

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077918.D
 Acq On : 16 Dec 2023 00:02
 Operator : RP/MD
 Sample : 05758-10
 Misc : 4.34G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:11:13 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)

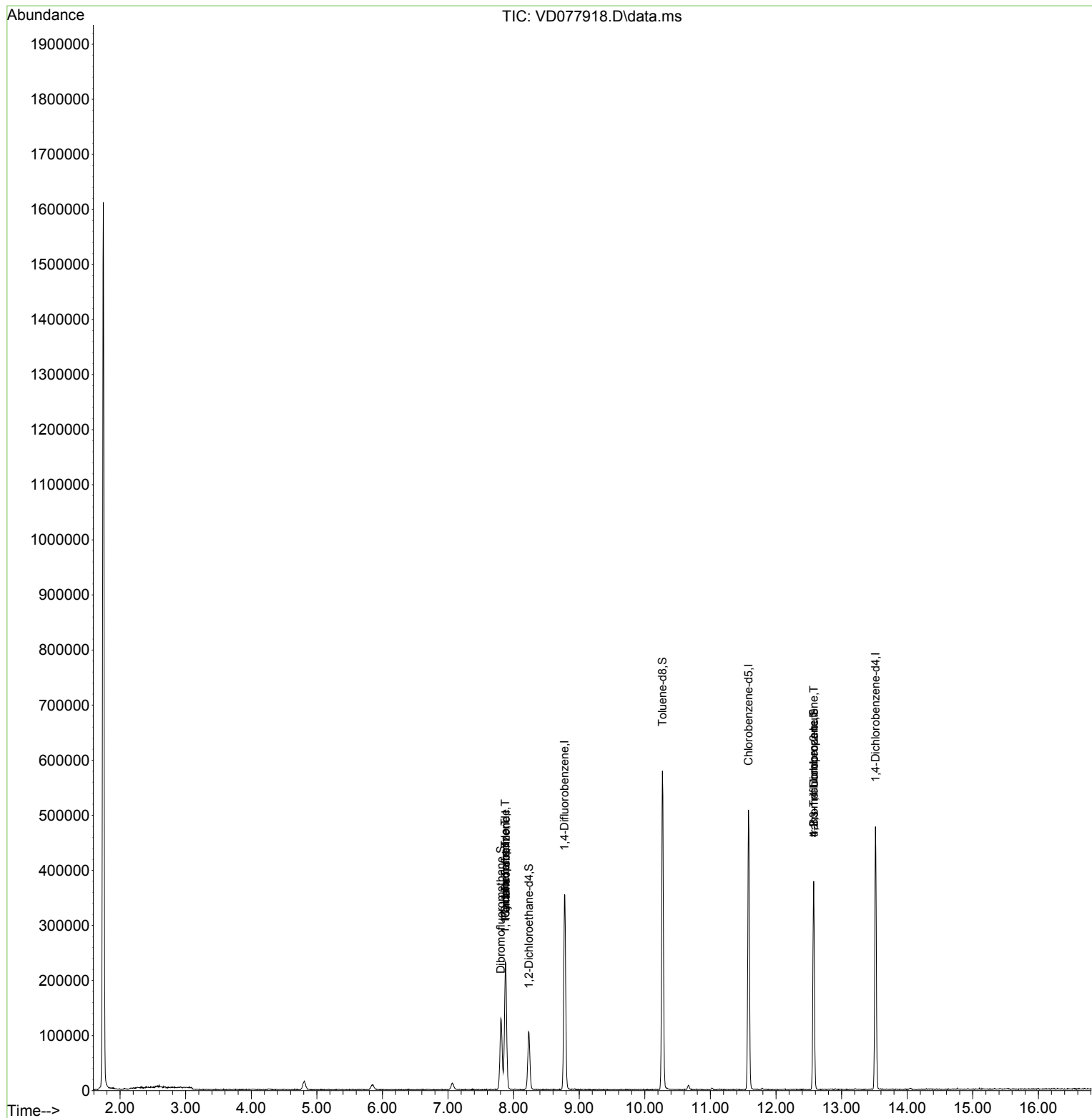
Internal Standards						
1) Pentafluorobenzene	7.881	168	179658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	292074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80338	37.949	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.900%		
35) Dibromofluoromethane	7.805	113	94885	41.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.860%		
50) Toluene-d8	10.269	98	403949	44.569	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.575	95	107644	39.725	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.460%		
Target Compounds						
11) Tert butyl alcohol	5.305	59	59	Below Cal	#	1
16) Acetone	4.028	43	1554	Below Cal	#	32
20) Methylene Chloride	4.811	84	11799	Below Cal	#	88
25) 2-Butanone	7.093	43	418	Below Cal	#	37
31) Cyclohexane	7.875	56	4165	1.106	ug/l #	3
36) 1,1-Dichloropropene	7.869	75	14628	4.041	ug/l #	48
38) Carbon Tetrachloride	7.875	117	18455	5.114	ug/l #	15
65) Chlorobenzene	11.599	112	148	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	58570	54.177	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58570	109.767	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	785	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.216	75	55	Below Cal	#	1

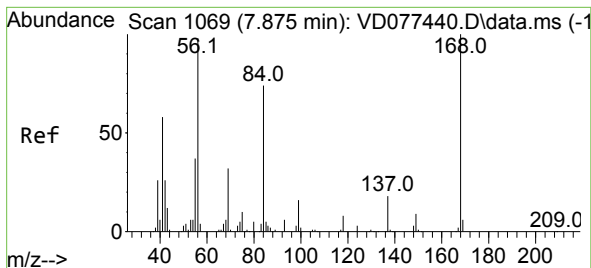
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077918.D

