min Scan# 588

Delta R.T. -0.000 min

Lab File: VD077905.D

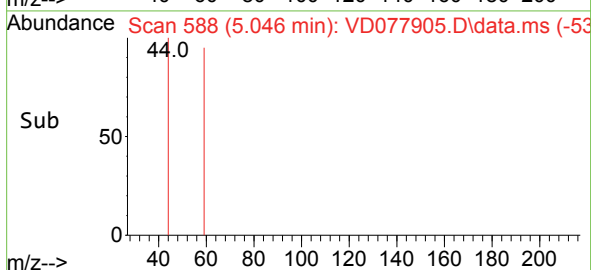
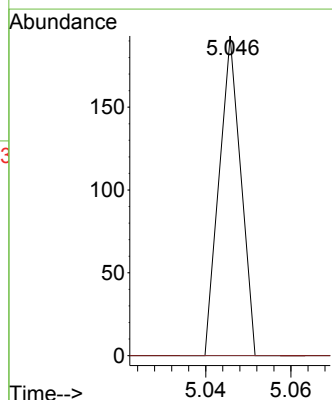
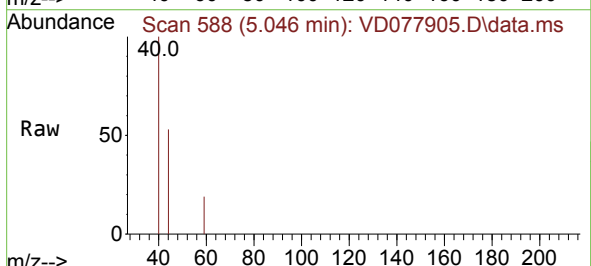
Acq: 15 Dec 2023 15:56

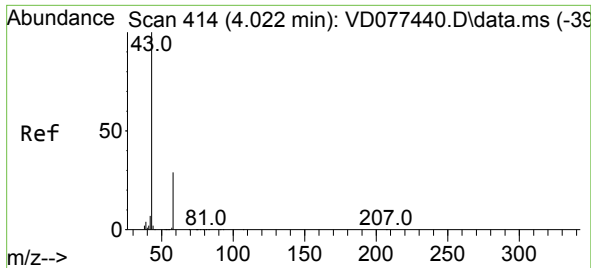
Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

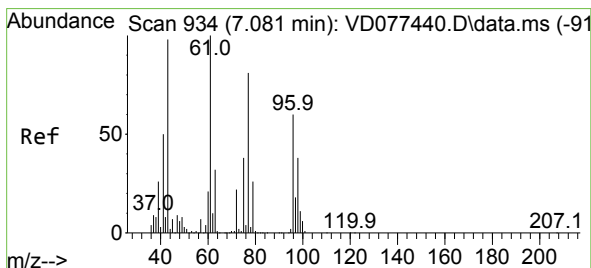
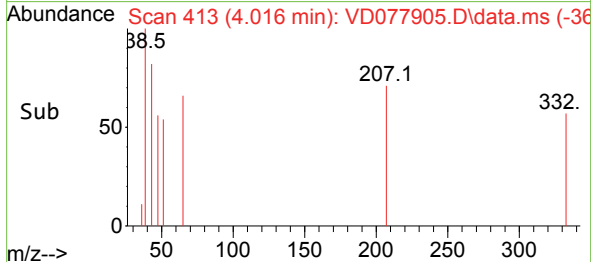
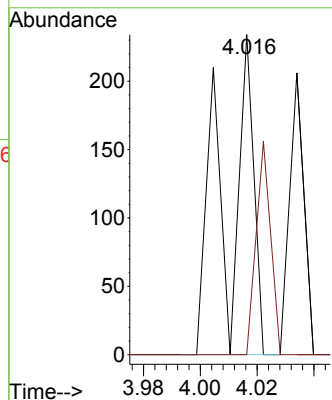
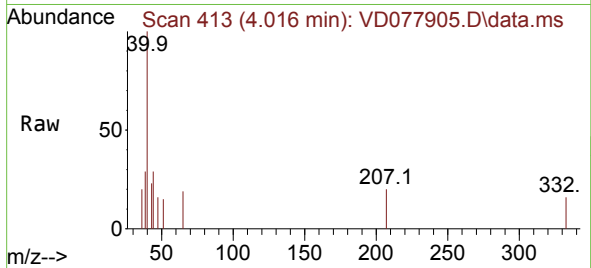




