

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077837.D
 Acq On : 12 Dec 2023 13:03
 Operator : JC/SY
 Sample : 05720-02
 Misc : 2.16G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 13:53:04 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)

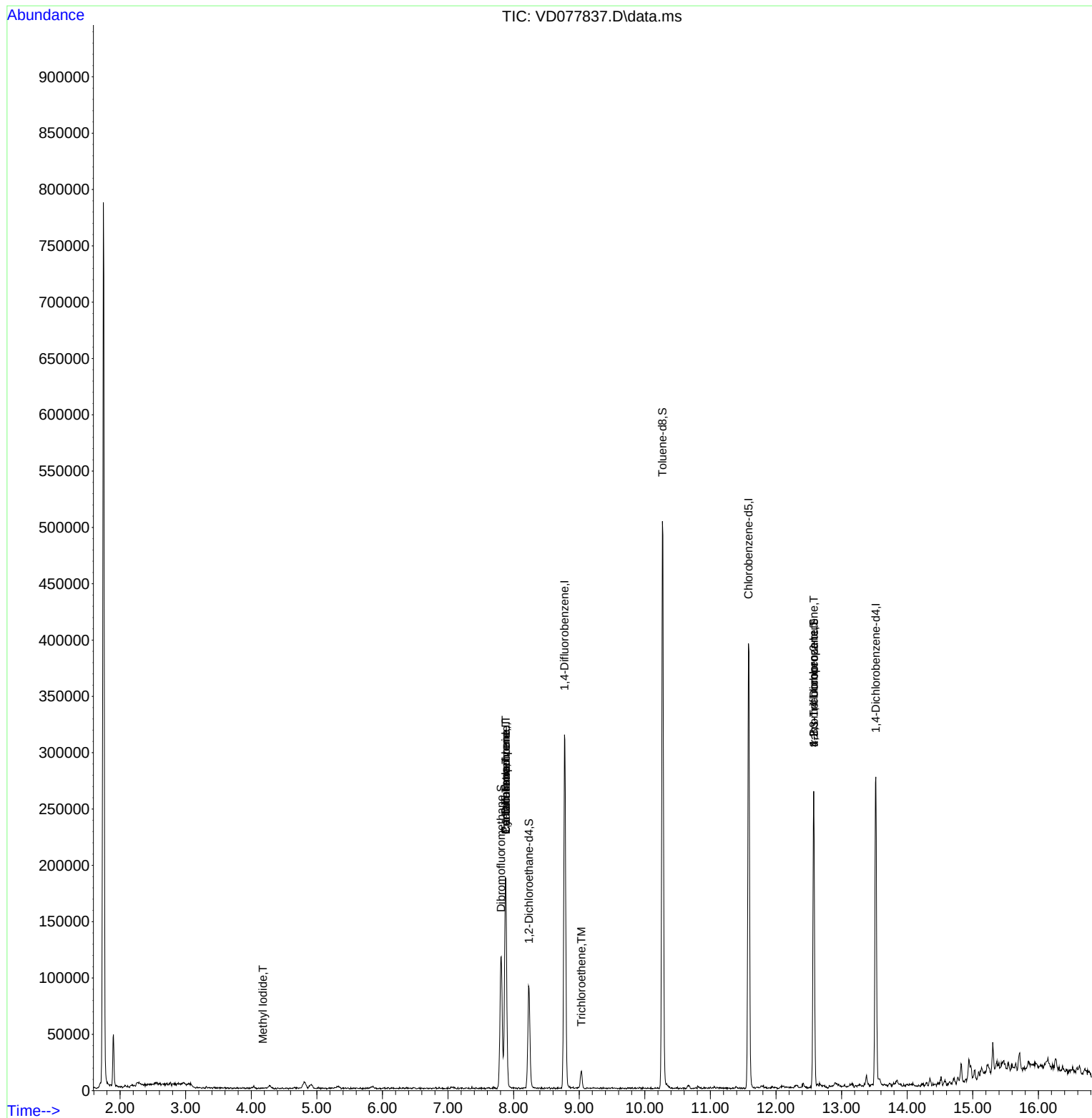
Internal Standards						
1) Pentafluorobenzene	7.881	168	143813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	284659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	76077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70136	41.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.780%
35) Dibromofluoromethane	7.811	113	85491	42.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.760%
50) Toluene-d8	10.269	98	352782	44.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.360%
62) 4-Bromofluorobenzene	12.575	95	77919	32.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.260%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	80	6.787	ug/l #	30
11) Tert butyl alcohol	5.040	59	83	Below Cal	#	73
16) Acetone	4.028	43	1283	Below Cal	#	74
20) Methylene Chloride	4.805	84	4421	Below Cal	#	84
25) 2-Butanone	7.093	43	63	Below Cal	#	37
31) Cyclohexane	7.881	56	3444	1.143	ug/l #	20
36) 1,1-Dichloropropene	7.881	75	11153	3.497	ug/l #	48
38) Carbon Tetrachloride	7.881	117	14327	4.506	ug/l #	15
44) Trichloroethene	9.034	130	5215	2.211	ug/l	97
65) Chlorobenzene	11.604	112	676	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	41385	62.635	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	41385	126.903	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	853	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.175	75	60	Below Cal	#	1

