

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077915.D
 Acq On : 15 Dec 2023 21:47
 Operator : RP/MD
 Sample : VD1215SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:09:18 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)

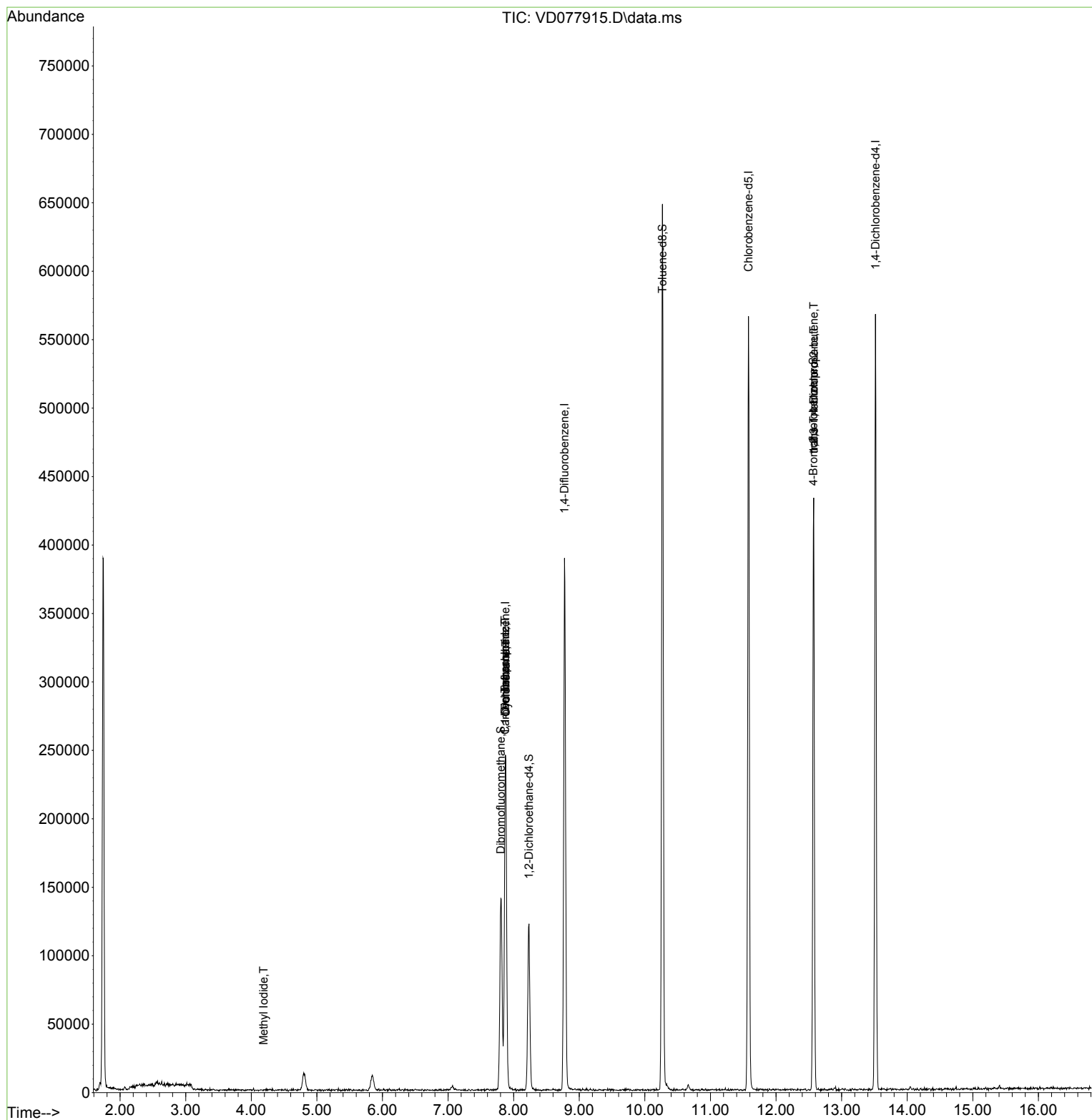
Internal Standards						
1) Pentafluorobenzene	7.875	168	192891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	344756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	148106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93157	40.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.980%
35) Dibromofluoromethane	7.805	113	102129	42.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.580%
50) Toluene-d8	10.269	98	447301	46.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.569	95	128963	44.598	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.200%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.187	142	130	6.796	ug/l #	46
16) Acetone	4.028	43	67	Below Cal	#	32
20) Methylene Chloride	4.799	84	10104	Below Cal		92
25) 2-Butanone	7.122	43	117	Below Cal	#	37
31) Cyclohexane	7.881	56	4585	1.134	ug/l #	70
36) 1,1-Dichloropropene	7.869	75	15246	3.947	ug/l #	47
38) Carbon Tetrachloride	7.869	117	19363	5.028	ug/l #	16
65) Chlorobenzene	11.622	112	125	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	69185	53.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	69185	108.974	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	360	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.475	75	56	Below Cal	#	1

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

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Quant Time: Dec 16 05:09:18 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

Instrument :