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

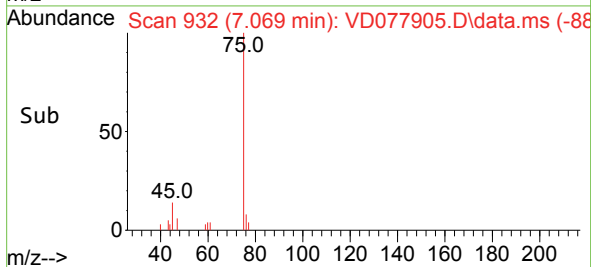
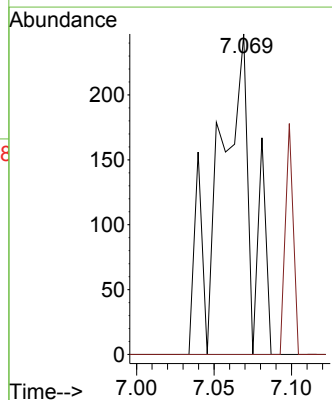
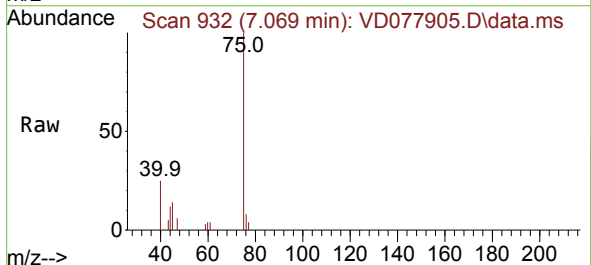
Instrument :
MSVOA_D
ClientSampleId :

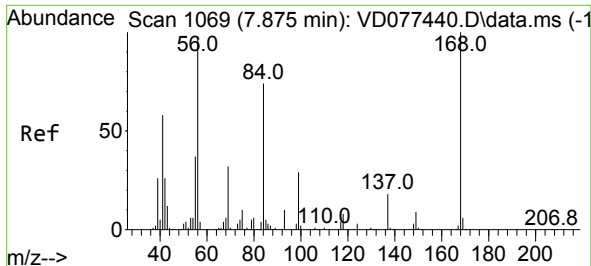
Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

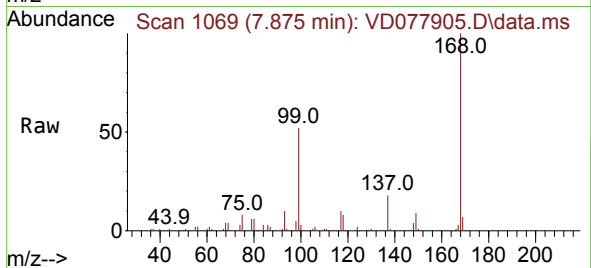
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



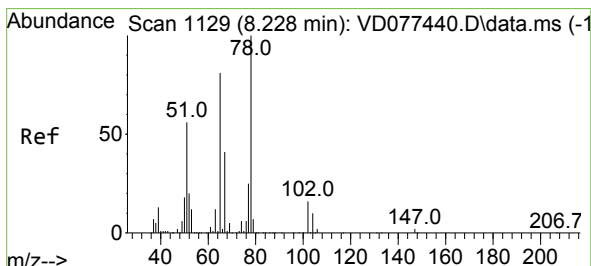
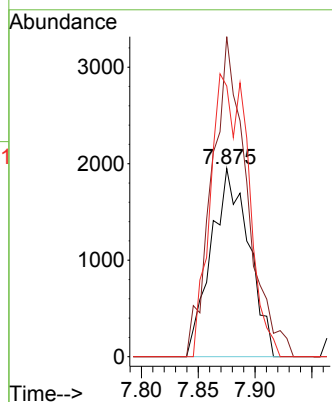
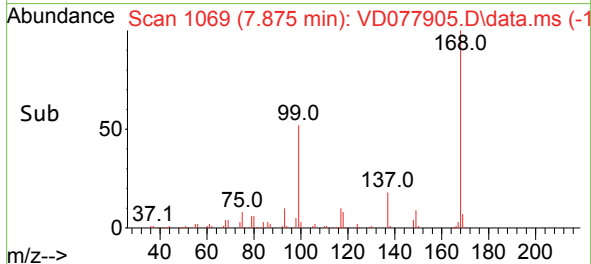


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.875 min Scan# 110
Delta R.T. -0.000 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

