

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077843.D
 Acq On : 12 Dec 2023 15:44
 Operator : JC/SY
 Sample : 05628-03RE
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-7.5-8.0

Quant Time: Dec 12 16:53:08 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)

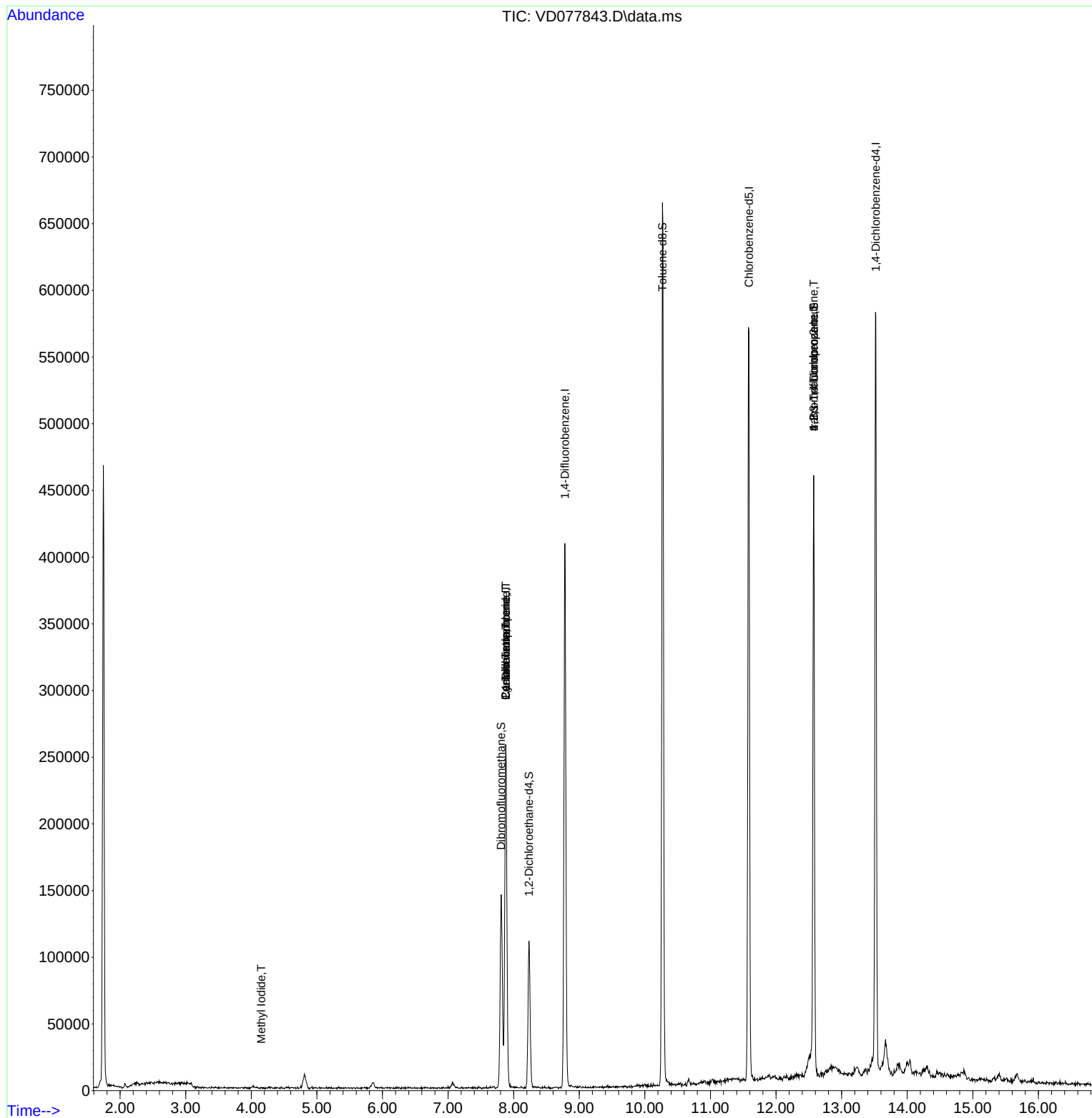
Internal Standards						
1) Pentafluorobenzene	7.881	168	201970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	339812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	152792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86159	36.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.400%		
35) Dibromofluoromethane	7.810	113	103108	40.100	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.200%		
50) Toluene-d8	10.269	98	464764	45.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.260%		
62) 4-Bromofluorobenzene	12.575	95	135602	44.042	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.080%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	55	6.764	ug/l #	46
11) Tert butyl alcohol	5.034	59	67	Below Cal	#	73
16) Acetone	4.034	43	1784	Below Cal	#	75
20) Methylene Chloride	4.811	84	8096	Below Cal	#	84
25) 2-Butanone	7.093	43	56	Below Cal	#	37
31) Cyclohexane	7.881	56	4785	1.130	ug/l #	38
36) 1,1-Dichloropropene	7.881	75	15132	3.679	ug/l #	48
38) Carbon Tetrachloride	7.881	117	20388	4.972	ug/l #	15
65) Chlorobenzene	11.616	112	388	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	68361	51.515	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	68361	104.373	ug/l #	18
88) 1,4-Dichlorobenzene	13.528	146	948	Below Cal	#	72
92) 1,2-Dibromo-3-Chloropr...	14.569	75	57	Below Cal	#	44

