

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077844.D
 Acq On : 12 Dec 2023 16:11
 Operator : JC/SY
 Sample : 05726-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2

Quant Time: Dec 12 16:11:54 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)

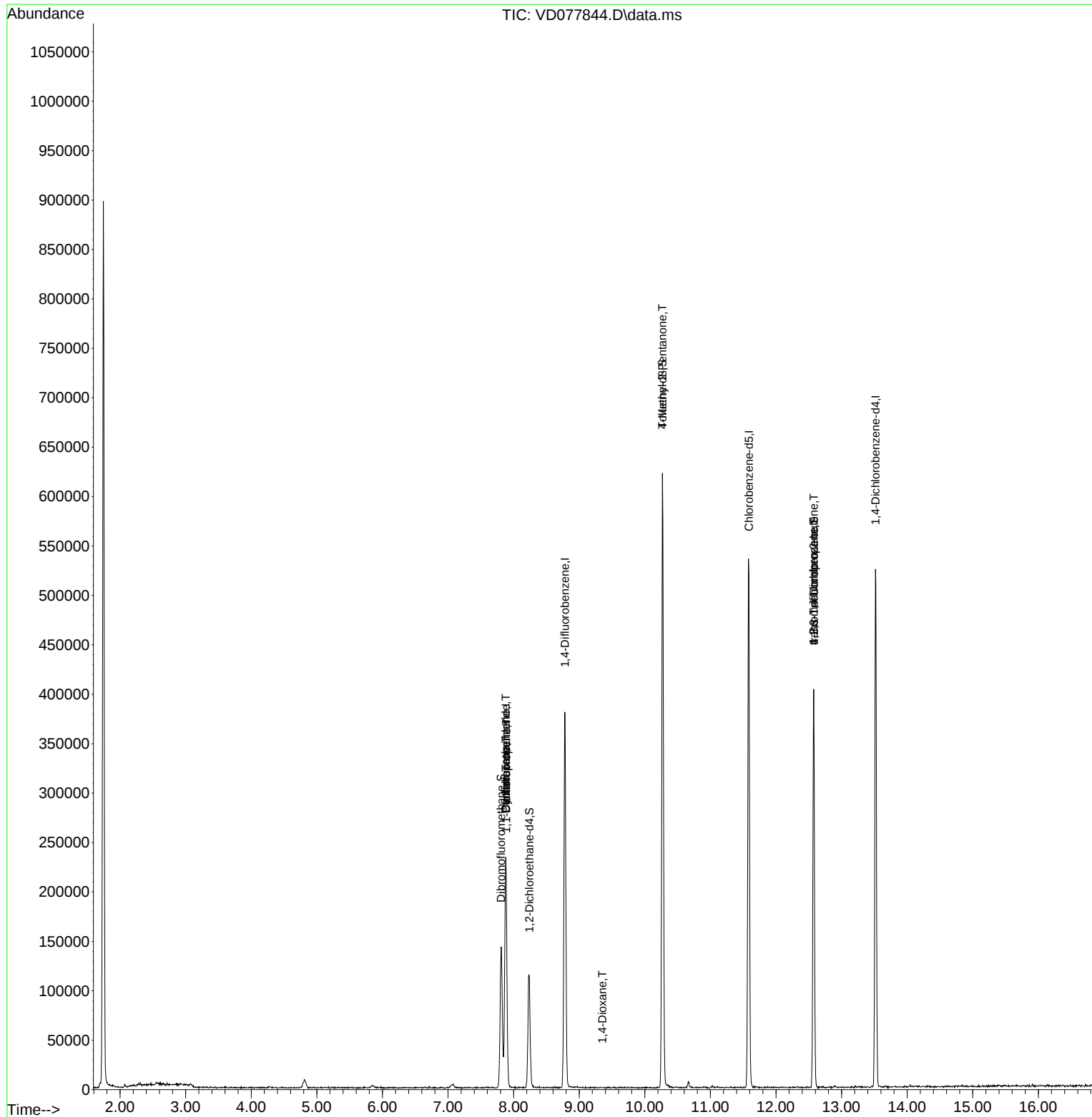
Internal Standards						
1) Pentafluorobenzene	7.881	168	181109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	332785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	313931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	142521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	90440	42.378	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.760%		
35) Dibromofluoromethane	7.810	113	103417	44.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.740%		
50) Toluene-d8	10.269	98	428701	45.918	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.840%		
62) 4-Bromofluorobenzene	12.575	95	121876	43.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.846	59	54	Below Cal	#	73
16) Acetone	4.028	43	74	Below Cal	#	32
20) Methylene Chloride	4.816	84	6381	Below Cal	#	89
25) 2-Butanone	7.075	43	125	Below Cal	#	37
31) Cyclohexane	7.881	56	4068	1.072	ug/l #	39
36) 1,1-Dichloropropene	7.887	75	14111	3.784	ug/l #	50
38) Carbon Tetrachloride	7.881	117	17667	4.753	ug/l #	16
49) 1,4-Dioxane	9.351	88	58	4.291	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	1969	1.493	ug/l #	1
65) Chlorobenzene	11.593	112	58	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	64783	52.337	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64783	106.039	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	258	Below Cal	#	26

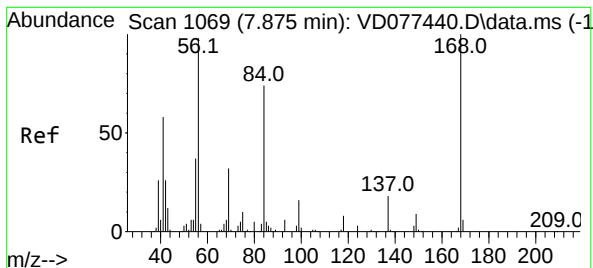
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

