

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079516.D
 Acq On : 01 Aug 2024 02:14
 Operator : RP/MD
 Sample : P3374-14
 Misc : 6.82G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 02:57:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

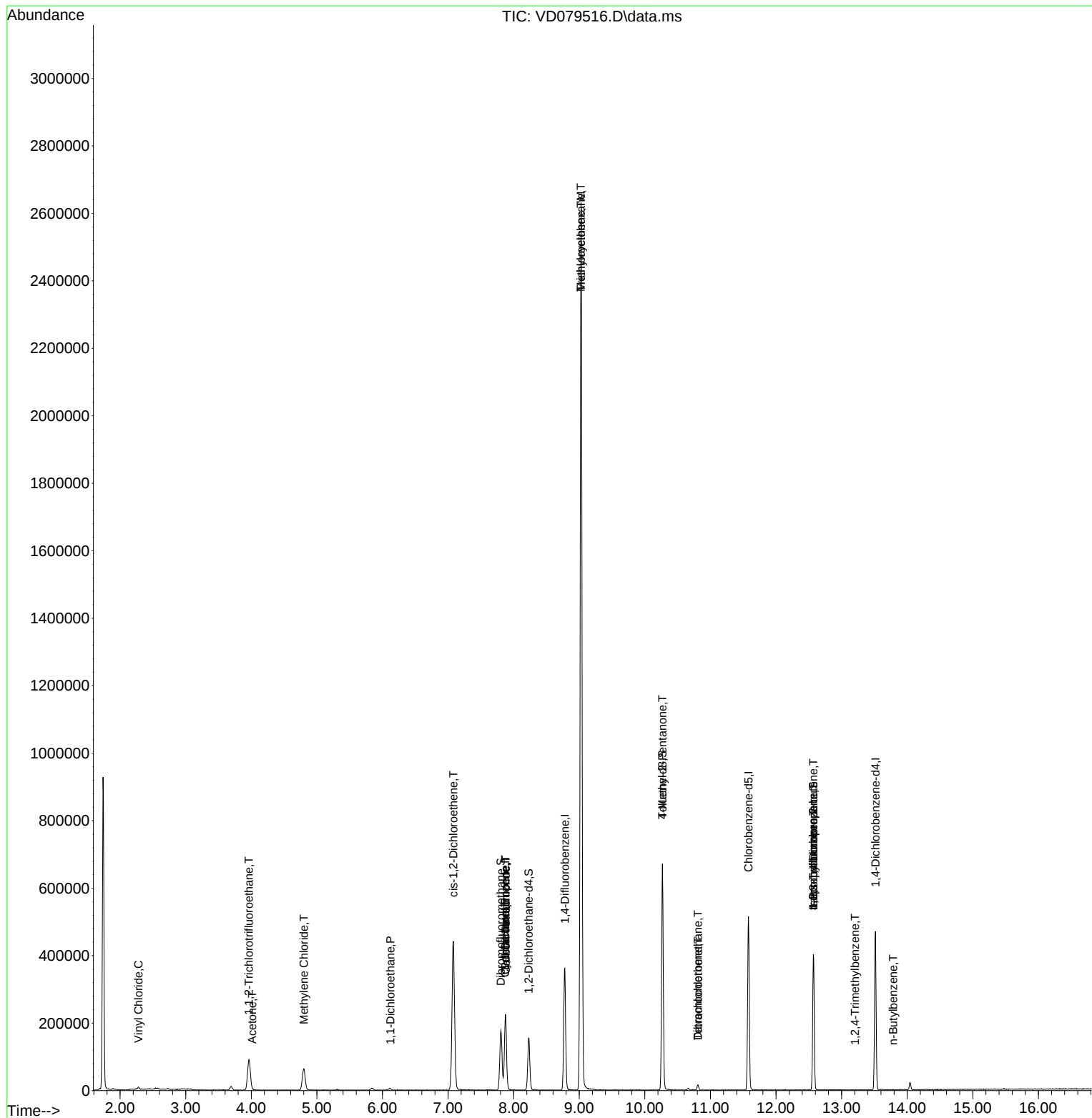
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	179965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	337618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	117014	64.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.000%
35) Dibromofluoromethane	7.804	113	132191	57.848	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.700%
50) Toluene-d8	10.269	98	467347	52.664	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.320%
62) 4-Bromofluorobenzene	12.569	95	119592	46.570	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.140%
Target Compounds						Qvalue
4) Vinyl Chloride	2.281	62	4707	1.524	ug/l	97
5) Bromomethane	2.699	94	324	Below Cal		88
9) 1,1,2-Trichlorotrifluo...	3.963	101	61760	31.785	ug/l	99
11) Tert butyl alcohol	5.069	59	61	Below Cal	#	86
16) Acetone	4.016	43	1202	3.383	ug/l	92
20) Methylene Chloride	4.805	84	51557	6.045	ug/l #	88
24) 1,1-Dichloroethane	6.122	63	7475	1.952	ug/l #	90
27) cis-1,2-Dichloroethene	7.081	96	298723	119.640	ug/l	99
31) Cyclohexane	7.869	56	3738	1.231	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	12313	3.948	ug/l #	49
38) Carbon Tetrachloride	7.881	117	16704	5.095	ug/l #	18
39) Methylcyclohexane	9.028	83	11572	3.110	ug/l #	1
44) Trichloroethene	9.028	130	973429	394.732	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	1395	1.137	ug/l #	1
60) Dibromochloromethane	10.810	129	2972	1.292	ug/l #	11
64) Tetrachloroethene	10.810	164	3991	1.896	ug/l #	70
73) Isopropylbenzene	12.569	105	187	3.645	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	59977	51.125	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	59977	97.509	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	307	3.462	ug/l #	29
89) n-Butylbenzene	13.786	91	83	3.791	ug/l #	34

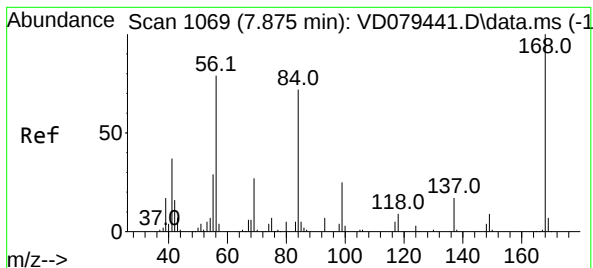
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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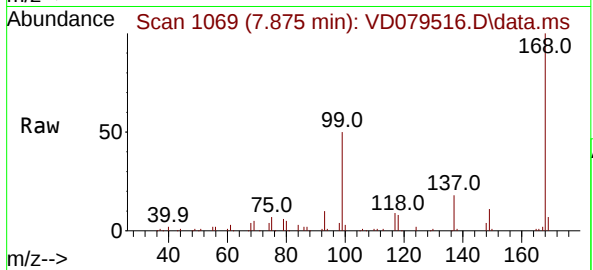
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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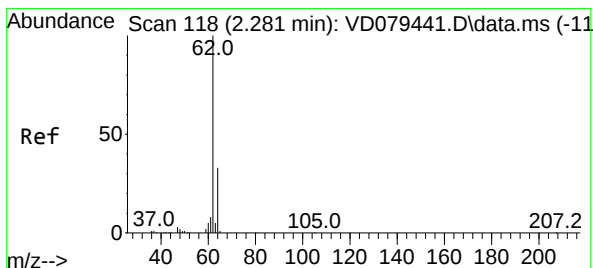
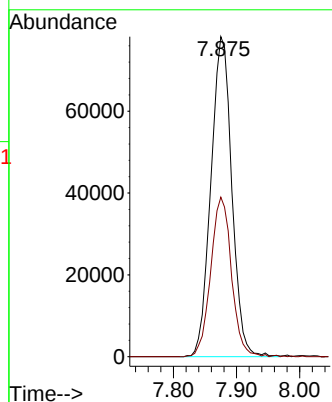
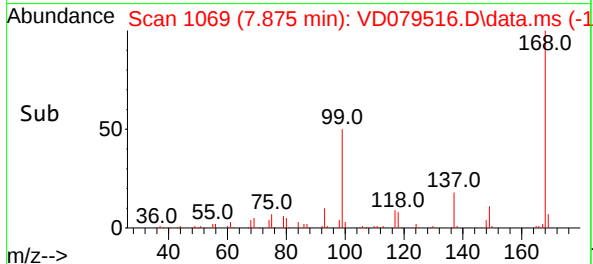


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Instrument :
MSVOA_D
ClientSampleId :