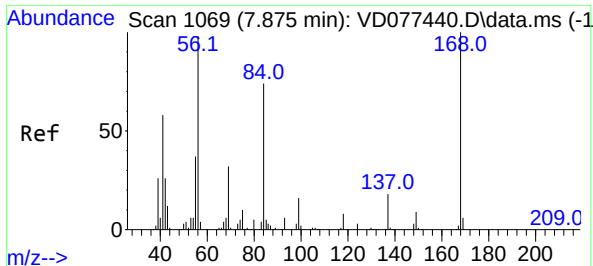
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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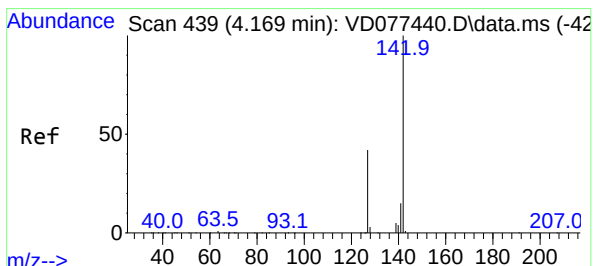
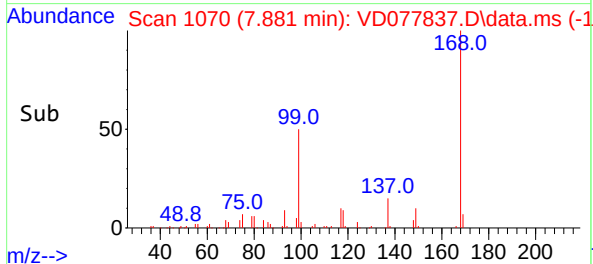
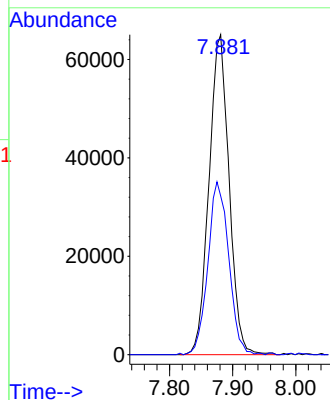
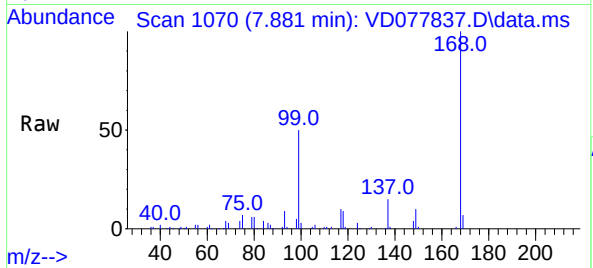




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

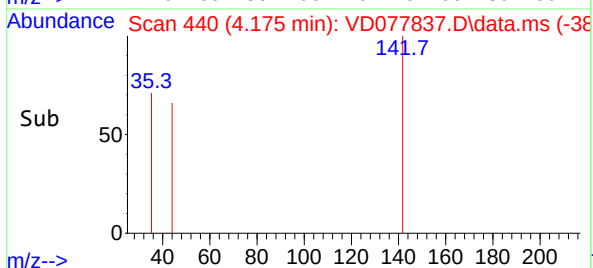
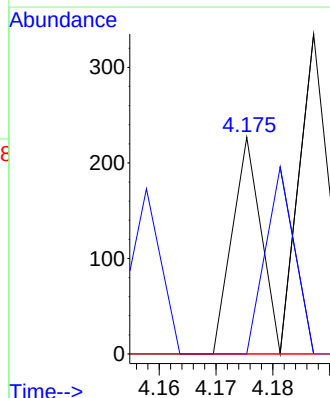
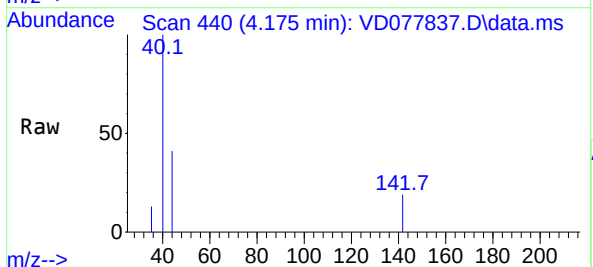
Instrument :
MSVOA_D
ClientSampleId :

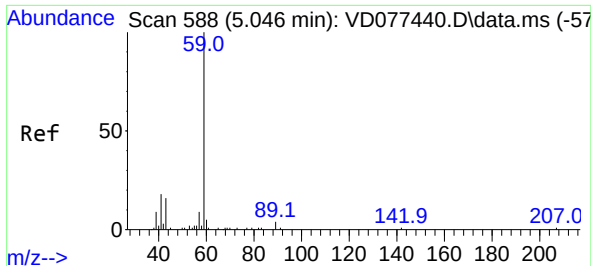
Tgt Ion:168 Resp: 143813
Ion Ratio Lower Upper
168 100
99 49.6 36.7 55.1



#10
Methyl Iodide
Concen: 6.787 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.006 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Tgt Ion:142 Resp: 80
Ion Ratio Lower Upper
142 100
127 86.3 29.4 44.0#
141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 51

Delta R.T. -0.006 min

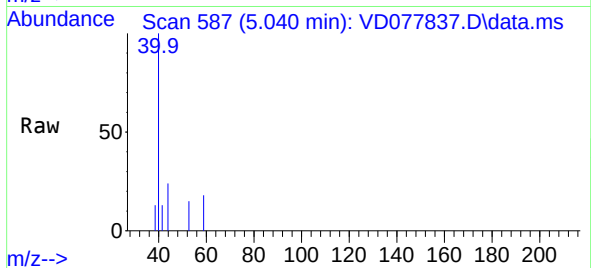
Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

Instrument :

MSVOA_D

ClientSampleId :

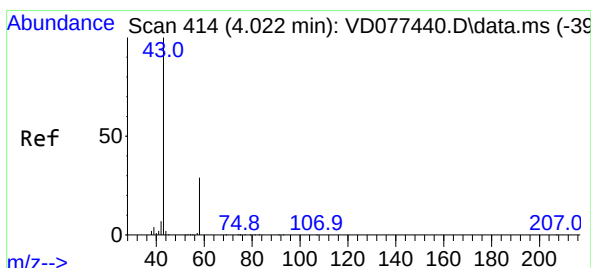
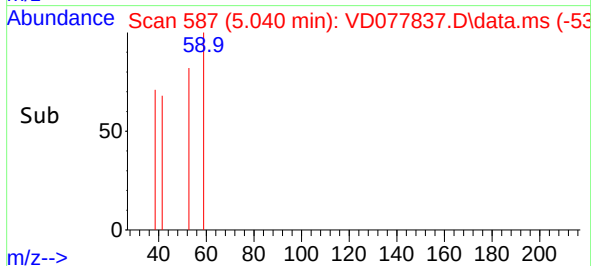
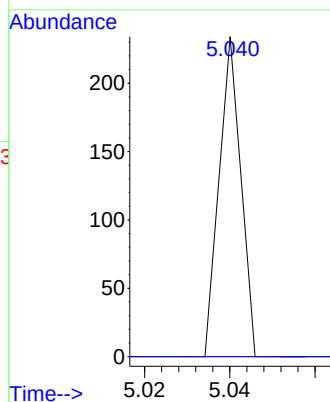


Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077837.D

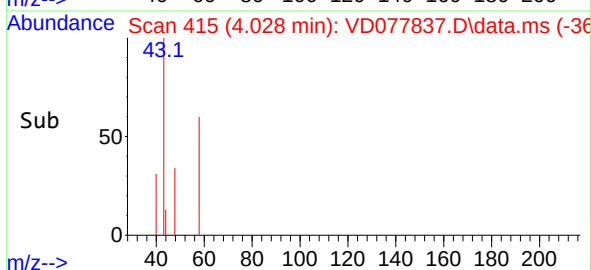
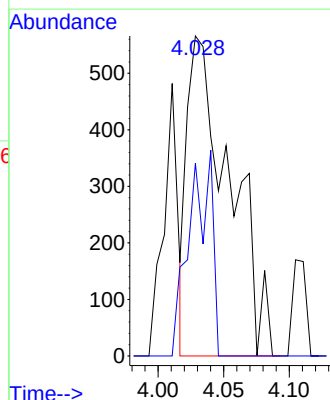
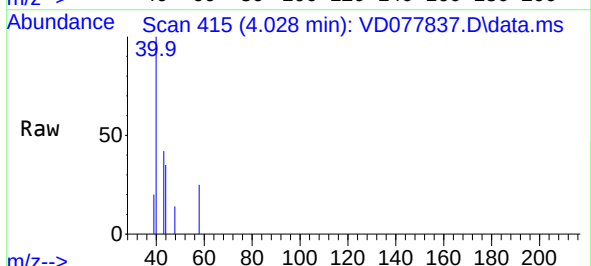
Acq: 12 Dec 2023 13:03

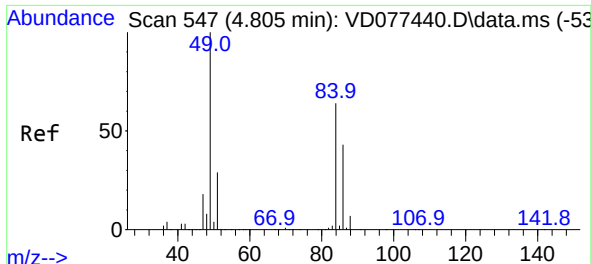
Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

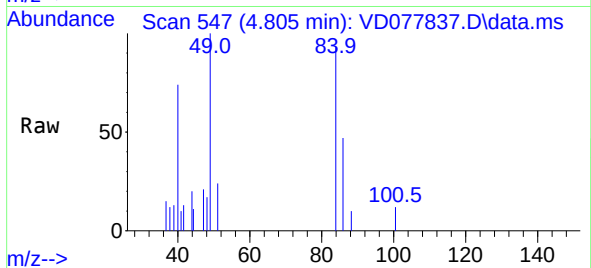
58 60.2 34.7 52.1#



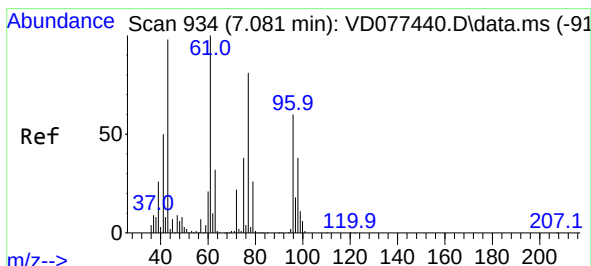
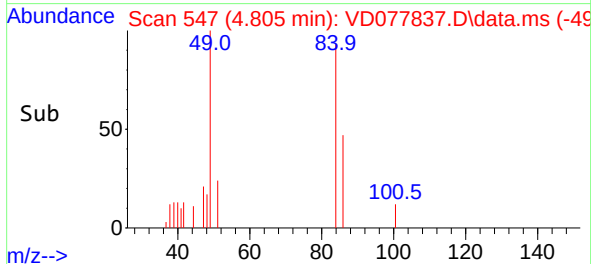
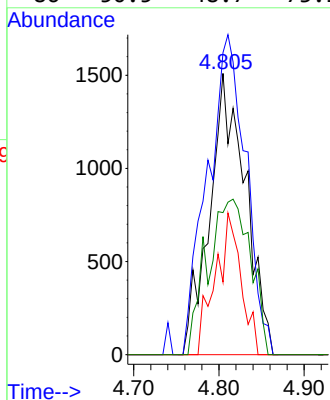


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Instrument :
MSVOA_D
ClientSampleId :

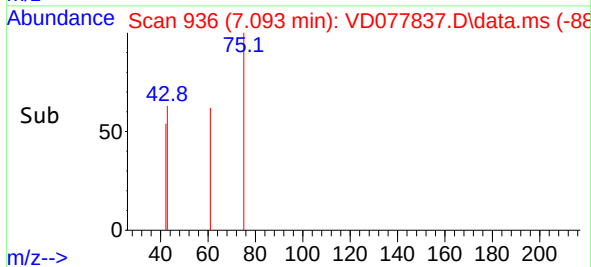
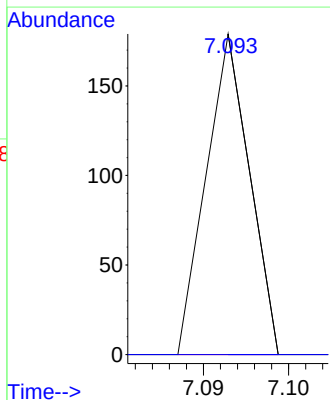
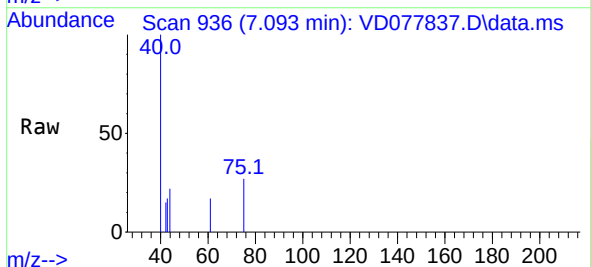


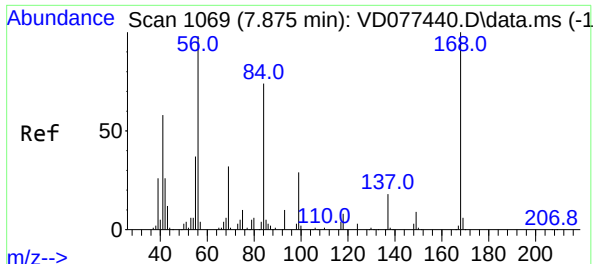
Tgt Ion: 84 Resp: 4421
Ion Ratio Lower Upper
84 100
49 107.4 71.4 107.2#
51 25.8 24.5 36.7
86 50.5 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

