

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077824.D
 Acq On : 11 Dec 2023 21:04
 Operator : JC/SY
 Sample : 05628-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:52:49 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)

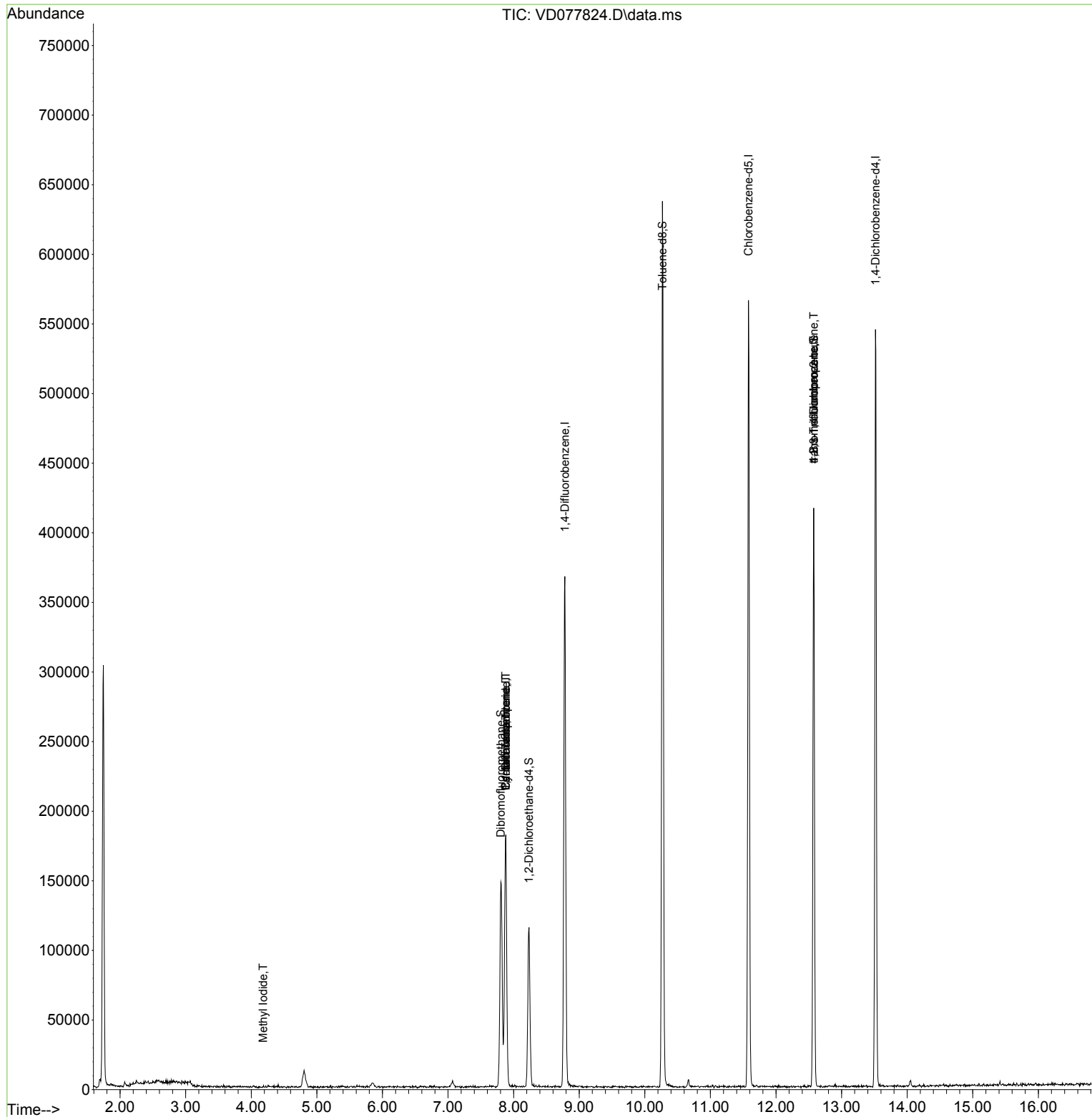
Internal Standards						
1) Pentafluorobenzene	7.881	168	141802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	328541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	92181	55.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.340%
35) Dibromofluoromethane	7.805	113	107348	46.646	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.300%
50) Toluene-d8	10.269	98	442782	48.039	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.575	95	123176	44.699	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	55	6.773	ug/l #	46
11) Tert butyl alcohol	5.122	59	66	Below Cal	#	73
16) Acetone	4.046	43	348	Below Cal	#	32
20) Methylene Chloride	4.805	84	8749	Below Cal	#	89
25) 2-Butanone	7.128	43	71	Below Cal	#	37
31) Cyclohexane	7.881	56	3442	1.158	ug/l #	41
36) 1,1-Dichloropropene	7.881	75	11403	3.098	ug/l #	48
38) Carbon Tetrachloride	7.881	117	14211	3.872	ug/l #	14
65) Chlorobenzene	11.598	112	304	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	64115	50.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64115	102.442	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	548	Below Cal	#	26