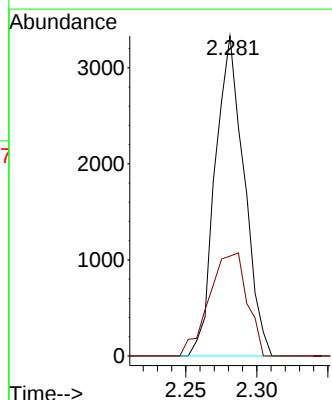
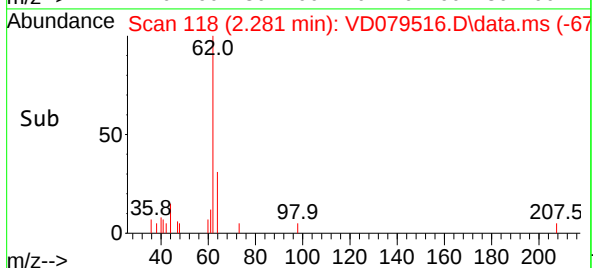
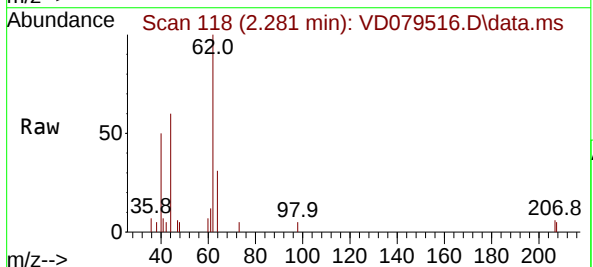


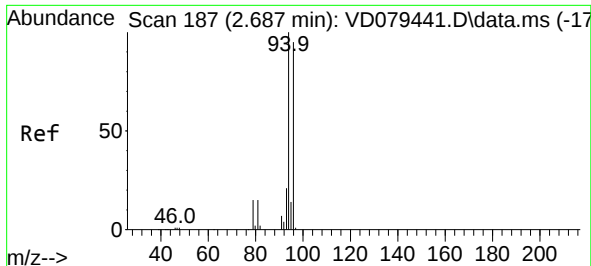
Tgt Ion:168 Resp: 179965
Ion Ratio Lower Upper
168 100
99 49.9 41.1 61.7



#4
Vinyl Chloride
Concen: 1.524 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Tgt Ion: 62 Resp: 4707
Ion Ratio Lower Upper
62 100
64 31.2 26.3 39.5

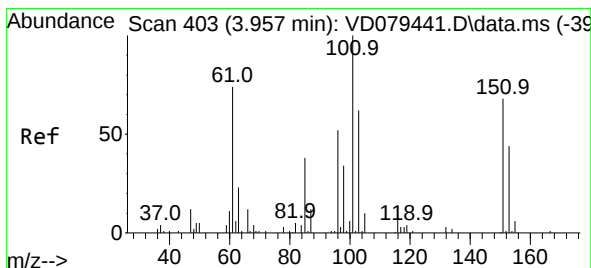
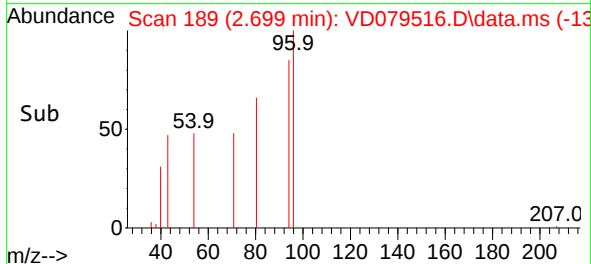
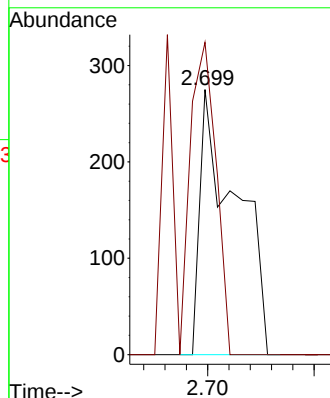
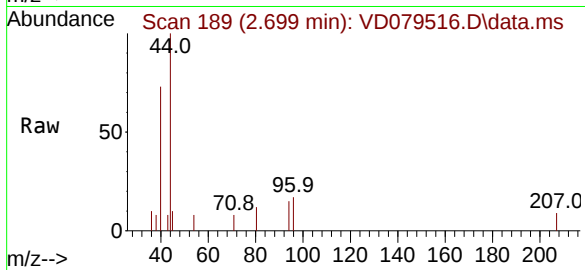




#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

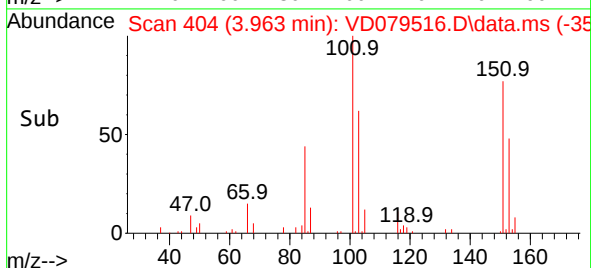
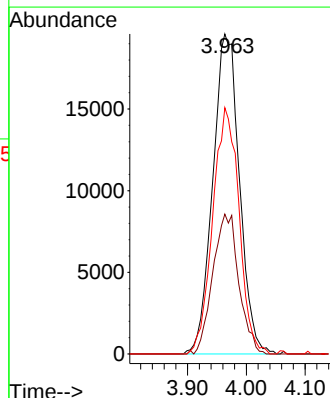
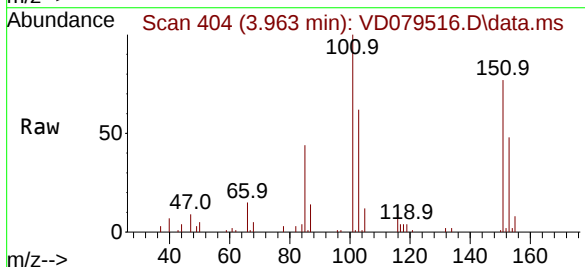
Instrument :
MSVOA_D
ClientSampleId :

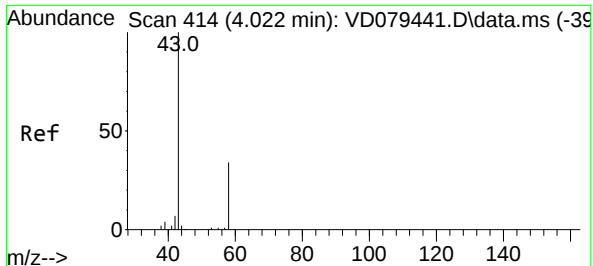
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 84.3 76.9 115.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 31.785 ug/l
RT: 3.963 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Tgt Ion:101 Resp: 61760
Ion Ratio Lower Upper
101 100
85 42.7 33.5 50.3
151 75.7 60.3 90.5

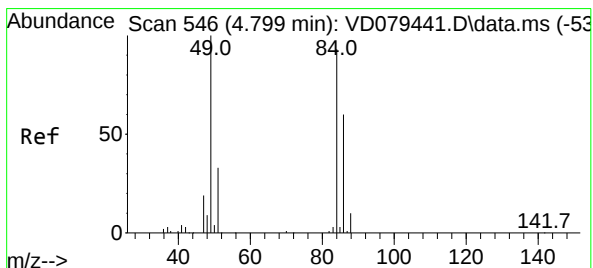
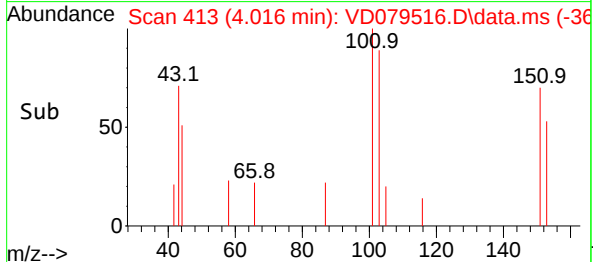
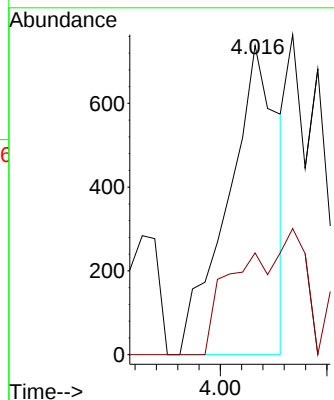
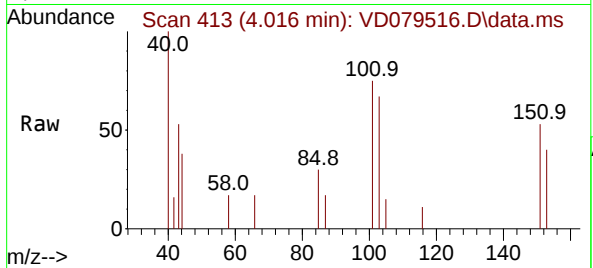