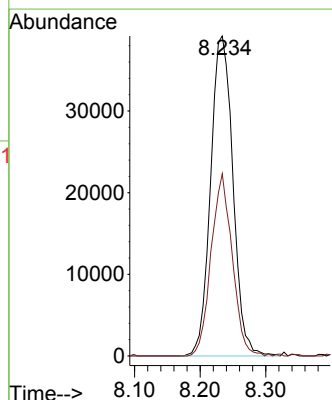
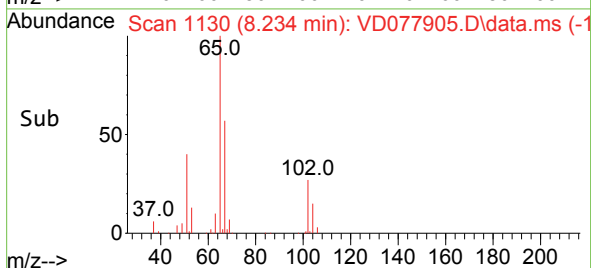
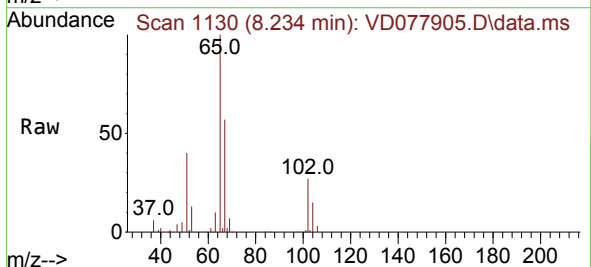


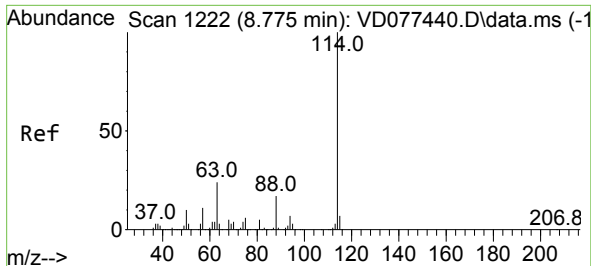
Tgt Ion: 56 Resp: 4505
Ion Ratio Lower Upper
56 100
69 170.1 28.6 43.0#
84 143.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 36.669 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 65 Resp: 92573
Ion Ratio Lower Upper
65 100
67 53.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077905.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

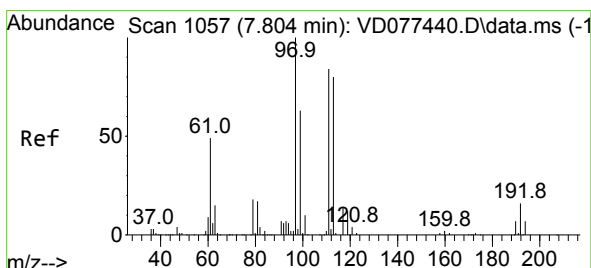
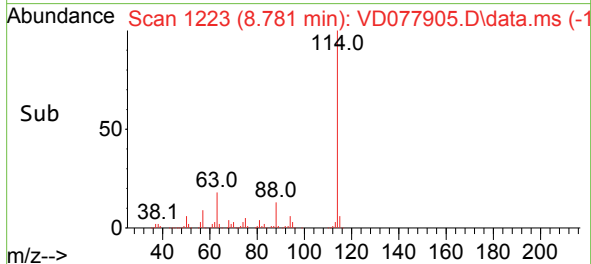
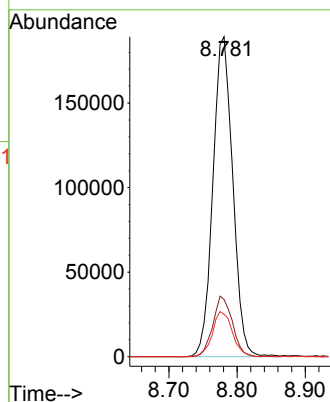
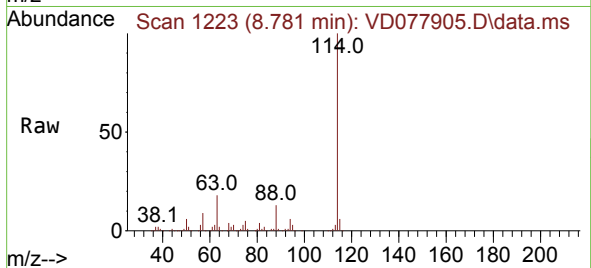
Tgt Ion:114 Resp: 383150

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.256 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077905.D