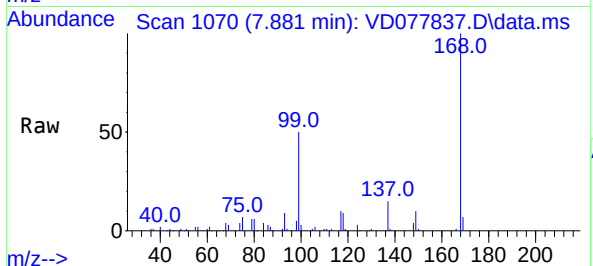
Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

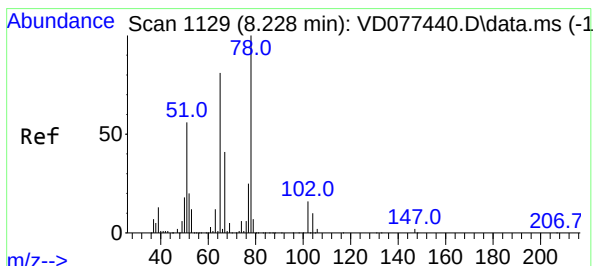
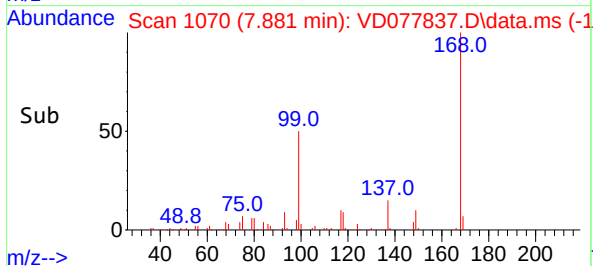
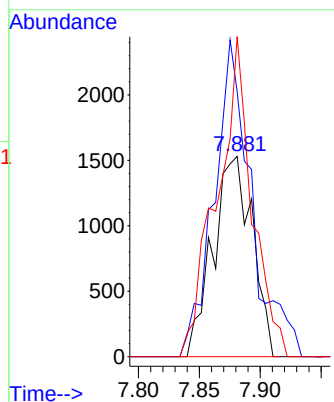
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	3444
Ion	Ratio	Lower	Upper
56	100		
69	132.2	28.6	43.0#
84	159.7	84.8	127.2#



#33

1,2-Dichloroethane-d4

Concen: 41.387 ug/l

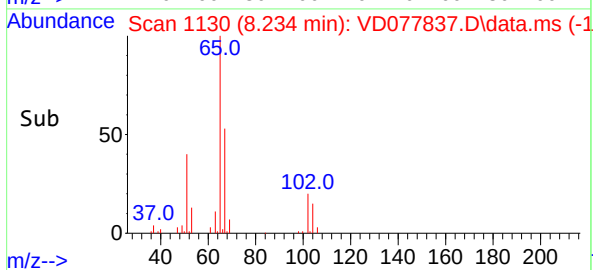
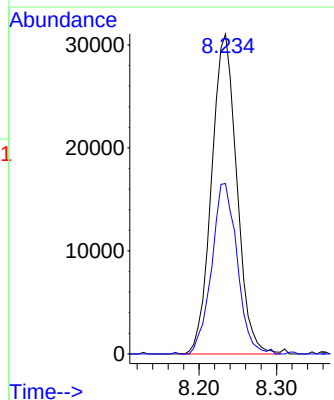
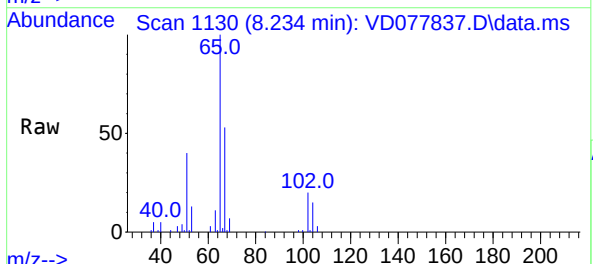
RT: 8.234 min Scan# 1130

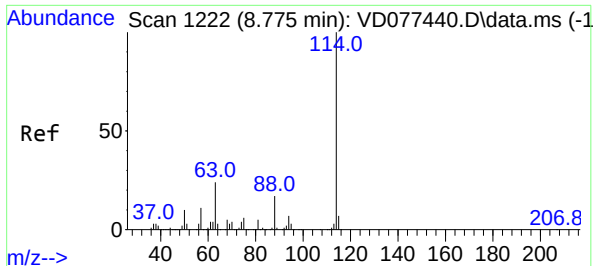
Delta R.T. 0.006 min

Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

Tgt Ion:	65	Resp:	70136
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

Instrument :

MSVOA_D

ClientSampleId :

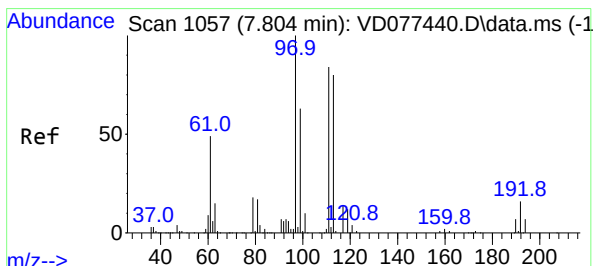
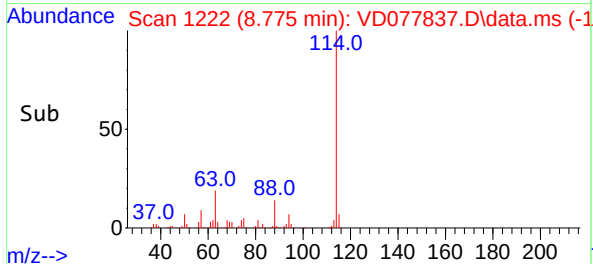
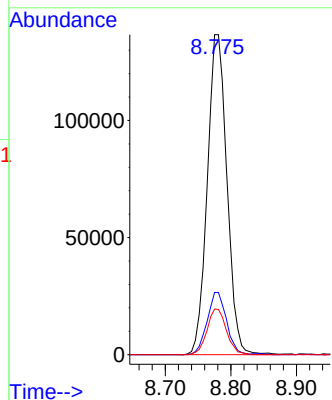
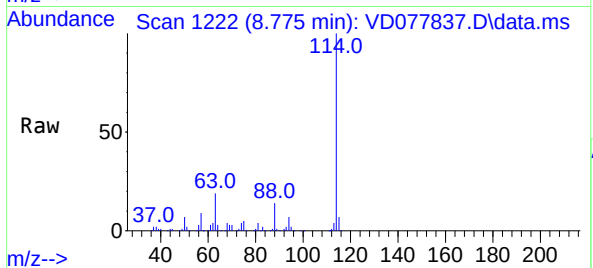
Tgt Ion:114 Resp: 284659

Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.875 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

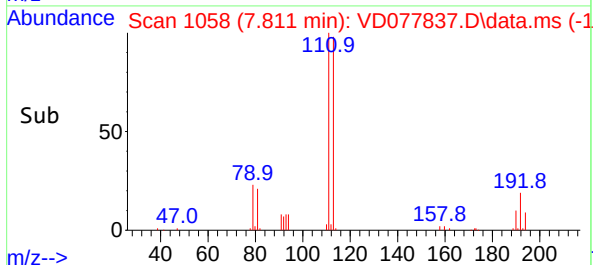
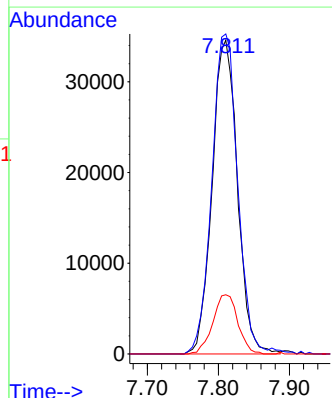
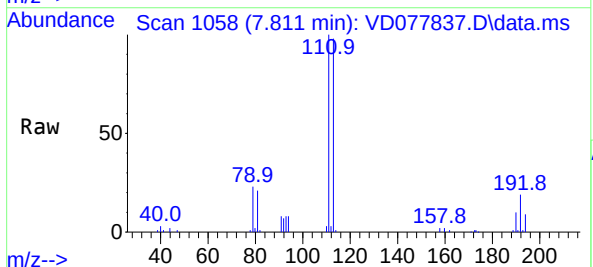
Tgt Ion:113 Resp: 85491

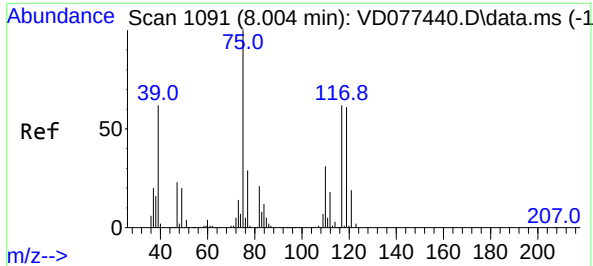
Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 18.6 16.8 25.2

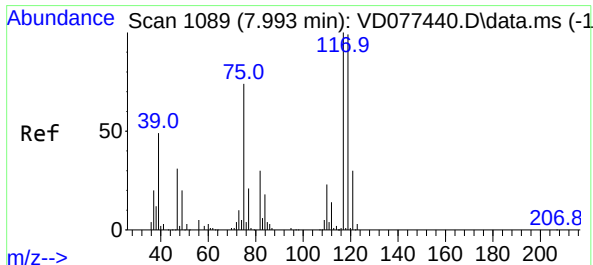
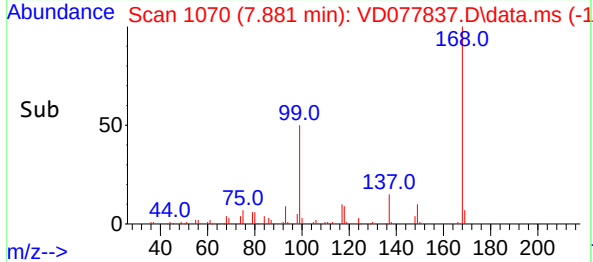
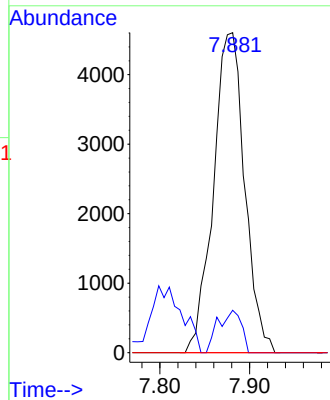
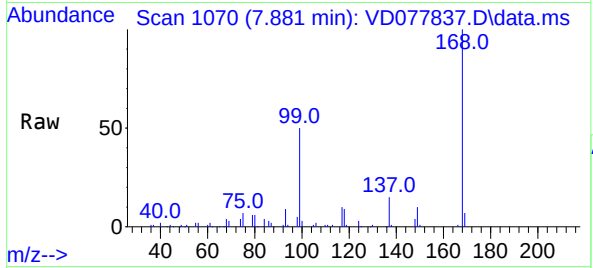




#36
1,1-Dichloropropene
Concen: 3.497 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

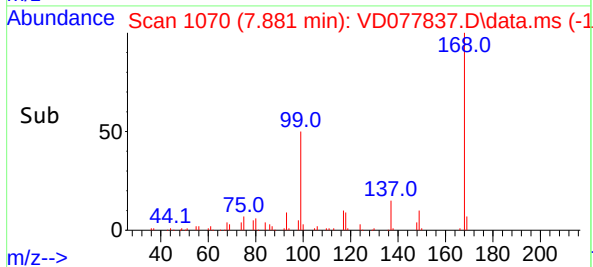
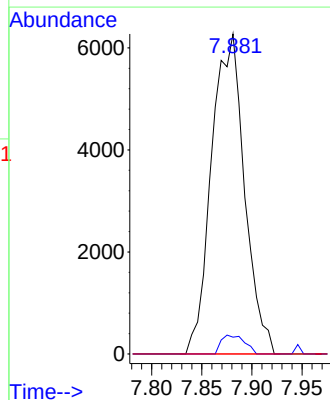
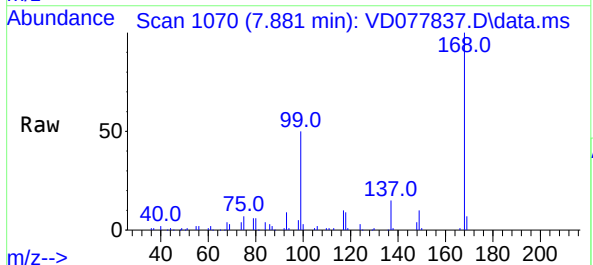
Instrument :
MSVOA_D
ClientSampleId :