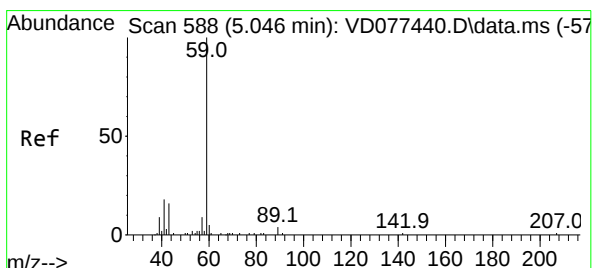
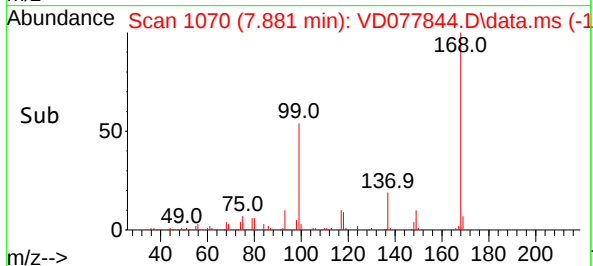
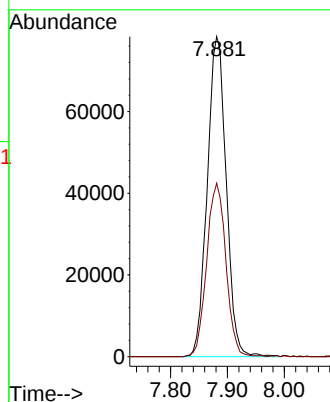
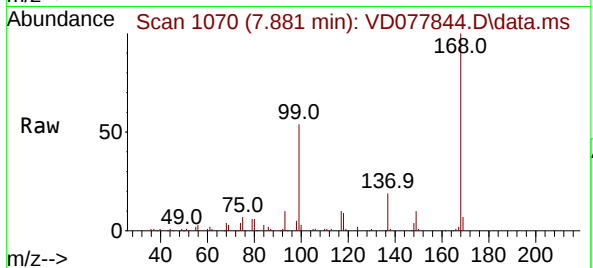
WC-2

Tgt Ion:168 Resp: 181109

Ion Ratio Lower Upper

168 100

99 54.2 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.846 min Scan# 554

Delta R.T. -0.200 min

Lab File: VD077844.D

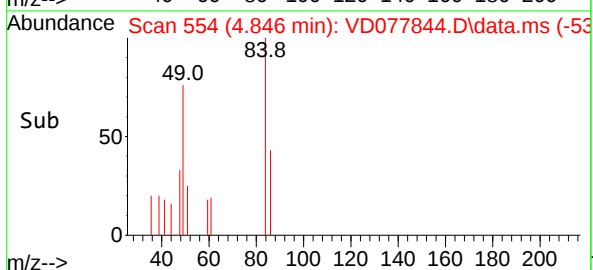
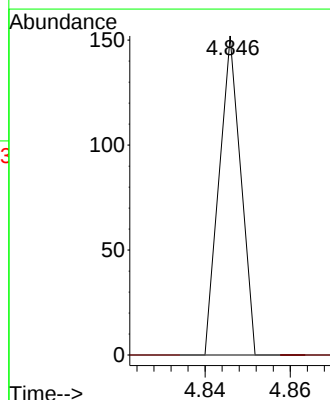
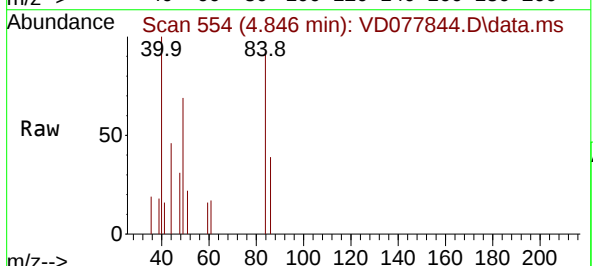
Acq: 12 Dec 2023 16:11

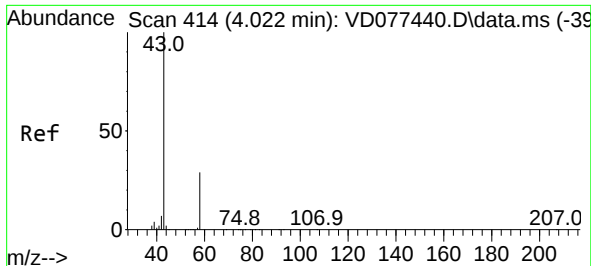
Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

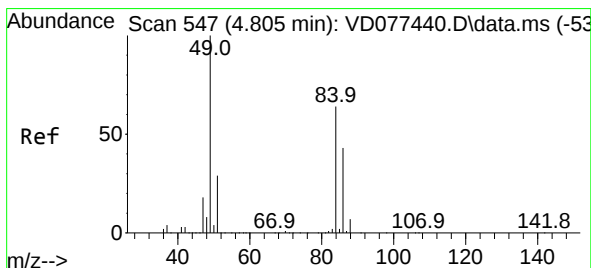
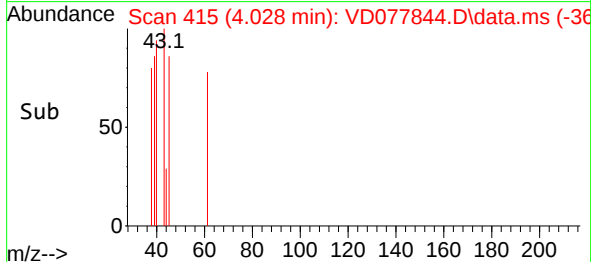
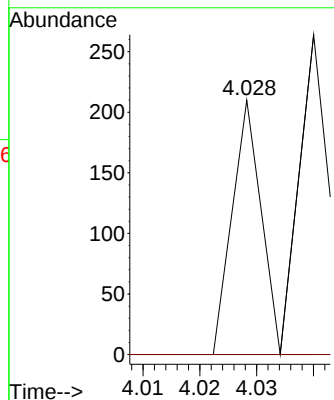
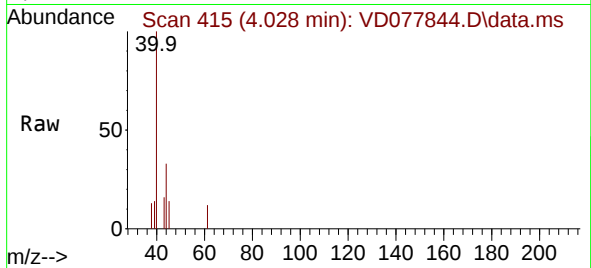