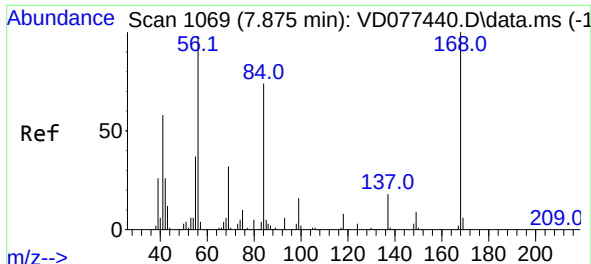
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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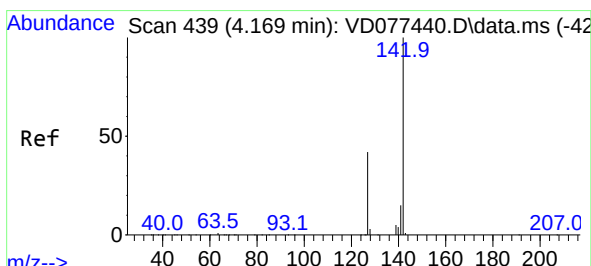
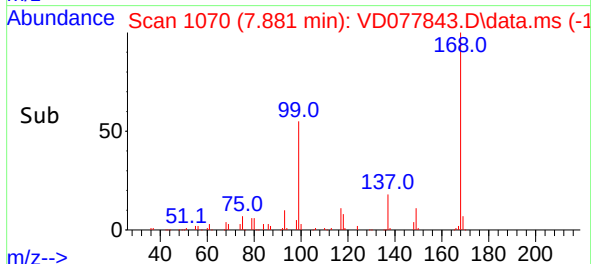
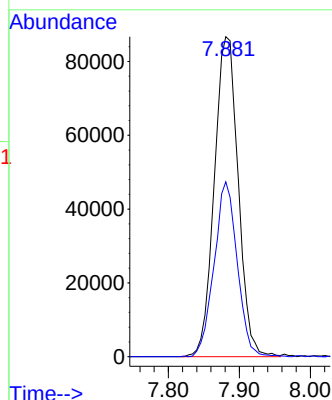
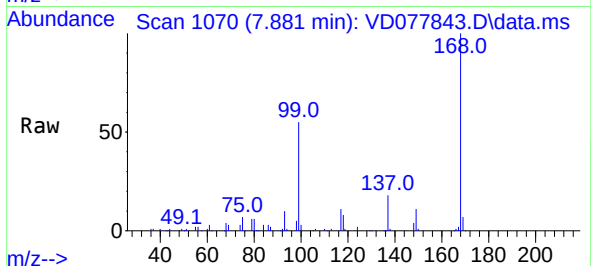




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

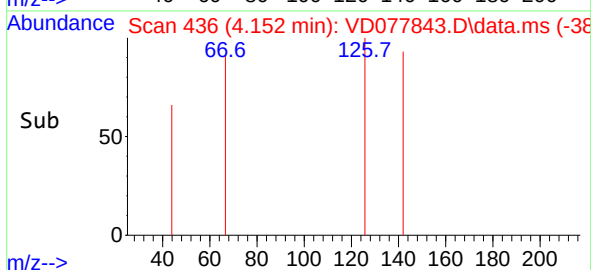
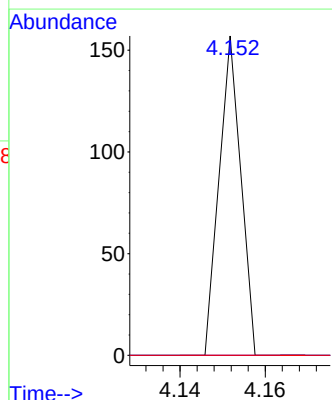
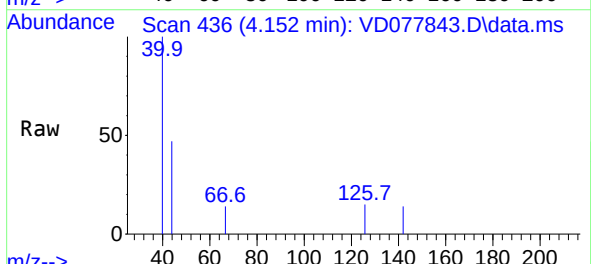
Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

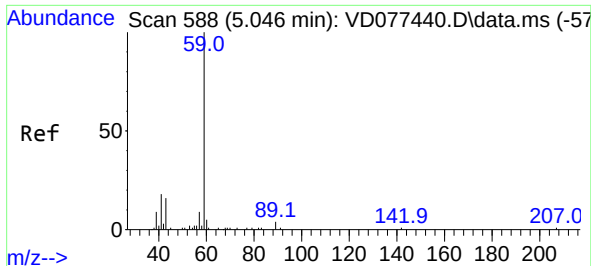
Tgt Ion:168 Resp: 201970
Ion Ratio Lower Upper
168 100
99 54.6 36.7 55.1



#10
Methyl Iodide
Concen: 6.764 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.017 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

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: 5.034 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD077843.D

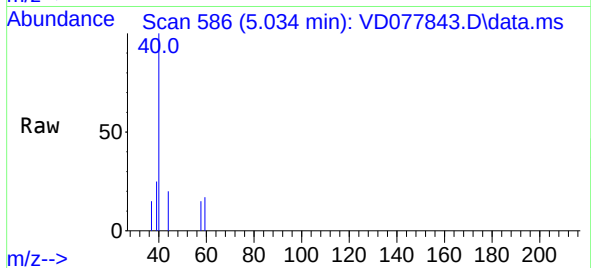
Acq: 12 Dec 2023 15:44

Instrument :

MSVOA_D

ClientSampleId :

SB-02-7.5-8.0

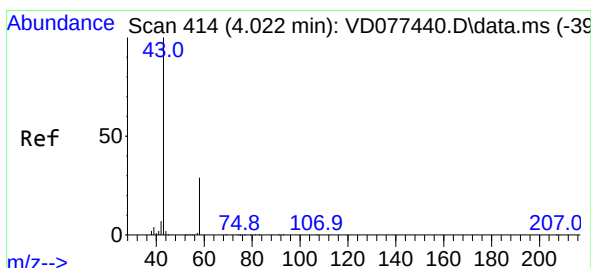
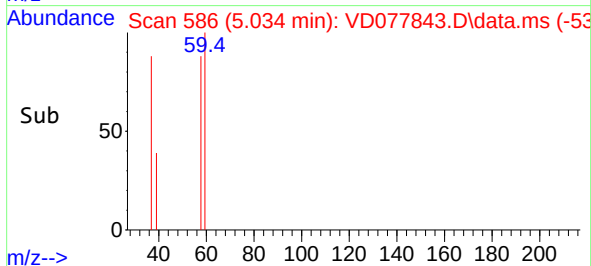
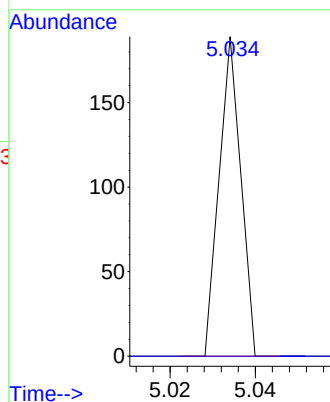


Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD077843.D

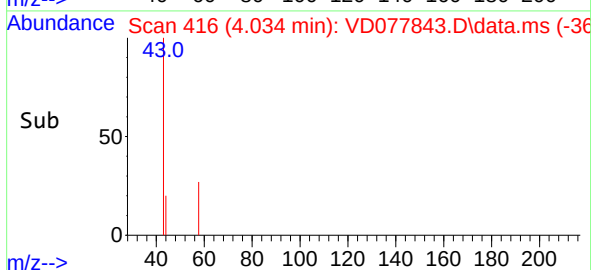
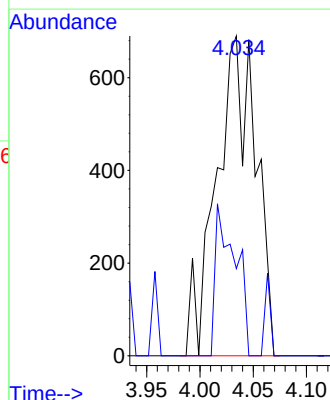
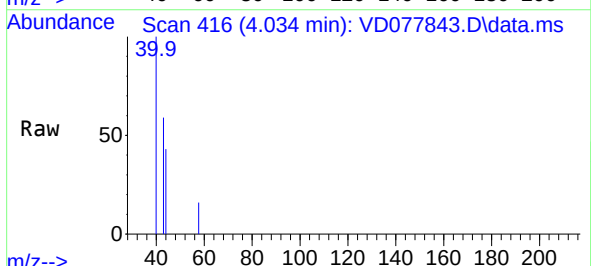
Acq: 12 Dec 2023 15:44

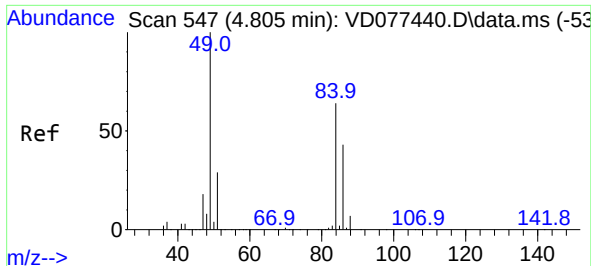
Tgt Ion: 43 Resp: 1784

Ion Ratio Lower Upper

43 100

58 27.2 34.7 52.1#

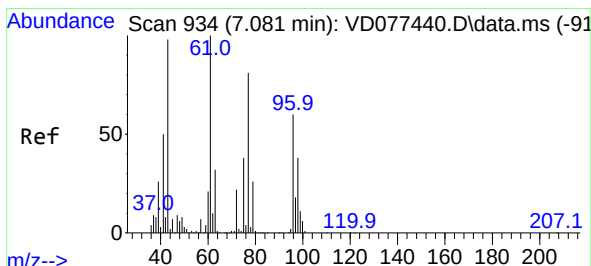
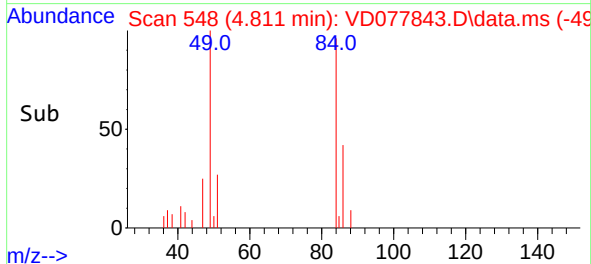
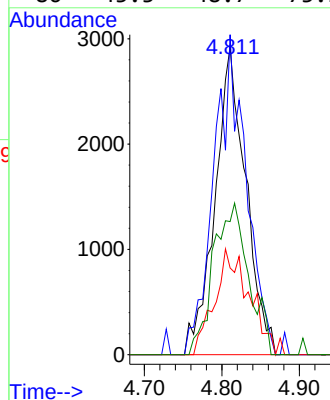
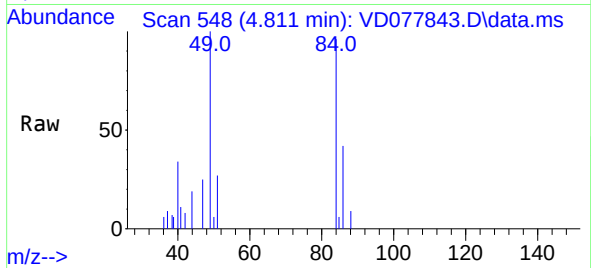




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

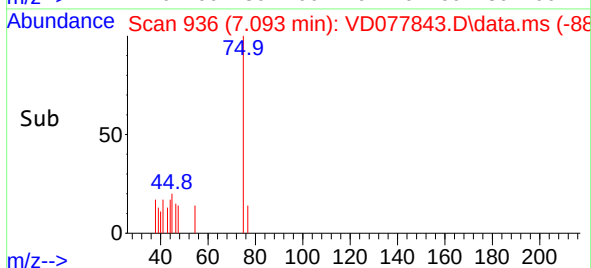
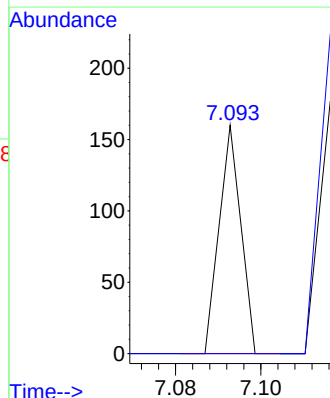
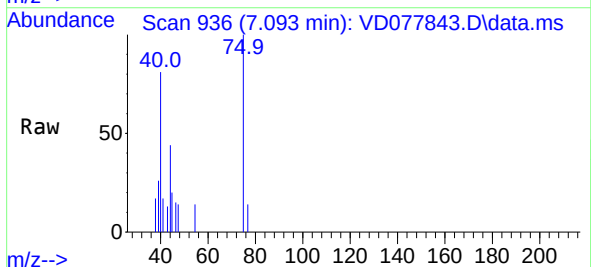
Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