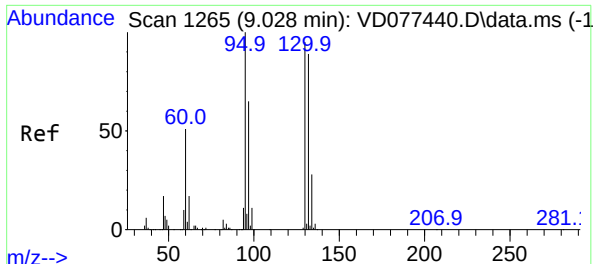
Tgt Ion: 75 Resp: 11153
Ion Ratio Lower Upper
75 100
110 9.8 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.506 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Tgt Ion: 117 Resp: 14327
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.2 36.2#





#44

Trichloroethene

Concen: 2.211 ug/l

RT: 9.034 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

Instrument :

MSVOA_D

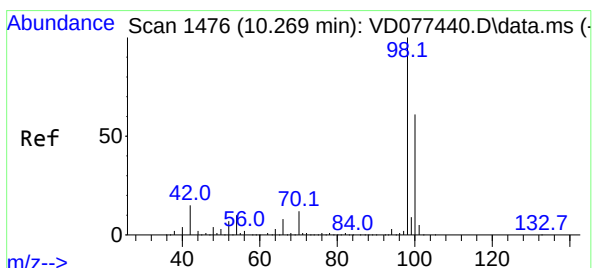
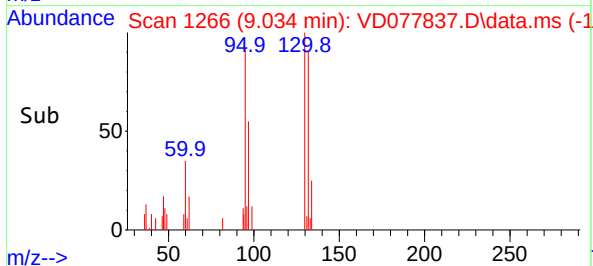
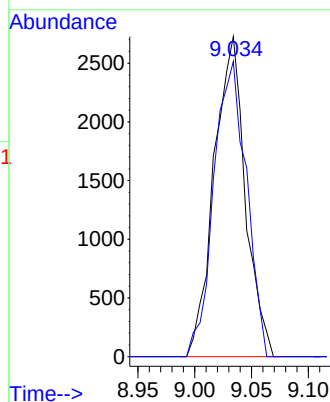
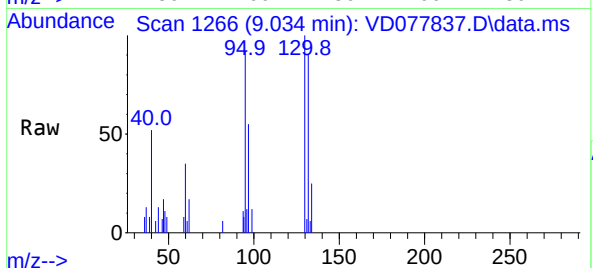
ClientSampleId :

Tgt Ion:130 Resp: 5215

Ion Ratio Lower Upper

130 100

95 92.3 0.0 179.2



#50

Toluene-d8

Concen: 44.175 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077837.D

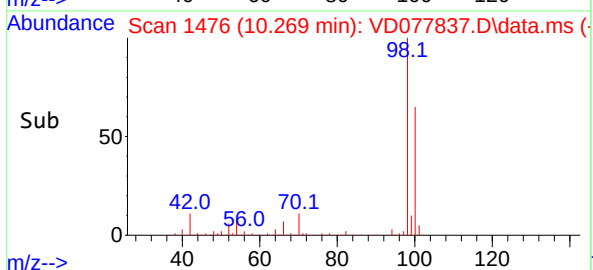
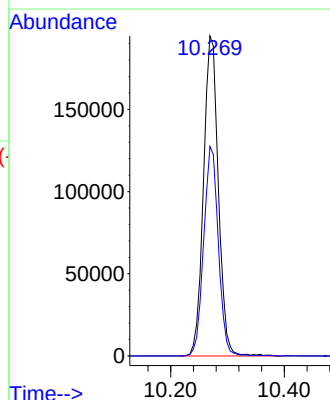
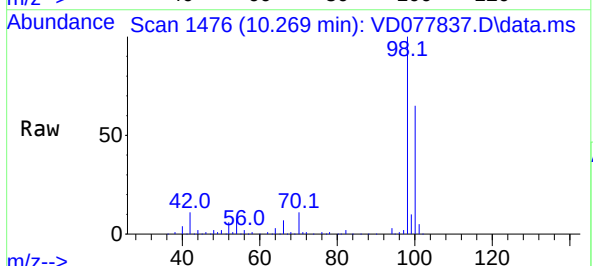
Acq: 12 Dec 2023 13:03

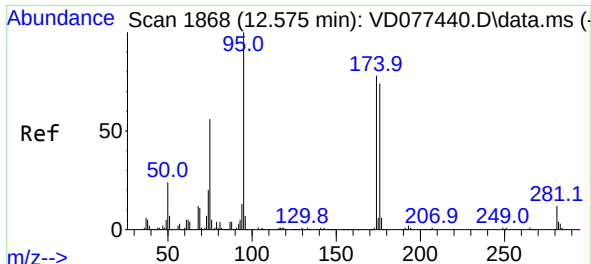
Tgt Ion: 98 Resp: 352782

Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5

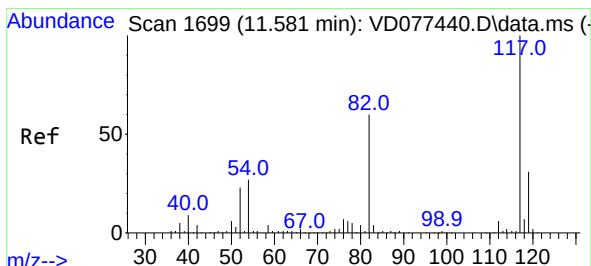
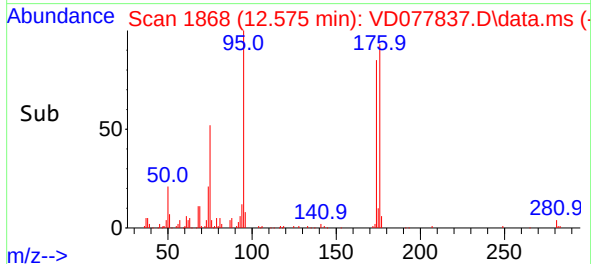
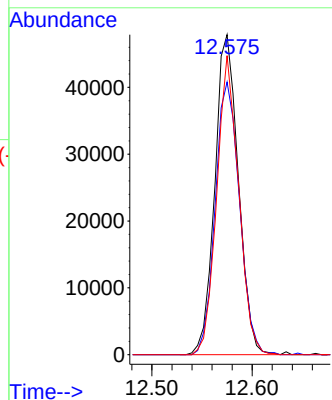
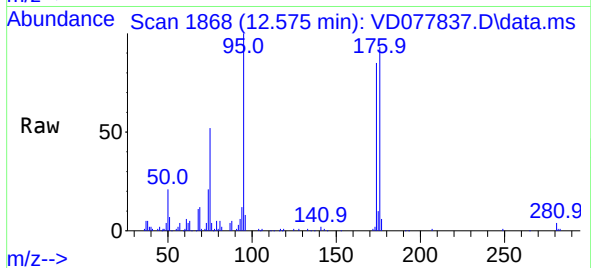