Acq: 16 Dec 2023 00:02

Instrument :

MSVOA_D

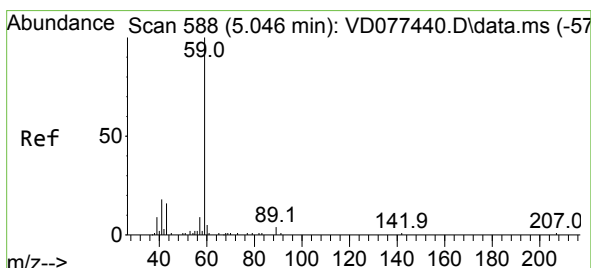
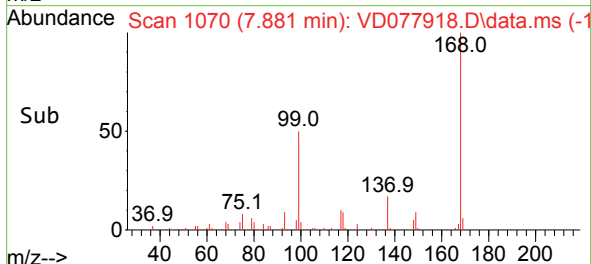
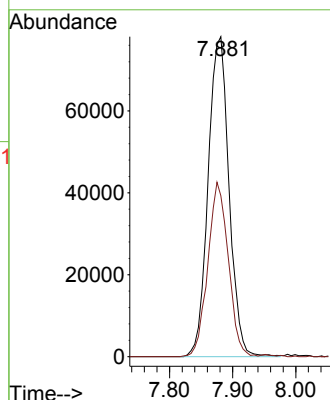
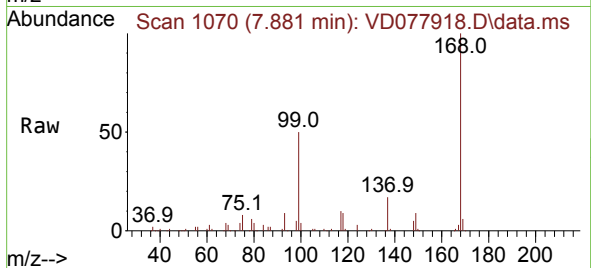
ClientSampleId :

Tgt Ion:168 Resp: 179658

Ion Ratio Lower Upper

168 100

99 50.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.305 min Scan# 632

Delta R.T. 0.259 min

Lab File: VD077918.D

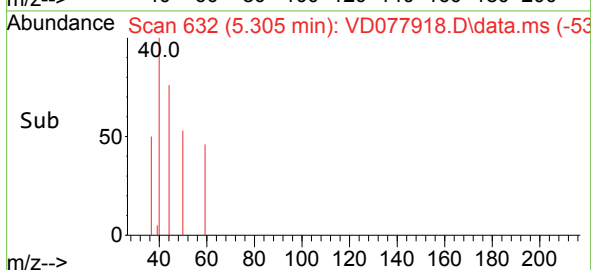
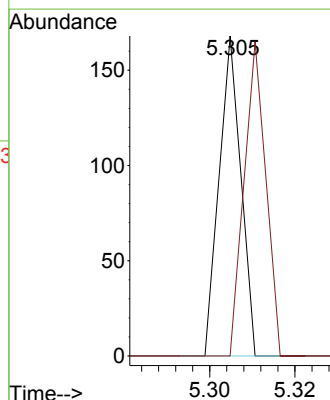
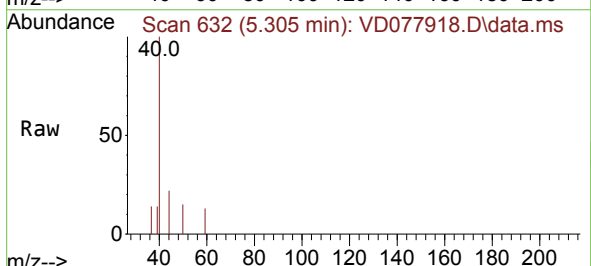
Acq: 16 Dec 2023 00:02

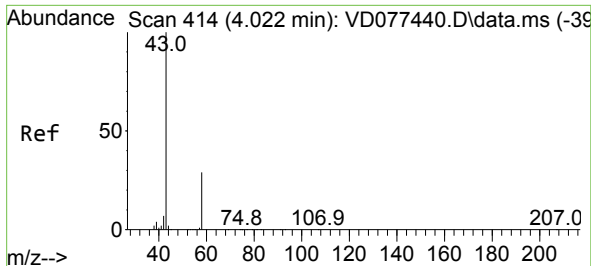
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 98.3 7.8 11.8#

