

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077856.D
 Acq On : 13 Dec 2023 12:30
 Operator : RP/MD
 Sample : 05767-09
 Misc : 12.46G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:51:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

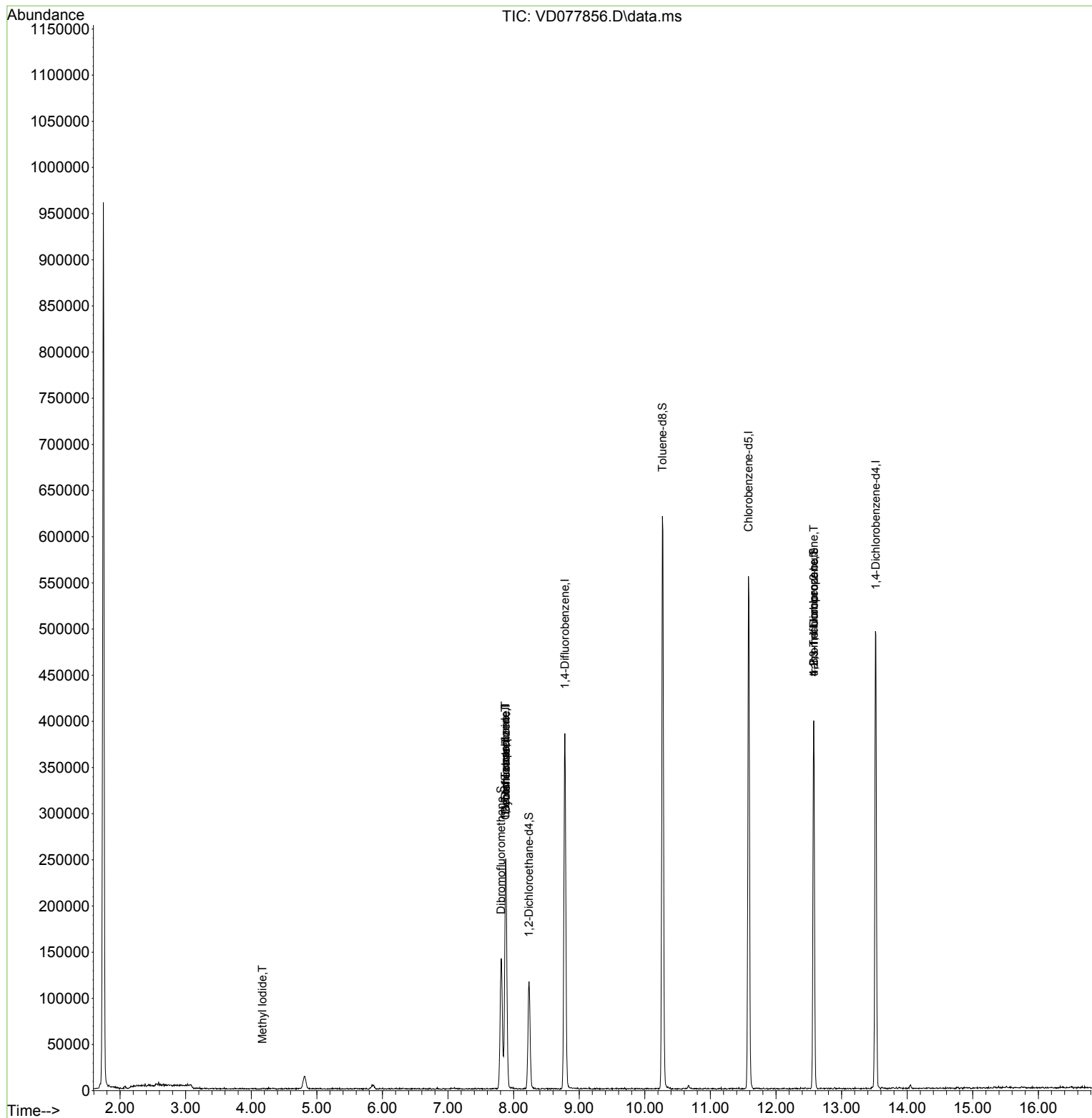
Internal Standards						
1) Pentafluorobenzene	7.881	168	198726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	350564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	136725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90213	38.525	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.040%		
35) Dibromofluoromethane	7.810	113	102688	41.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.640%		
50) Toluene-d8	10.269	98	438459	44.582	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.160%		
62) 4-Bromofluorobenzene	12.575	95	122571	41.685	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.380%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	206	6.825	ug/l #	46
11) Tert butyl alcohol	5.164	59	61	Below Cal	#	73
16) Acetone	4.017	43	128	Below Cal	#	32
20) Methylene Chloride	4.811	84	10814	Below Cal		95
25) 2-Butanone	7.099	43	282	Below Cal	#	37
31) Cyclohexane	7.881	56	4634	1.113	ug/l #	37
36) 1,1-Dichloropropene	7.875	75	16091	4.097	ug/l #	48
38) Carbon Tetrachloride	7.875	117	18772	4.794	ug/l #	15
65) Chlorobenzene	11.610	112	438	Below Cal	#	35
76) 1,2,3-Trichloropropane	12.575	75	64018	53.912	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64018	109.229	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	584	Below Cal	#	70