#62
4-Bromofluorobenzene
Concen: 32.635 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

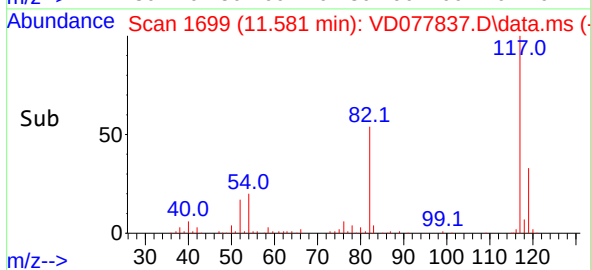
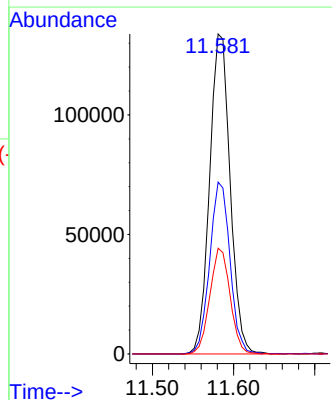
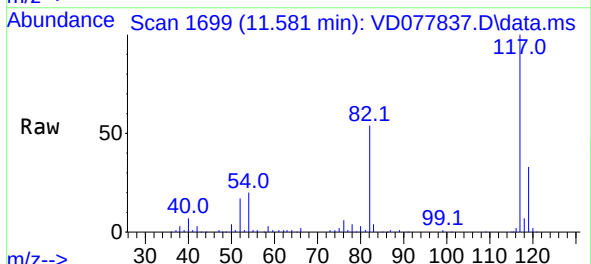
Instrument :
MSVOA_D
ClientSampleId :

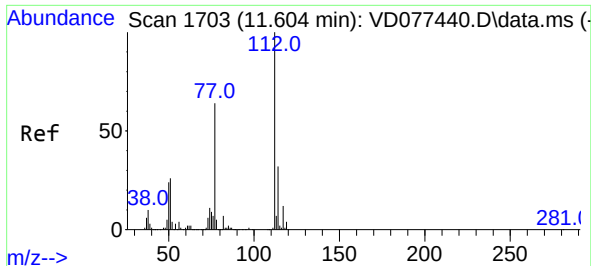
Tgt Ion: 95 Resp: 77919
Ion Ratio Lower Upper
95 100
174 87.9 0.0 201.8
176 87.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Tgt Ion: 117 Resp: 235047
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 33.1 25.0 37.4

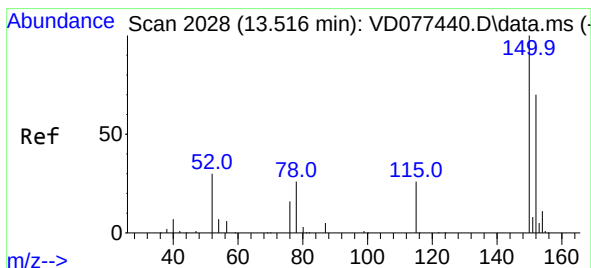
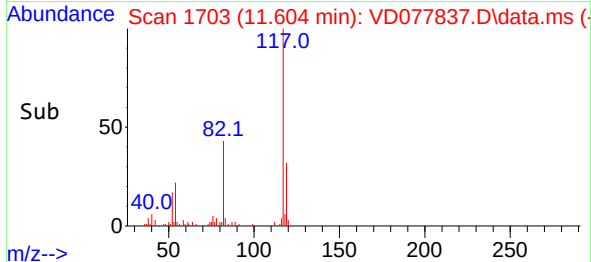
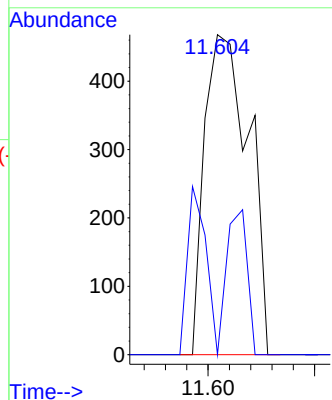
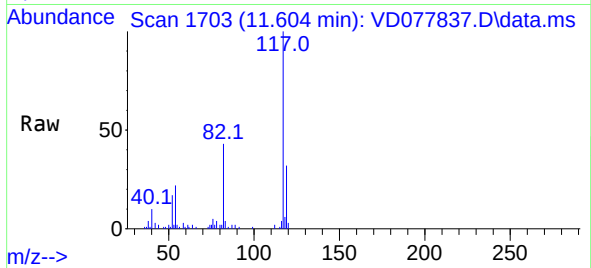




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

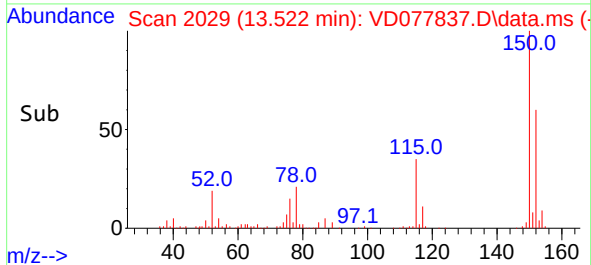
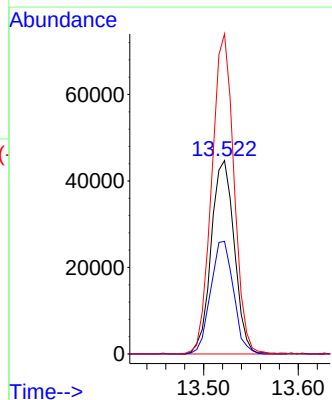
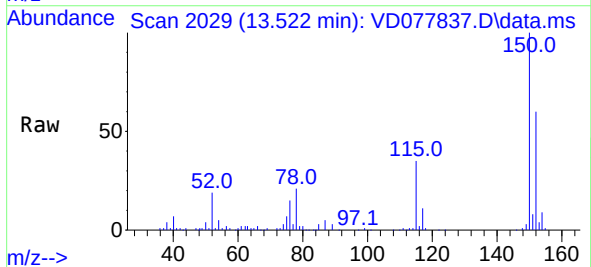
Instrument :
MSVOA_D
ClientSampleId :