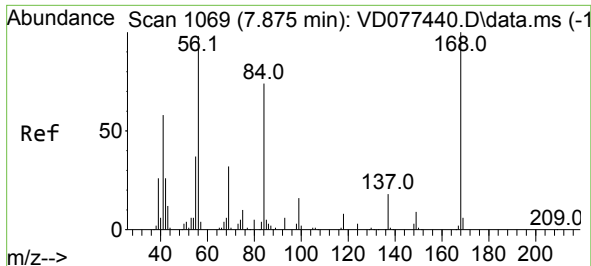
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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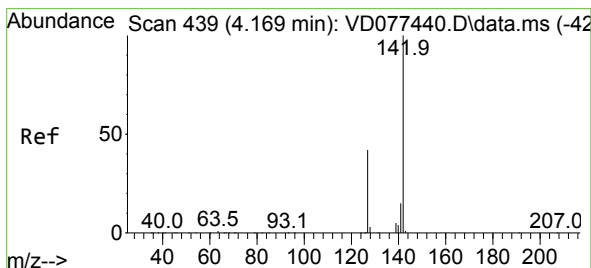
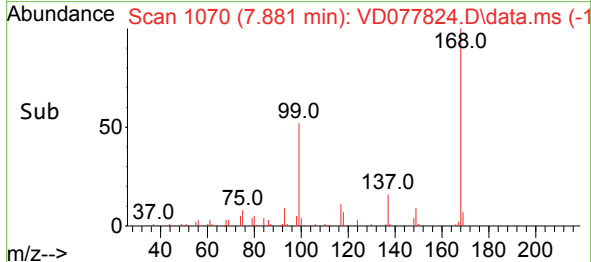
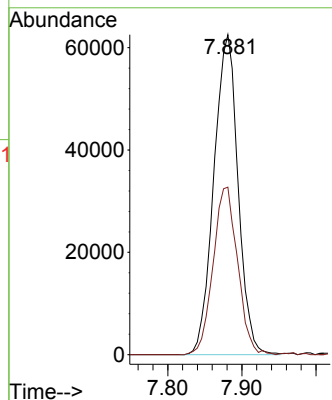
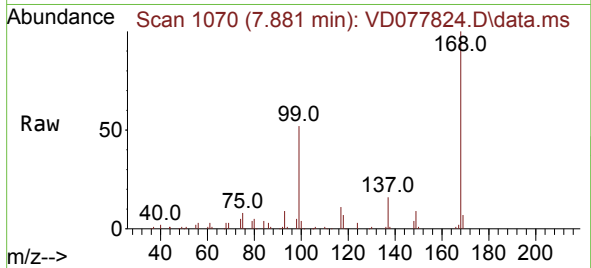




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

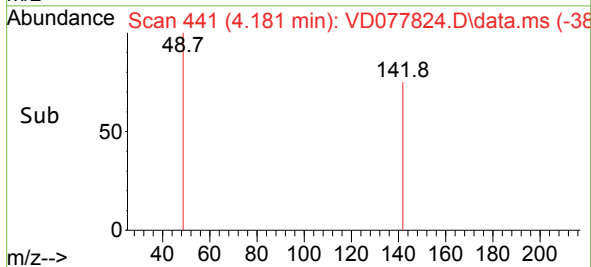
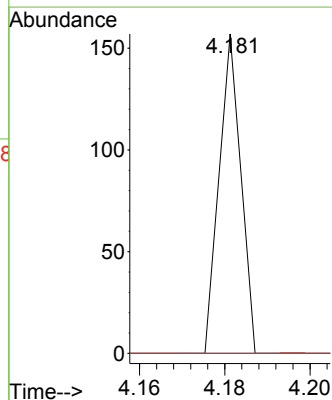
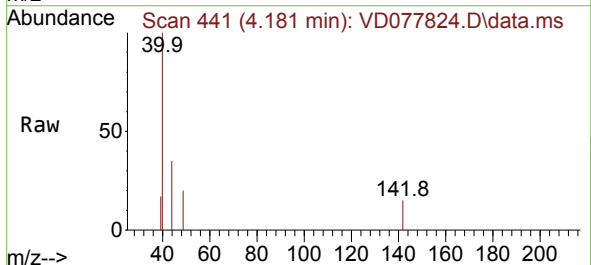
Instrument :
MSVOA_D
ClientSampleId :

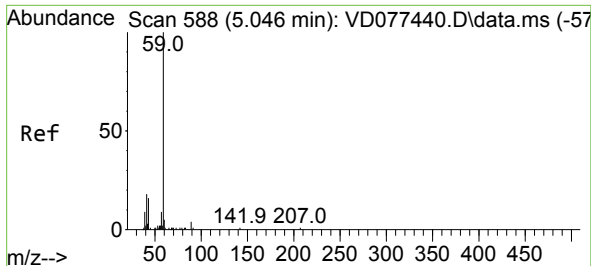
Tgt Ion:168 Resp: 141802
Ion Ratio Lower Upper
168 100
99 52.3 36.7 55.1



#10
Methyl Iodide
Concen: 6.773 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.012 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

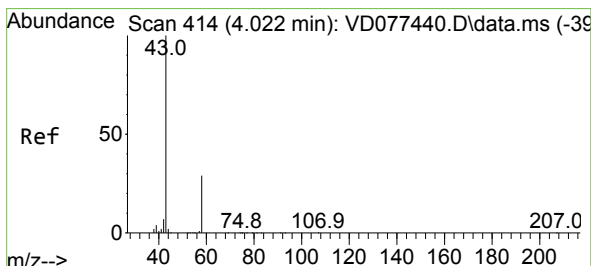
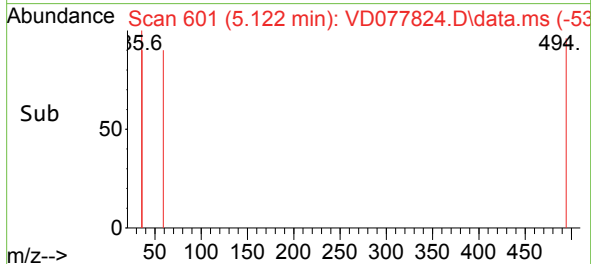
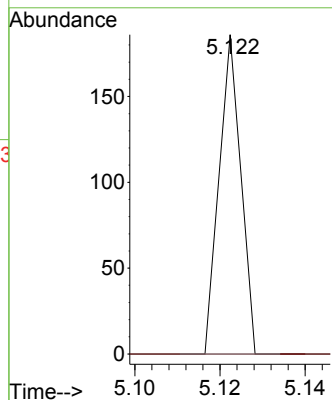
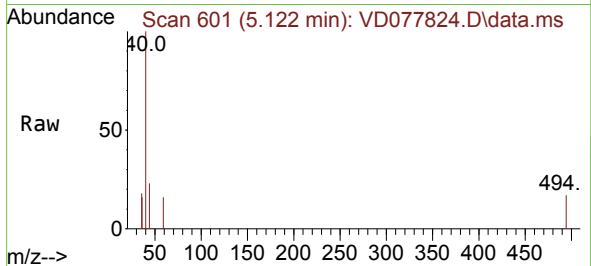