Acq: 15 Dec 2023 15:56

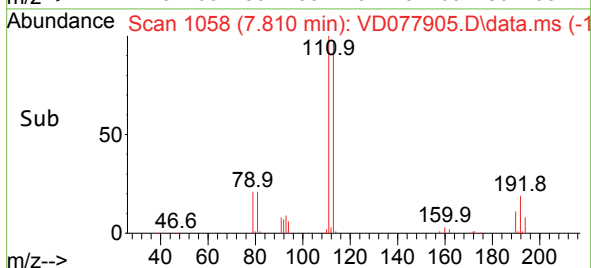
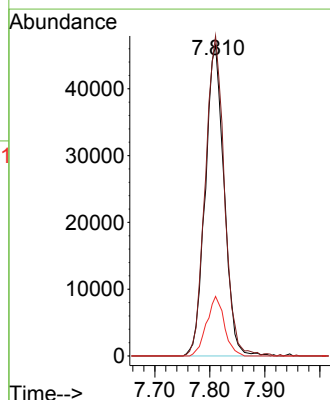
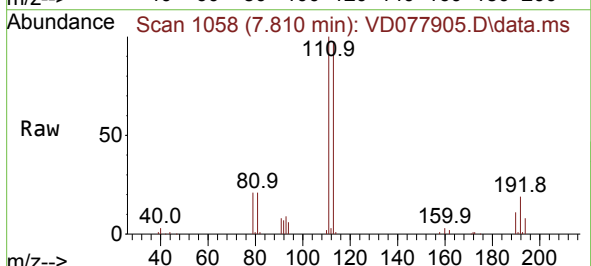
Tgt Ion:113 Resp: 110724

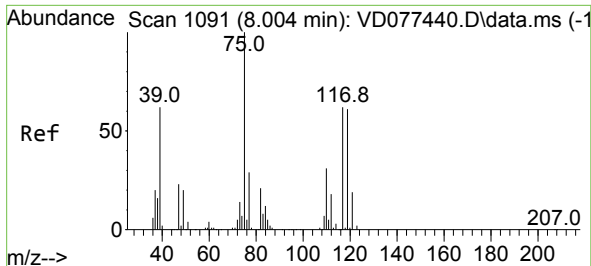
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.1 16.8 25.2

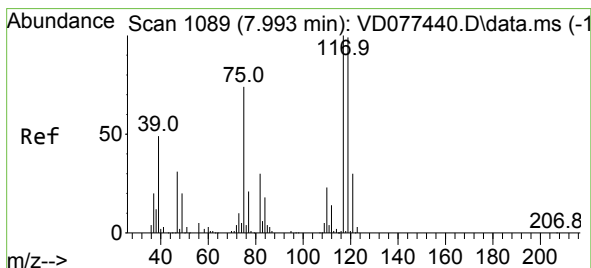
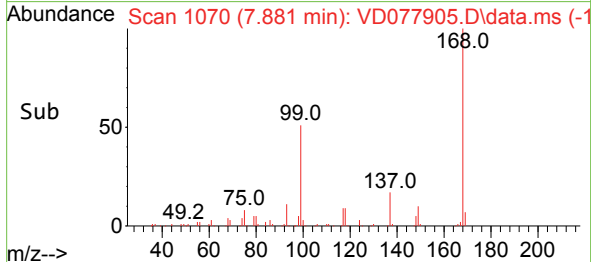
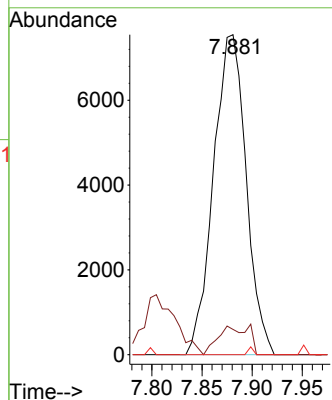
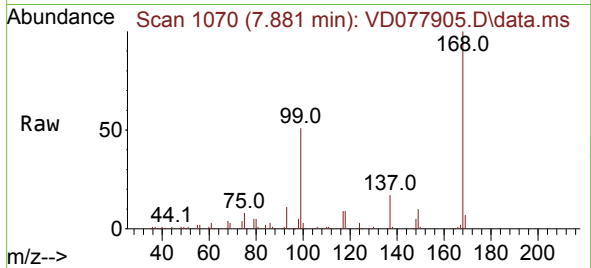




#36
1,1-Dichloropropene
Concen: 3.980 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