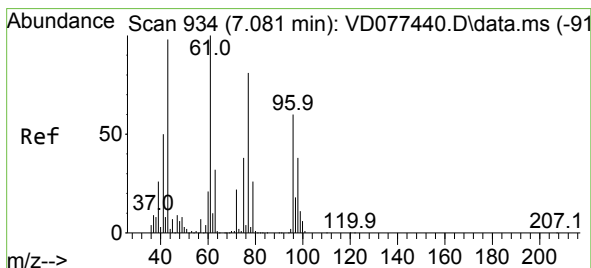
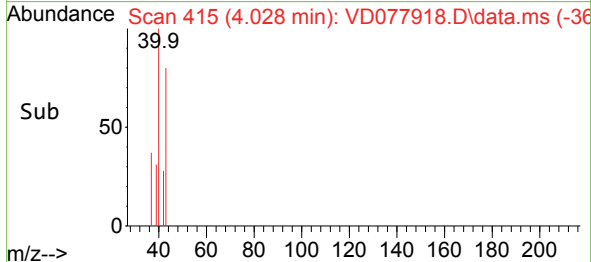
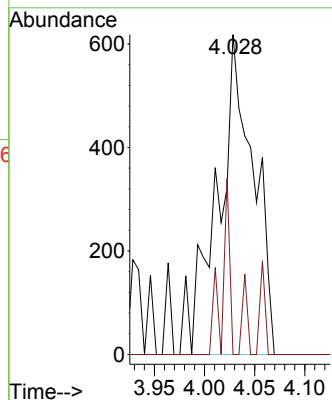
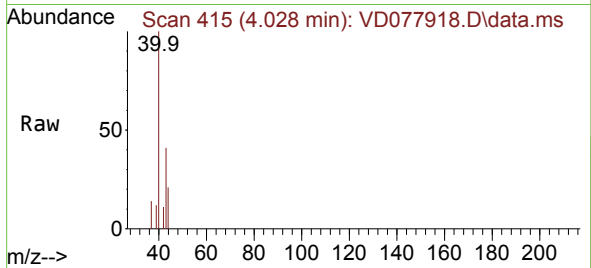




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

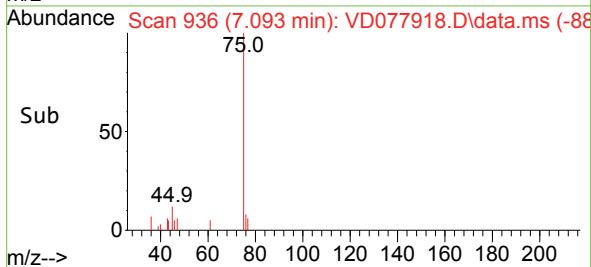
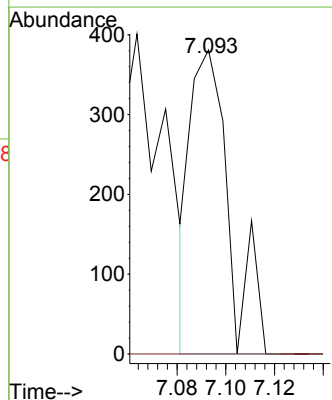
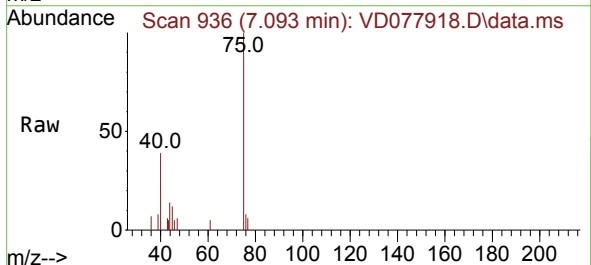
Instrument :
MSVOA_D
ClientSampleId :

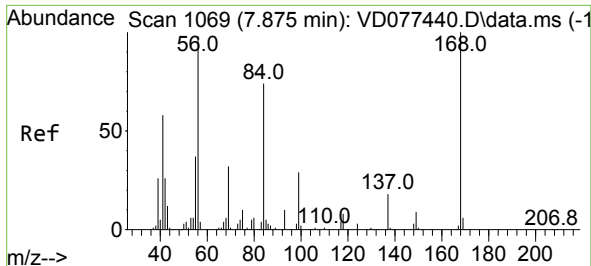
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

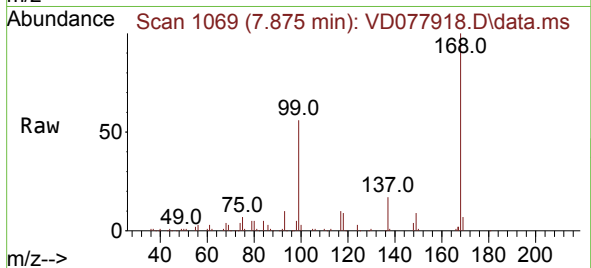
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



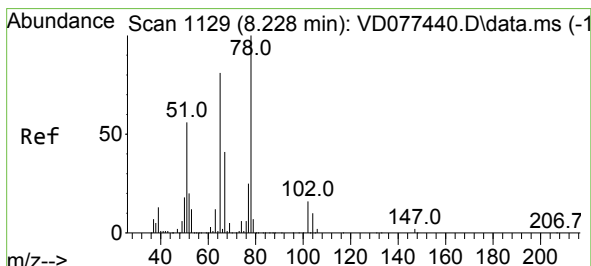
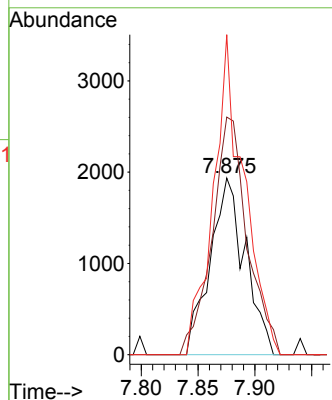
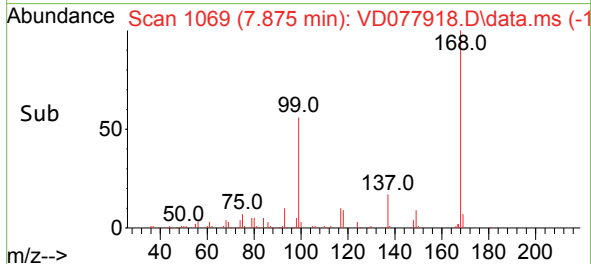