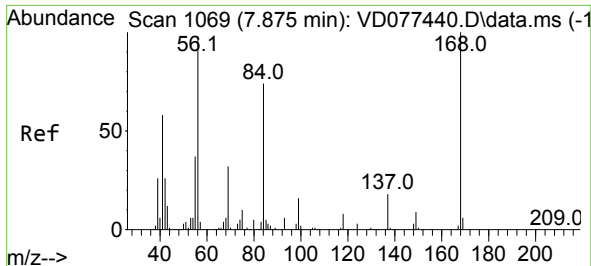
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
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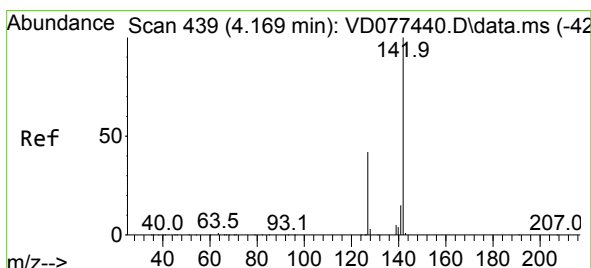
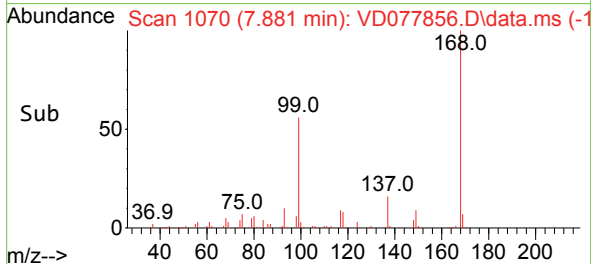
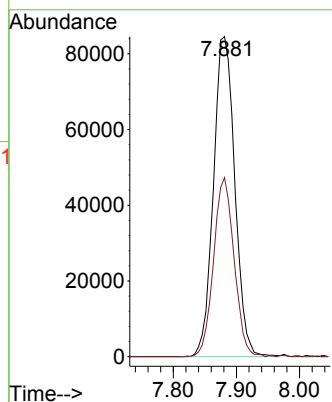
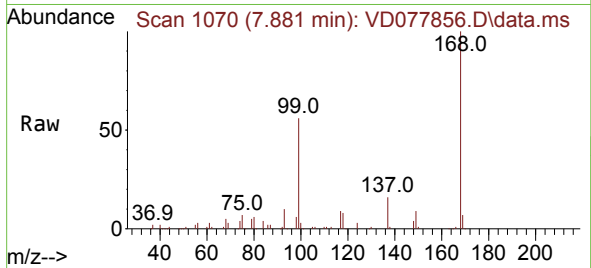




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

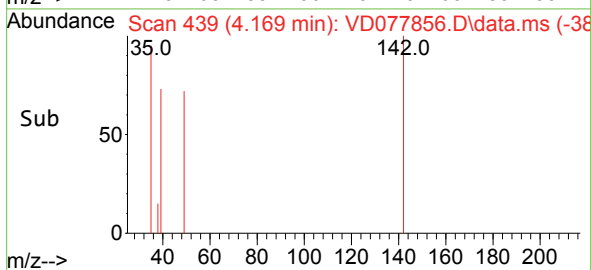
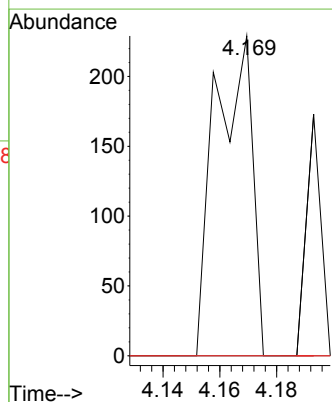
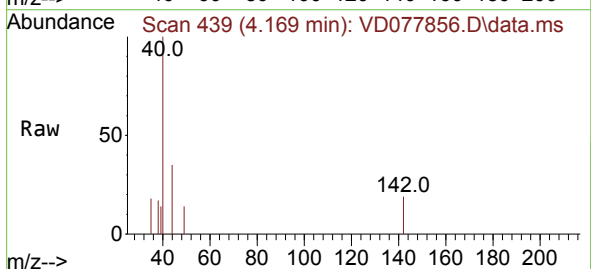
Instrument :
MSVOA_D
ClientSampleId :

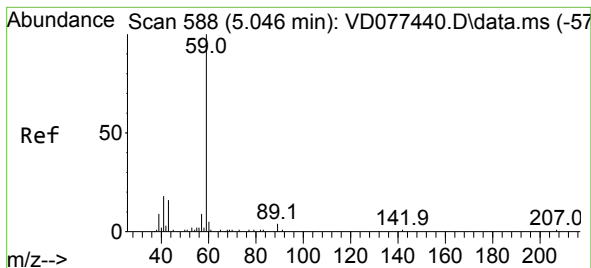
Tgt Ion:168 Resp: 198726
Ion Ratio Lower Upper
168 100
99 55.9 36.7 55.1#



#10
Methyl Iodide
Concen: 6.825 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.164 min Scan# 60

Delta R.T. 0.118 min

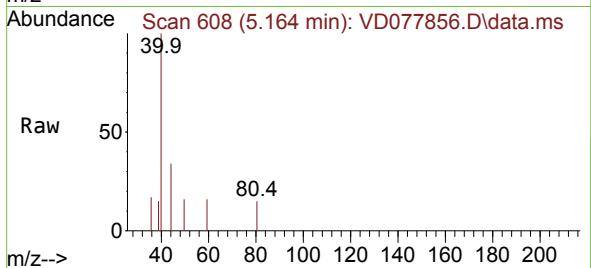
Lab File: VD077856.D

Acq: 13 Dec 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

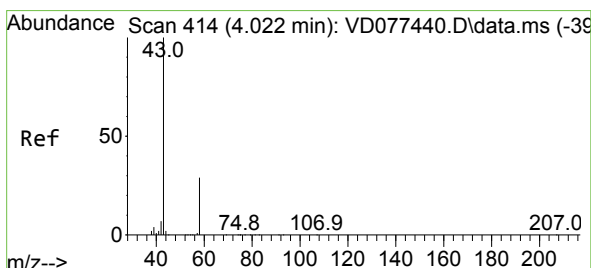
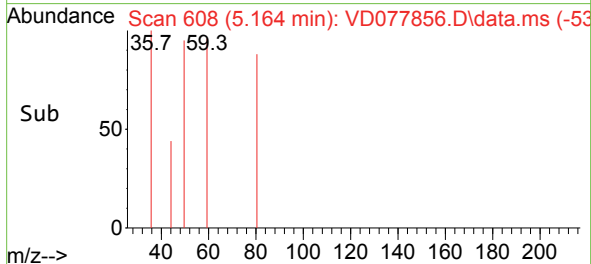
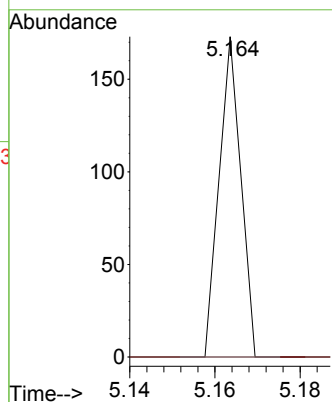


Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.017 min Scan# 413

Delta R.T. -0.005 min

Lab File: VD077856.D

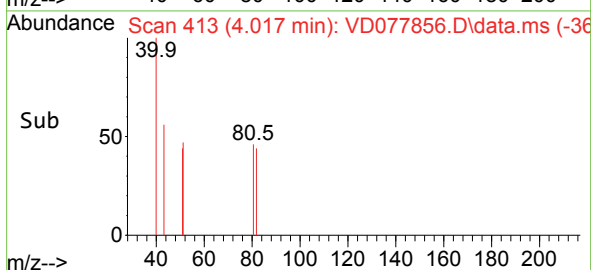
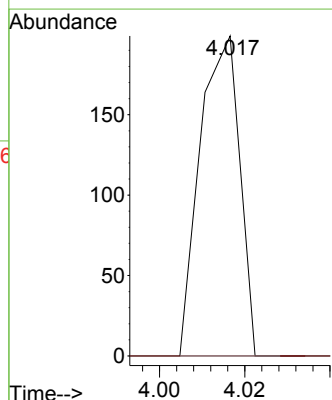
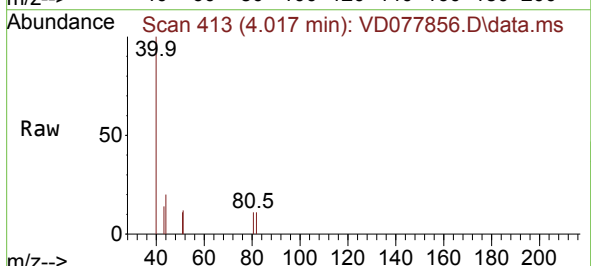
Acq: 13 Dec 2023 12:30

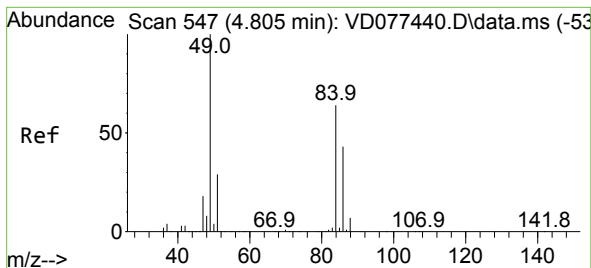
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 54

Delta R.T. 0.006 min

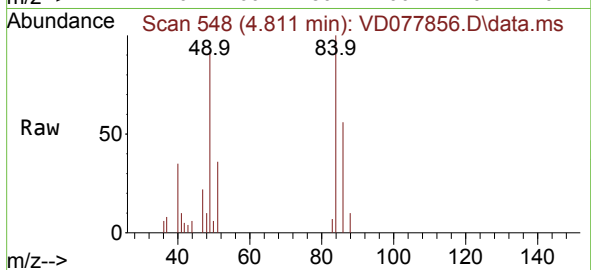
Lab File: VD077856.D

Acq: 13 Dec 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 10814

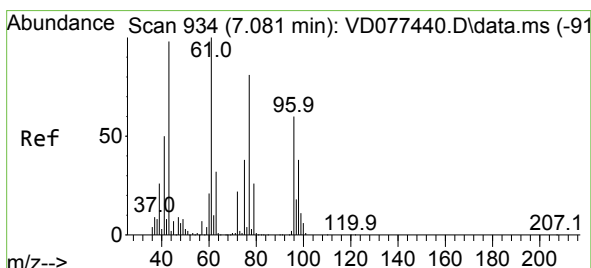
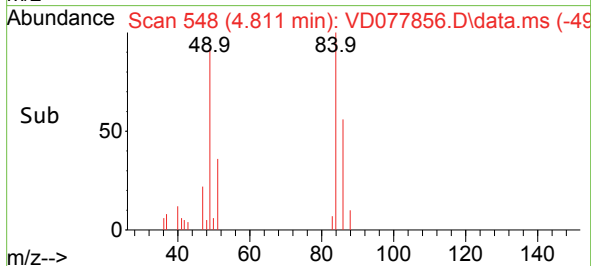
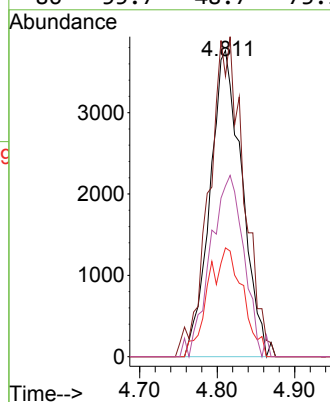
Ion Ratio Lower Upper

84 100

49 91.6 71.4 107.2

51 35.5 24.5 36.7

86 55.7 48.7 73.1



#25

2-Butanone

Concen: Below Cal

RT: 7.099 min Scan# 937

Delta R.T. 0.018 min

Lab File: VD077856.D

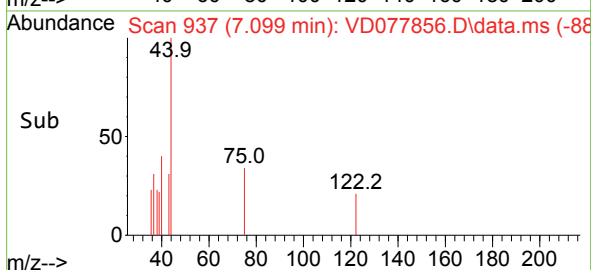
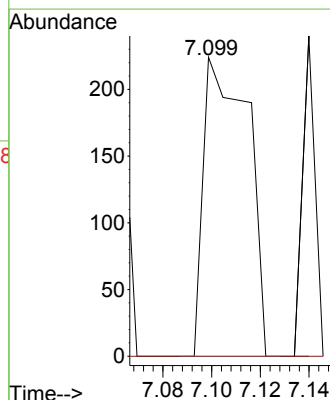
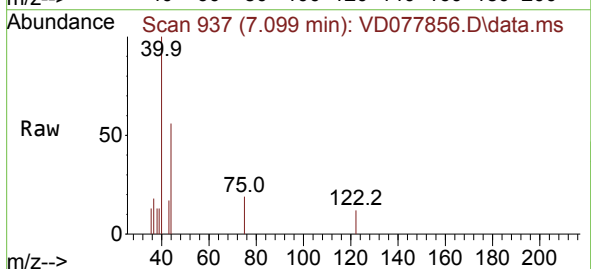
Acq: 13 Dec 2023 12:30