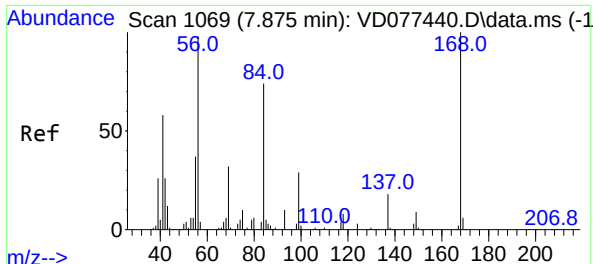
Tgt Ion: 84 Resp: 8096
Ion Ratio Lower Upper
84 100
49 104.1 71.4 107.2
51 28.2 24.5 36.7
86 43.3 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

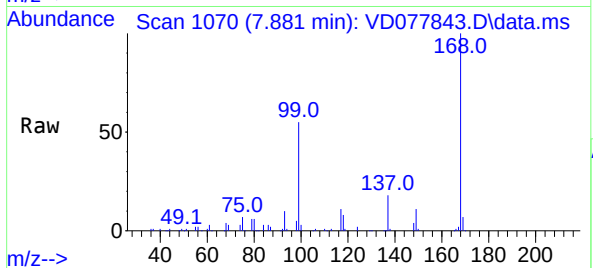
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



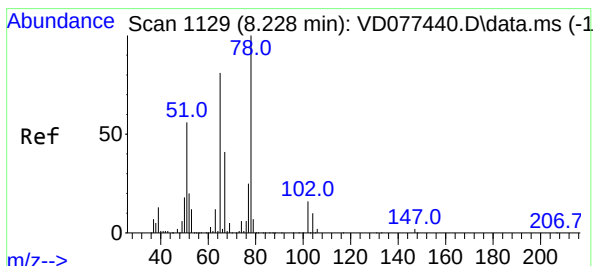
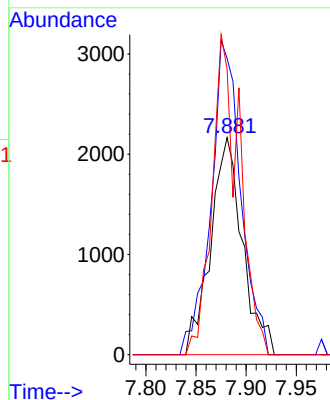
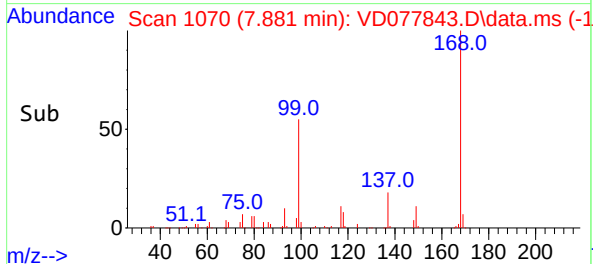


#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

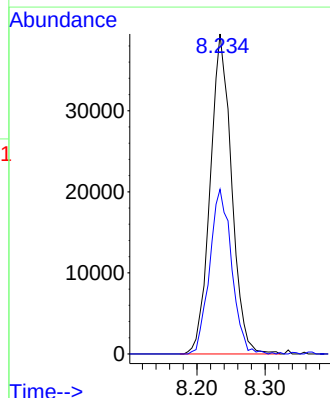
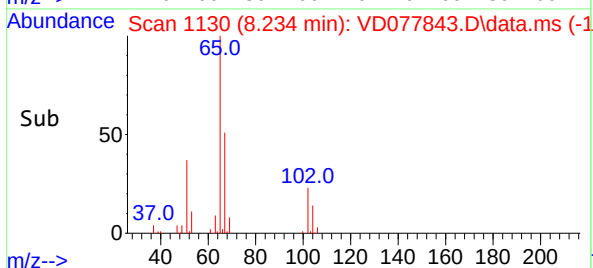
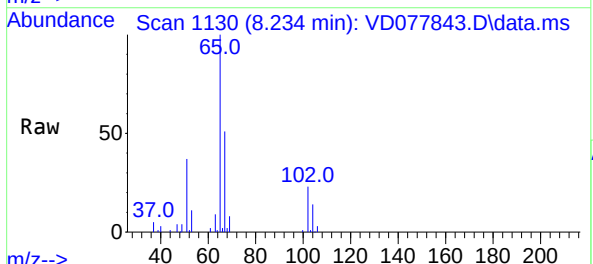


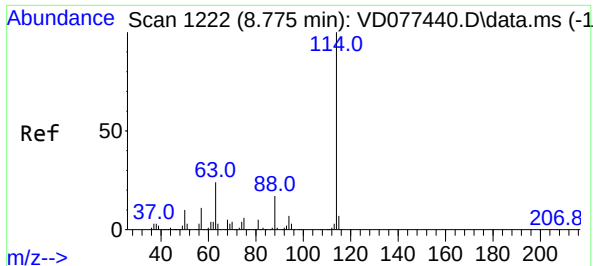
Tgt Ion: 56 Resp: 4785
Ion Ratio Lower Upper
56 100
69 136.4 28.6 43.0#
84 131.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 36.202 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Tgt Ion: 65 Resp: 86159
Ion Ratio Lower Upper
65 100
67 52.9 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: VD077843.D

Acq: 12 Dec 2023 15:44

Instrument :

MSVOA_D

ClientSampleId :