#16
Acetone
Concen: 3.383 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

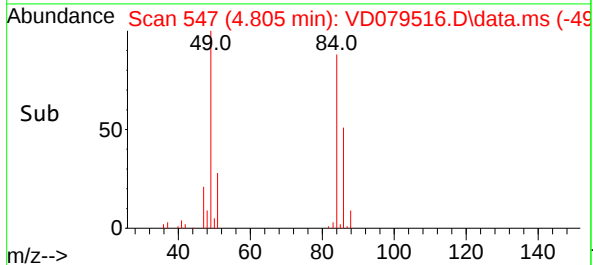
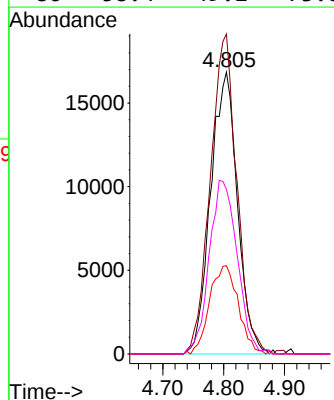
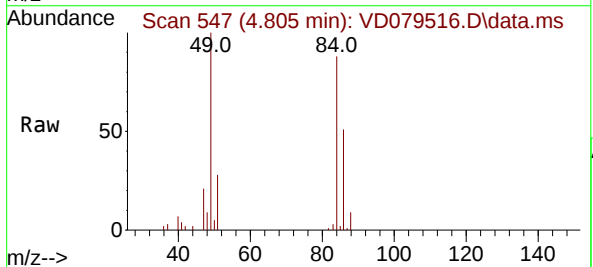
Instrument :
MSVOA_D
ClientSampleId :

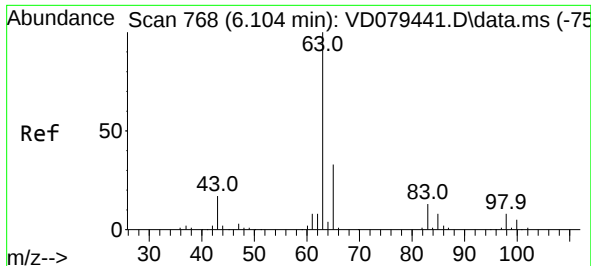
Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
58 32.9 30.4 45.6



#20
Methylene Chloride
Concen: 6.045 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

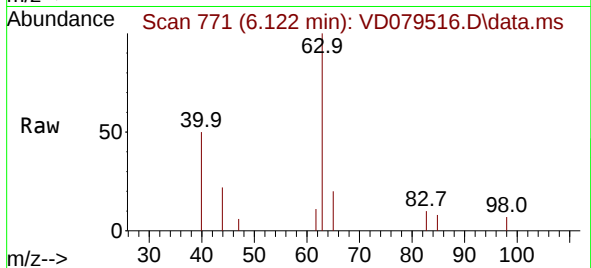
Tgt Ion: 84 Resp: 51557
Ion Ratio Lower Upper
84 100
49 113.5 75.6 113.4#
51 31.4 24.2 36.2
86 58.4 49.2 73.8



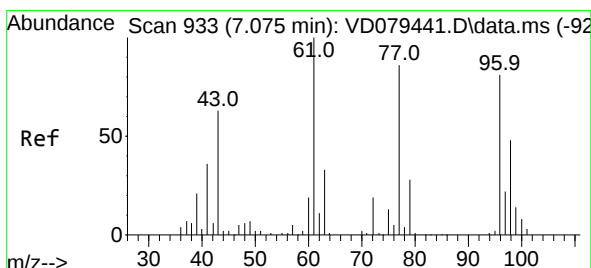
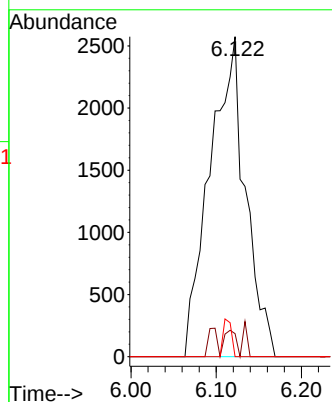
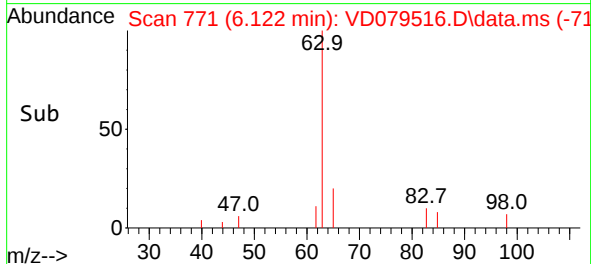


#24
 1,1-Dichloroethane
 Concen: 1.952 ug/l
 RT: 6.122 min Scan# 71
 Delta R.T. 0.017 min
 Lab File: VD079516.D
 Acq: 01 Aug 2024 02:14

Instrument :
 MSVOA_D
 ClientSampleId :

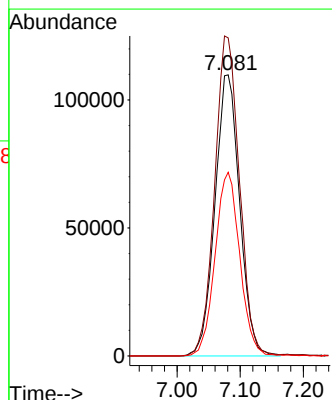
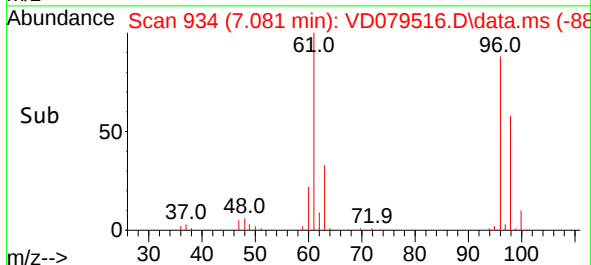
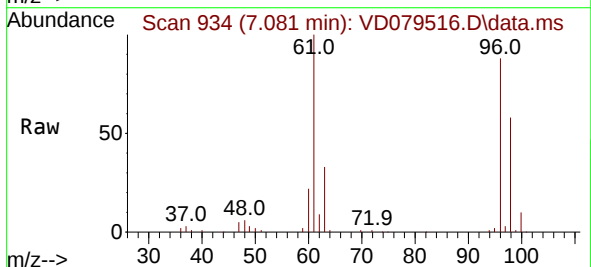


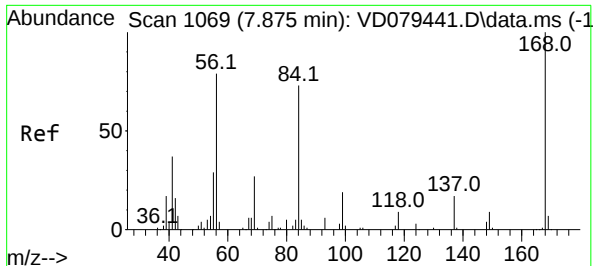
Tgt Ion: 63 Resp: 7475
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.7 14.0
 100 0.0 2.9 8.6#



#27
 cis-1,2-Dichloroethene
 Concen: 119.640 ug/l
 RT: 7.081 min Scan# 934
 Delta R.T. 0.006 min
 Lab File: VD079516.D
 Acq: 01 Aug 2024 02:14

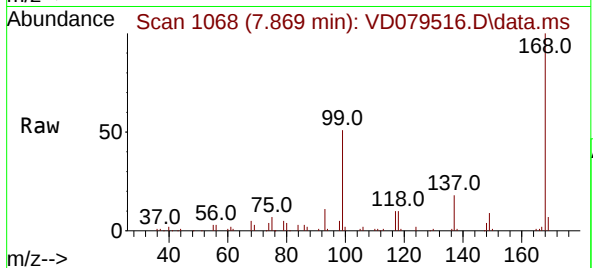
Tgt Ion: 96 Resp: 298723
 Ion Ratio Lower Upper
 96 100
 61 113.9 0.0 229.0
 98 65.3 0.0 127.2