MSVOA_D

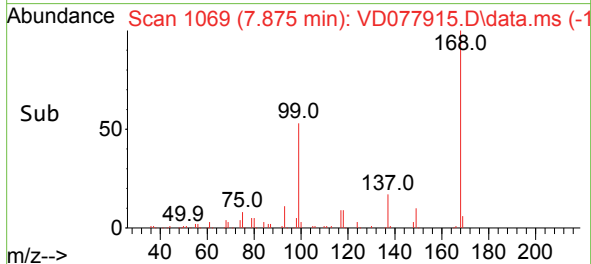
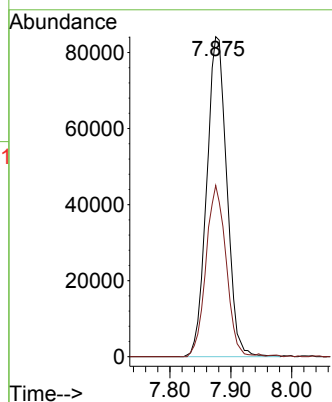
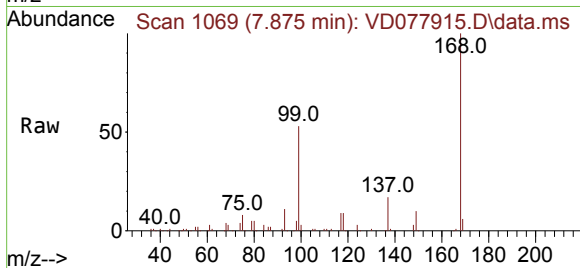
ClientSampleId :

Tgt Ion:168 Resp: 192891

Ion Ratio Lower Upper

168 100

99 53.5 36.7 55.1



#10

Methyl Iodide

Concen: 6.796 ug/l

RT: 4.187 min Scan# 442

Delta R.T. 0.018 min

Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

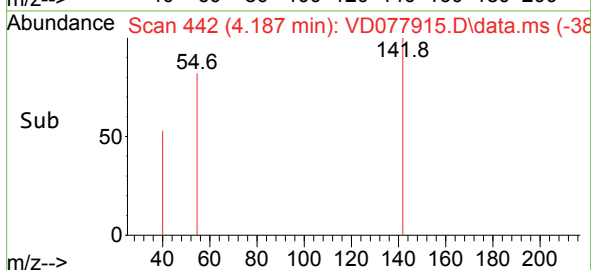
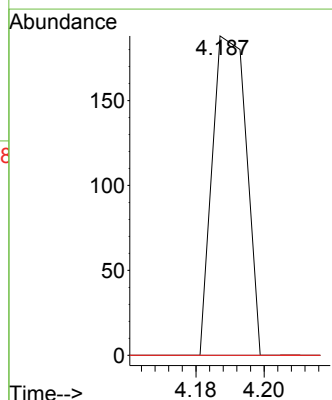
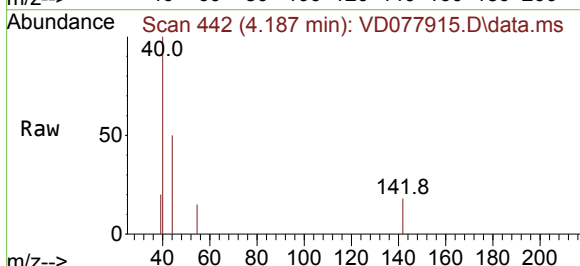
Tgt Ion:142 Resp: 130

Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

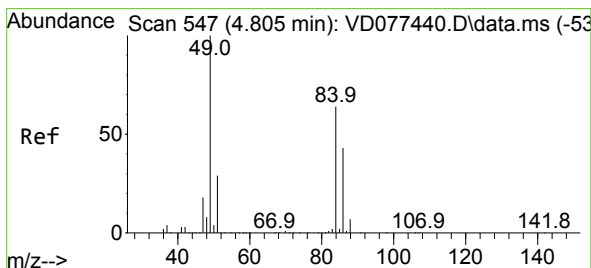
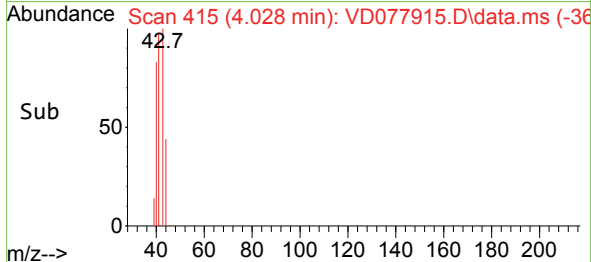
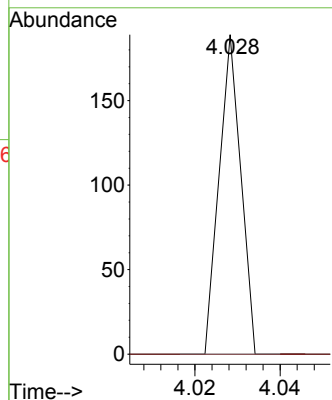
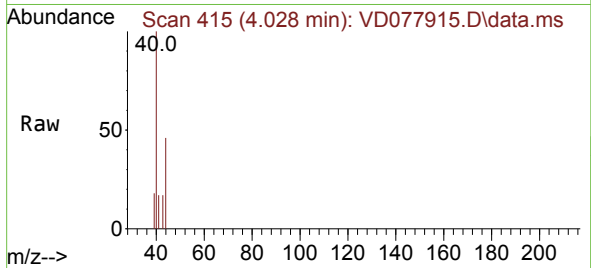