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.122 min Scan# 601
Delta R.T. 0.076 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

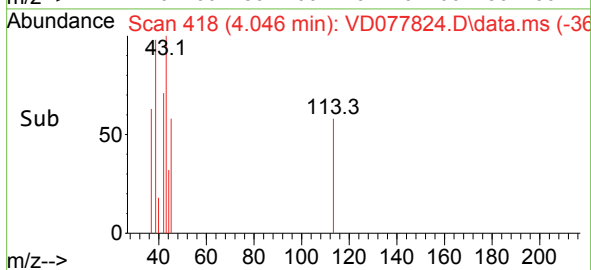
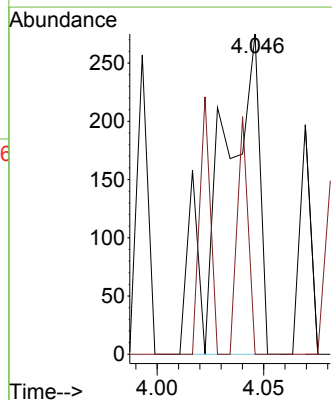
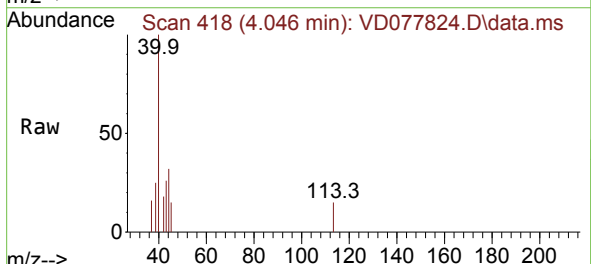
Instrument :
MSVOA_D
ClientSampleId :

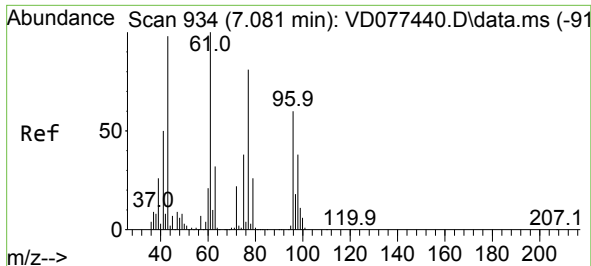
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.046 min Scan# 418
Delta R.T. 0.024 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

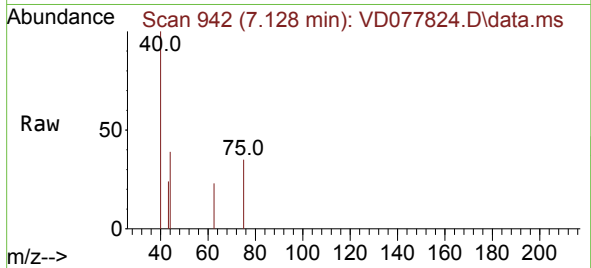
Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



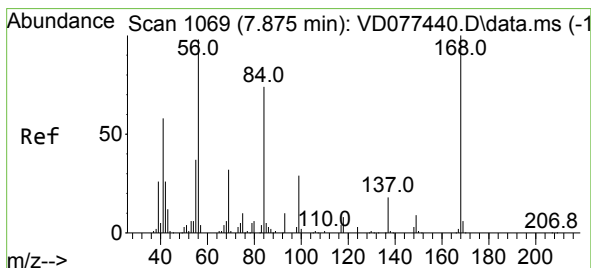
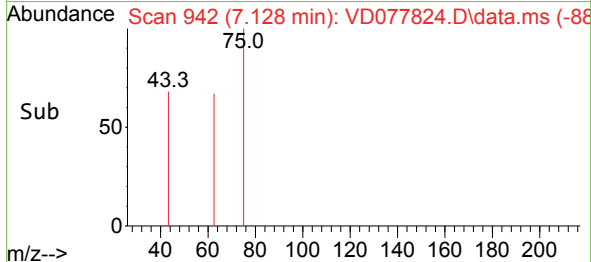
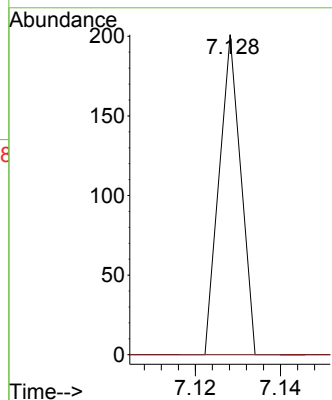


#25
2-Butanone
Concen: Below Cal
RT: 7.128 min Scan# 94
Delta R.T. 0.047 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Instrument :
MSVOA_D
ClientSampleId :

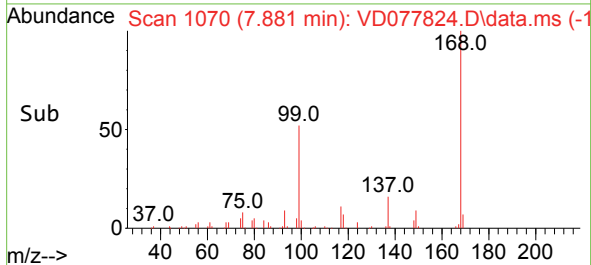
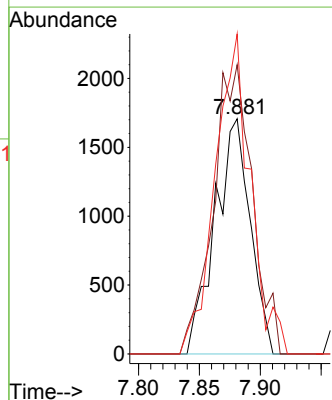
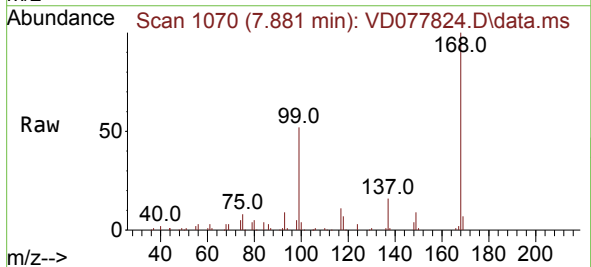