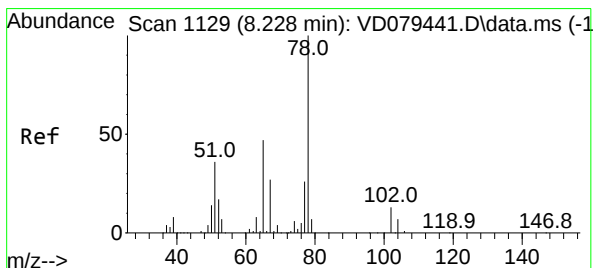
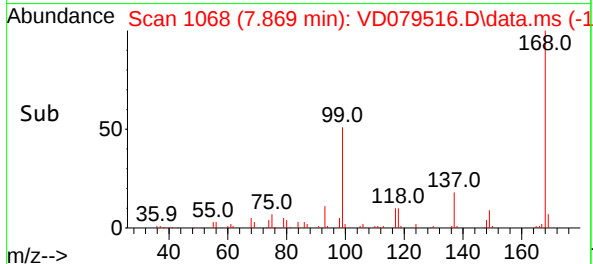
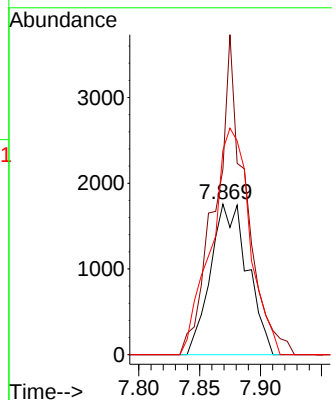


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Instrument :
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ClientSampleId :

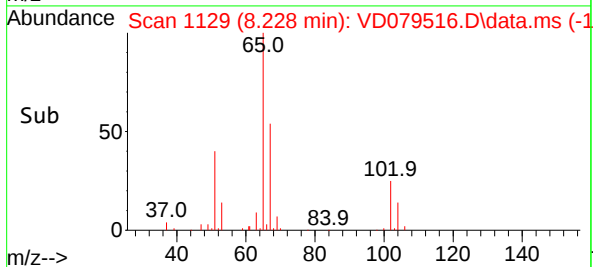
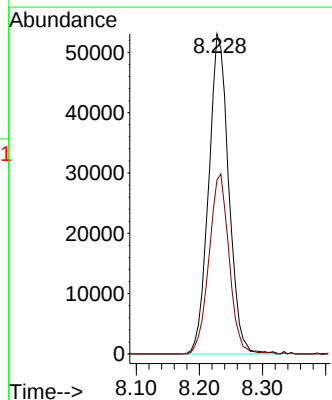
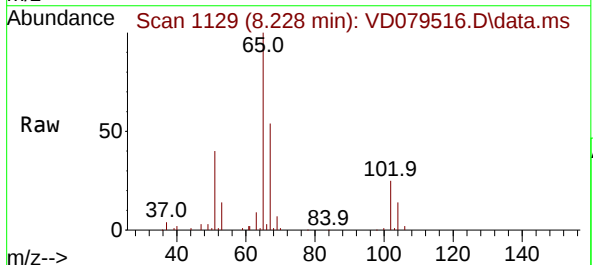


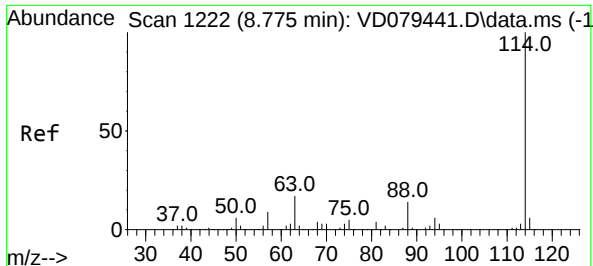
Tgt Ion: 56 Resp: 3738
Ion Ratio Lower Upper
56 100
69 123.3 28.0 42.0#
84 135.9 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 64.002 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Tgt Ion: 65 Resp: 117014
Ion Ratio Lower Upper
65 100
67 56.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

ClientSampleId :

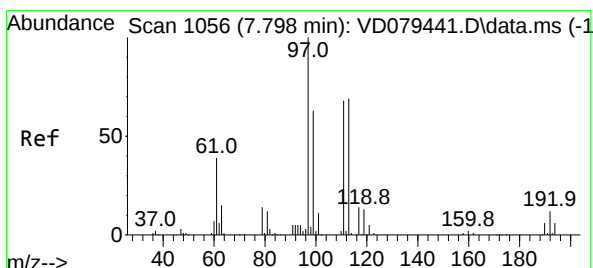
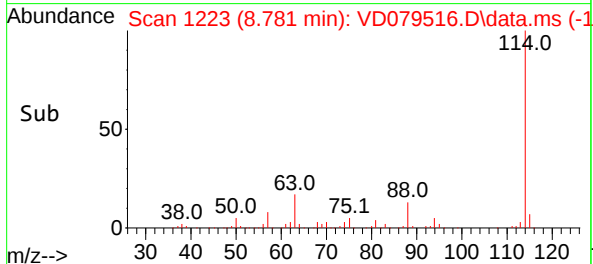
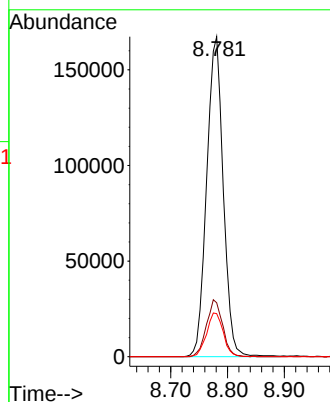
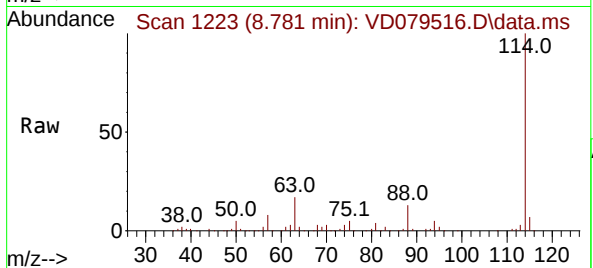
Tgt Ion:114 Resp: 337618

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.848 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

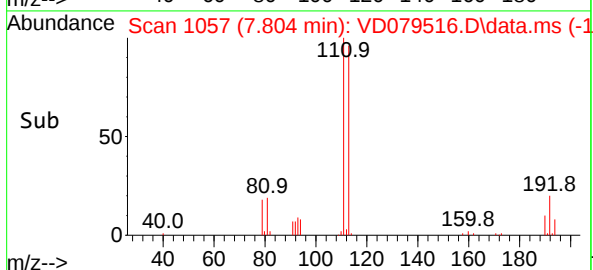
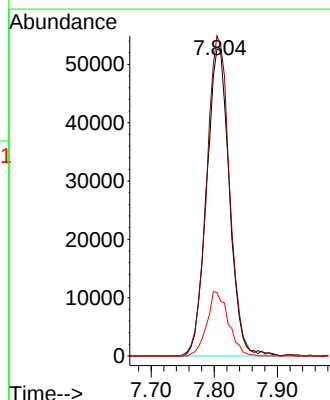
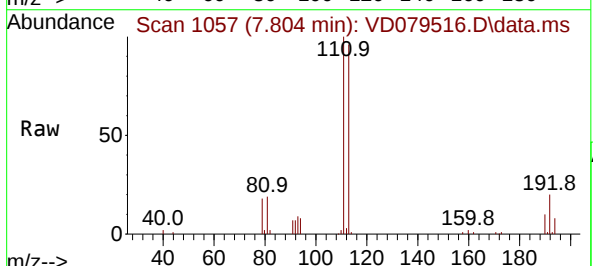
Tgt Ion:113 Resp: 132191

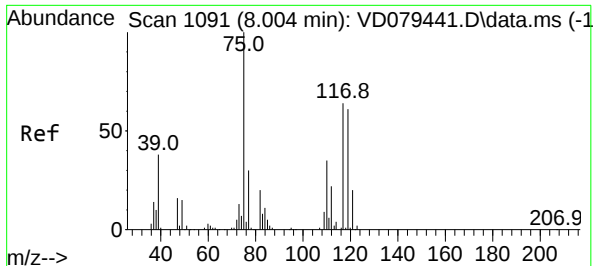
Ion Ratio Lower Upper

113 100

111 104.5 84.0 126.0

192 19.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.948 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