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

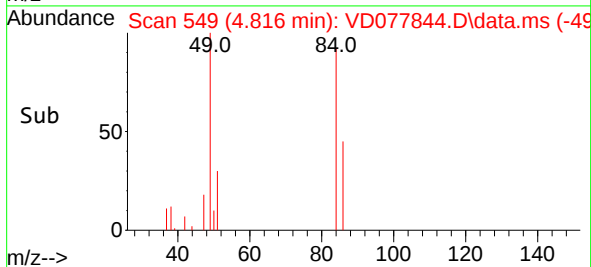
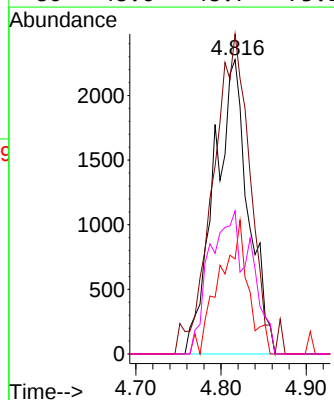
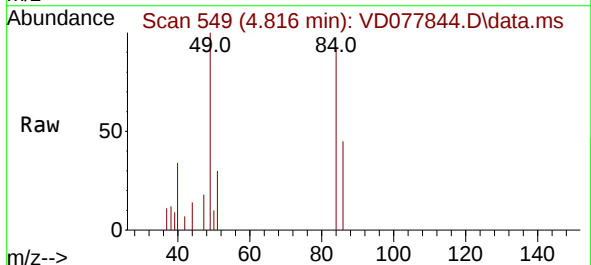
Instrument :
MSVOA_D
ClientSampleId :
WC-2

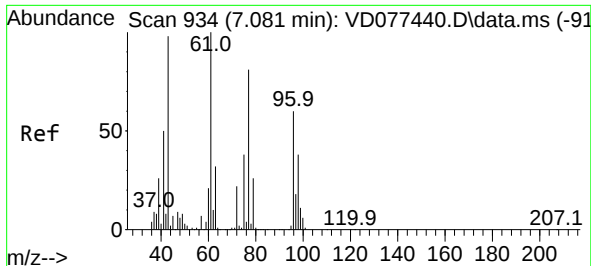
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 84 Resp: 6381
Ion Ratio Lower Upper
84 100
49 98.4 71.4 107.2
51 32.3 24.5 36.7
86 48.6 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

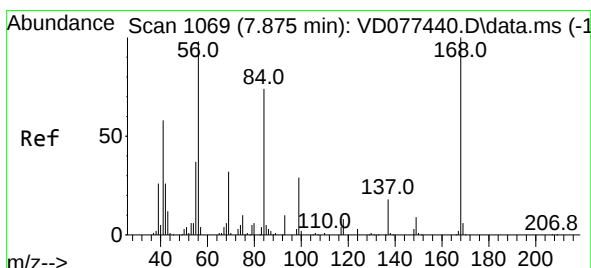
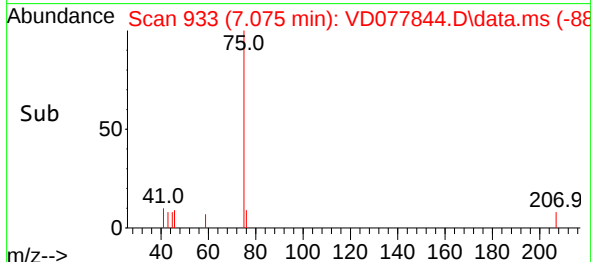
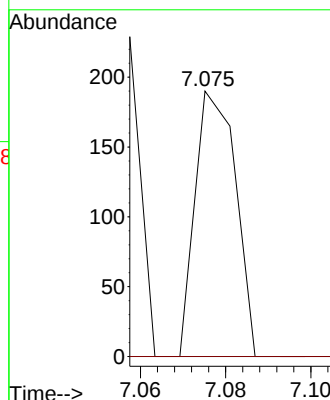
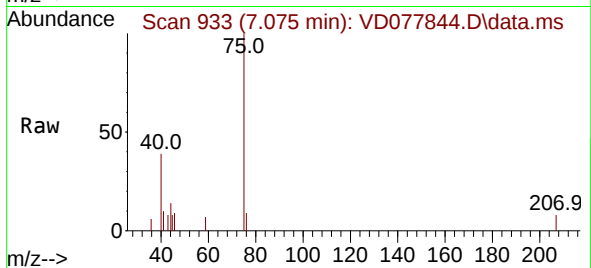
WC-2

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

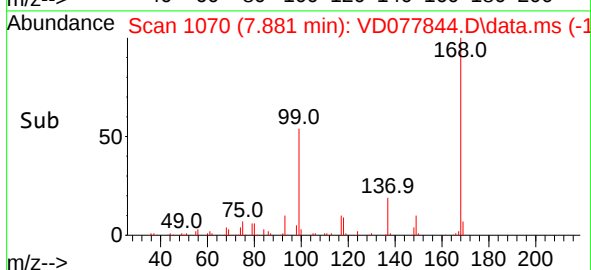
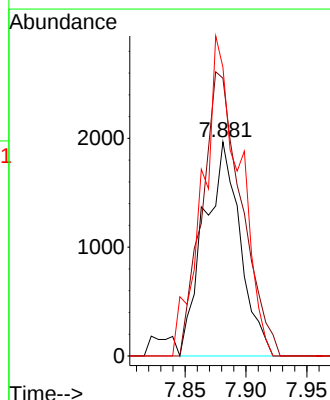
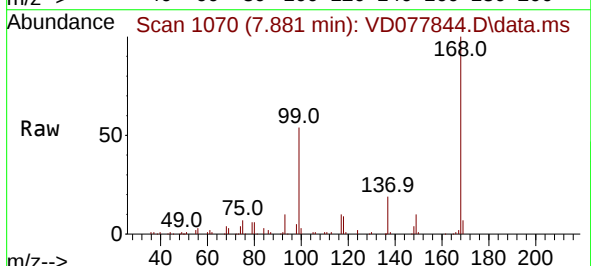
Tgt Ion: 56 Resp: 4068