#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Instrument :
MSVOA_D
ClientSampleId :

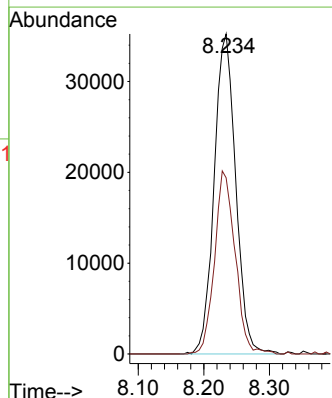
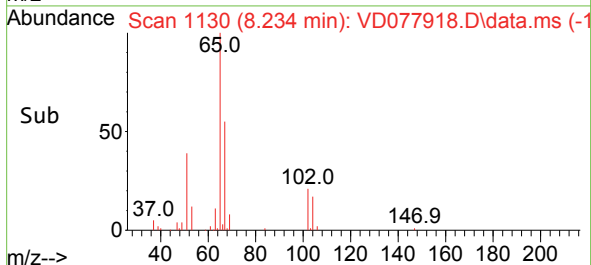
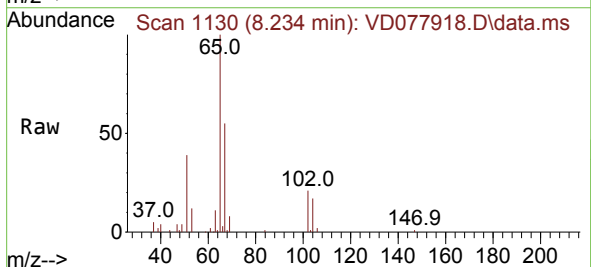


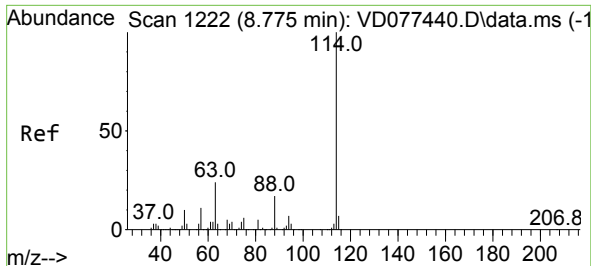
Tgt Ion: 56 Resp: 4165
Ion Ratio Lower Upper
56 100
69 134.5 28.6 43.0#
84 181.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 37.949 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Tgt Ion: 65 Resp: 80338
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0

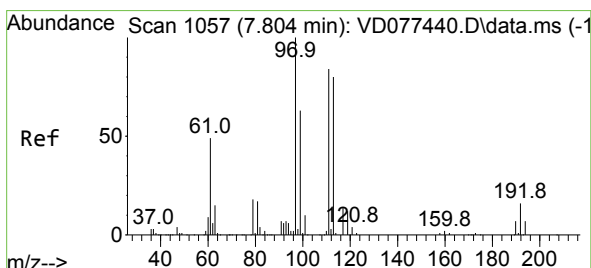
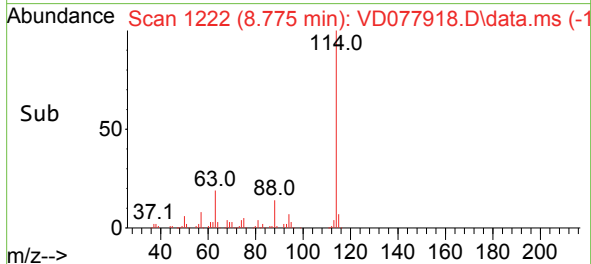
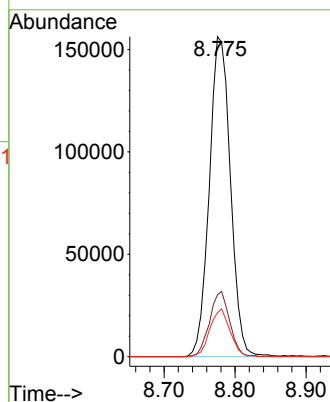
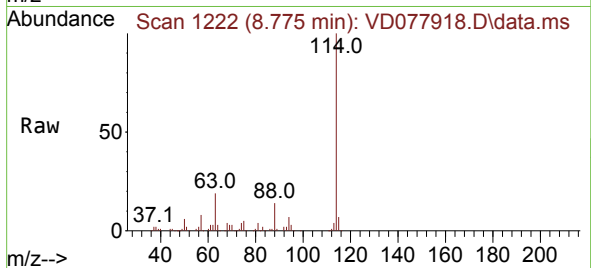




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

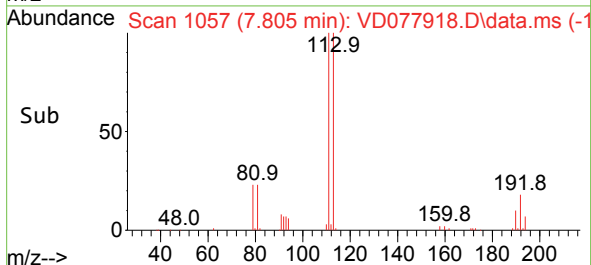
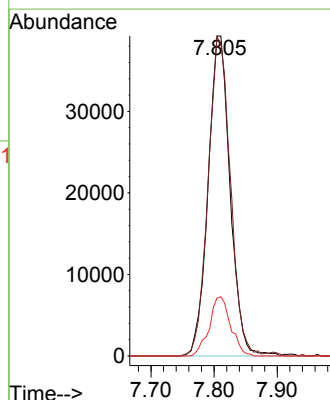
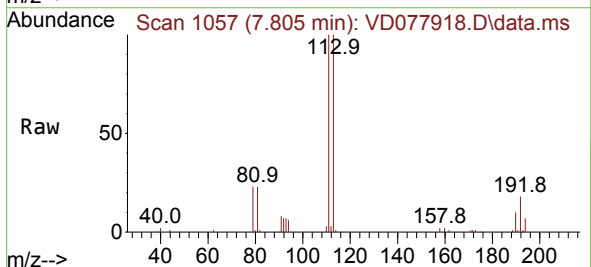
Instrument :
MSVOA_D
ClientSampleId :