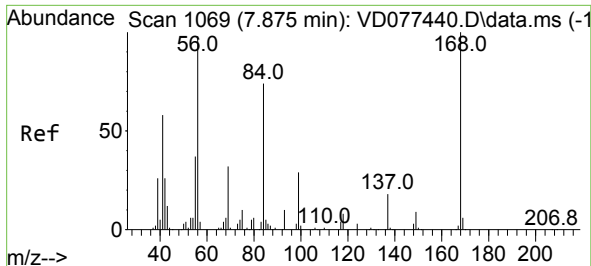
Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

43 100

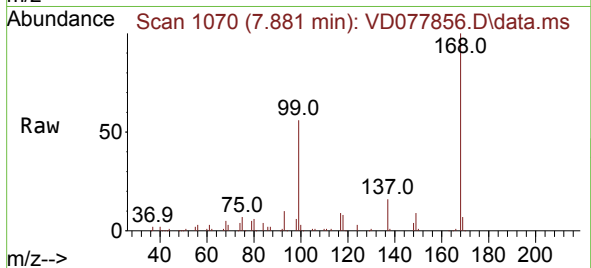
72 0.0 30.7 46.1#



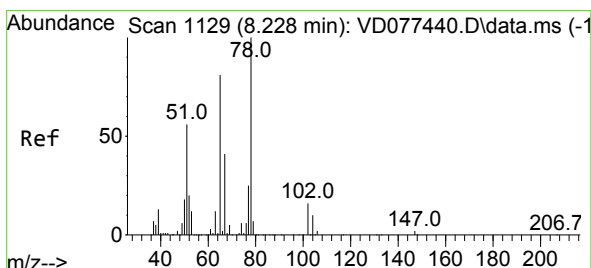
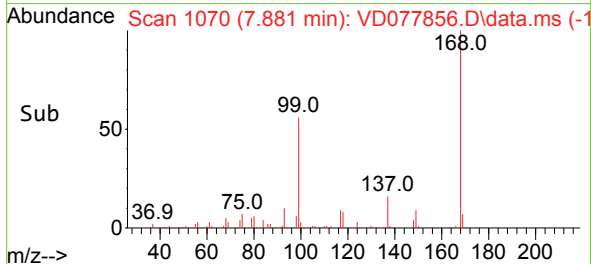
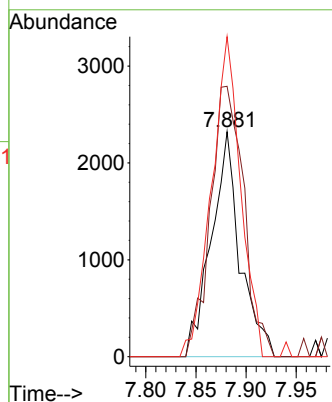


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Instrument :
MSVOA_D
ClientSampleId :

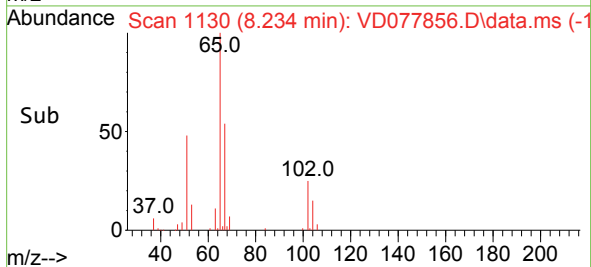
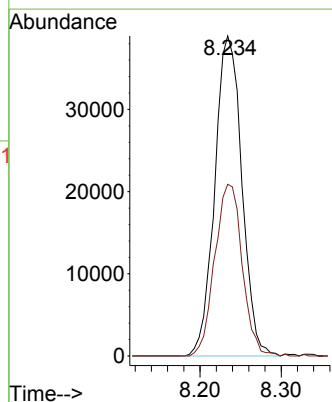
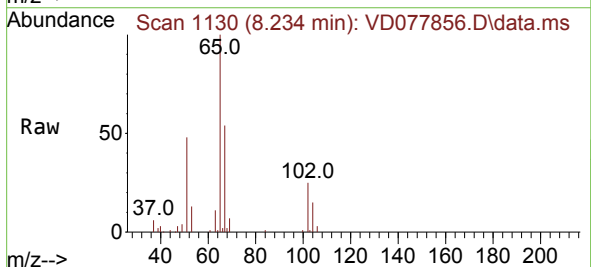


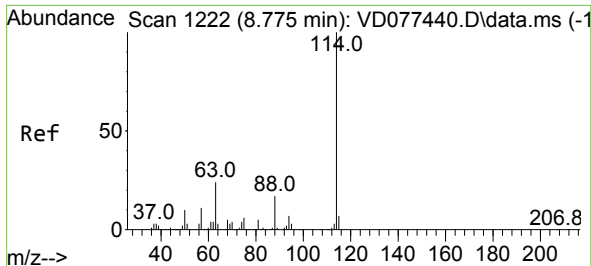
Tgt Ion: 56 Resp: 4634
Ion Ratio Lower Upper
56 100
69 120.2 28.6 43.0#
84 142.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 38.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion: 65 Resp: 90213
Ion Ratio Lower Upper
65 100
67 54.5 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: VD077856.D