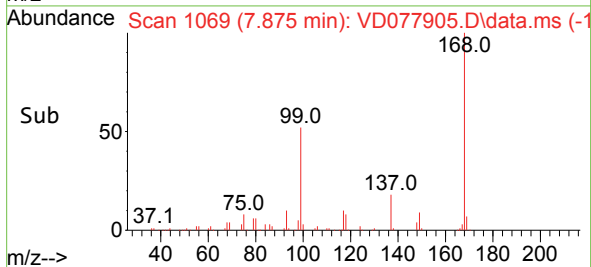
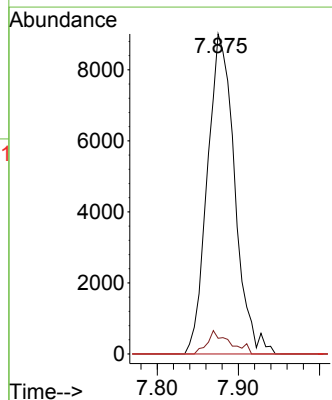
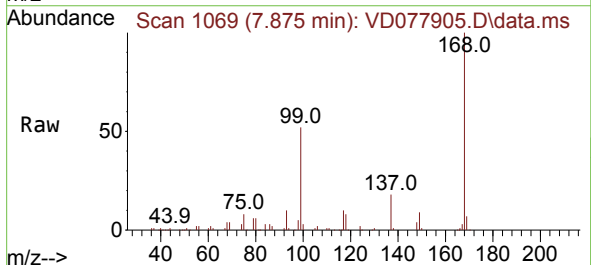
Instrument :
MSVOA_D
ClientSampleId :

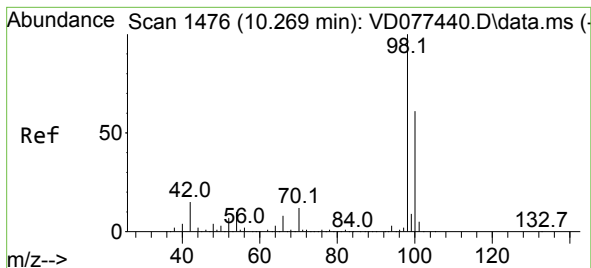
Tgt Ion: 75 Resp: 17084
Ion Ratio Lower Upper
75 100
110 8.4 19.9 59.6#
77 0.4 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.915 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 117 Resp: 21036
Ion Ratio Lower Upper
117 100
119 4.9 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.742 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077905.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_D

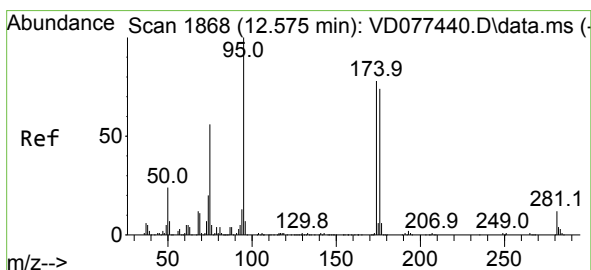
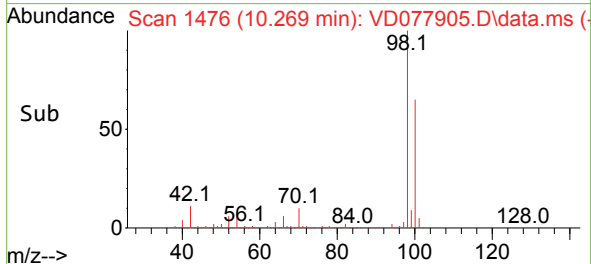
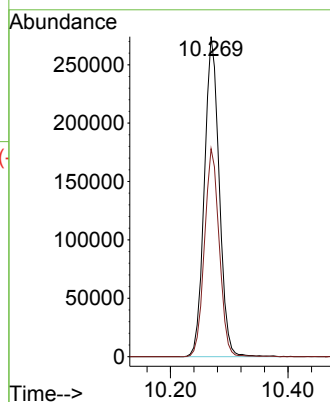
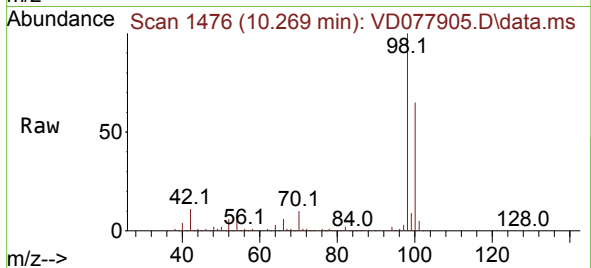
ClientSampleId :

Tgt Ion: 98 Resp: 480934

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 44.373 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077905.D