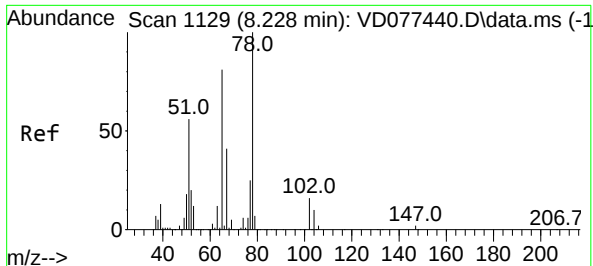
Ion Ratio Lower Upper

56 100

69 129.8 28.6 43.0#

84 134.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 42.378 ug/l

RT: 8.240 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

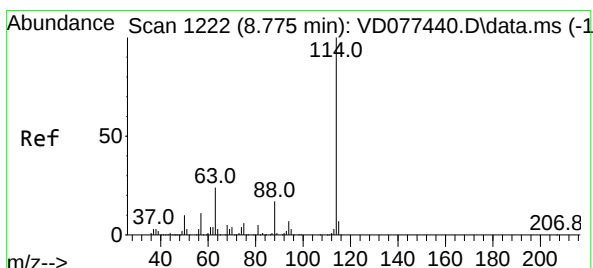
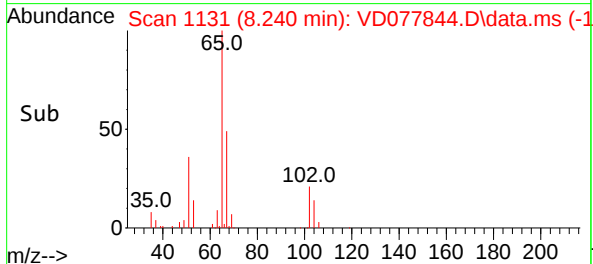
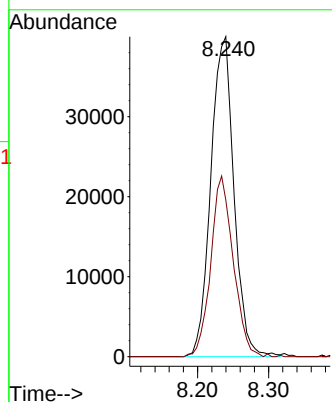
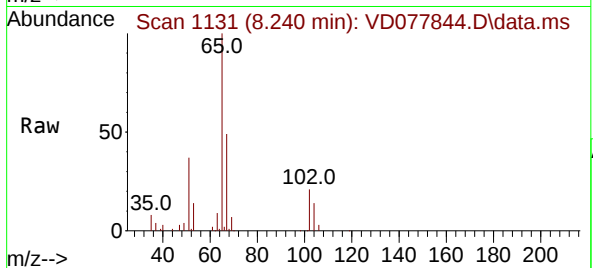
WC-2

Tgt Ion: 65 Resp: 90440

Ion Ratio Lower Upper

65 100

67 54.9 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: VD077844.D

Acq: 12 Dec 2023 16:11

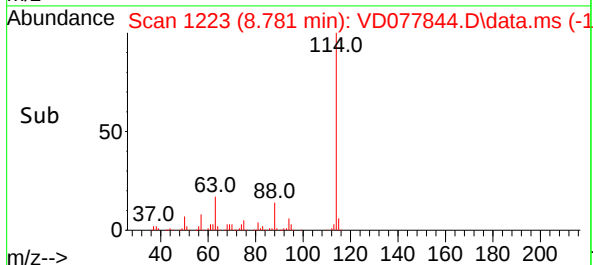
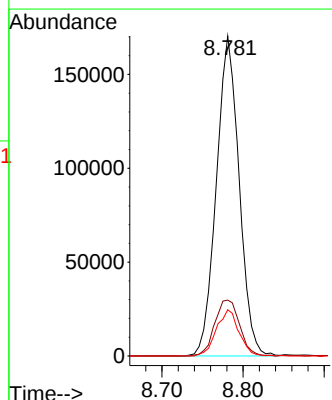
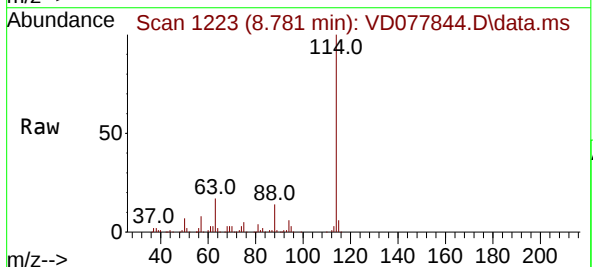
Tgt Ion: 114 Resp: 332785

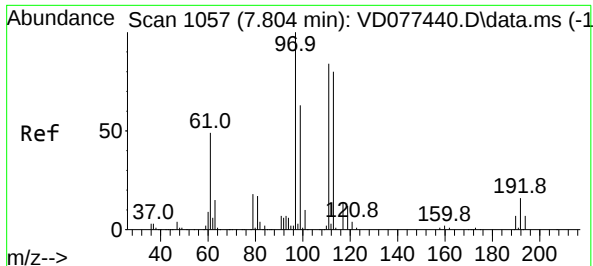
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.365 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

WC-2

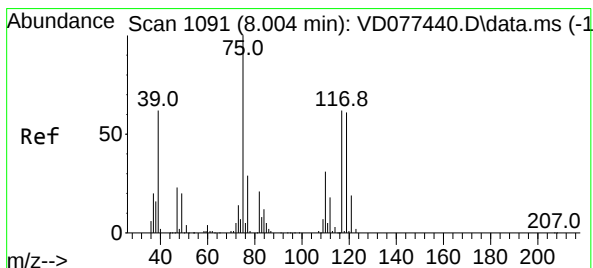
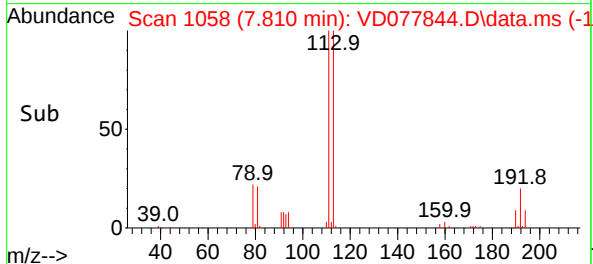
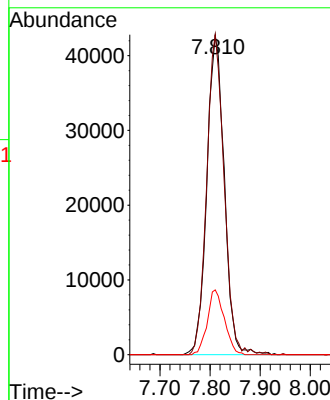
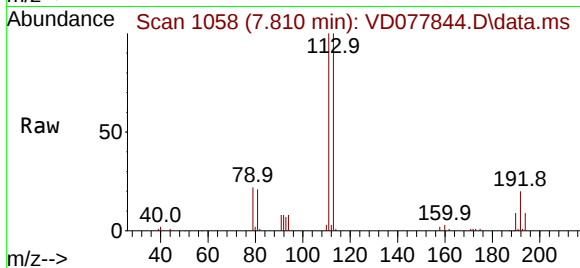
Tgt Ion:113 Resp: 103417