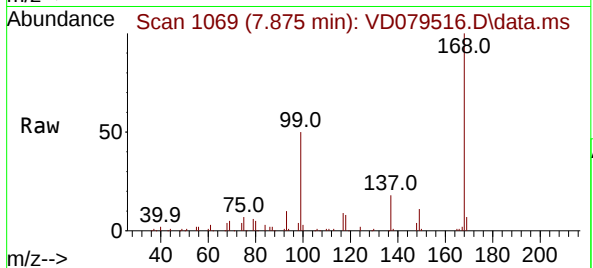
Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

ClientSampleId :



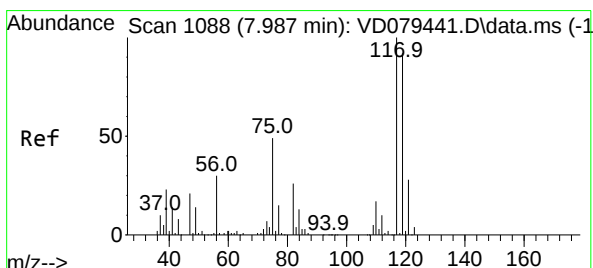
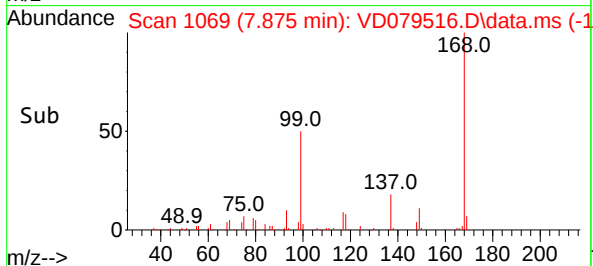
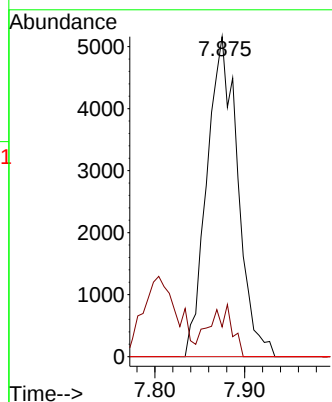
Tgt Ion: 75 Resp: 12313

Ion Ratio Lower Upper

75 100

110 12.0 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.095 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

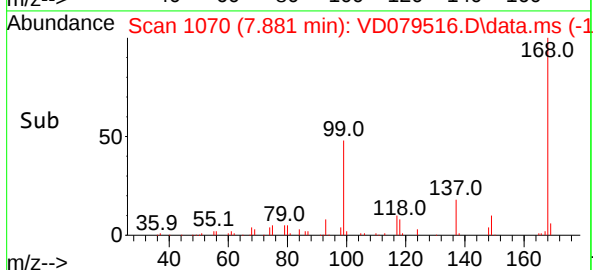
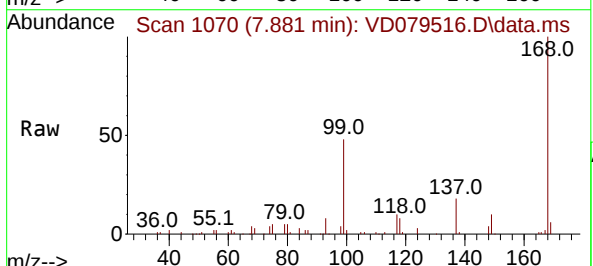
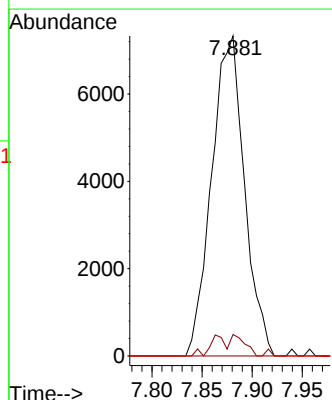
Tgt Ion: 117 Resp: 16704

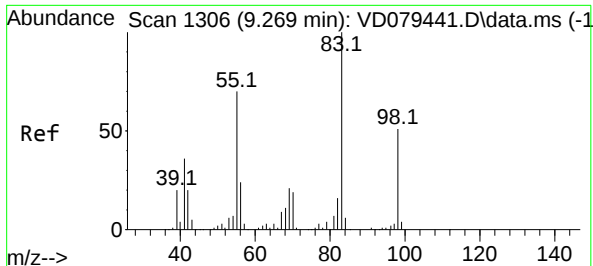
Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 3.110 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.247 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

ClientSampleId :

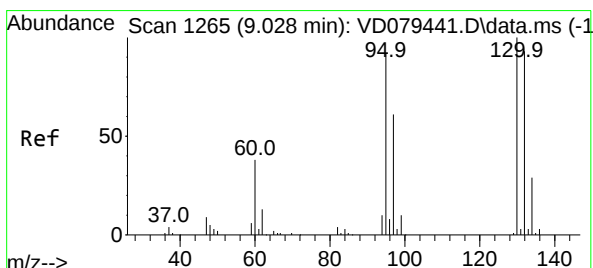
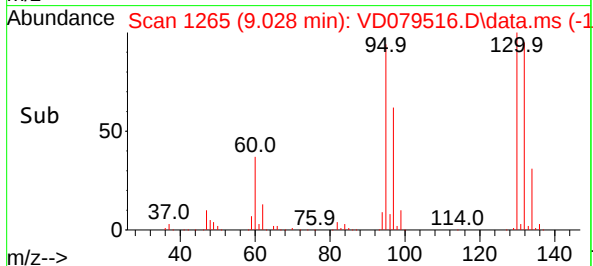
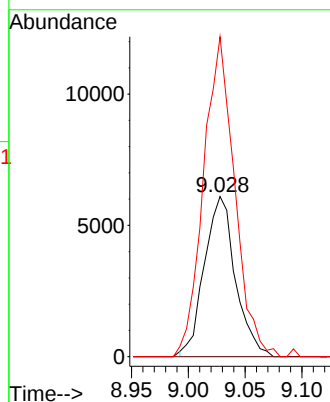
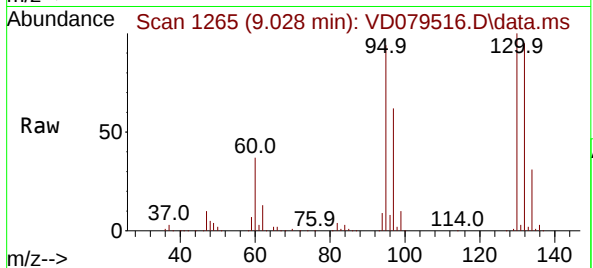
Tgt Ion: 83 Resp: 11572

Ion Ratio Lower Upper

83 100

55 0.0 50.1 75.1#

98 199.8 41.9 62.9#



#44

Trichloroethene

Concen: 394.732 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079516.D

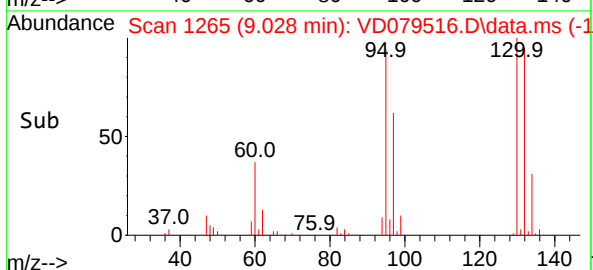
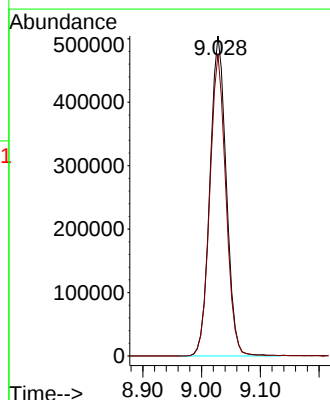
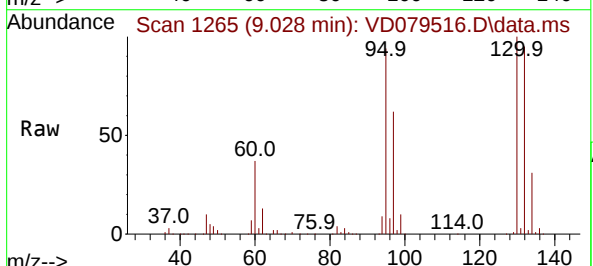
Acq: 01 Aug 2024 02:14