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

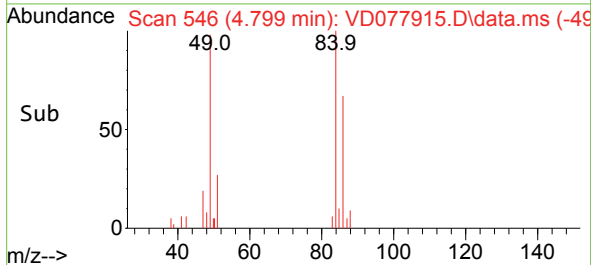
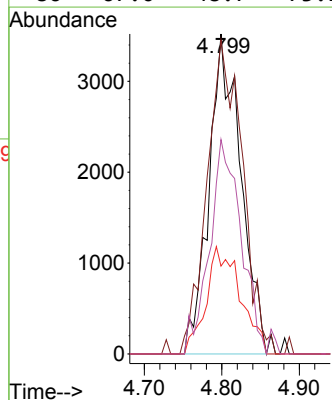
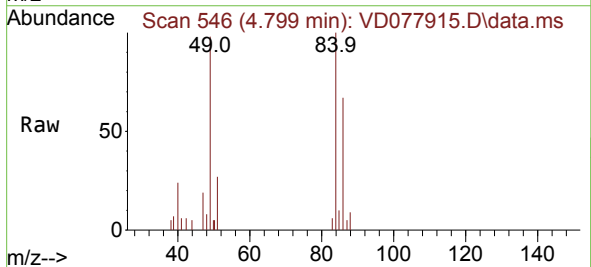
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

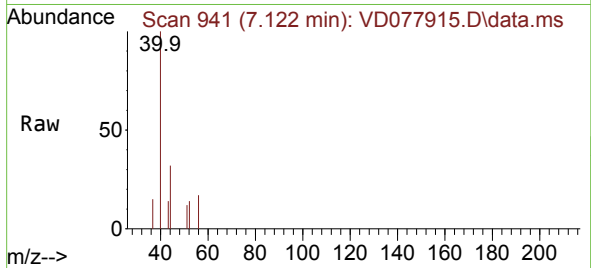
Tgt Ion: 84 Resp: 10104
Ion Ratio Lower Upper
84 100
49 98.1 71.4 107.2
51 27.5 24.5 36.7
86 67.0 48.7 73.1



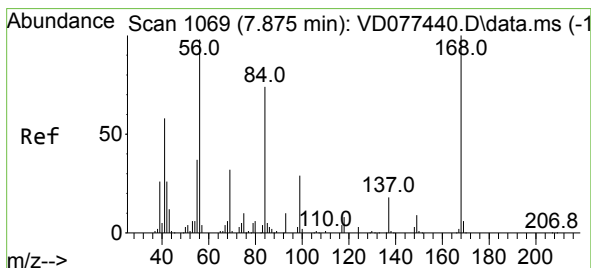
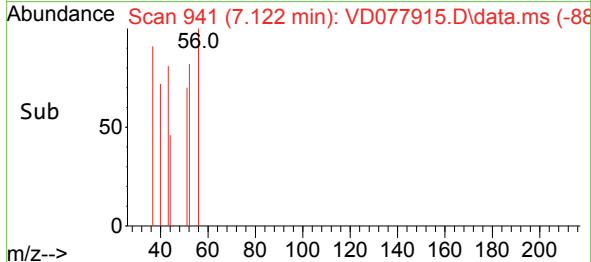
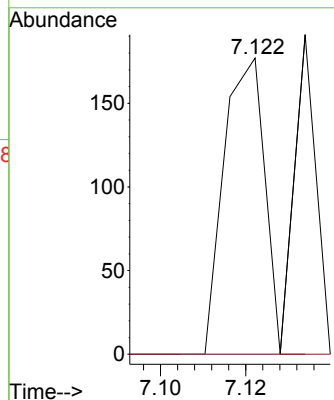


#25
2-Butanone
Concen: Below Cal
RT: 7.122 min Scan# 941
Delta R.T. 0.041 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

Instrument :
MSVOA_D
ClientSampleId :

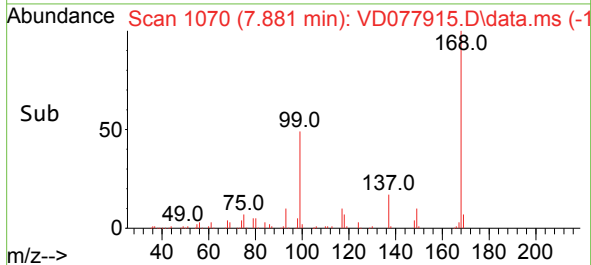
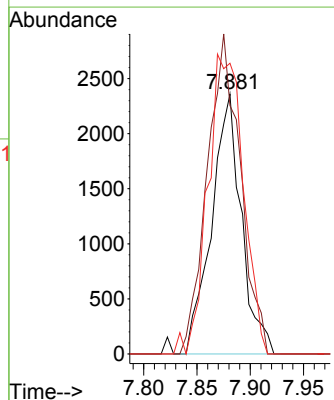
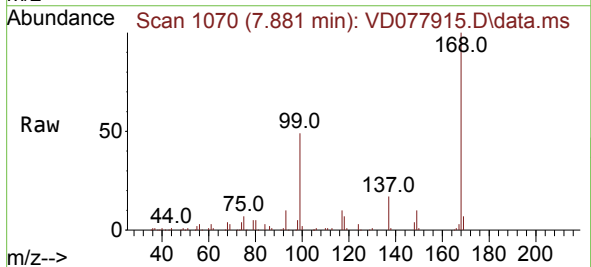


Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 95.5 28.6 43.0#
84 111.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 40.985 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

Instrument :