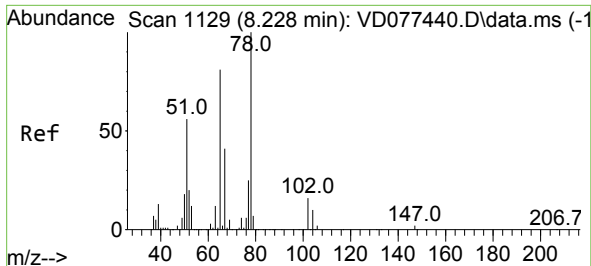
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Tgt Ion: 56 Resp: 3442
Ion Ratio Lower Upper
56 100
69 123.0 28.6 43.0#
84 136.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 55.167 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077824.D

Acq: 11 Dec 2023 21:04

Instrument :

MSVOA_D

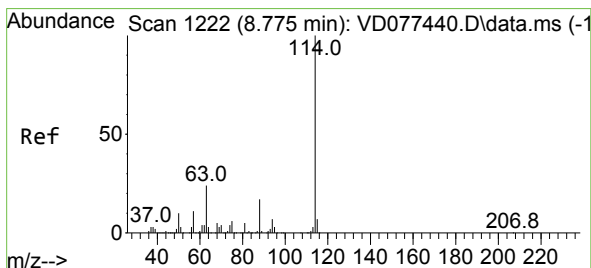
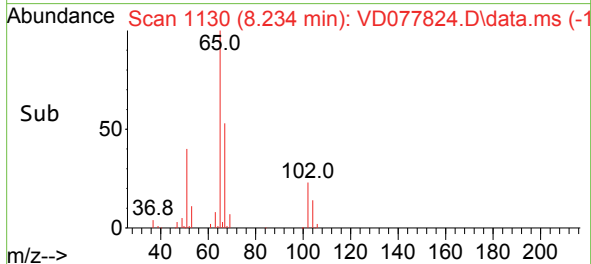
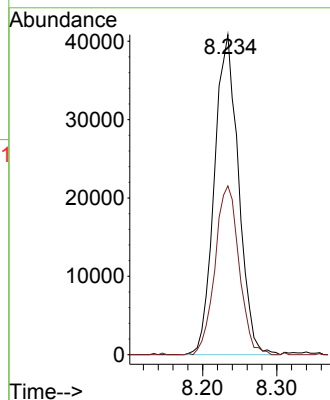
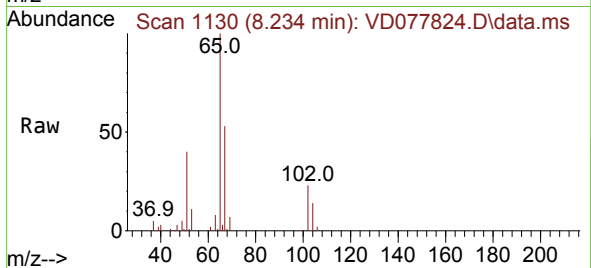
ClientSampleId :

Tgt Ion: 65 Resp: 92181

Ion Ratio Lower Upper

65 100

67 52.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077824.D

Acq: 11 Dec 2023 21:04

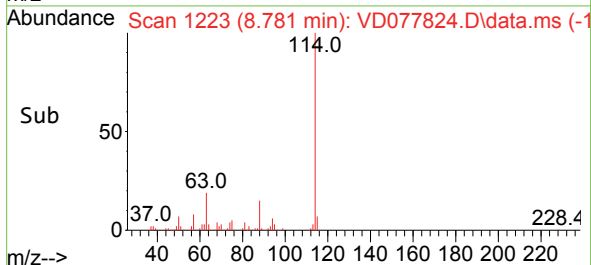
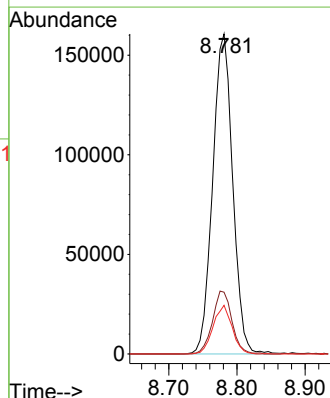
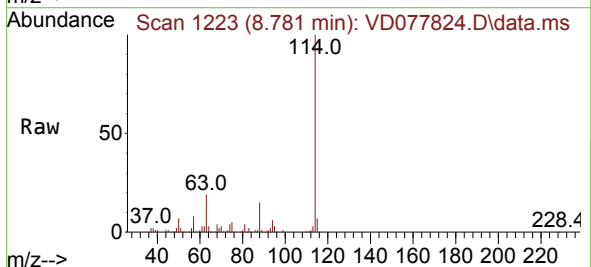
Tgt Ion: 114 Resp: 328541

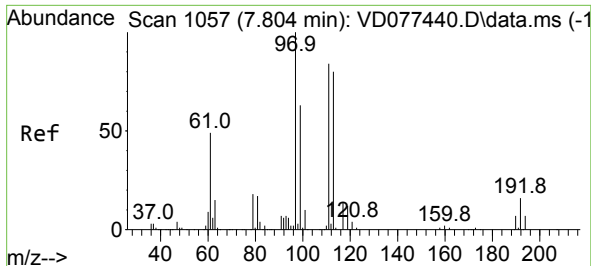
Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