SB-02-7.5-8.0

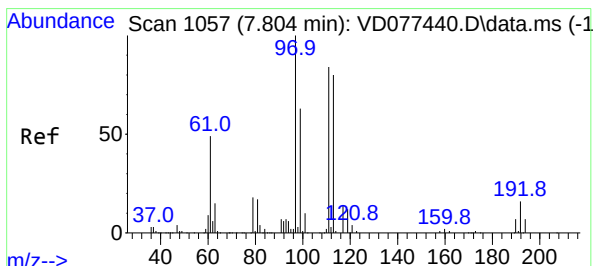
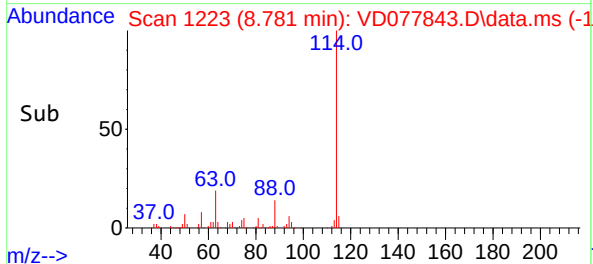
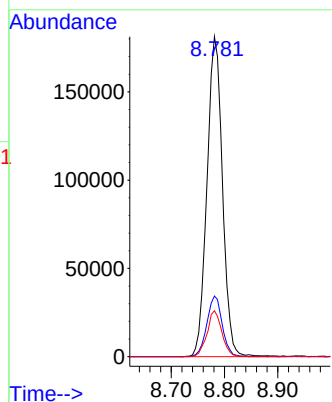
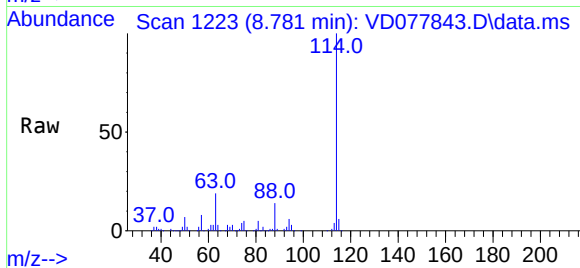
Tgt Ion:114 Resp: 367080

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 40.100 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077843.D

Acq: 12 Dec 2023 15:44

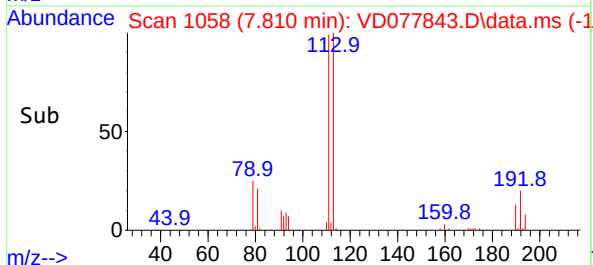
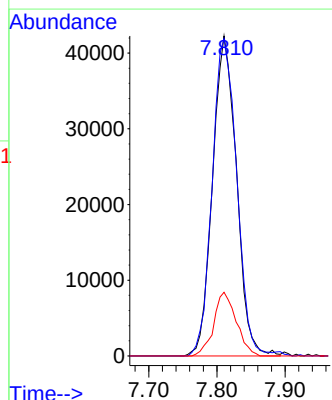
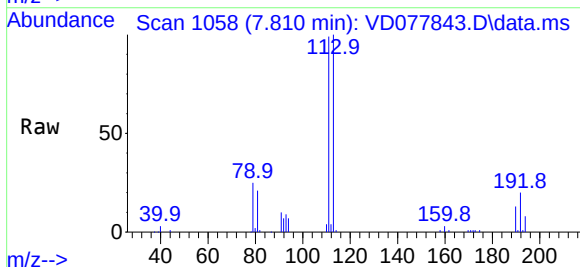
Tgt Ion:113 Resp: 103108

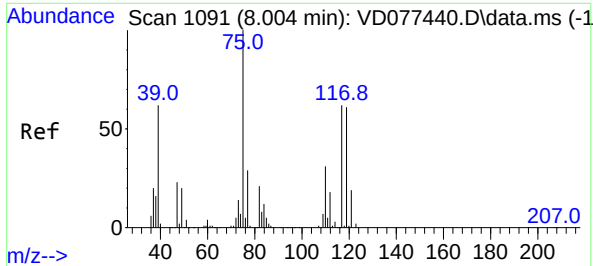
Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 18.8 16.8 25.2



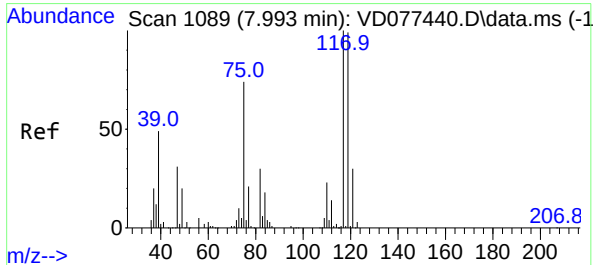
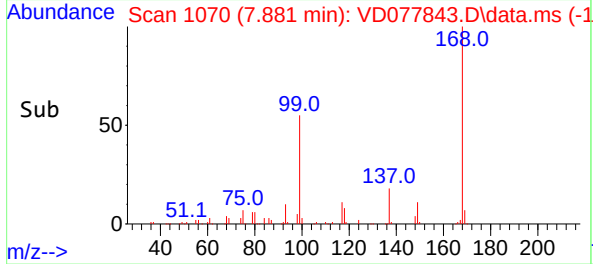
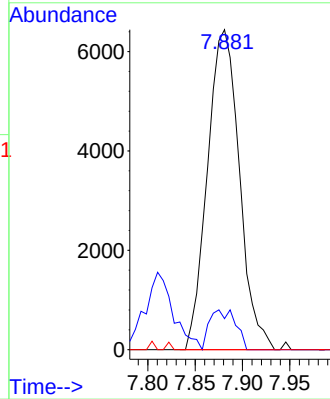
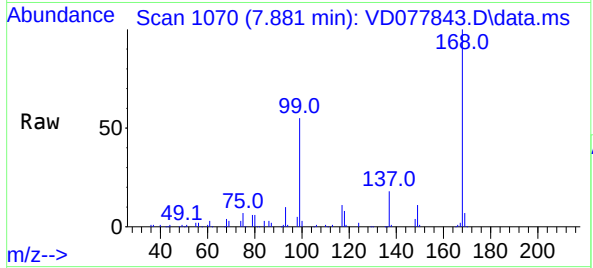