Ion Ratio Lower Upper

113 100

111 100.1 84.7 127.1

192 19.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.784 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.117 min

Lab File: VD077844.D

Acq: 12 Dec 2023 16:11

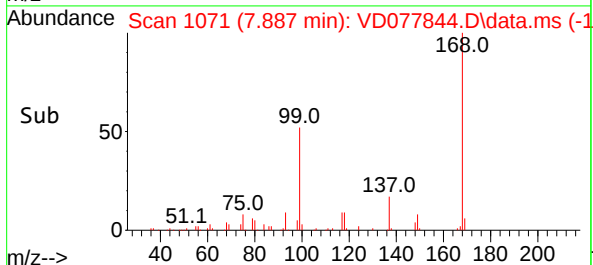
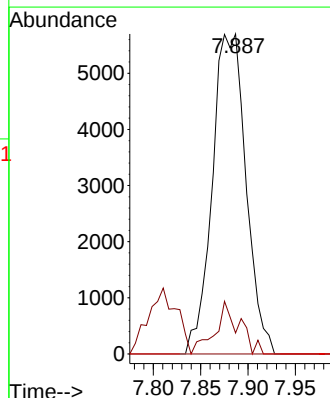
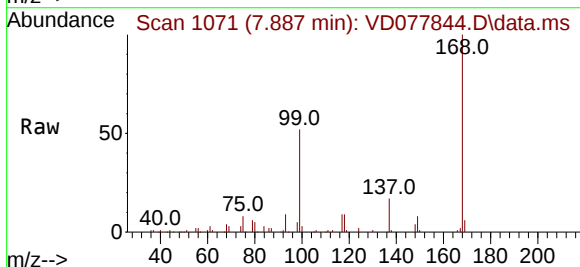
Tgt Ion: 75 Resp: 14111

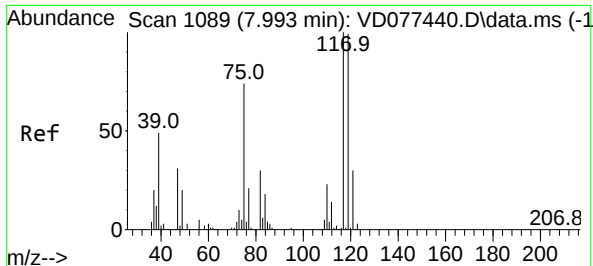
Ion Ratio Lower Upper

75 100

110 11.9 19.9 59.6#

77 0.0 24.7 37.1#

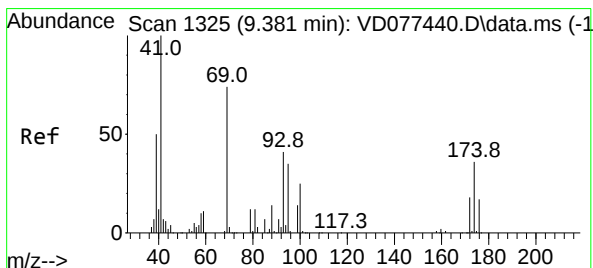
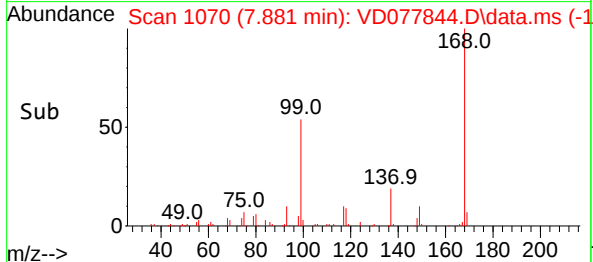
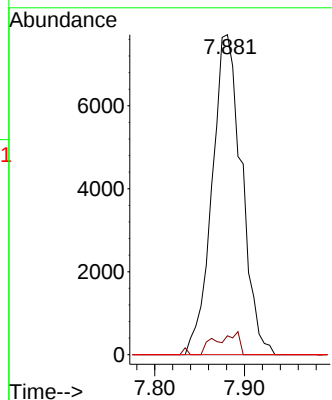
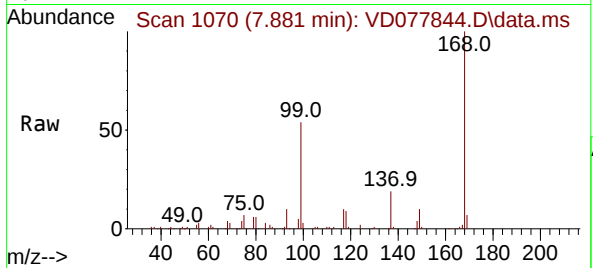




#38
Carbon Tetrachloride
Concen: 4.753 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

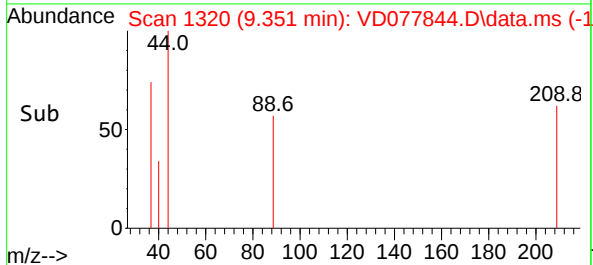
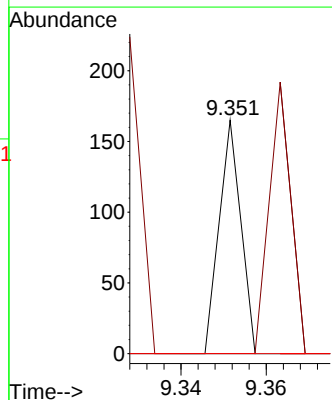
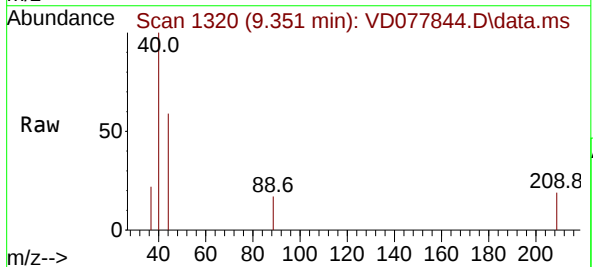
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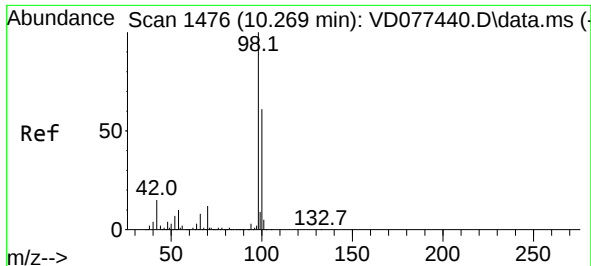
Tgt Ion:117 Resp: 17667
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.291 ug/l
RT: 9.351 min Scan# 1320
Delta R.T. -0.030 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 117.2 19.0 28.6#
58 0.0 43.5 65.3#