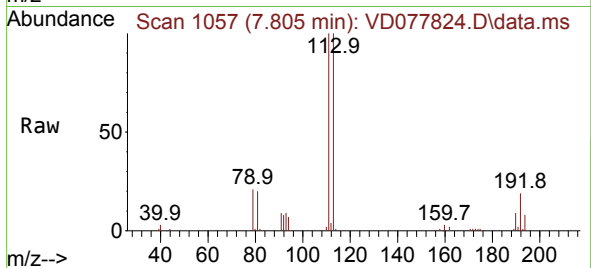
88 15.2 0.0 26.2



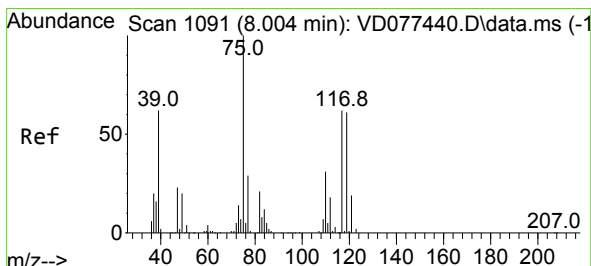
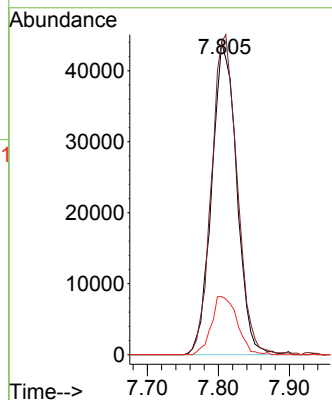
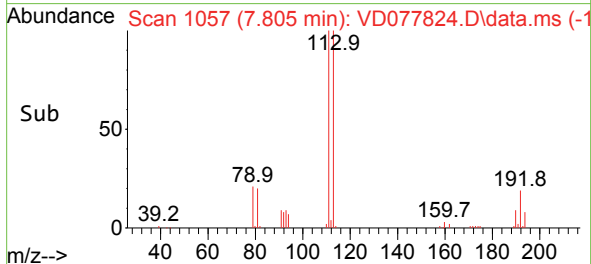


#35
Dibromofluoromethane
Concen: 46.646 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. 0.001 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Instrument :
MSVOA_D
ClientSampleId :

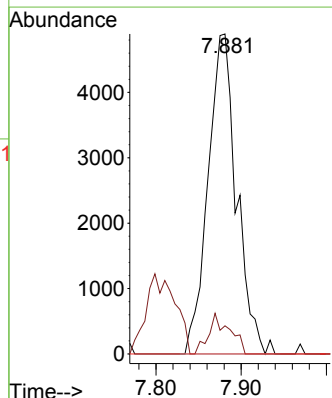
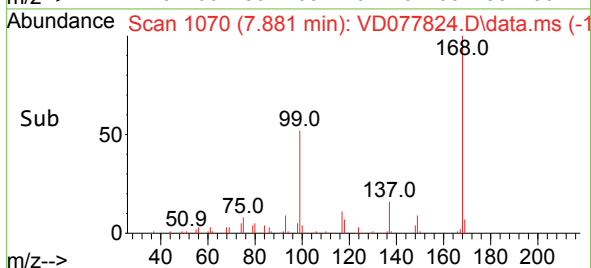
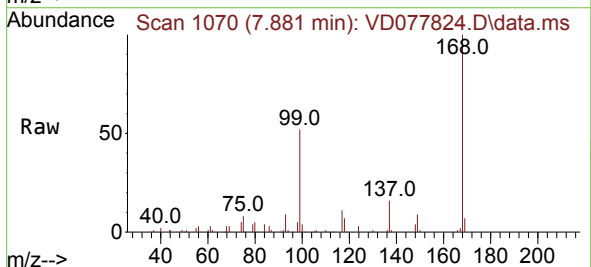


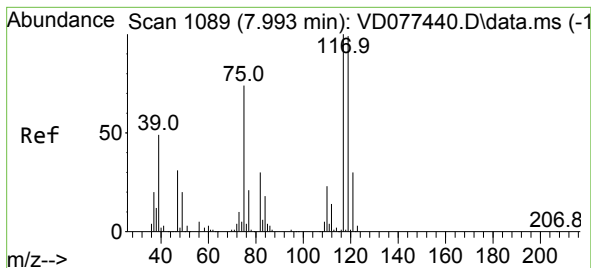
Tgt Ion:113 Resp: 107348
Ion Ratio Lower Upper
113 100
111 105.0 84.7 127.1
192 19.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.098 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Tgt Ion: 75 Resp: 11403
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.872 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

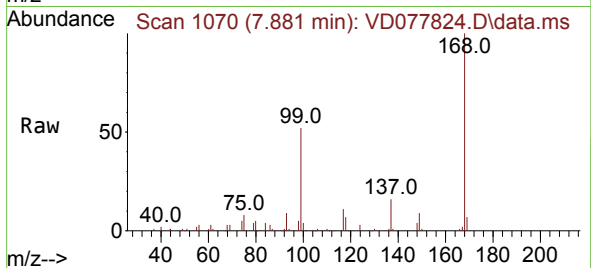
Lab File: VD077824.D

Acq: 11 Dec 2023 21:04

Instrument :

MSVOA_D

ClientSampleId :