#36
1,1-Dichloropropene
Concen: 3.679 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

Tgt Ion: 75 Resp: 15132

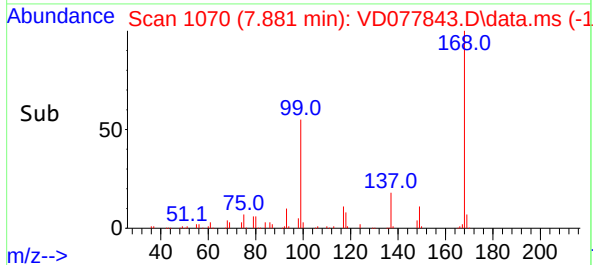
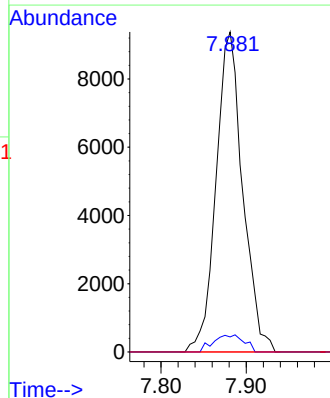
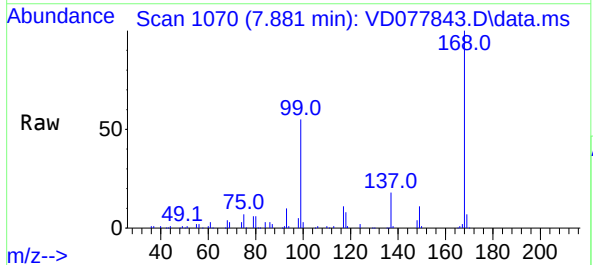
Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.9	59.6#
77	0.0	24.7	37.1#

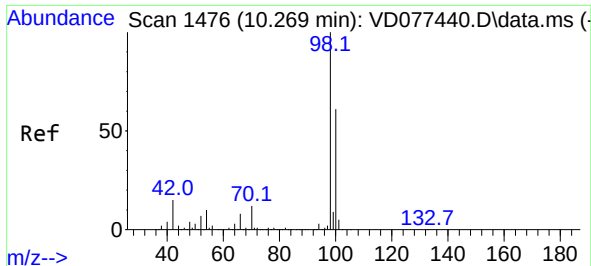


#38
Carbon Tetrachloride
Concen: 4.972 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Tgt Ion: 117 Resp: 20388

Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.0	117.0#
121	0.0	24.2	36.2#

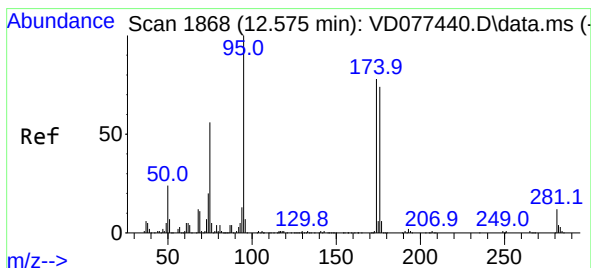
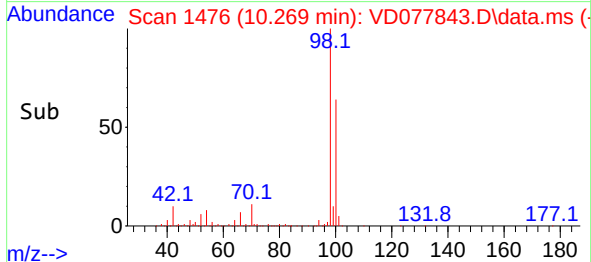
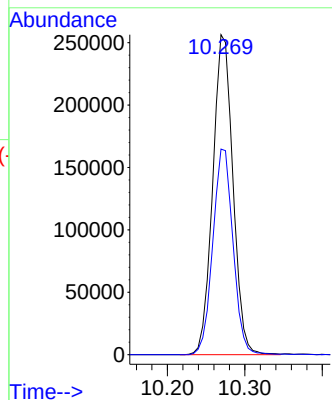
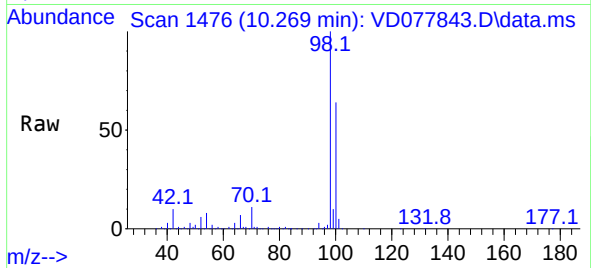




#50
Toluene-d8
Concen: 45.130 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

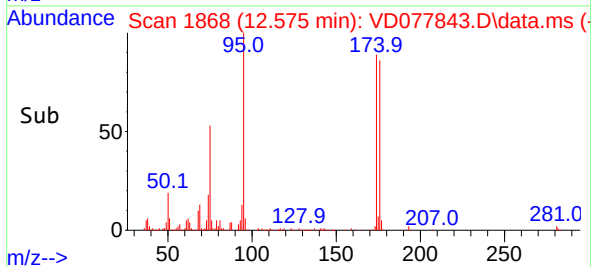
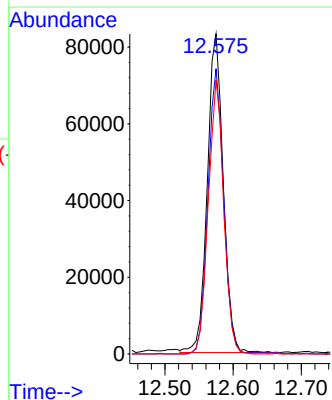
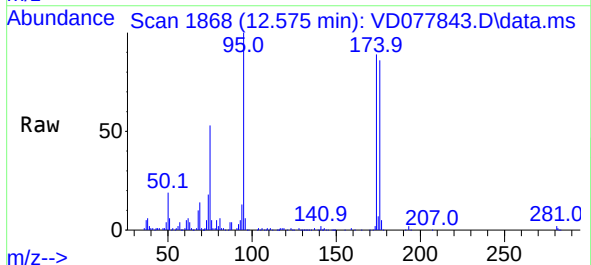
Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