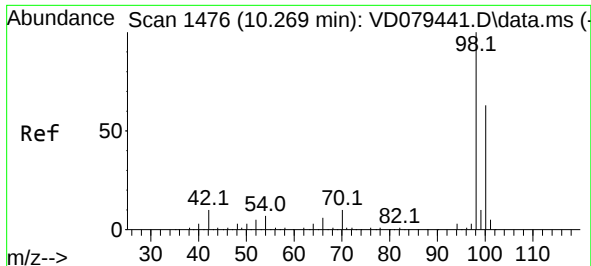
Tgt Ion:130 Resp: 973429

Ion Ratio Lower Upper

130 100

95 94.3 0.0 177.8

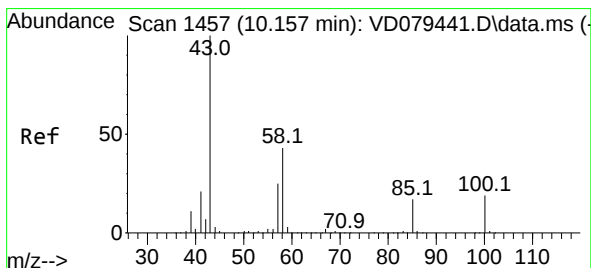
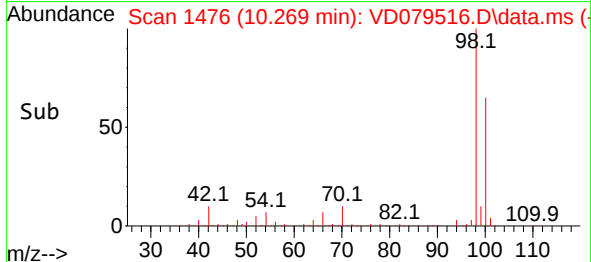
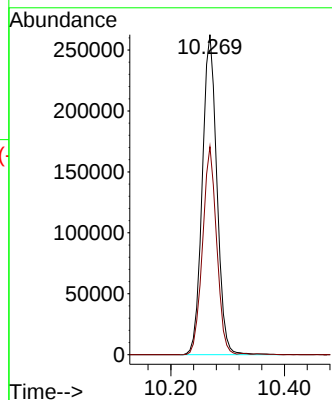
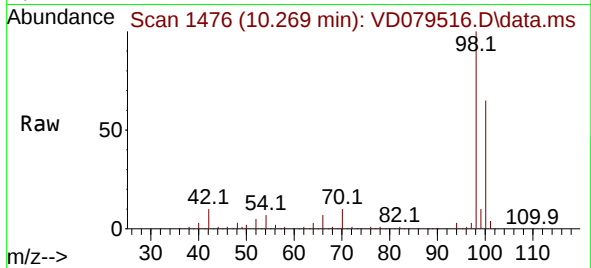




#50
Toluene-d8
Concen: 52.664 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

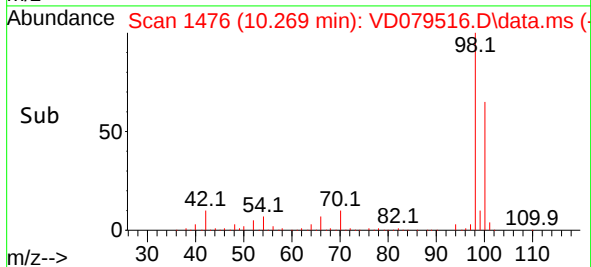
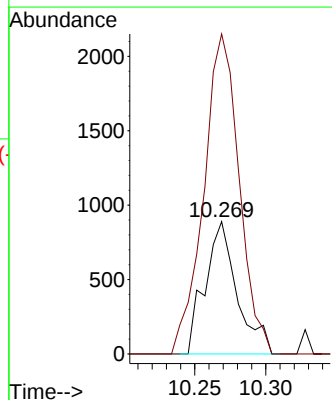
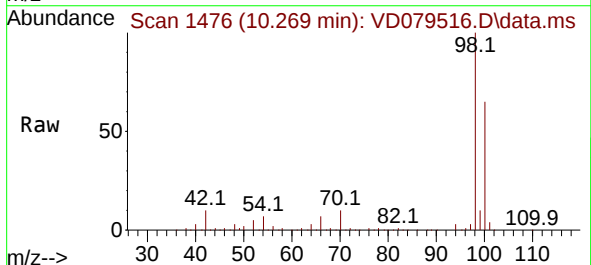
Instrument :
MSVOA_D
ClientSampleId :

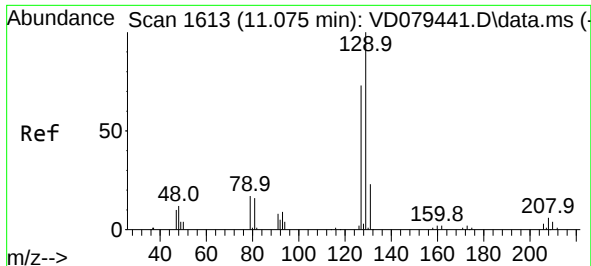
Tgt Ion: 98 Resp: 467347
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.137 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 267.7 36.6 55.0#

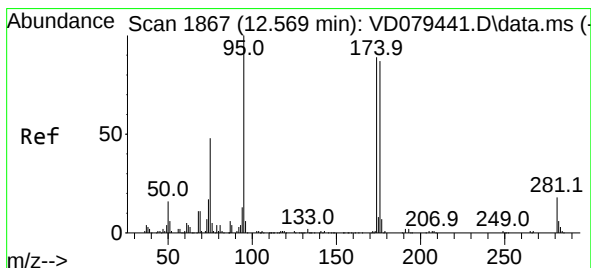
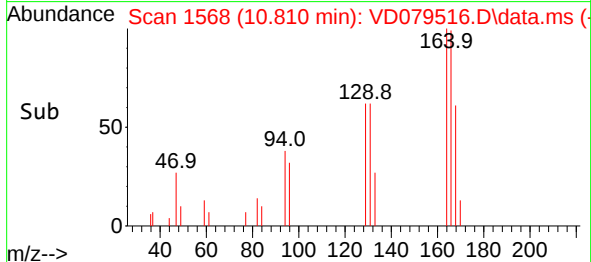
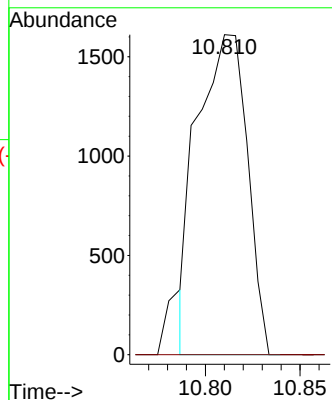
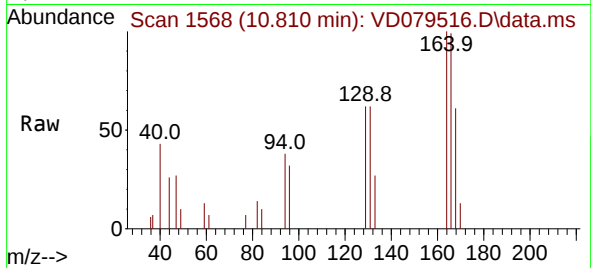




#60
Dibromochloromethane
Concen: 1.292 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.259 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

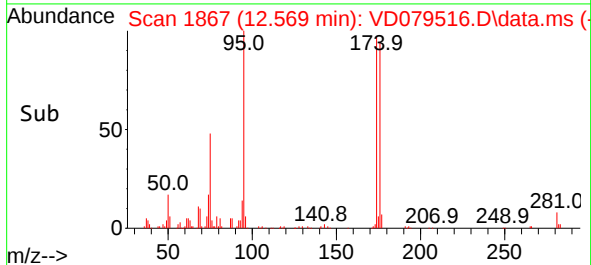
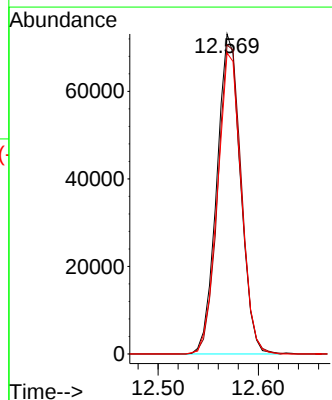
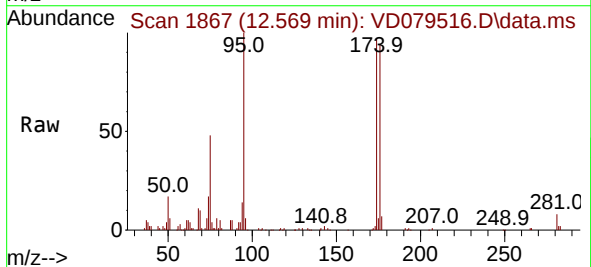
Instrument :
MSVOA_D
ClientSampleId :