Acq: 15 Dec 2023 15:56

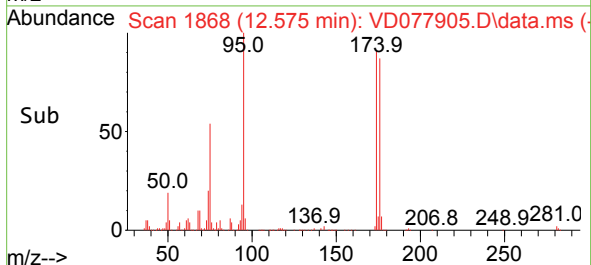
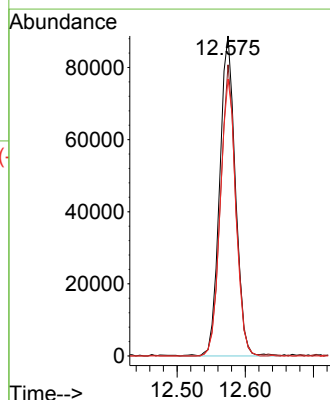
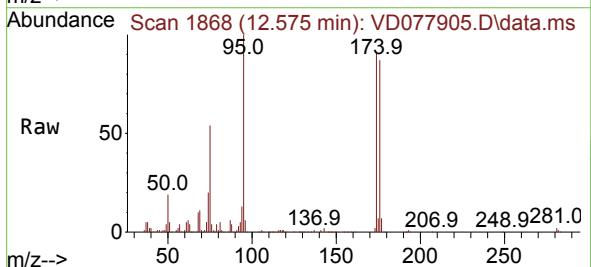
Tgt Ion: 95 Resp: 142602

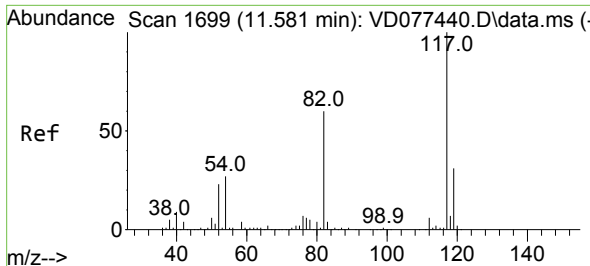
Ion Ratio Lower Upper

95 100

174 87.8 0.0 201.8

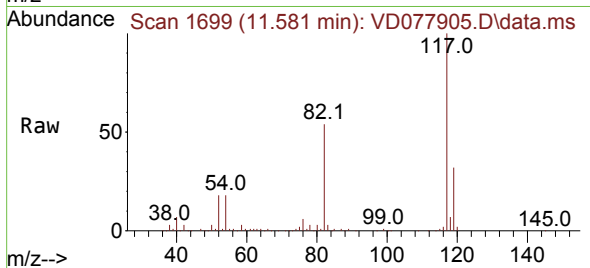
176 85.6 0.0 191.8



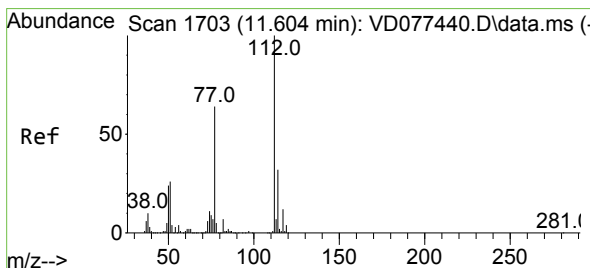
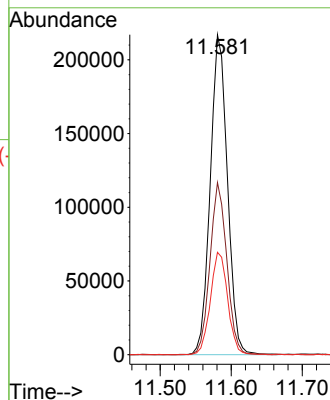
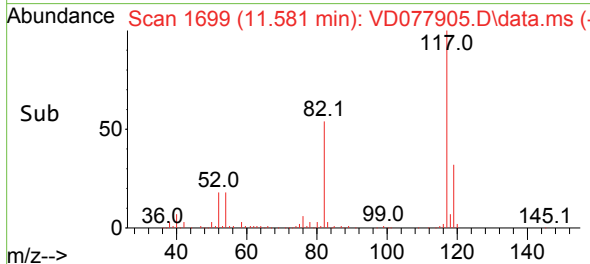