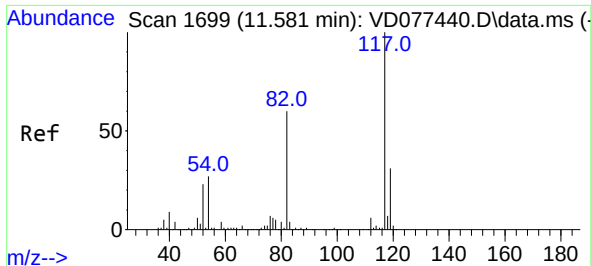
Tgt Ion: 98 Resp: 464764
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.042 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Tgt Ion: 95 Resp: 135602
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 83.0 0.0 191.8

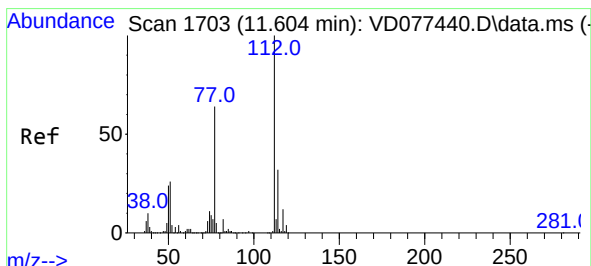
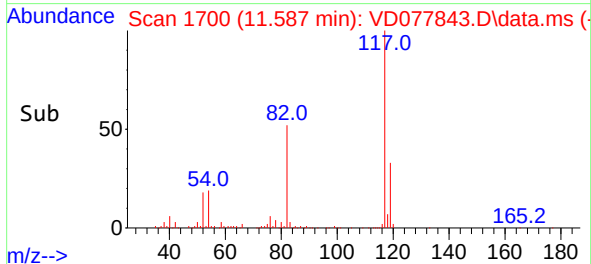
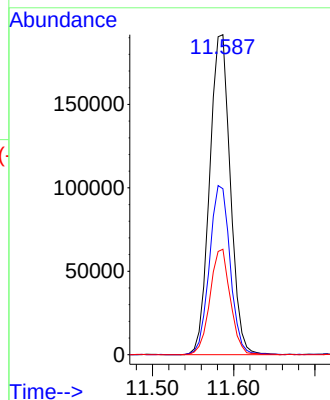
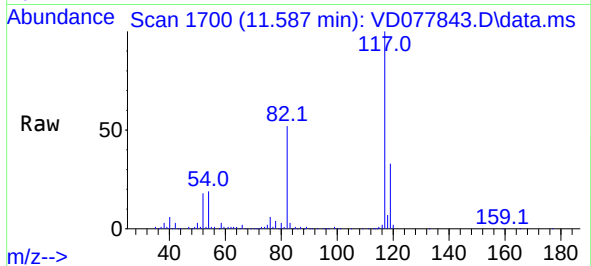




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

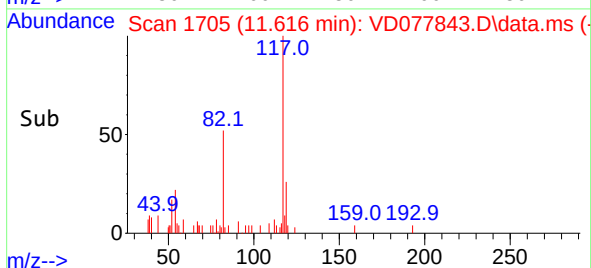
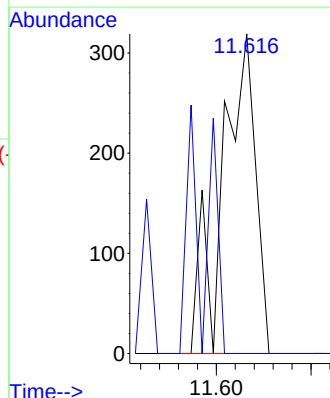
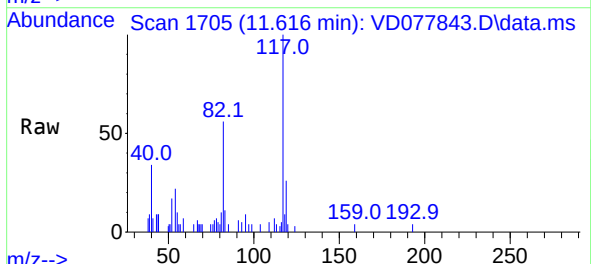
Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

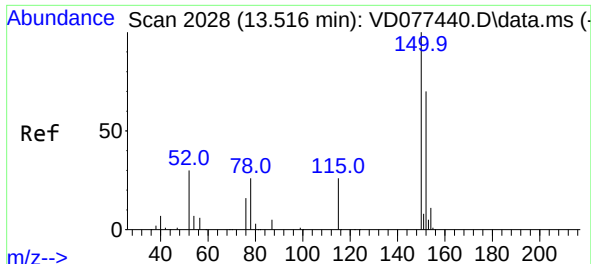
Tgt Ion:117 Resp: 339812
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 32.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

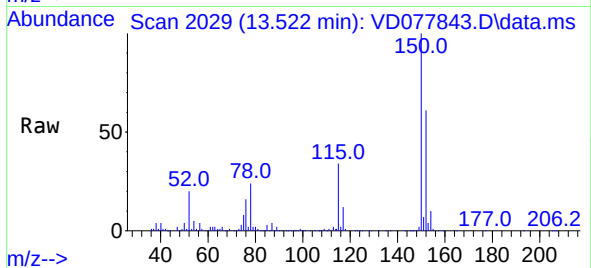
Tgt Ion:112 Resp: 388
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