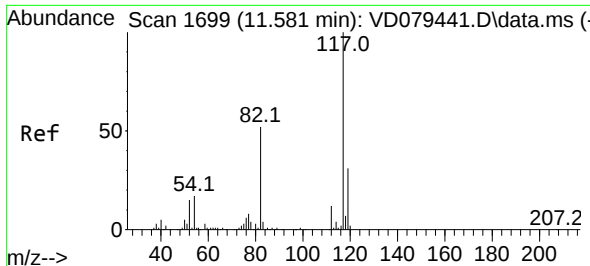
Tgt Ion:129 Resp: 2972
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#62
4-Bromofluorobenzene
Concen: 46.570 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

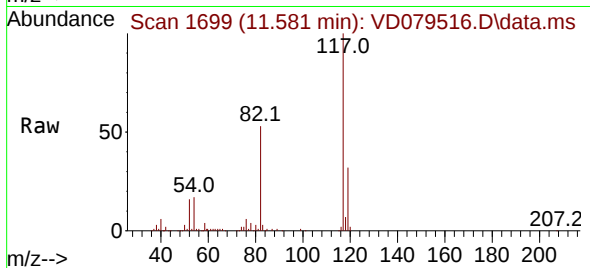
Tgt Ion: 95 Resp: 119592
Ion Ratio Lower Upper
95 100
174 96.8 0.0 195.4
176 94.4 0.0 192.6



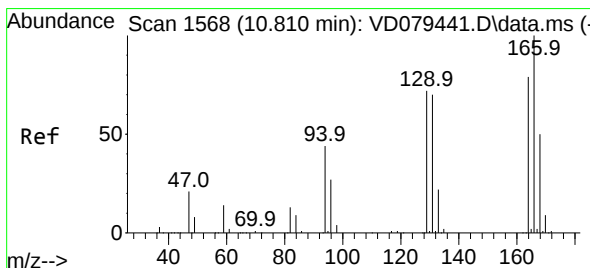
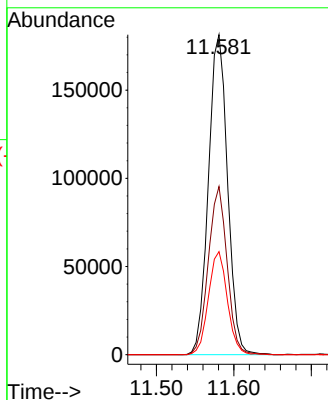
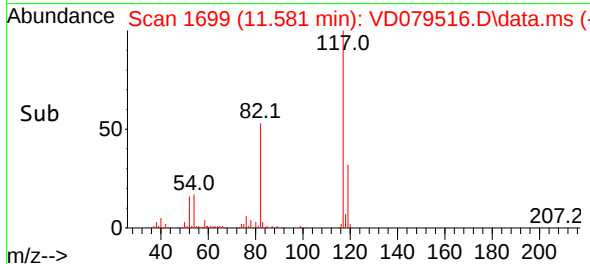


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Instrument :
MSVOA_D
ClientSampleId :

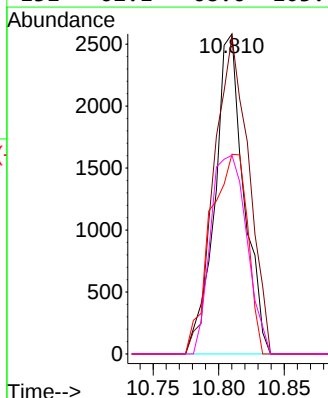
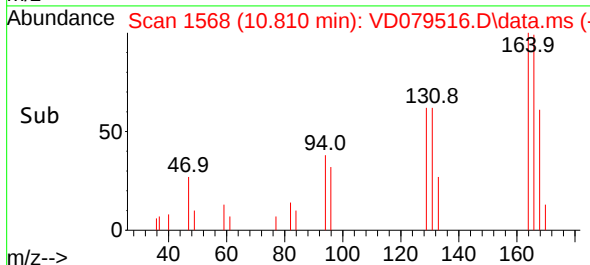
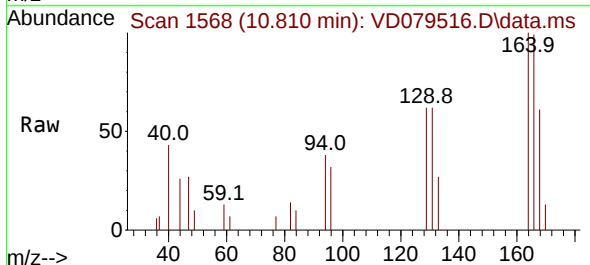


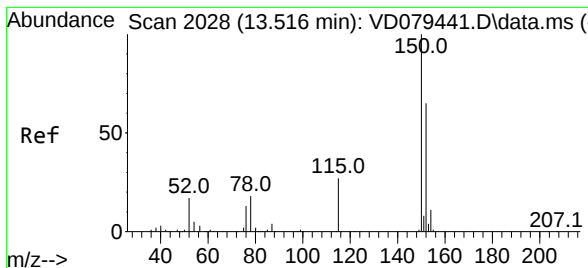
Tgt Ion:117 Resp: 312182
Ion Ratio Lower Upper
117 100
82 52.5 39.8 59.6
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 1.896 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD079516.D
Acq: 01 Aug 2024 02:14

Tgt Ion:164 Resp: 3991
Ion Ratio Lower Upper
164 100
166 99.3 108.6 163.0#
129 62.4 74.6 112.0#
131 62.1 68.6 103.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

ClientSampleId :

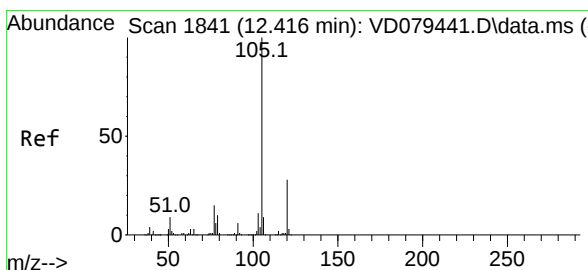
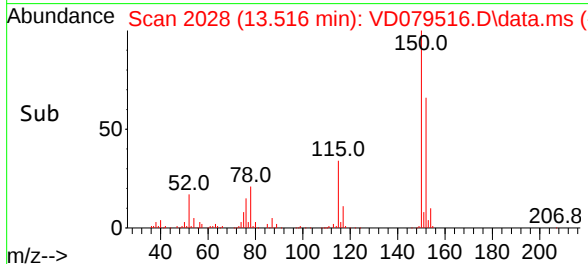
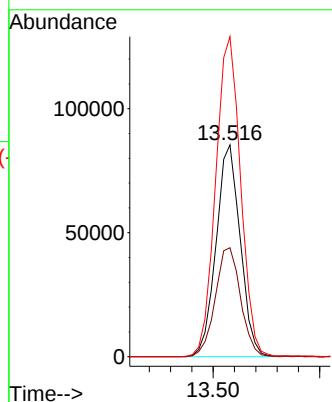
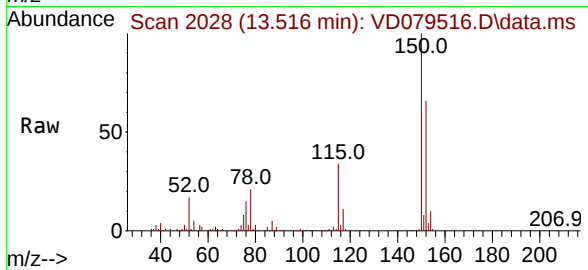
Tgt Ion:152 Resp: 134212