Acq: 13 Dec 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

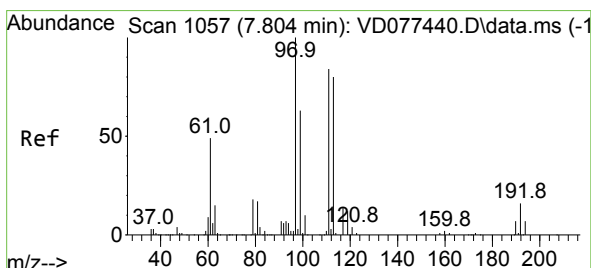
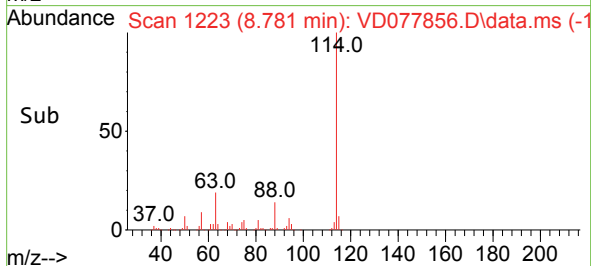
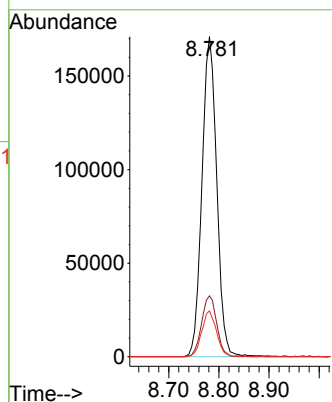
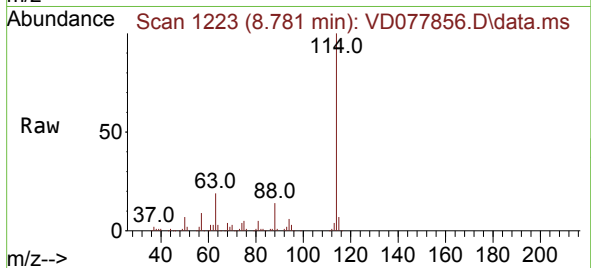
Tgt Ion:114 Resp: 350564

Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.818 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077856.D

Acq: 13 Dec 2023 12:30

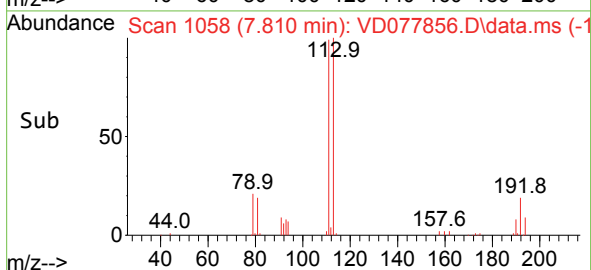
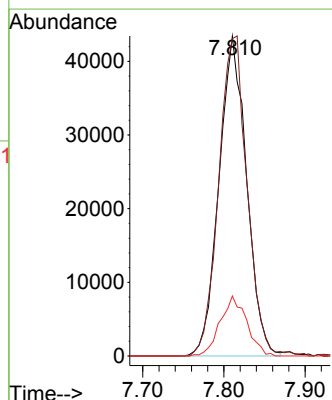
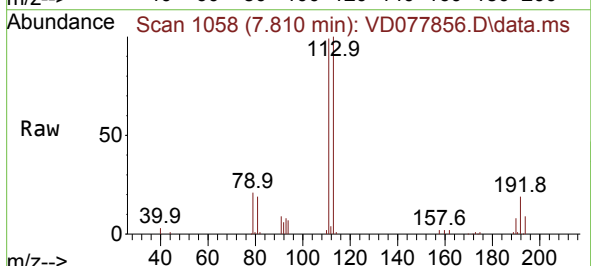
Tgt Ion:113 Resp: 102688

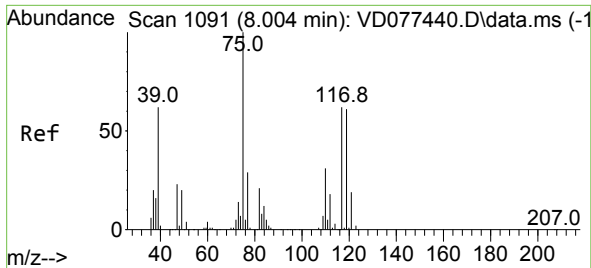
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

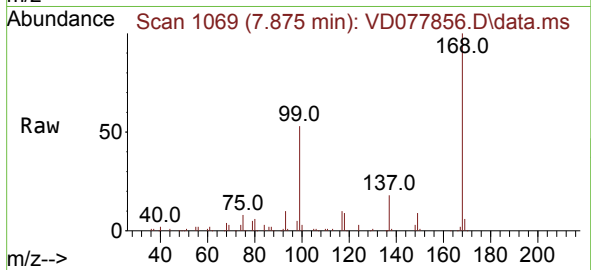
192 18.1 16.8 25.2



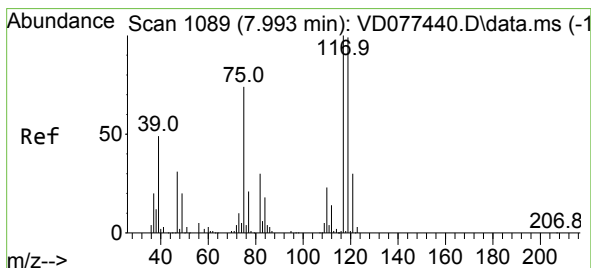
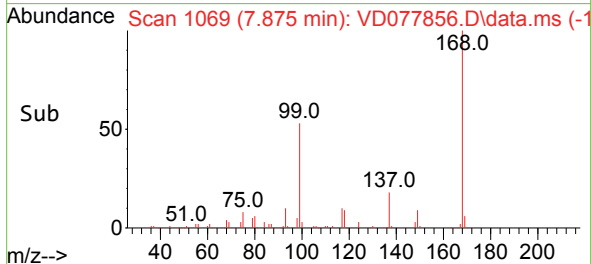
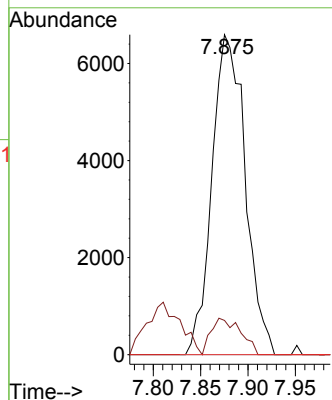


#36
 1,1-Dichloropropene
 Concen: 4.097 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077856.D
 Acq: 13 Dec 2023 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