MSVOA_D

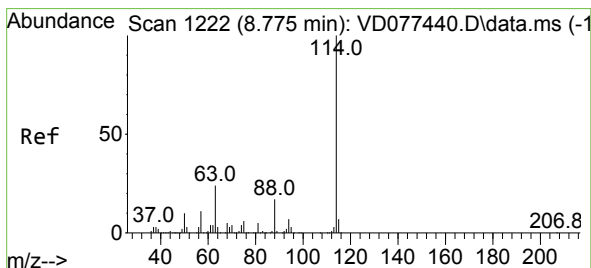
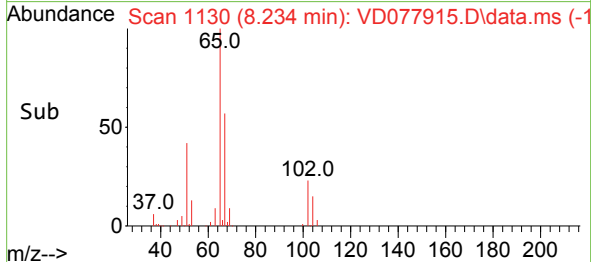
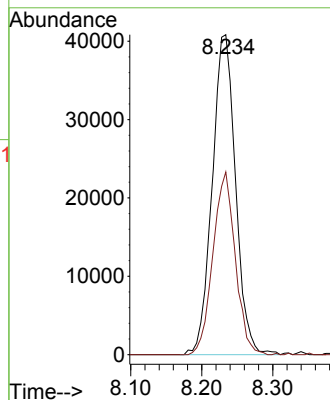
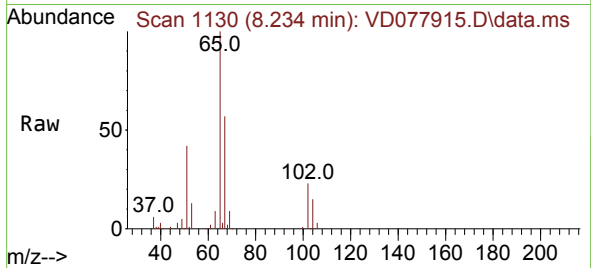
ClientSampleId :

Tgt Ion: 65 Resp: 93157

Ion Ratio Lower Upper

65 100

67 54.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

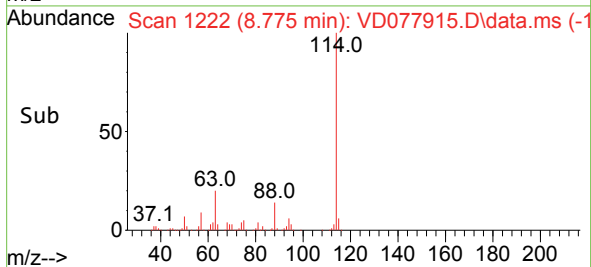
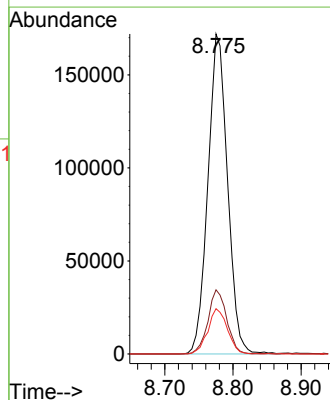
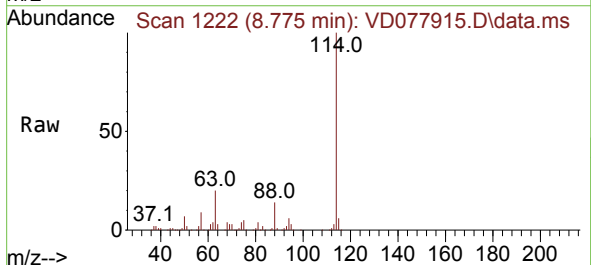
Tgt Ion: 114 Resp: 344756

Ion Ratio Lower Upper

114 100

63 20.1 0.0 33.4

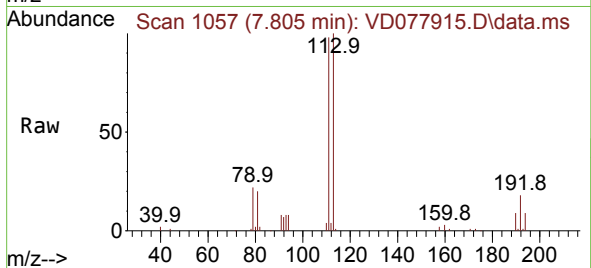
88 14.1 0.0 26.2



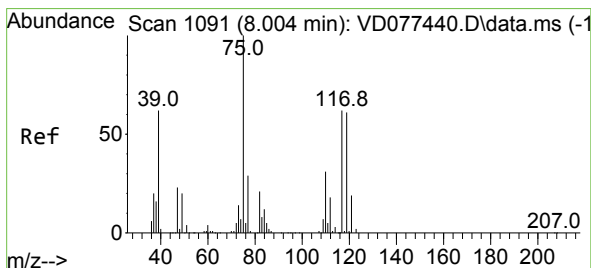
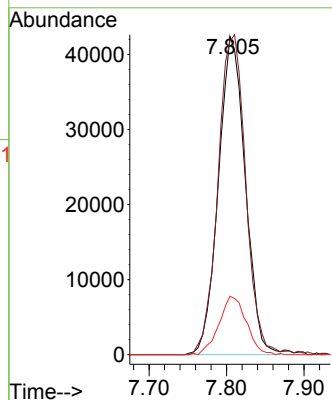
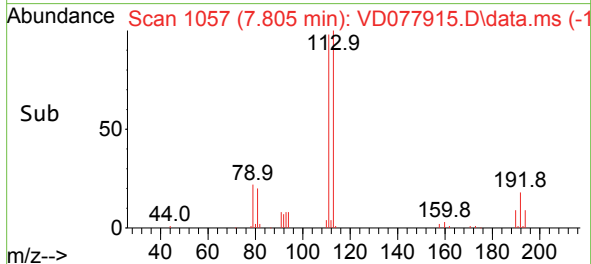


