

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079521.D
 Acq On : 01 Aug 2024 04:31
 Operator : RP/MD
 Sample : P3374-07
 Misc : 7.33G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:50:03 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)

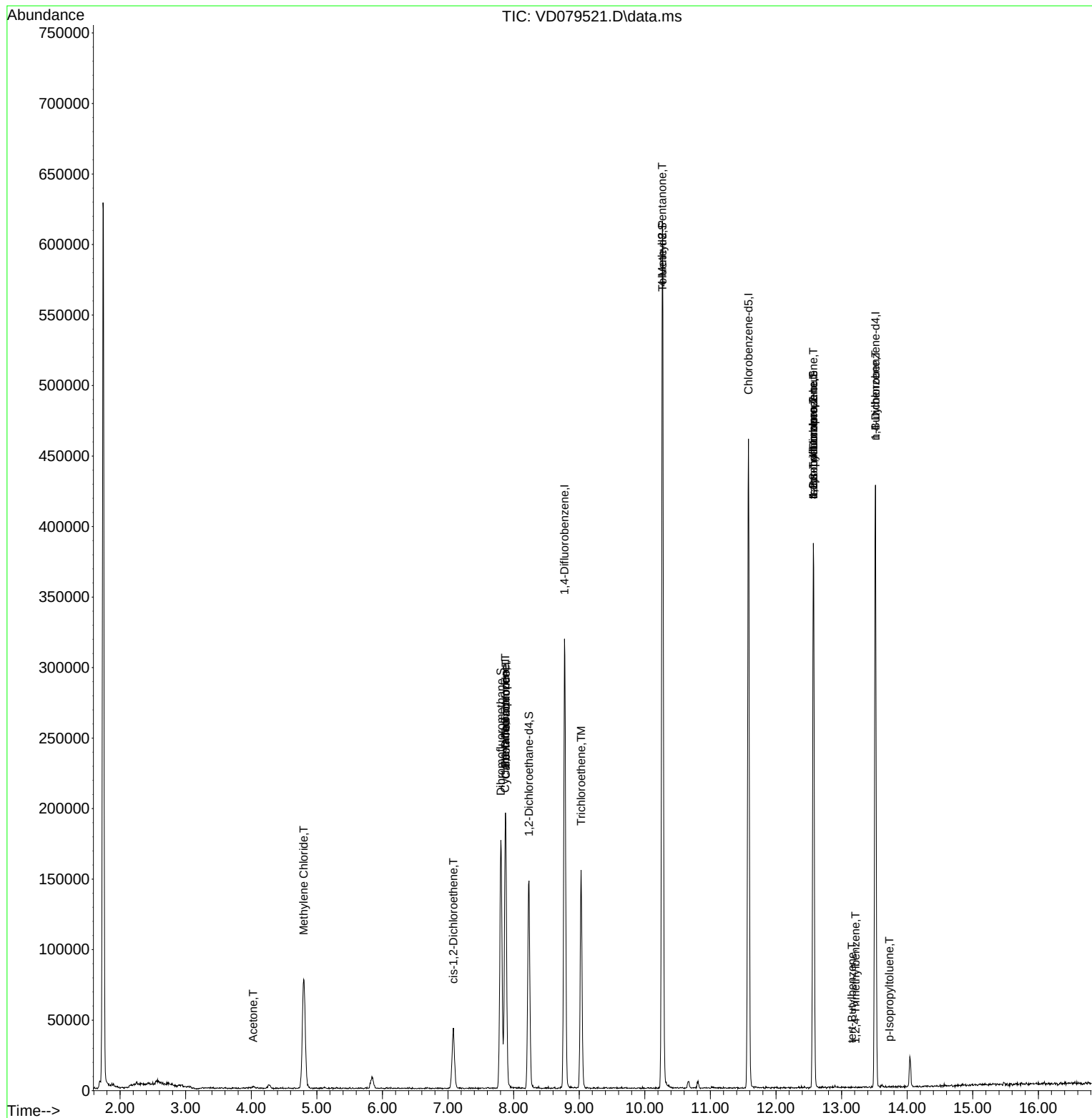
Internal Standards						
1) Pentafluorobenzene	7.875	168	159584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	291893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	281848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113950	70.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.580%	
35) Dibromofluoromethane	7.805	113	127262	64.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.820%	
50) Toluene-d8	10.269	98	441246	57.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.020%	
62) 4-Bromofluorobenzene	12.569	95	113167	50.972	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.722	94	59	Below Cal		98
11) Tert butyl alcohol	5.064	59	79	Below Cal	#	86
16) Acetone	4.028	43	2334	7.408	ug/l #	74
20) Methylene Chloride	4.799	84	63929	18.492	ug/l #	86
27) cis-1,2-Dichloroethene	7.081	96	26832	12.119	ug/l	96
31) Cyclohexane	7.869	56	3319	1.233	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	11767	4.364	ug/l #	46
38) Carbon Tetrachloride	7.881	117	14860	5.242	ug/l #	16
44) Trichloroethene	9.028	130	57314	26.882	ug/l	99
51) 4-Methyl-2-Pentanone	10.263	43	1366	1.288	ug/l #	1
73) Isopropylbenzene	12.569	105	333	3.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	55719	52.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	55719	101.061	ug/l #	19
83) tert-Butylbenzene	13.157	119	69	3.638	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.210	105	113	3.442	ug/l #	29
86) p-Isopropyltoluene	13.728	119	65	3.894	ug/l #	51
89) n-Butylbenzene	13.516	91	187	3.804	ug/l #	34