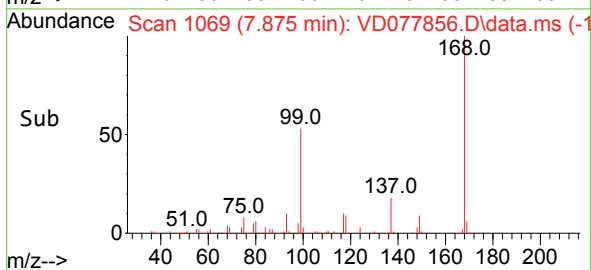
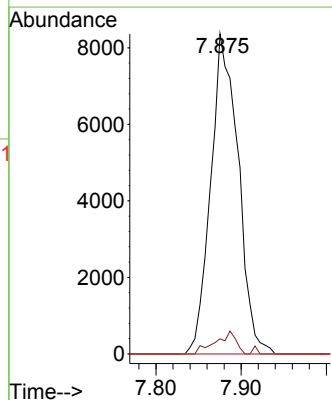
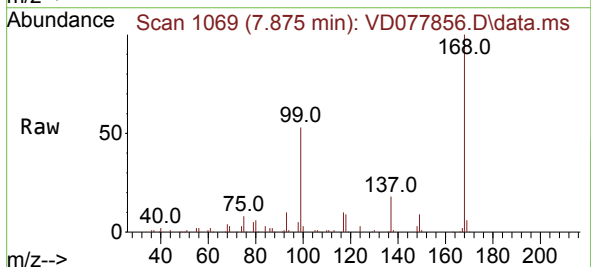


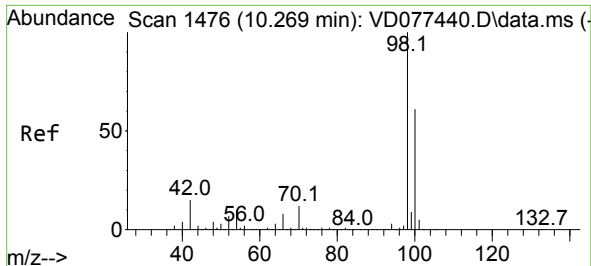
Tgt Ion: 75 Resp: 16091
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 4.794 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.118 min
 Lab File: VD077856.D
 Acq: 13 Dec 2023 12:30

Tgt Ion: 117 Resp: 18772
 Ion Ratio Lower Upper
 117 100
 119 4.8 78.0 117.0#
 121 0.0 24.2 36.2#

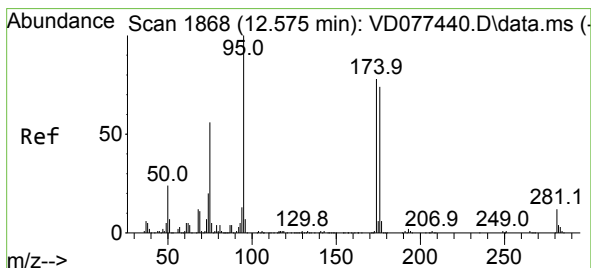
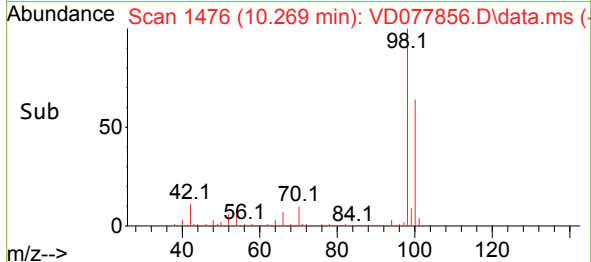
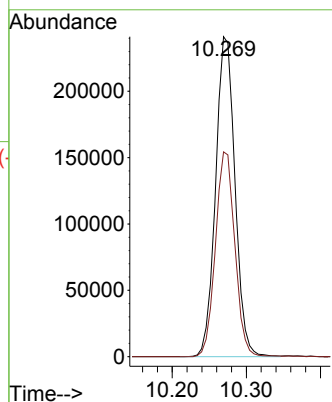
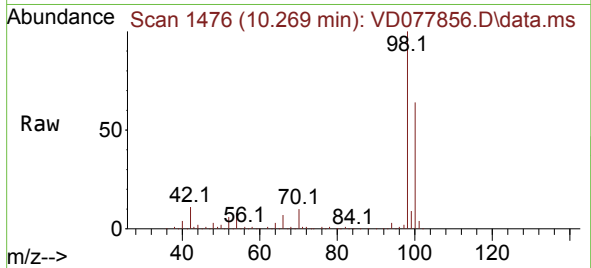




#50
Toluene-d8
Concen: 44.582 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

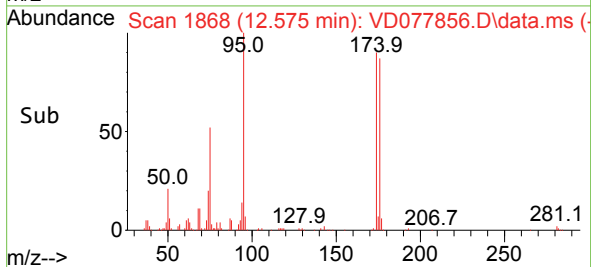
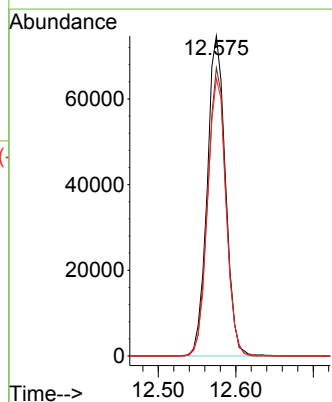
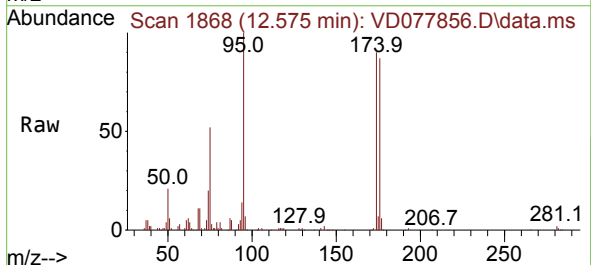
Instrument :
MSVOA_D
ClientSampleId :