#35
Dibromofluoromethane
Concen: 42.291 ug/l
RT: 7.805 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

Instrument :
MSVOA_D
ClientSampleId :

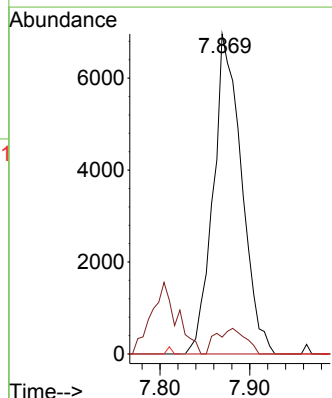
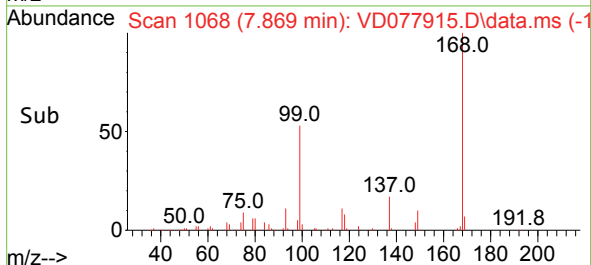
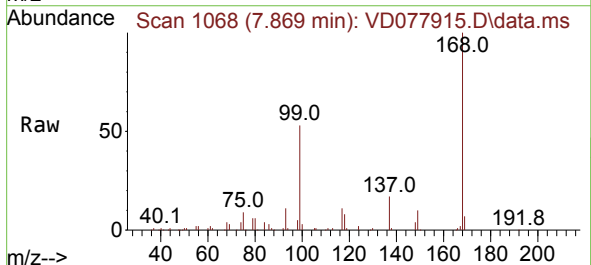


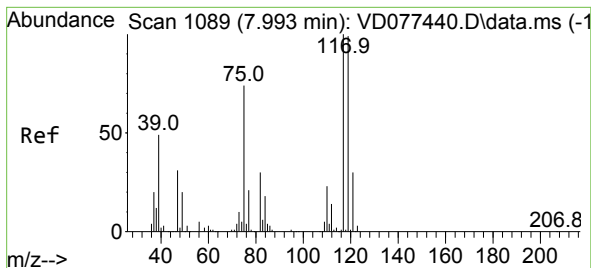
Tgt Ion:113 Resp: 102129
Ion Ratio Lower Upper
113 100
111 104.4 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.947 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

Tgt Ion: 75 Resp: 15246
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.028 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

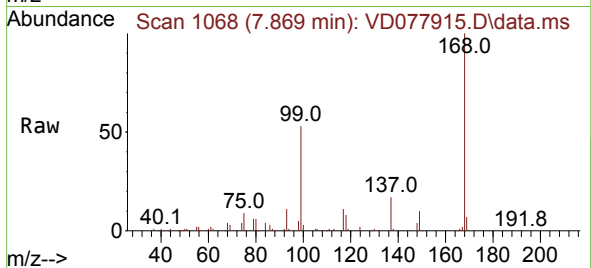
Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

Instrument :

MSVOA_D

ClientSampleId :



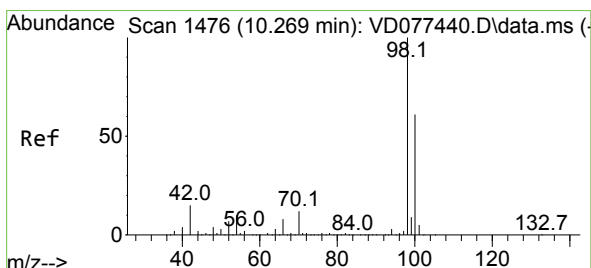
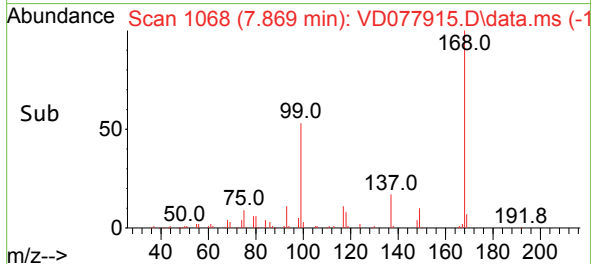
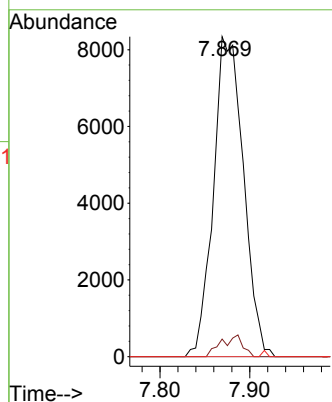
Tgt Ion:117 Resp: 19363

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.247 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077915.D