Ion Ratio Lower Upper

152 100

115 54.0 26.5 79.5

150 156.0 0.0 341.6



#73

Isopropylbenzene

Concen: 3.645 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079516.D

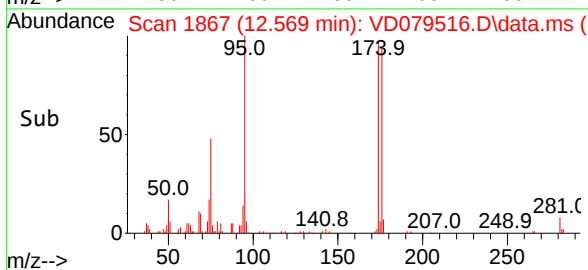
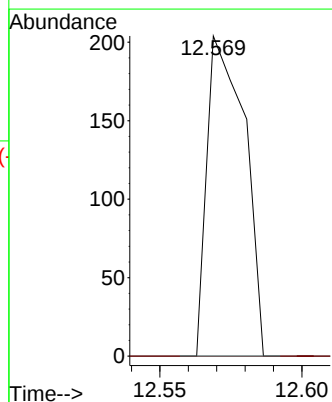
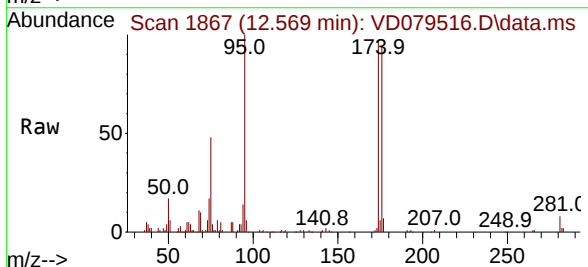
Acq: 01 Aug 2024 02:14

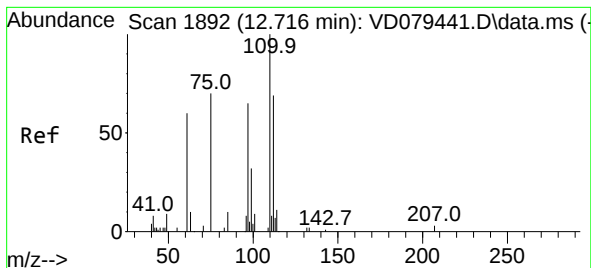
Tgt Ion:105 Resp: 187

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#





#76

1,2,3-Trichloropropane

Concen: 51.125 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

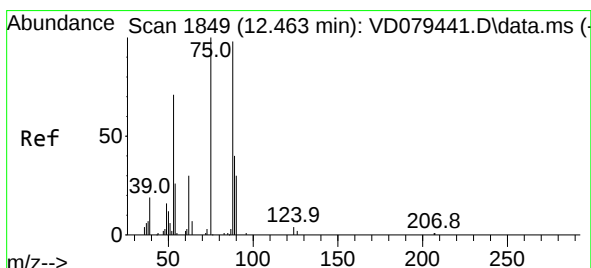
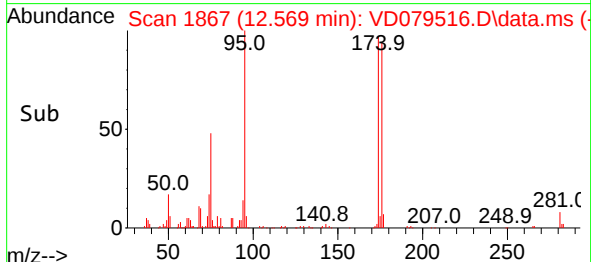
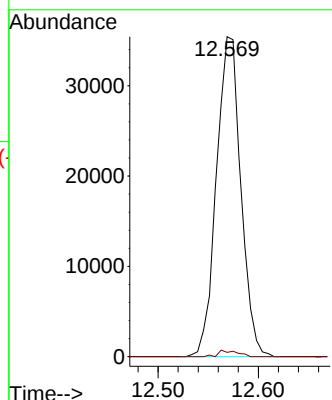
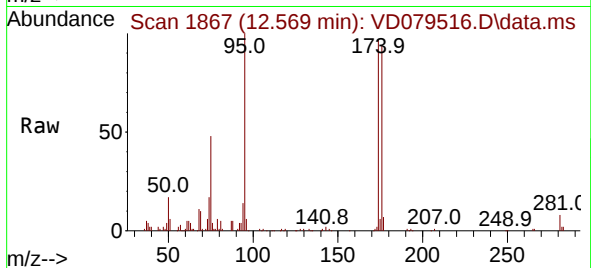
ClientSampleId :

Tgt Ion: 75 Resp: 59977

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.509 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.100 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

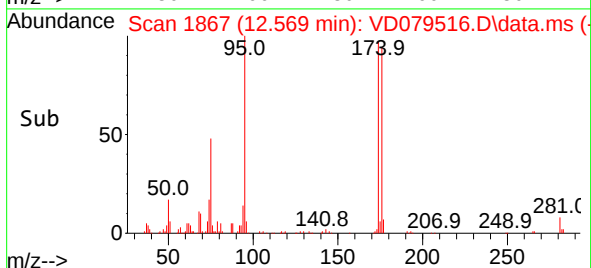
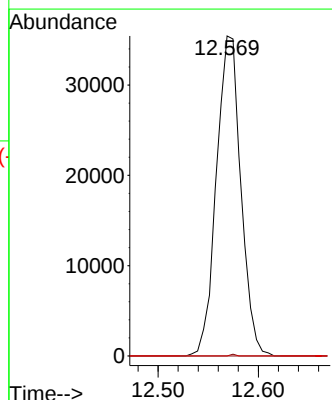
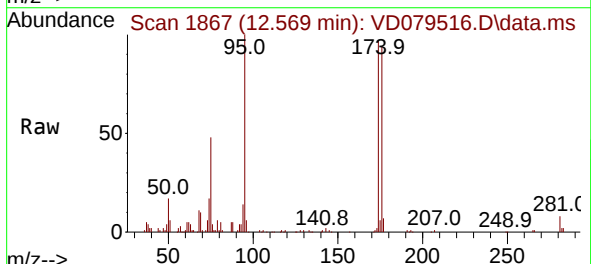
Tgt Ion: 75 Resp: 59977

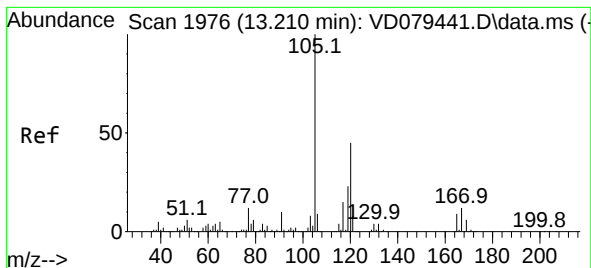
Ion Ratio Lower Upper

75 100

53 0.1 61.4 92.2#

89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.462 ug/l

RT: 13.204 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Instrument :

MSVOA_D

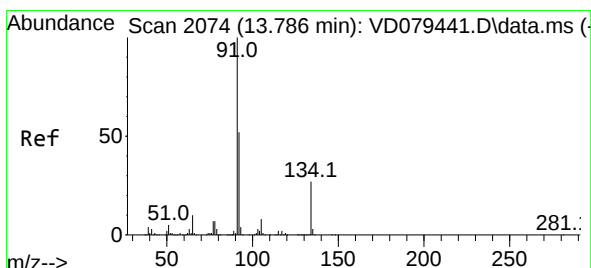
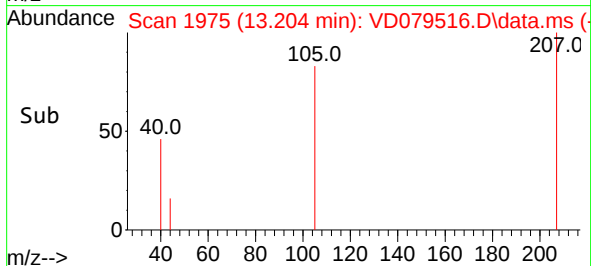
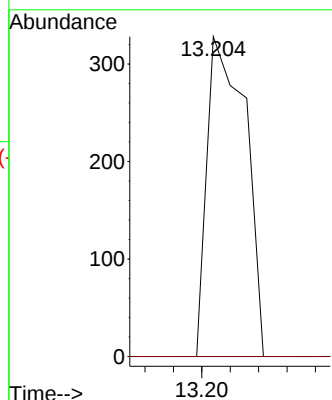
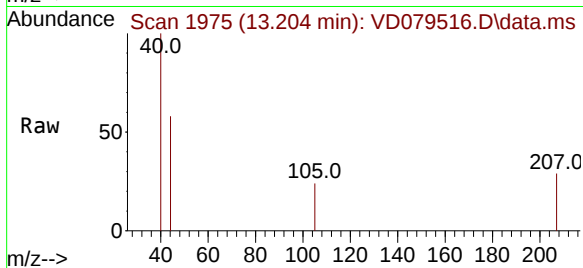
ClientSampleId :

Tgt Ion:105 Resp: 307

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#89

n-Butylbenzene

Concen: 3.791 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.005 min

Lab File: VD079516.D

Acq: 01 Aug 2024 02:14

Tgt Ion: 91 Resp: 83

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