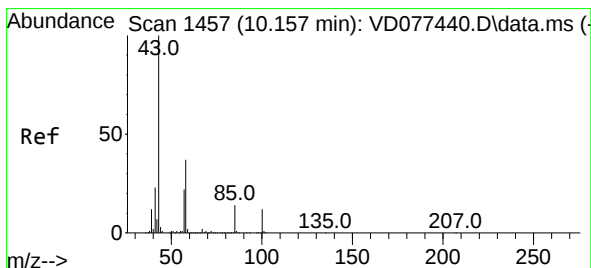
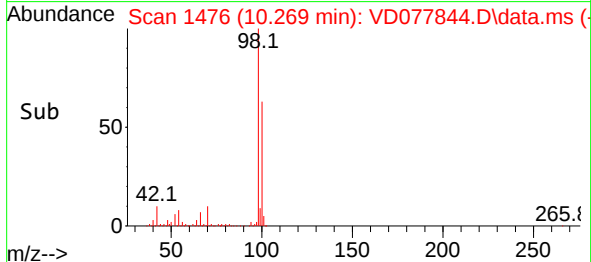
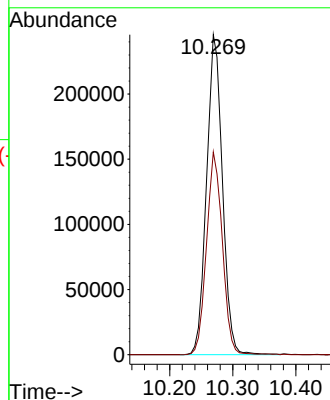
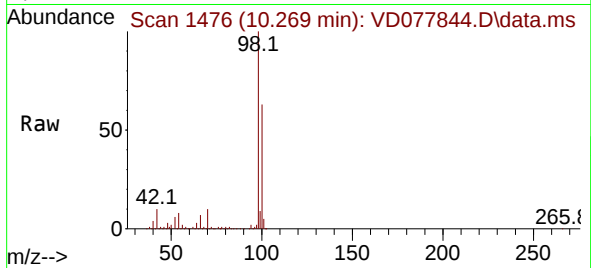




#50
Toluene-d8
Concen: 45.918 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

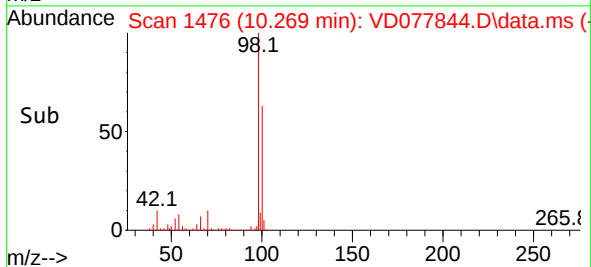
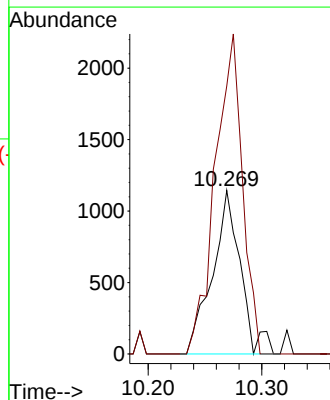
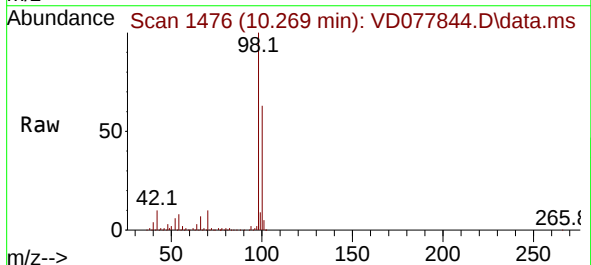
Instrument :
MSVOA_D
ClientSampleId :
WC-2

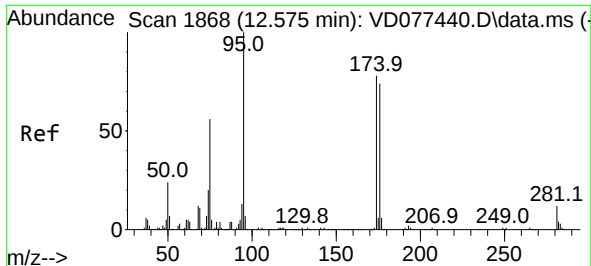
Tgt Ion: 98 Resp: 428701
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.493 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 189.8 38.9 58.3#

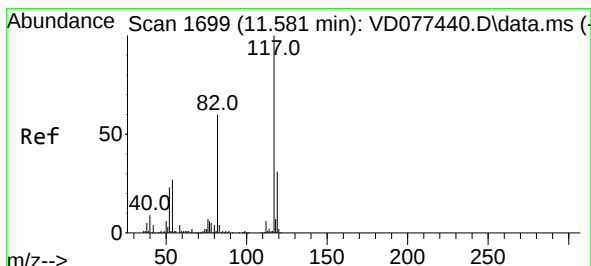
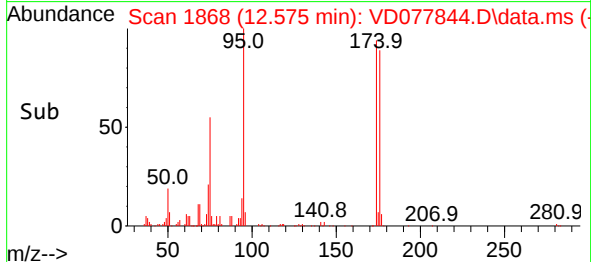
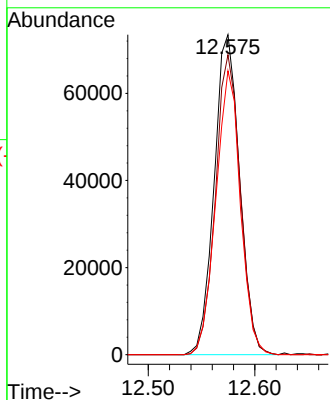
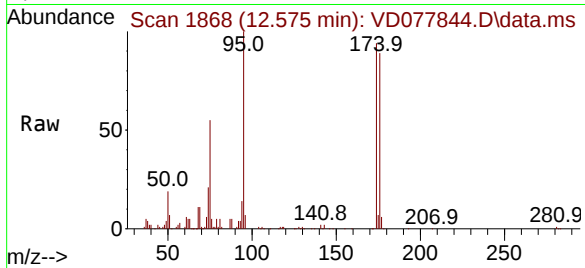