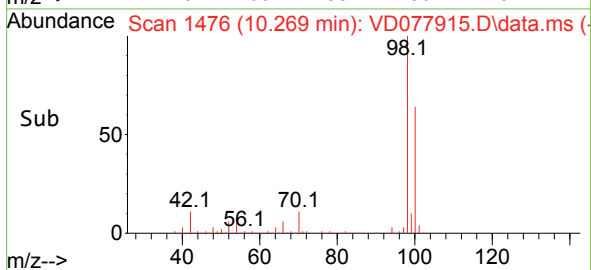
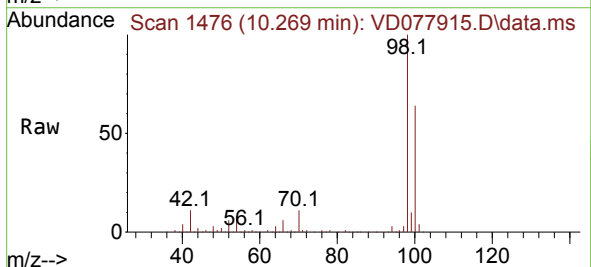
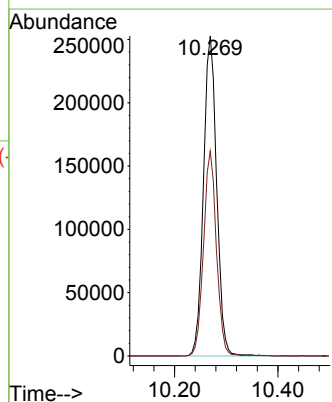
Acq: 15 Dec 2023 21:47

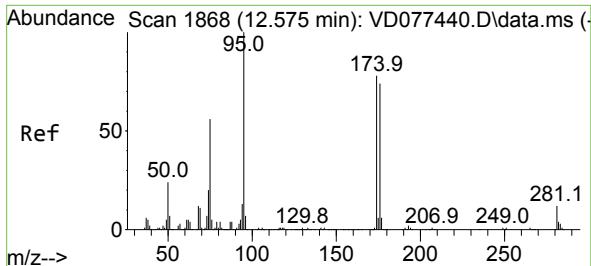
Tgt Ion: 98 Resp: 447301

Ion Ratio Lower Upper

98 100

100 62.5 50.3 75.5

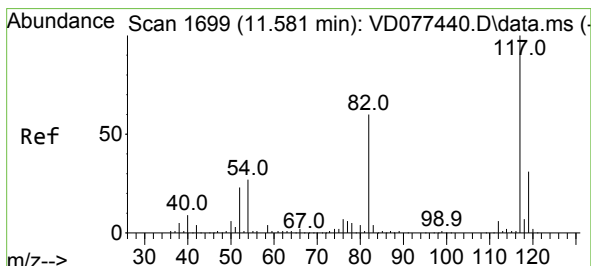
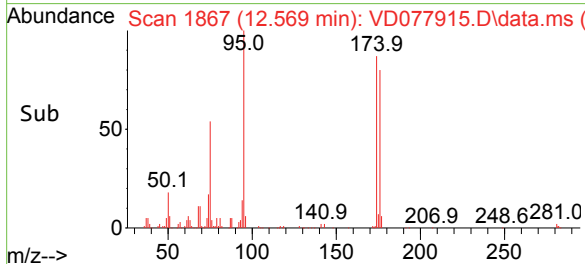
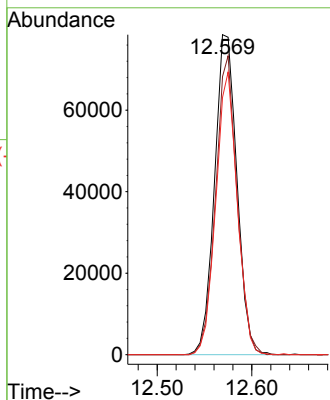
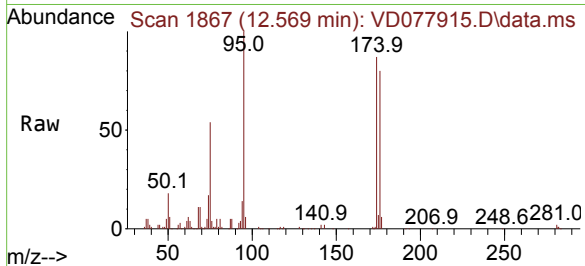




#62
4-Bromofluorobenzene
Concen: 44.598 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

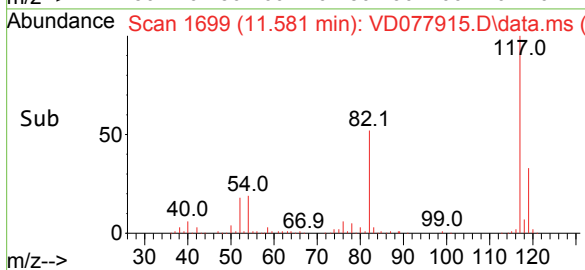
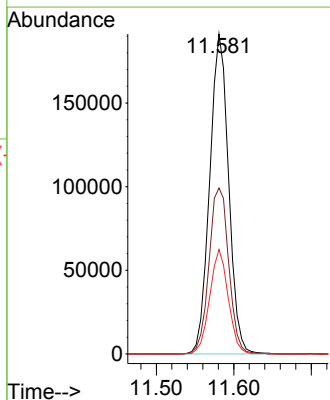
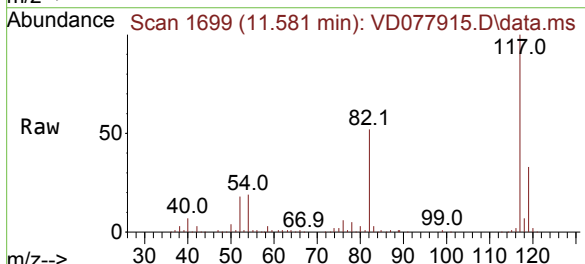
Instrument :
MSVOA_D
ClientSampleId :