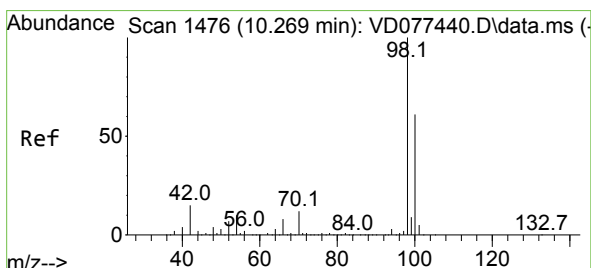
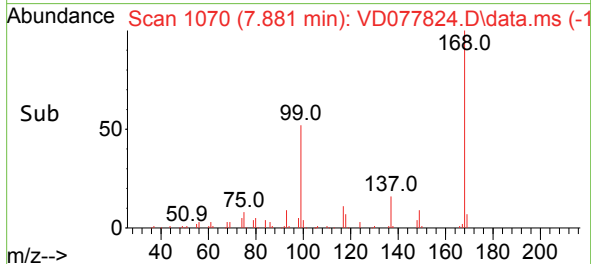
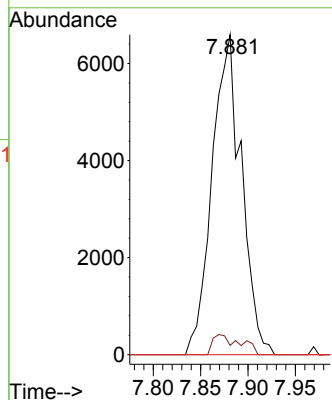
Tgt Ion:117 Resp: 14211

Ion Ratio Lower Upper

117 100

119 2.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.039 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077824.D

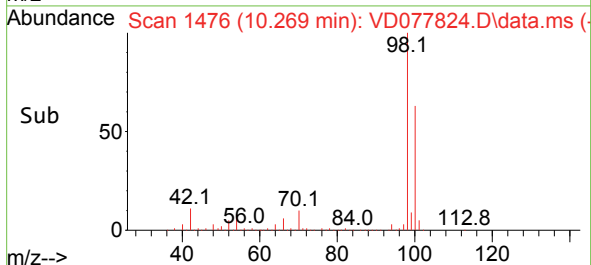
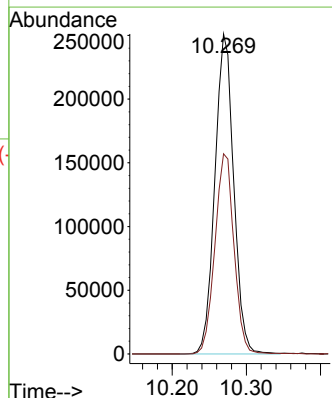
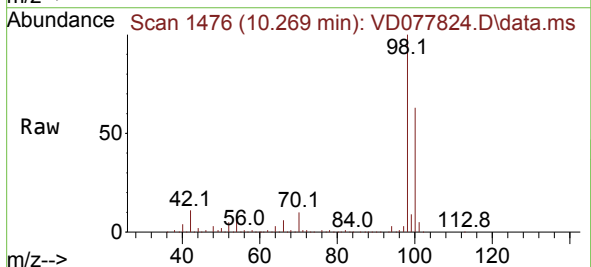
Acq: 11 Dec 2023 21:04

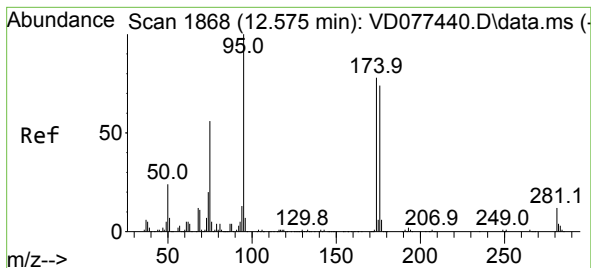
Tgt Ion: 98 Resp: 442782

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

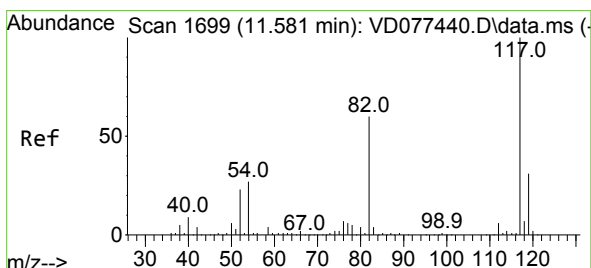
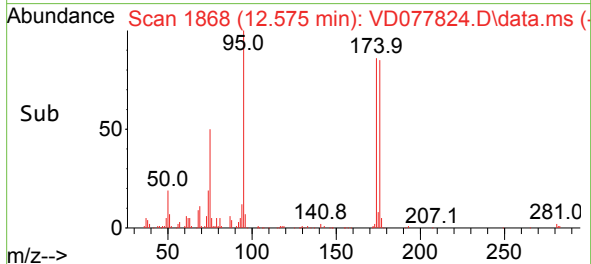
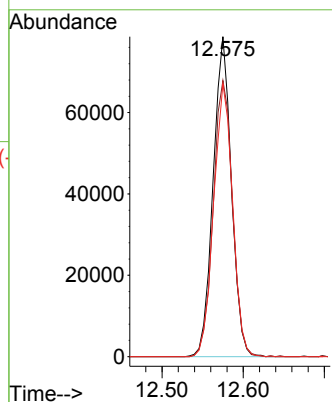
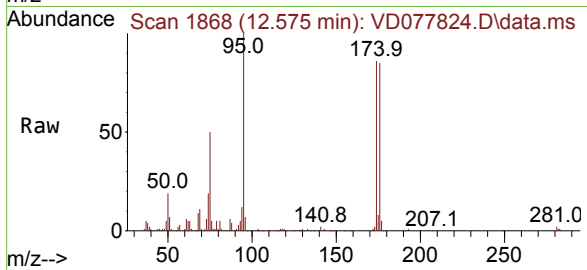




#62
4-Bromofluorobenzene
Concen: 44.699 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