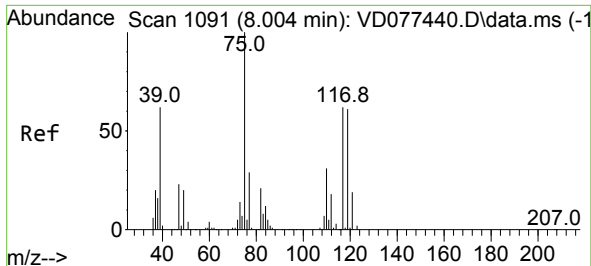
Tgt Ion:114 Resp: 323063
Ion Ratio Lower Upper
114 100
63 19.3 0.0 33.4
88 13.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 41.930 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Tgt Ion:113 Resp: 94885
Ion Ratio Lower Upper
113 100
111 101.0 84.7 127.1
192 18.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.041 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

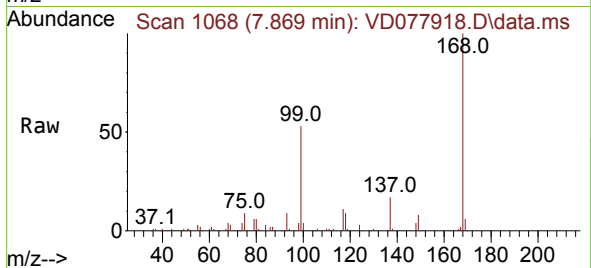
Lab File: VD077918.D

Acq: 16 Dec 2023 00:02

Instrument :

MSVOA_D

ClientSampleId :



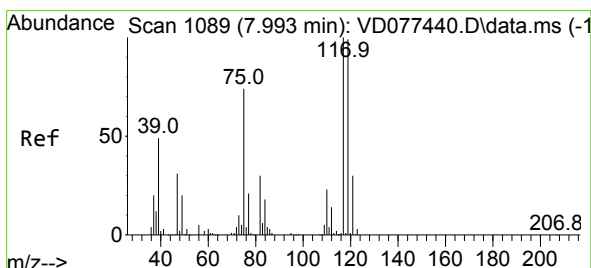
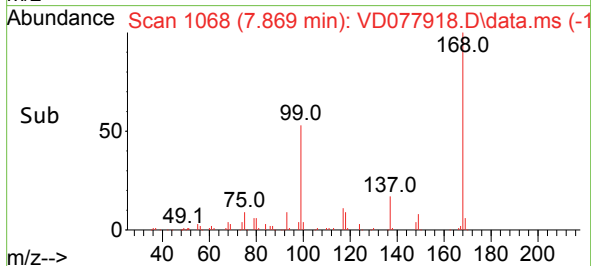
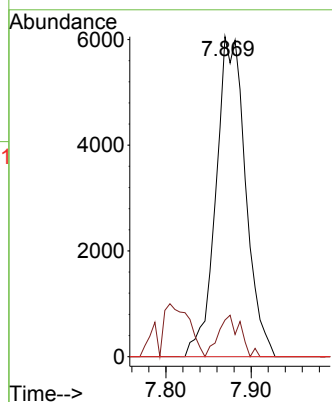
Tgt Ion: 75 Resp: 14628

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.114 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077918.D

Acq: 16 Dec 2023 00:02

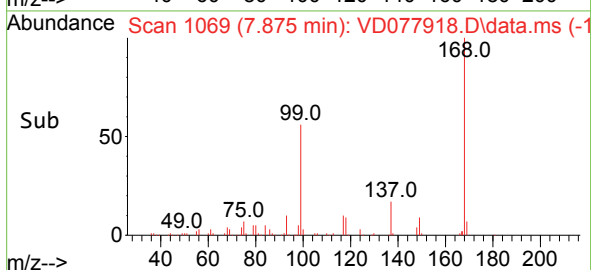
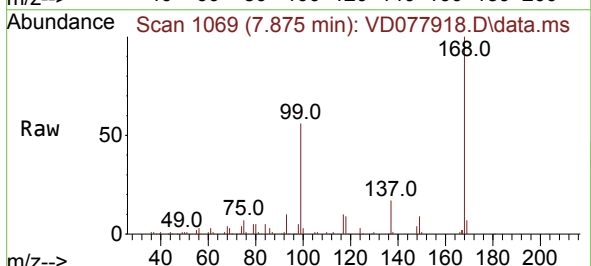
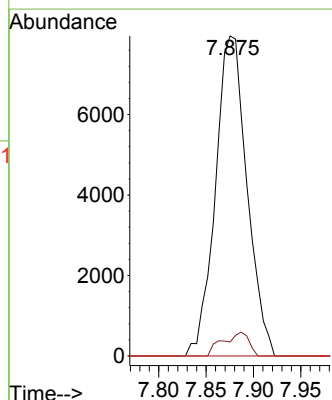
Tgt Ion: 117 Resp: 18455