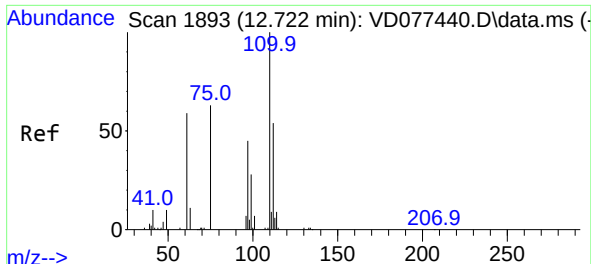
Tgt Ion:112 Resp: 676
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

Tgt Ion:152 Resp: 76077
Ion Ratio Lower Upper
152 100
115 57.6 27.1 81.3
150 158.6 0.0 353.6

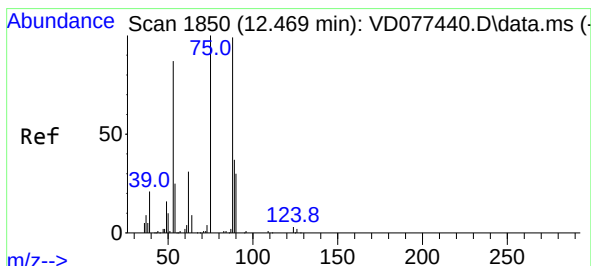
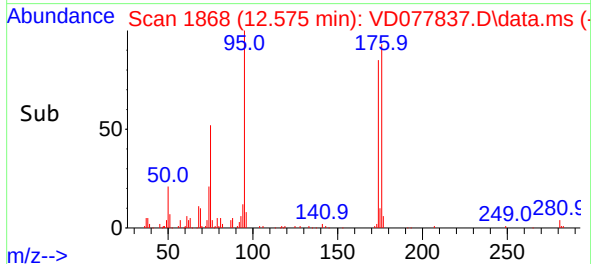
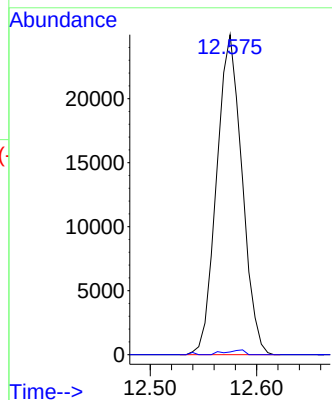
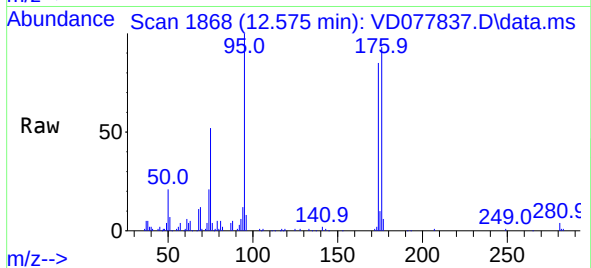




#76
1,2,3-Trichloropropane
Concen: 62.635 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

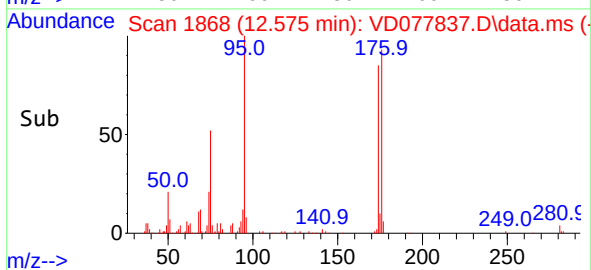
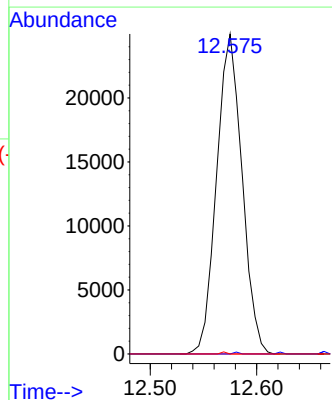
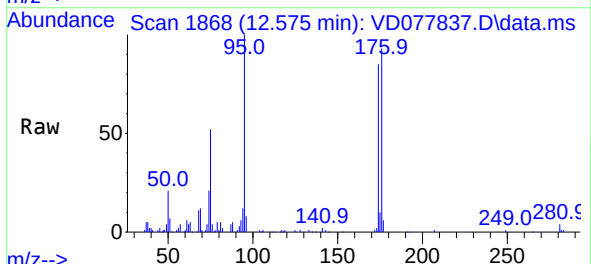
Instrument :
MSVOA_D
ClientSampleId :

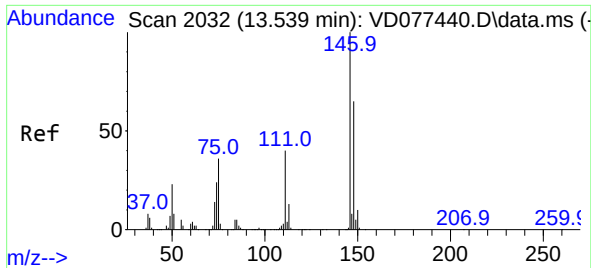
Tgt Ion: 75 Resp: 41385
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.903 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077837.D
Acq: 12 Dec 2023 13:03

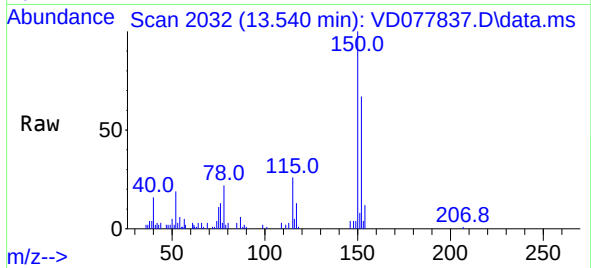
Tgt Ion: 75 Resp: 41385
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.001 min
 Lab File: VD077837.D
 Acq: 12 Dec 2023 13:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	853
Ion	Ratio	Lower	Upper
146	100		
111	196.4	17.4	52.3#
148	125.1	31.7	95.1#