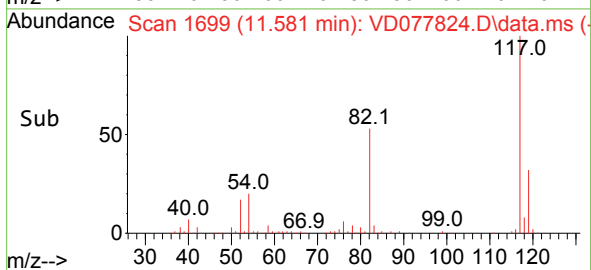
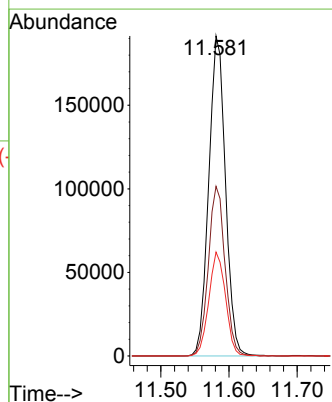
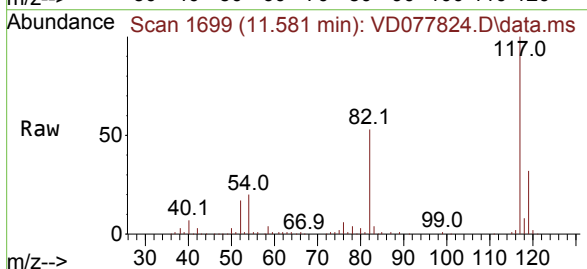
Instrument :
MSVOA_D
ClientSampleId :

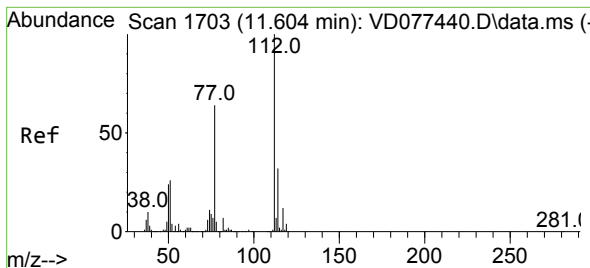
Tgt Ion: 95 Resp: 123176
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 88.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

Tgt Ion: 117 Resp: 326854
Ion Ratio Lower Upper
117 100
82 53.0 38.3 57.5
119 32.4 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.598 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077824.D

Acq: 11 Dec 2023 21:04

Instrument :

MSVOA_D

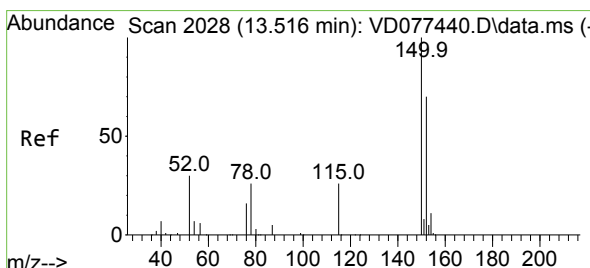
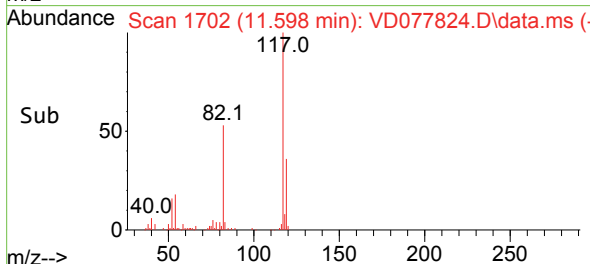
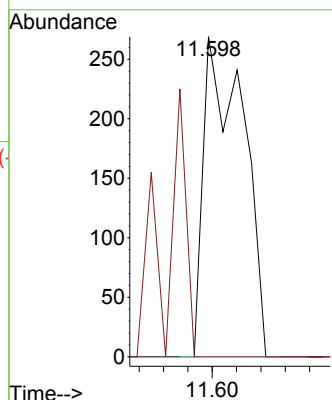
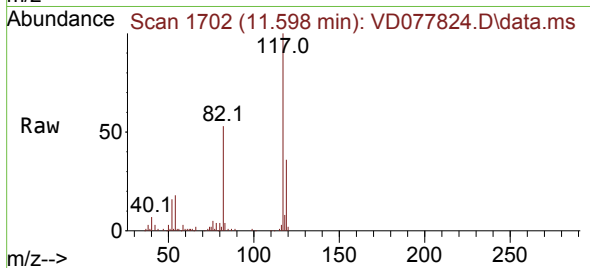
ClientSampleId :

Tgt Ion:112 Resp: 304

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: VD077824.D

Acq: 11 Dec 2023 21:04

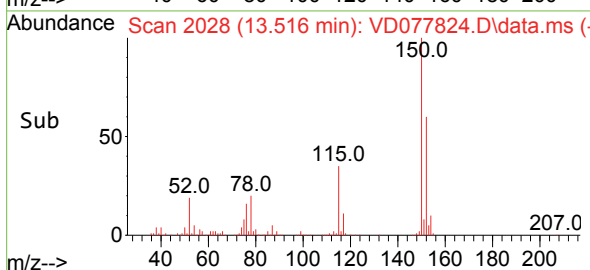
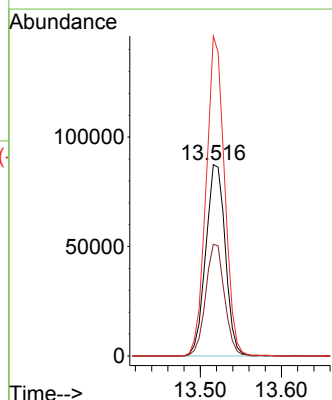
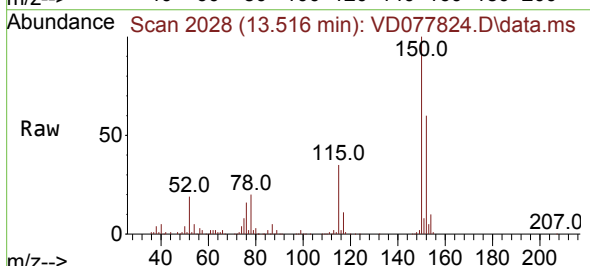
Tgt Ion:152 Resp: 146003