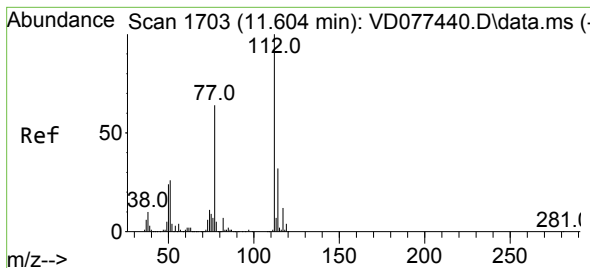
Tgt Ion: 95 Resp: 128963
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 84.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

Tgt Ion: 117 Resp: 325031
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 32.7 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.622 min Scan# 11

Delta R.T. 0.018 min

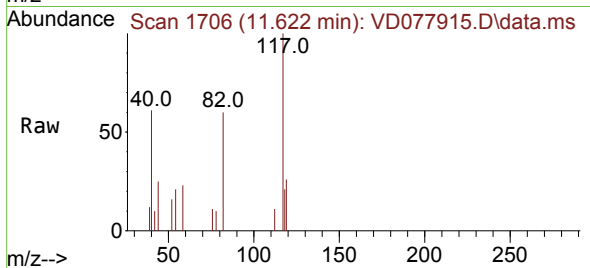
Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

Instrument :

MSVOA_D

ClientSampleId :

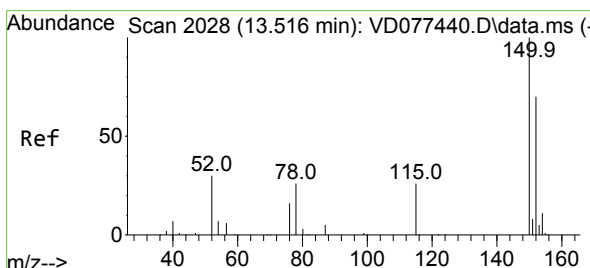
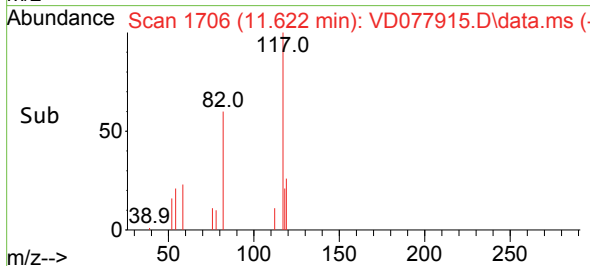
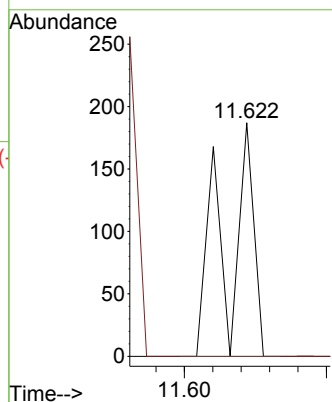


Tgt Ion:112 Resp: 125

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# 2028

Delta R.T. -0.000 min

Lab File: VD077915.D

Acq: 15 Dec 2023 21:47

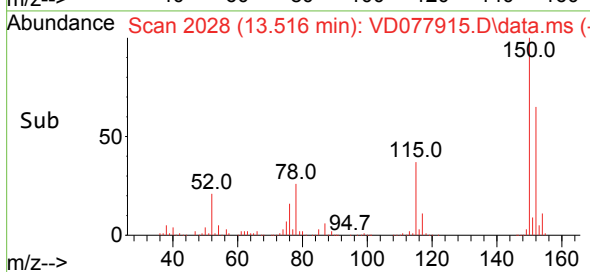
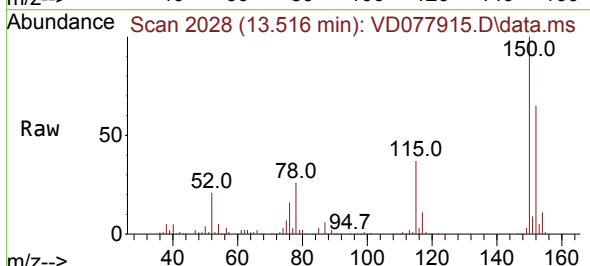
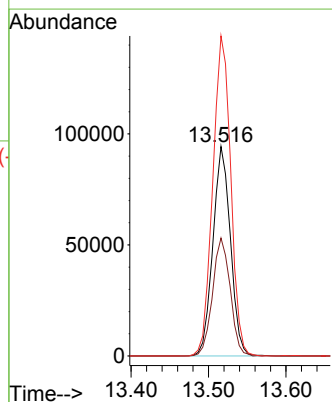
Tgt Ion:152 Resp: 148106

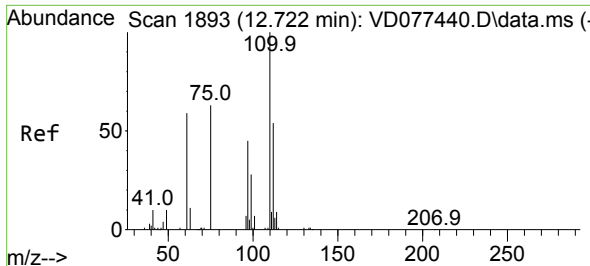
Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 156.3 0.0 353.6