#62
4-Bromofluorobenzene
Concen: 43.663 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

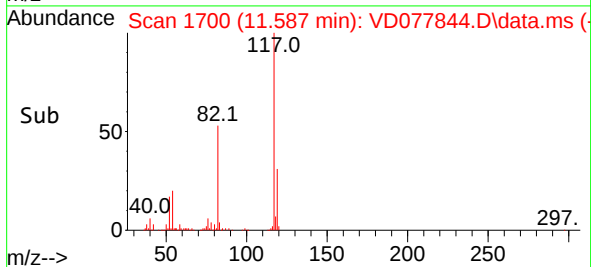
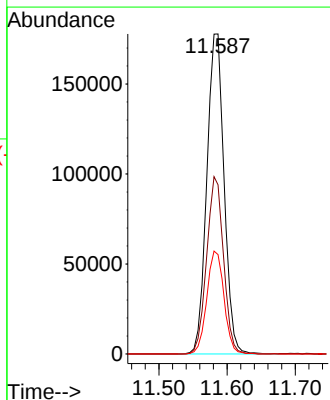
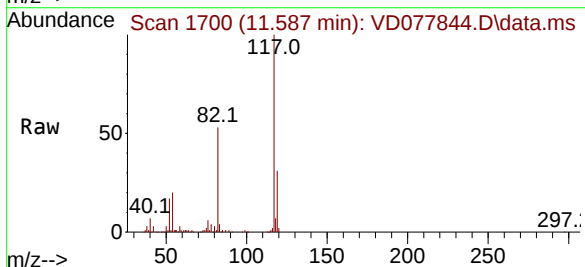
Instrument :
MSVOA_D
ClientSampleId :
WC-2

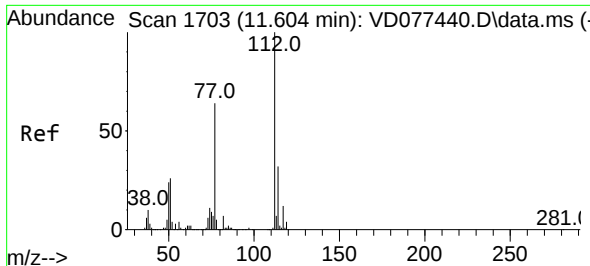
Tgt Ion: 95 Resp: 121876
Ion Ratio Lower Upper
95 100
174 91.6 0.0 201.8
176 85.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 117 Resp: 313931
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 31.0 25.0 37.4

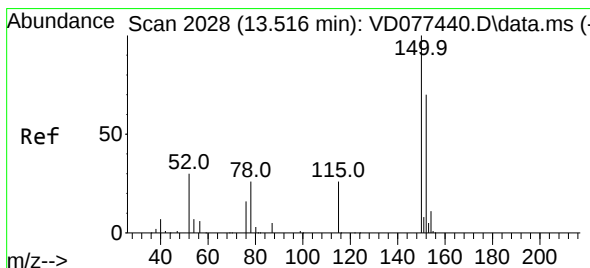
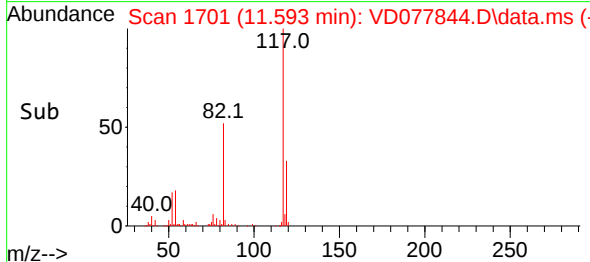
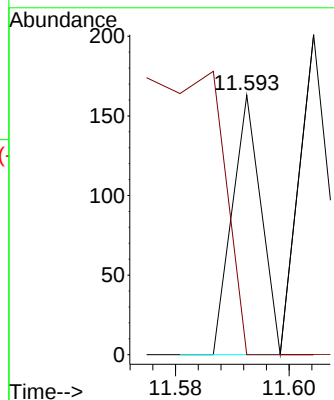
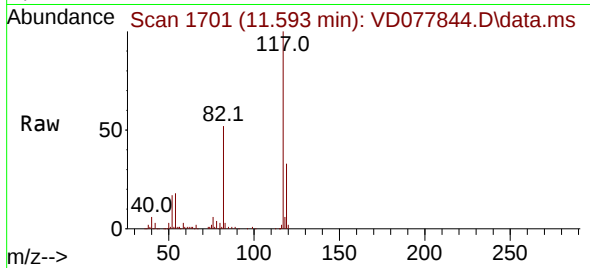




#65
Chlorobenzene
Concen: Below Cal
RT: 11.593 min Scan# 11
Delta R.T. -0.011 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

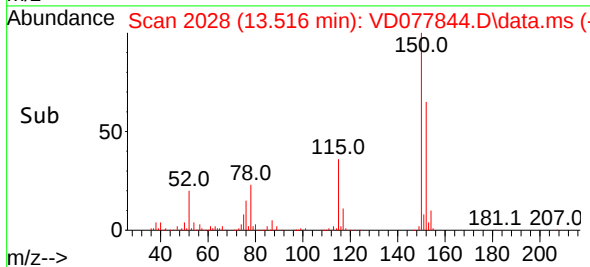
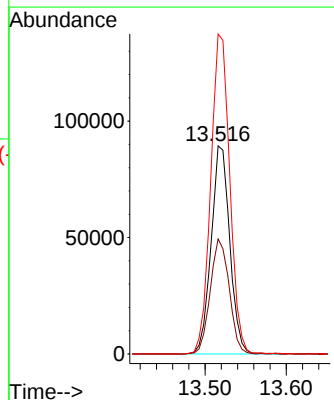
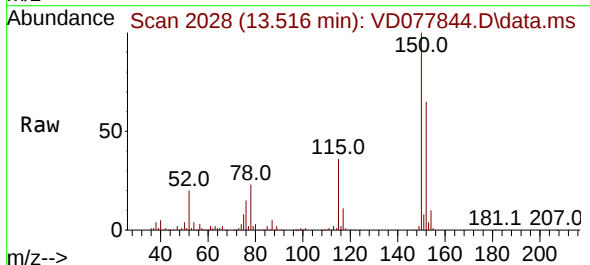
Instrument :
MSVOA_D
ClientSampleId :
WC-2