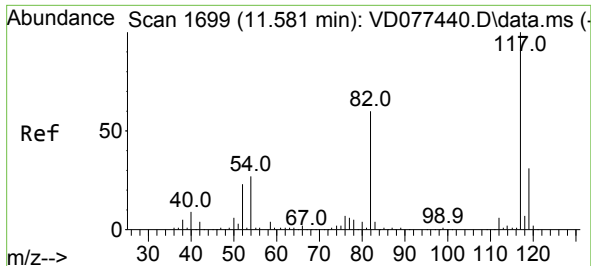
Tgt Ion: 98 Resp: 438459
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.685 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

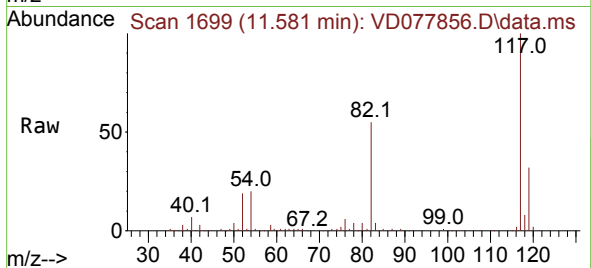
Tgt Ion: 95 Resp: 122571
Ion Ratio Lower Upper
95 100
174 89.8 0.0 201.8
176 87.4 0.0 191.8



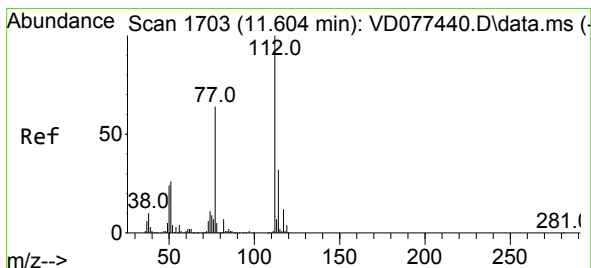
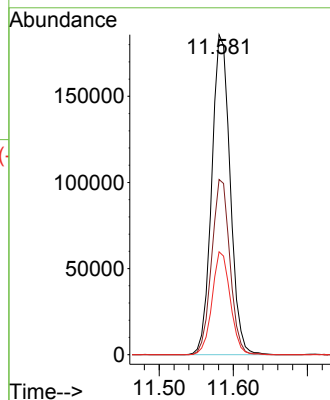
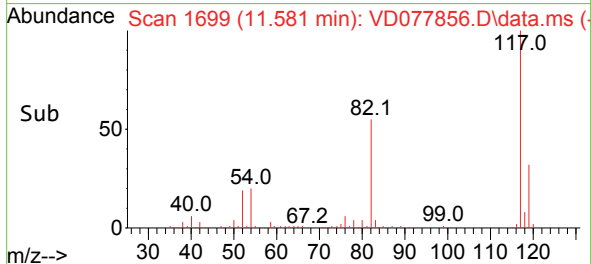


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

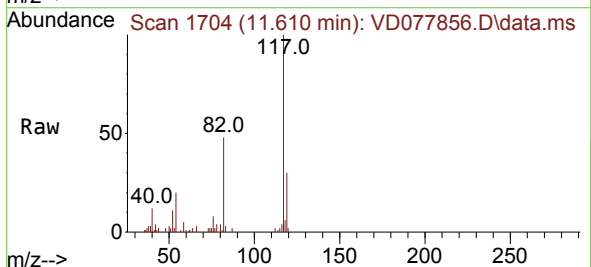
Instrument :
MSVOA_D
ClientSampleId :



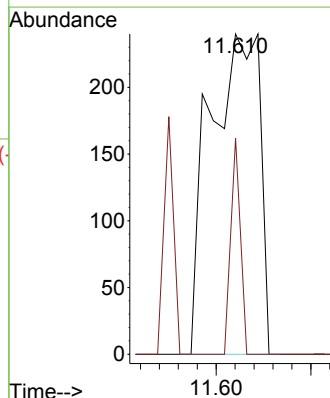
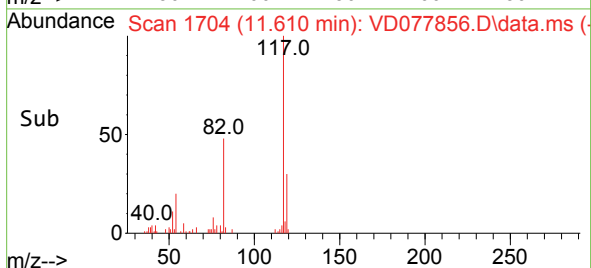
Tgt Ion:117 Resp: 320460
Ion Ratio Lower Upper
117 100
82 54.7 38.3 57.5
119 32.2 25.0 37.4

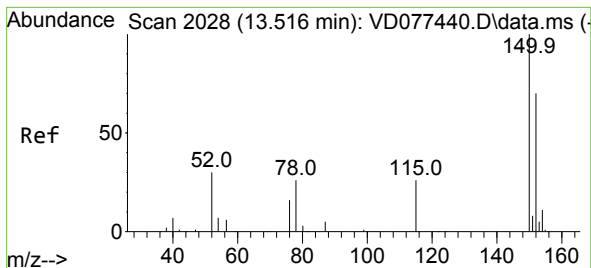


#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30



Tgt Ion:112 Resp: 438
Ion Ratio Lower Upper
112 100
114 67.5 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: VD077856.D