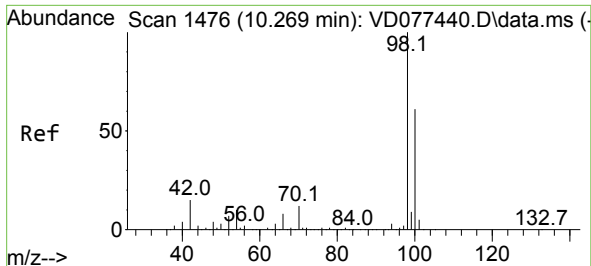
Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 24.2 36.2#

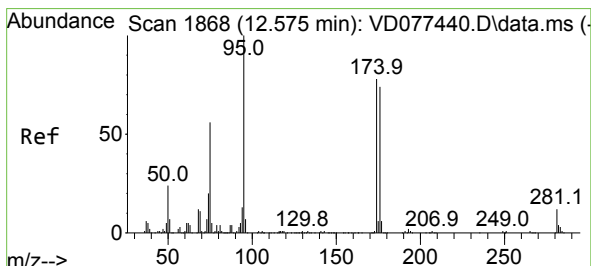
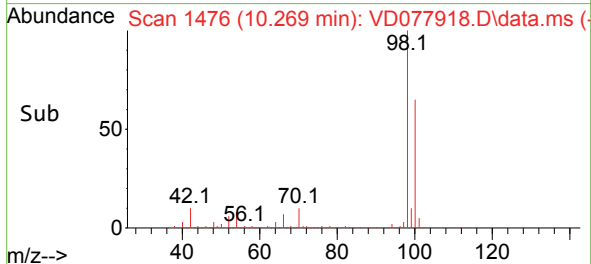
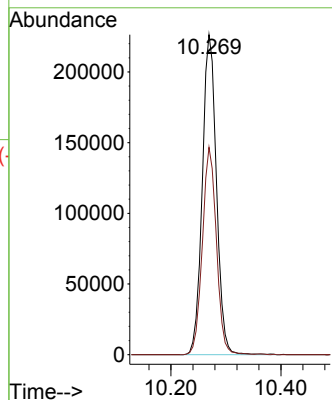
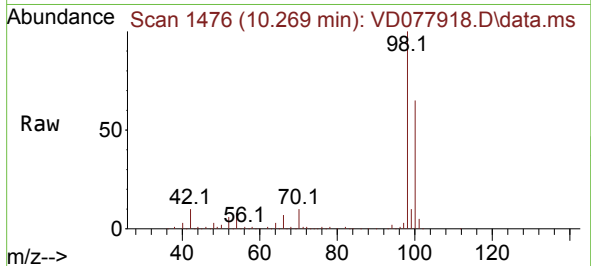




#50
Toluene-d8
Concen: 44.569 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

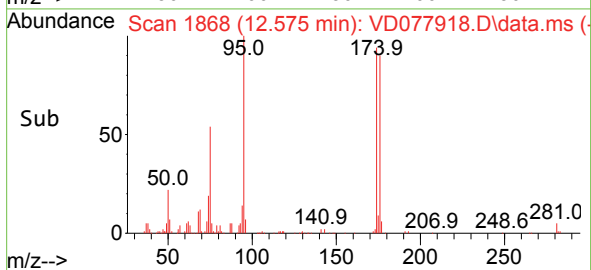
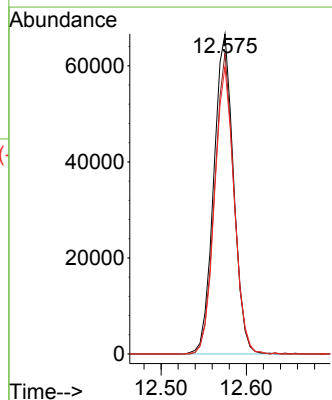
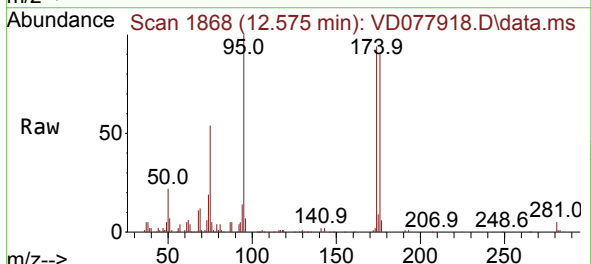
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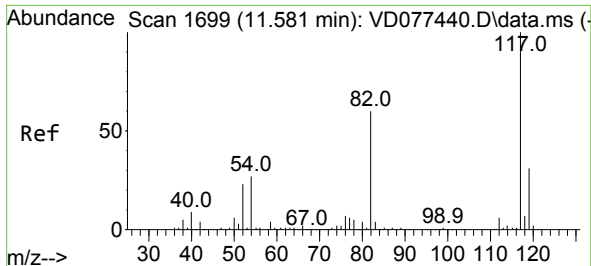
Tgt Ion: 98 Resp: 403949
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 39.725 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Tgt Ion: 95 Resp: 107644
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 88.7 0.0 191.8