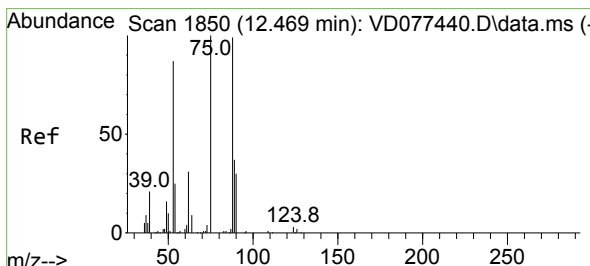
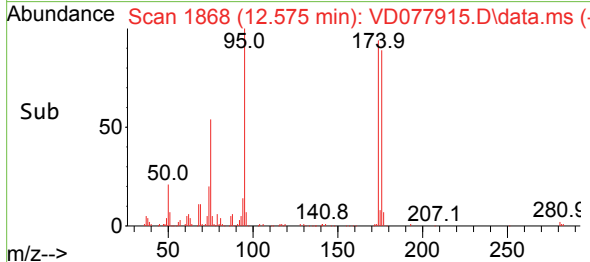
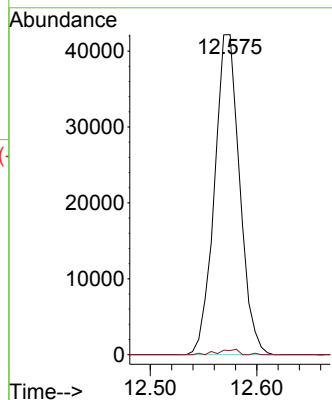
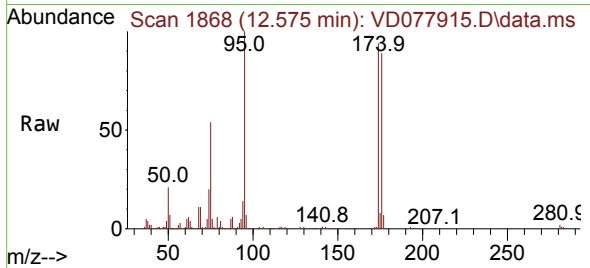




#76
1,2,3-Trichloropropane
Concen: 53.786 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

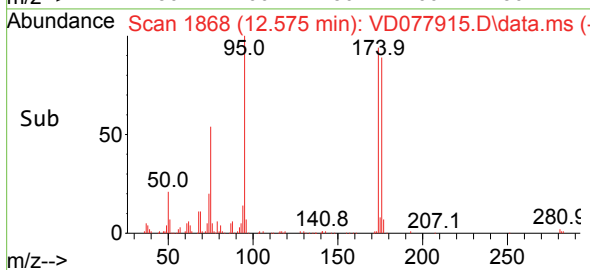
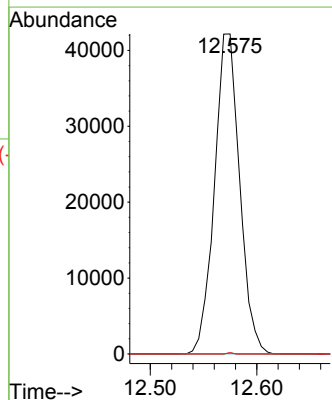
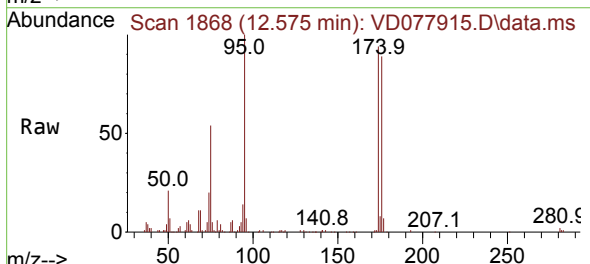
Instrument :
MSVOA_D
ClientSampleId :

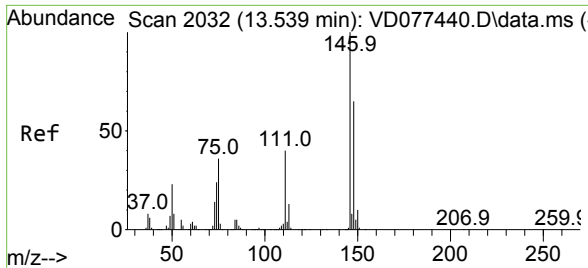
Tgt Ion: 75 Resp: 69185
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.974 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077915.D
Acq: 15 Dec 2023 21:47

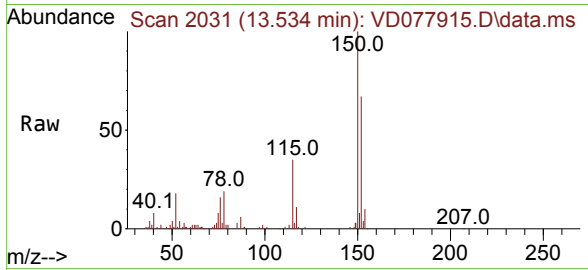
Tgt Ion: 75 Resp: 69185
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.534 min Scan# 2031
 Delta R.T. -0.005 min
 Lab File: VD077915.D
 Acq: 15 Dec 2023 21:47

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	360
Ion	Ratio	Lower	Upper
146	100		
111	646.1	17.4	52.3#
148	468.3	31.7	95.1#