Acq: 13 Dec 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

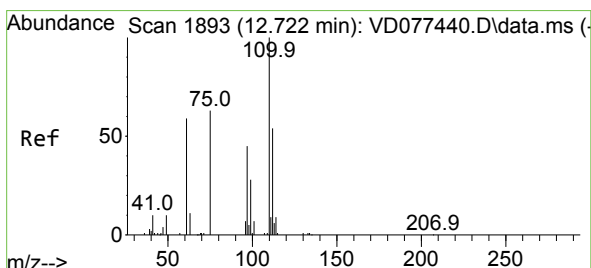
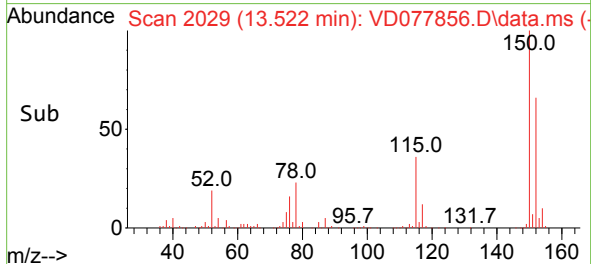
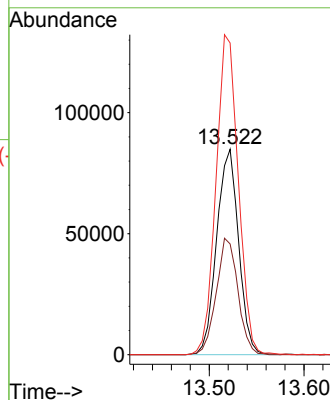
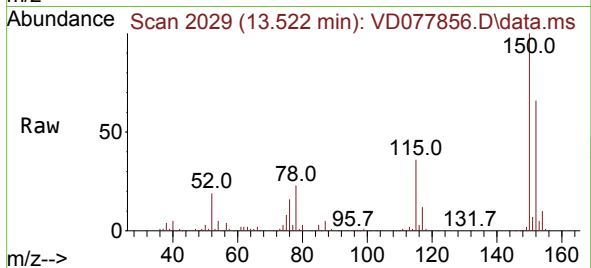
Tgt Ion:152 Resp: 136725

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 158.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.912 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077856.D

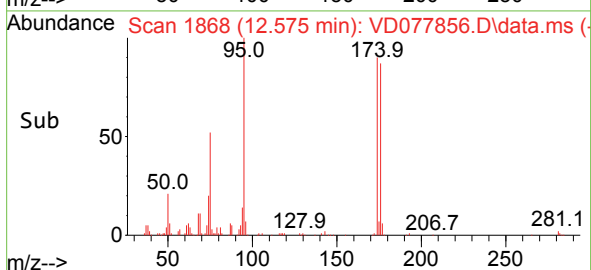
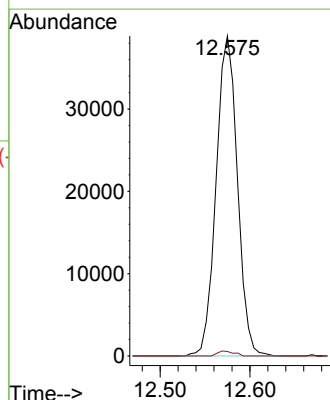
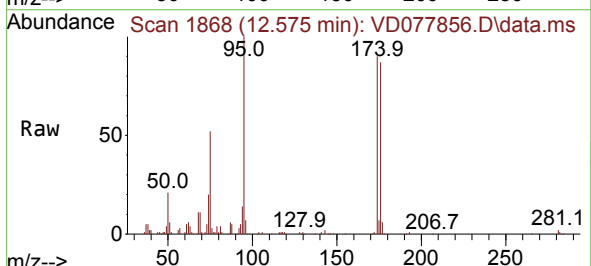
Acq: 13 Dec 2023 12:30

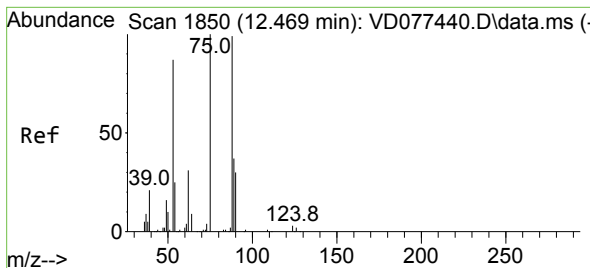
Tgt Ion: 75 Resp: 64018

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

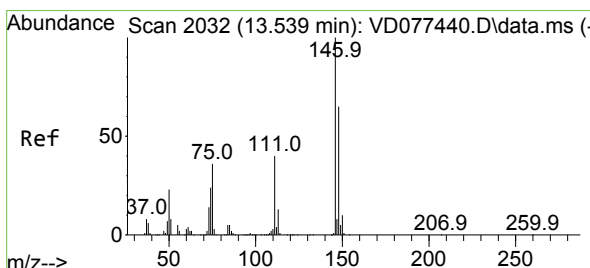
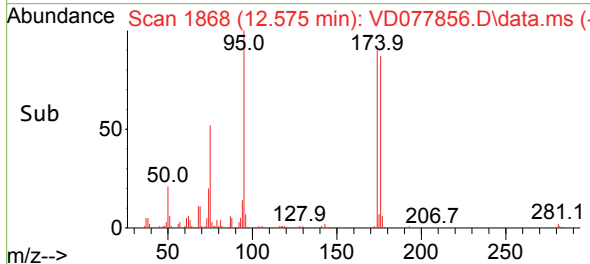
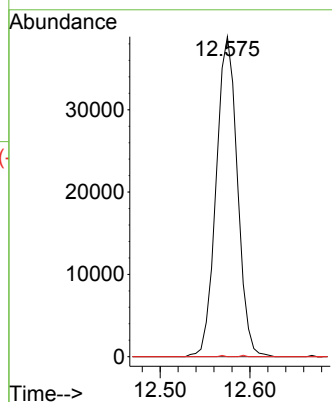
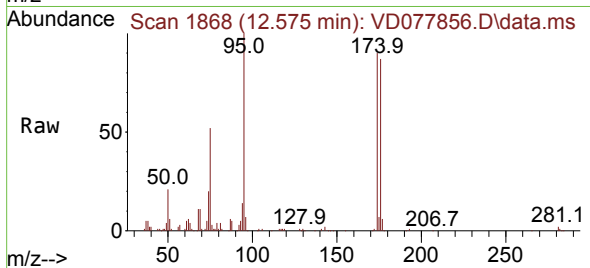




#81
trans-1,4-Dichloro-2-butene
Concen: 109.229 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 64018
Ion Ratio Lower Upper
75 100
53 0.0 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: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion: 146 Resp: 584
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 73.5 31.7 95.1