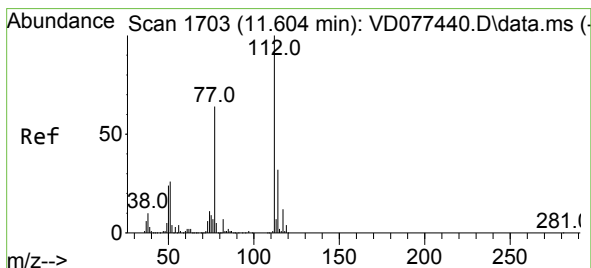
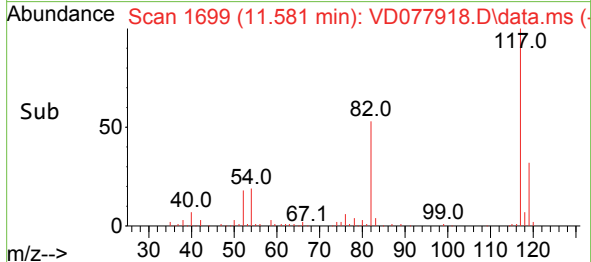
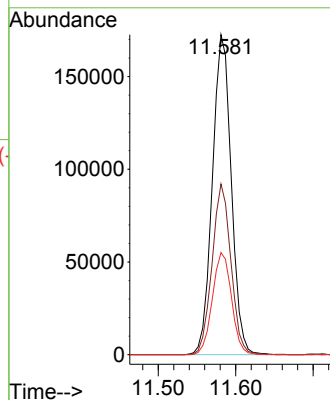
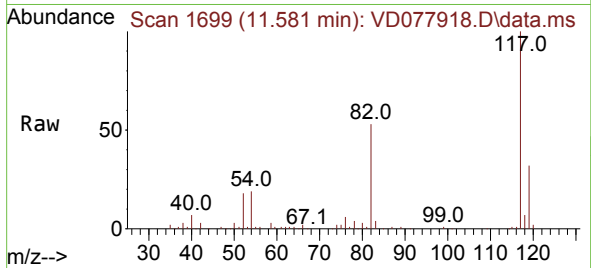




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

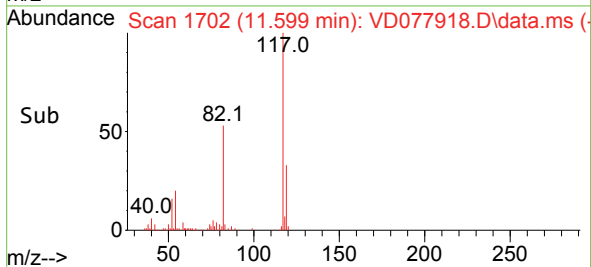
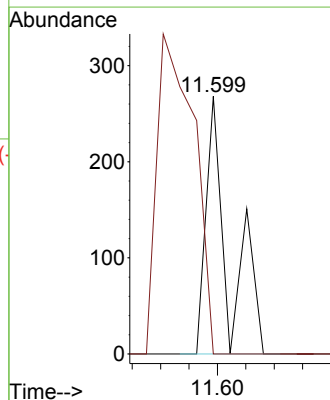
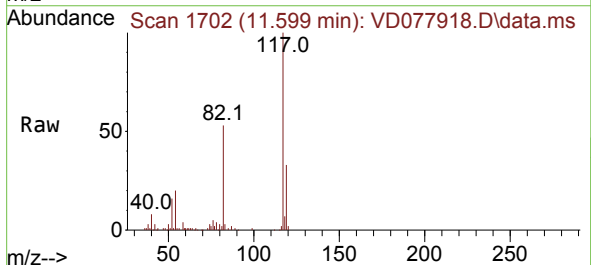
Instrument :
MSVOA_D
ClientSampleId :

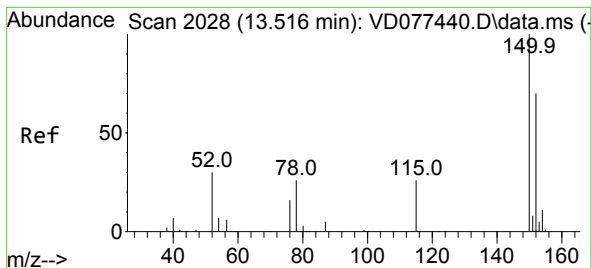
Tgt Ion:117 Resp: 292074
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 31.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.599 min Scan# 1702
Delta R.T. -0.005 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Tgt Ion:112 Resp: 148
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077918.D

Acq: 16 Dec 2023 00:02

Instrument :

MSVOA_D

ClientSampleId :

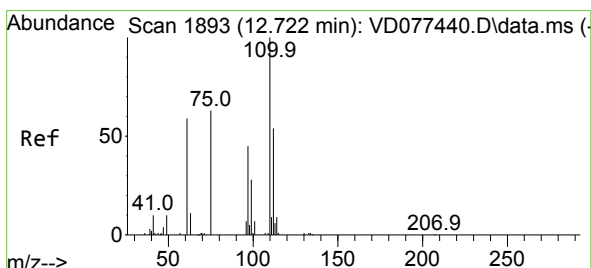
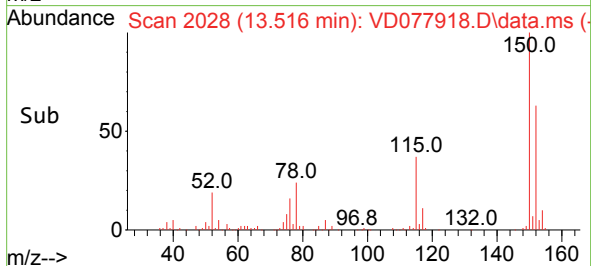
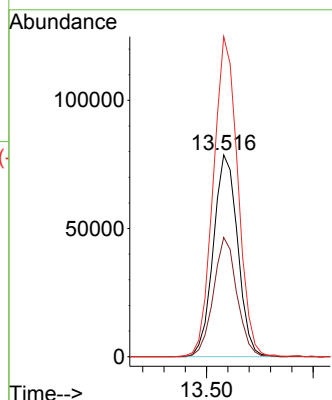
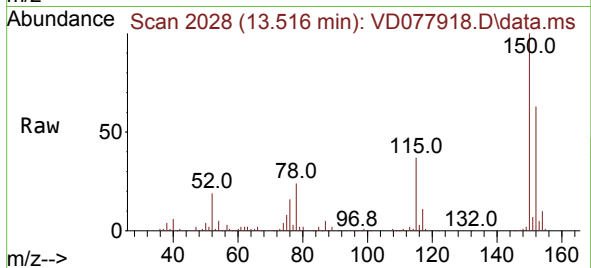
Tgt Ion:152 Resp: 124476

Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

150 160.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.177 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077918.D

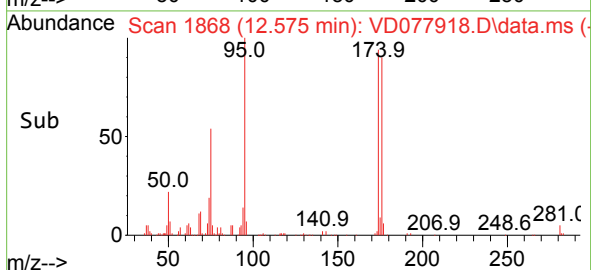
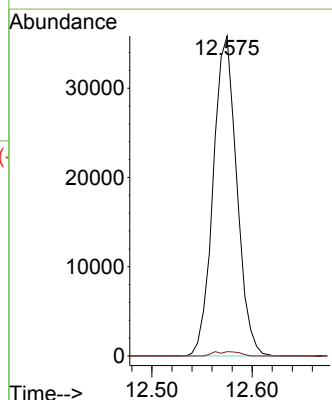
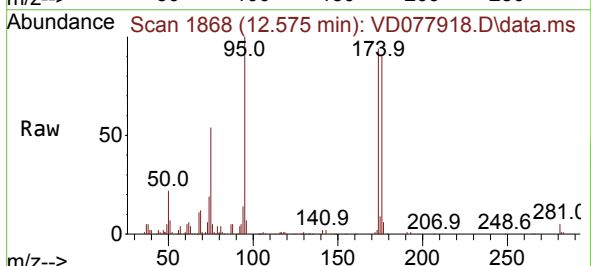
Acq: 16 Dec 2023 00:02

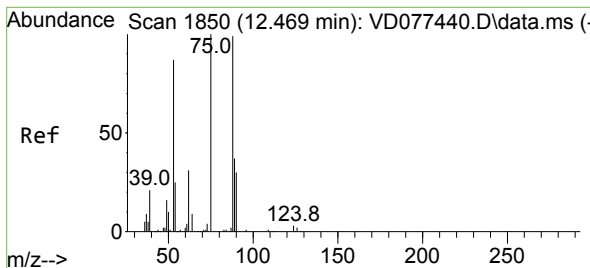
Tgt Ion: 75 Resp: 58570

Ion Ratio Lower Upper

75 100

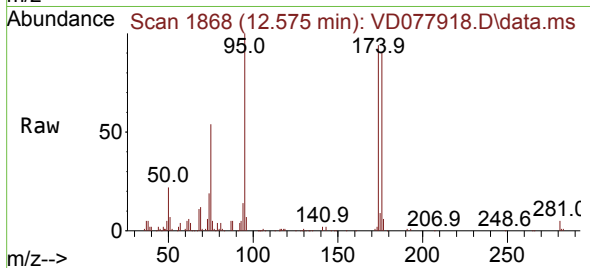
77 1.5 0.0 0.0#



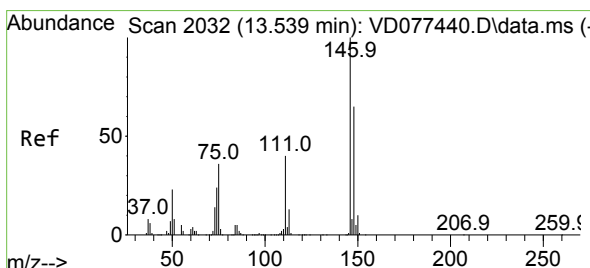
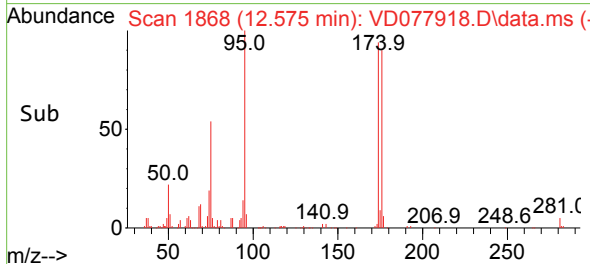
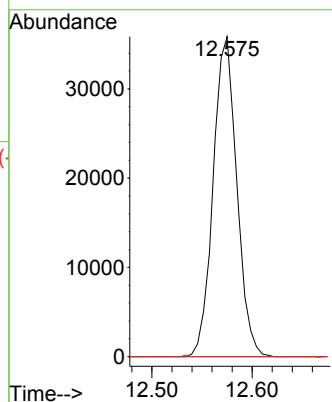


#81
trans-1,4-Dichloro-2-butene
Concen: 109.767 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 58570
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077918.D
Acq: 16 Dec 2023 00:02

Tgt Ion: 146 Resp: 785
Ion Ratio Lower Upper
146 100
111 267.5 17.4 52.3#
148 79.6 31.7 95.1