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

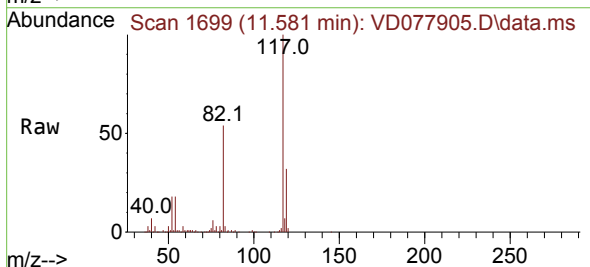
Instrument :
MSVOA_D
ClientSampleId :



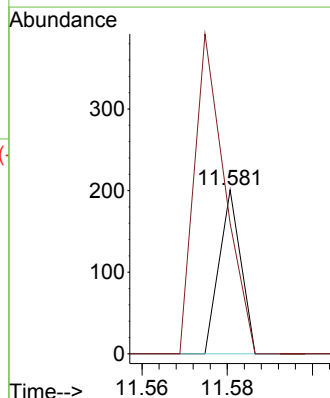
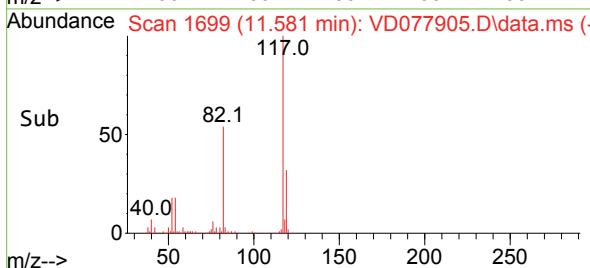
Tgt Ion:117 Resp: 364772
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 32.0 25.0 37.4

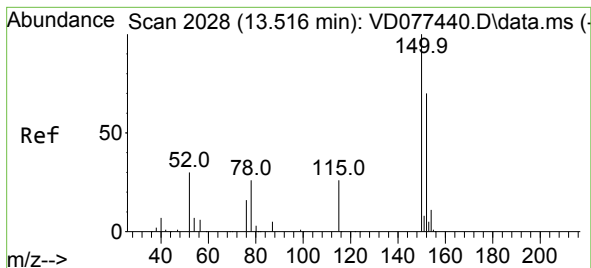


#65
Chlorobenzene
Concen: Below Cal
RT: 11.581 min Scan# 1699
Delta R.T. -0.023 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56



Tgt Ion:112 Resp: 71
Ion Ratio Lower Upper
112 100
114 79.6 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077905.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

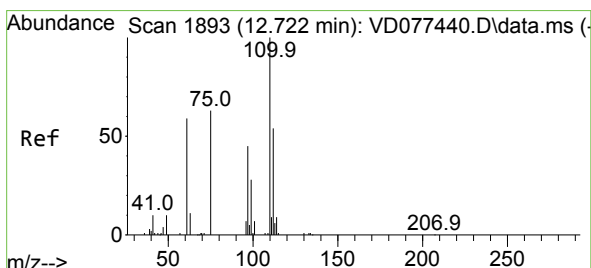
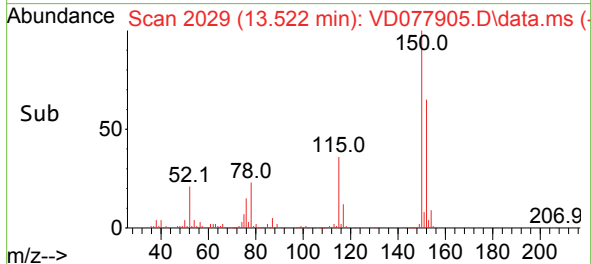
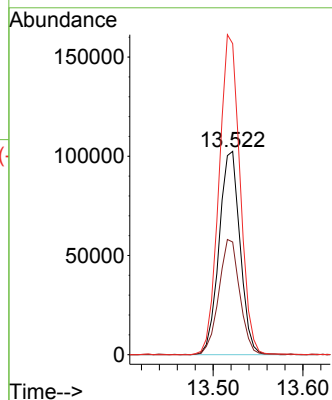
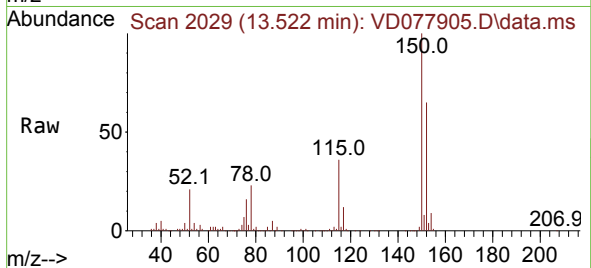
Tgt Ion:152 Resp: 166365

Ion Ratio Lower Upper

152 100

115 56.9 27.1 81.3

150 158.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.590 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077905.D