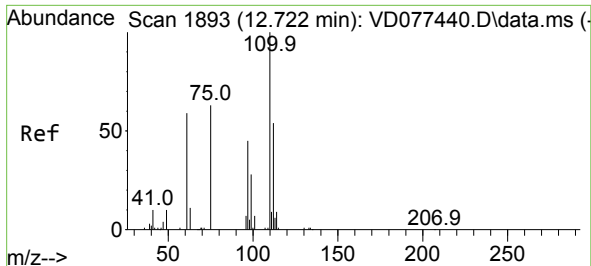
Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 157.5 0.0 353.6

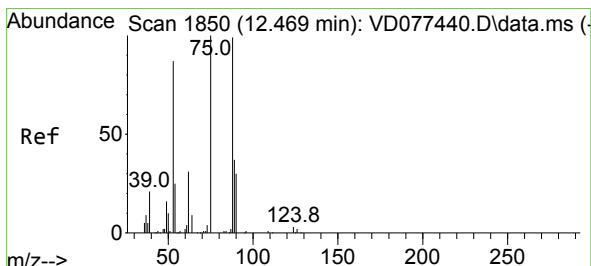
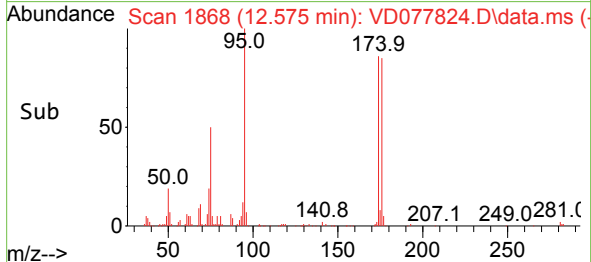
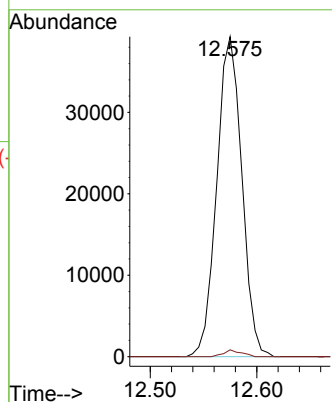
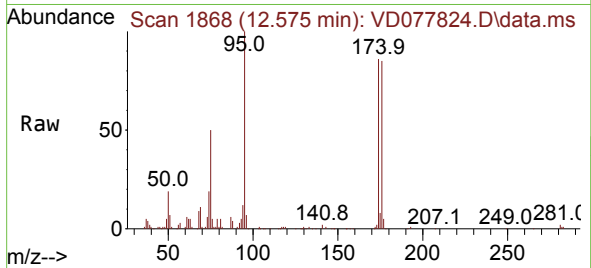




#76
1,2,3-Trichloropropane
Concen: 50.562 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

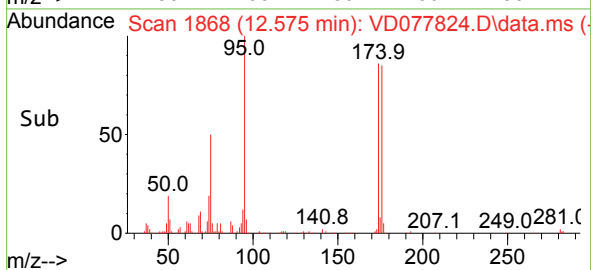
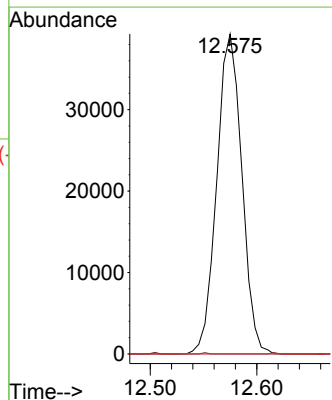
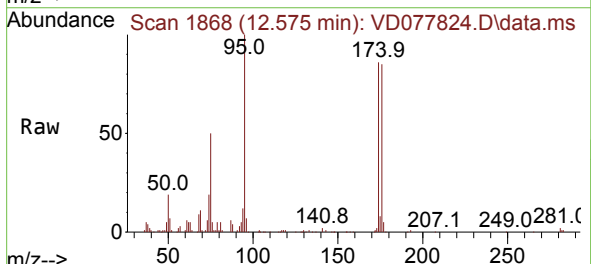
Instrument :
MSVOA_D
ClientSampleId :

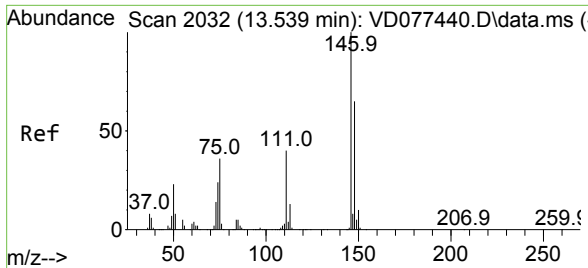
Tgt Ion: 75 Resp: 64115
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.442 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077824.D
Acq: 11 Dec 2023 21:04

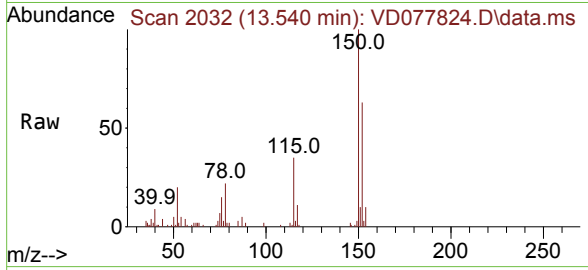
Tgt Ion: 75 Resp: 64115
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.001 min
 Lab File: VD077824.D
 Acq: 11 Dec 2023 21:04

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	548
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