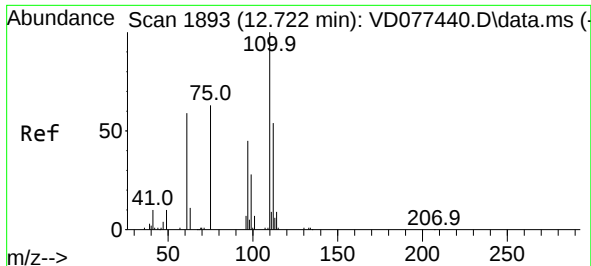
Tgt Ion:112 Resp: 58
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

Tgt Ion:152 Resp: 142521
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 156.8 0.0 353.6

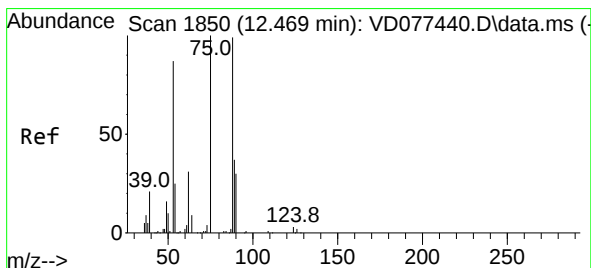
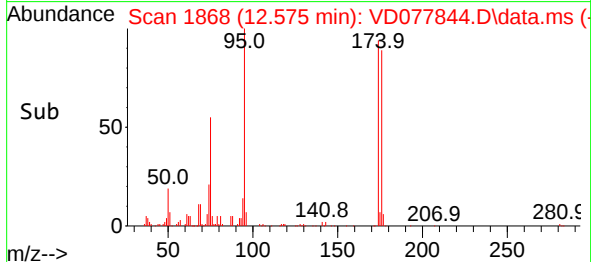
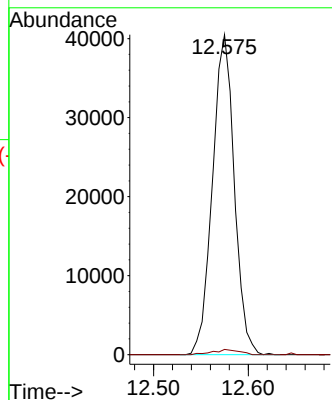
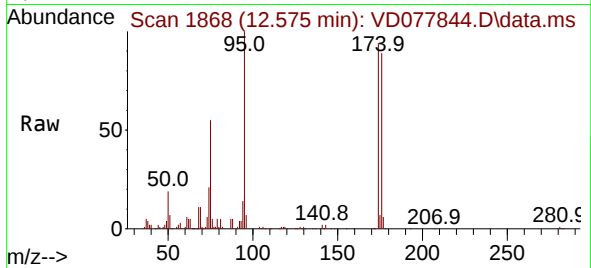




#76
1,2,3-Trichloropropane
Concen: 52.337 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

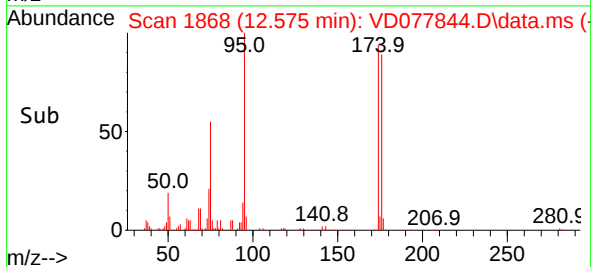
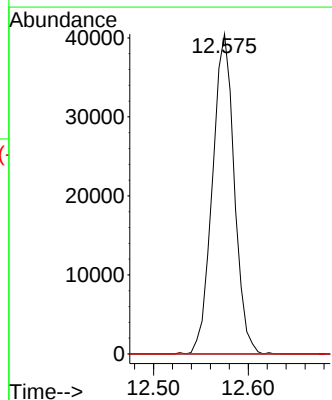
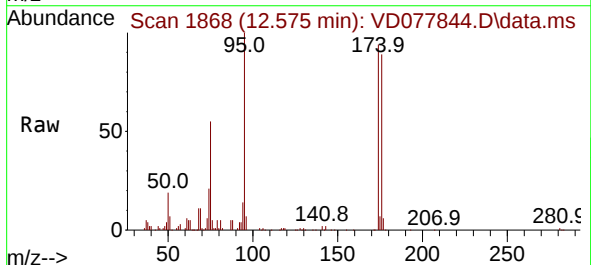
Instrument :
MSVOA_D
ClientSampleId :
WC-2

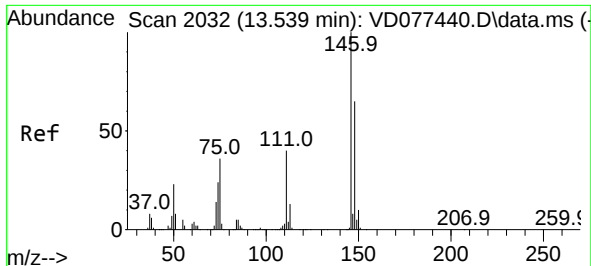
Tgt Ion: 75 Resp: 64783
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.039 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077844.D
Acq: 12 Dec 2023 16:11

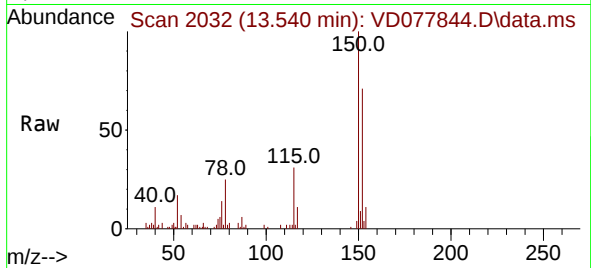
Tgt Ion: 75 Resp: 64783
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.001 min
 Lab File: VD077844.D
 Acq: 12 Dec 2023 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2



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