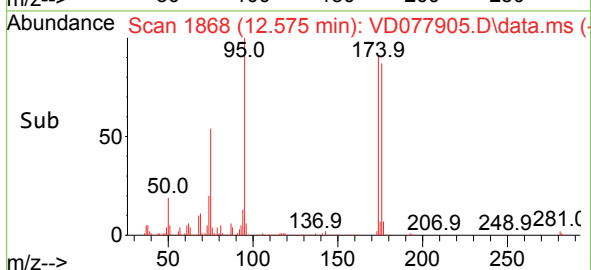
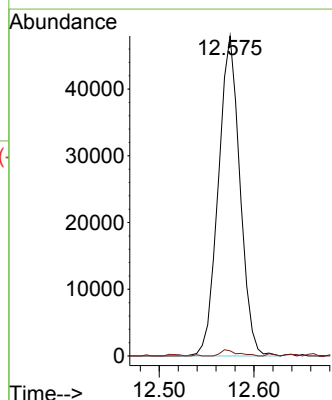
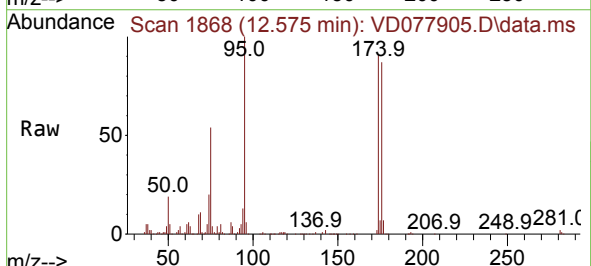
Acq: 15 Dec 2023 15:56

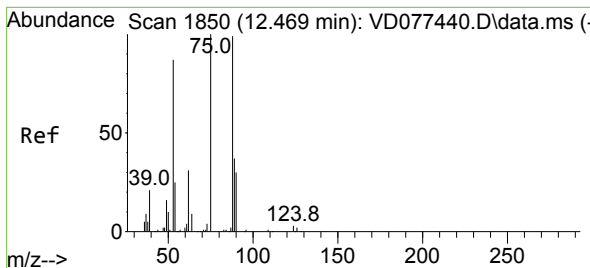
Tgt Ion: 75 Resp: 75987

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

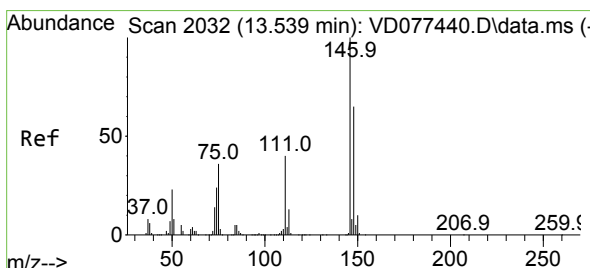
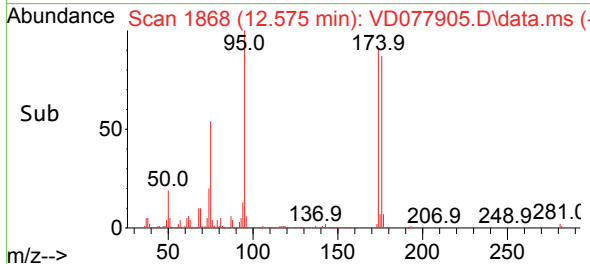
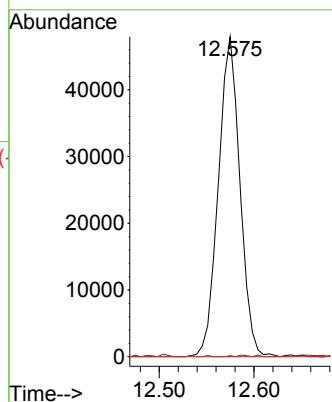
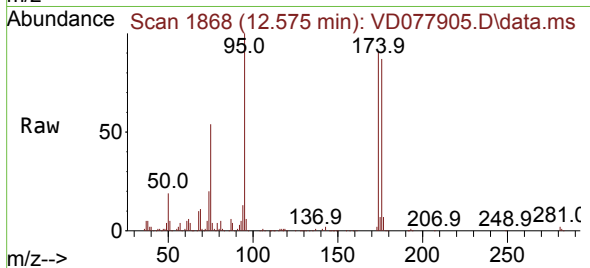




#81
trans-1,4-Dichloro-2-butene
Concen: 106.551 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 75987
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077905.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 146 Resp: 509
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 66.8 31.7 95.1