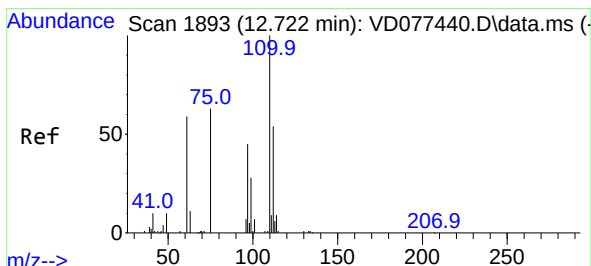
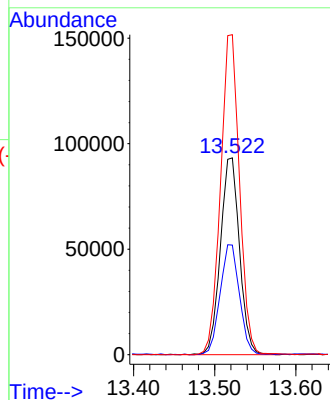
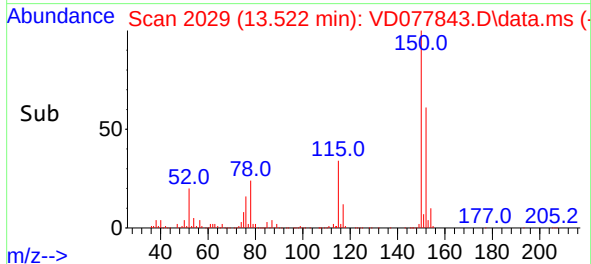


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

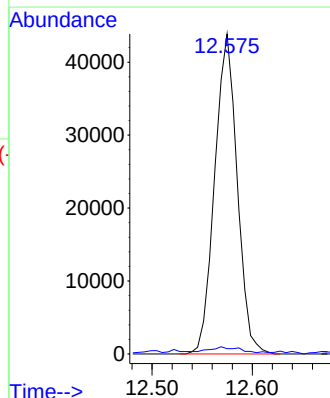
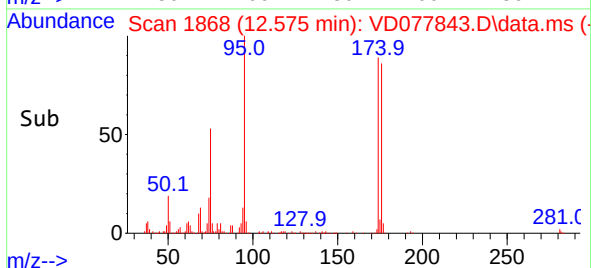
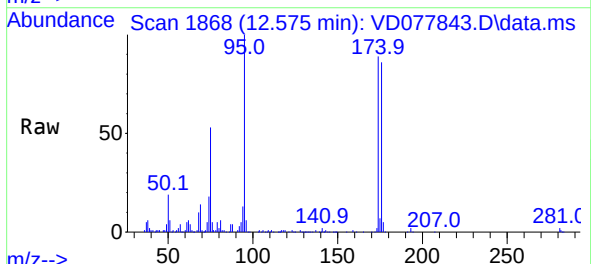


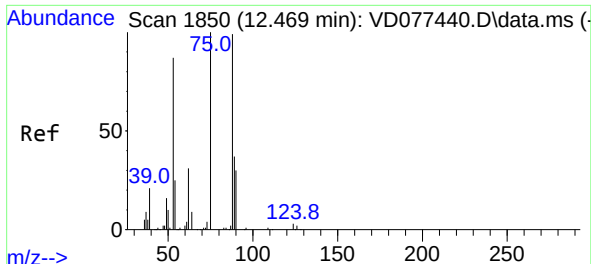
Tgt Ion:152 Resp: 152792
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 161.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 51.515 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Tgt Ion: 75 Resp: 68361
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#

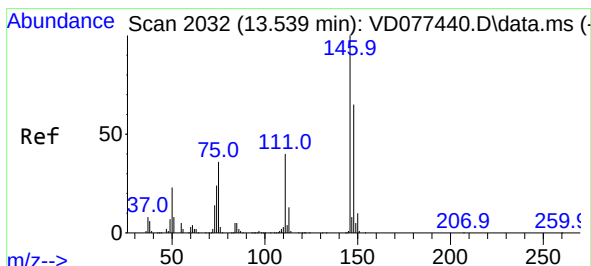
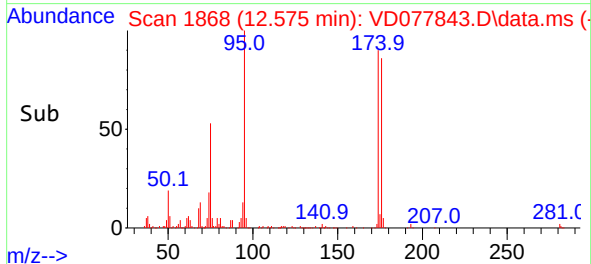
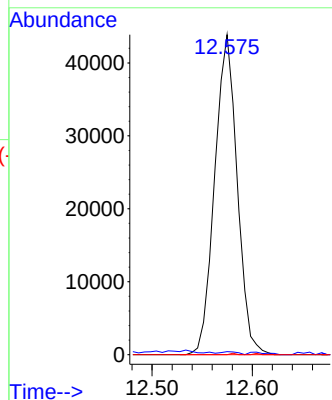
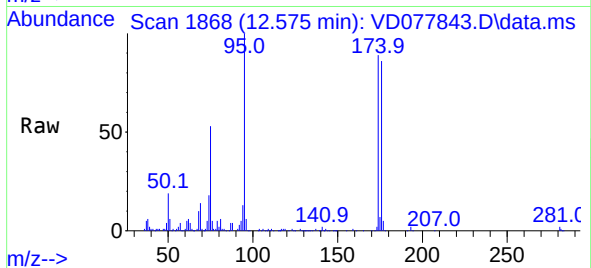




#81
trans-1,4-Dichloro-2-butene
Concen: 104.373 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077843.D
Acq: 12 Dec 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

Tgt Ion: 75 Resp: 68361
Ion Ratio Lower Upper
75 100
53 0.7 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: VD077843.D
Acq: 12 Dec 2023 15:44

Tgt Ion:146 Resp: 948
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 71.9 31.7 95.1