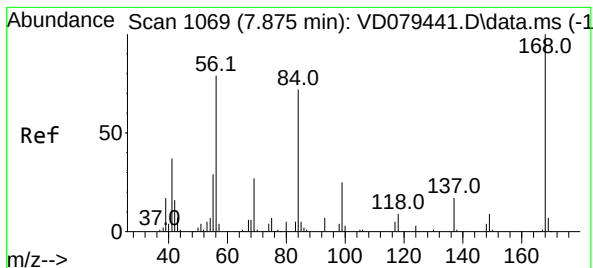
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 04:50:03 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

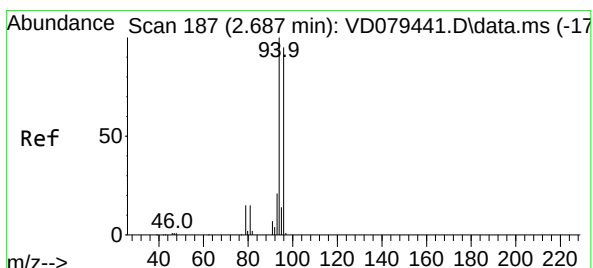
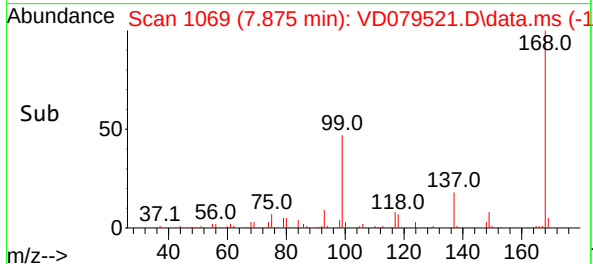
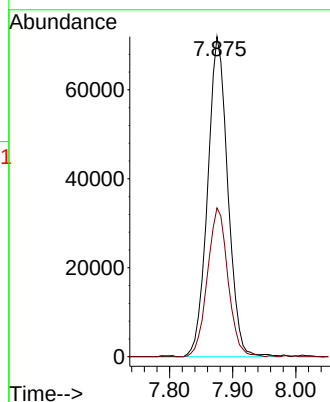
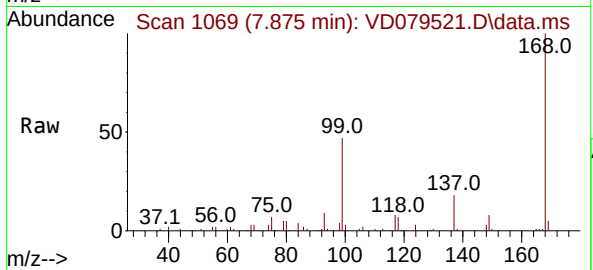
ClientSampleId :

Tgt Ion:168 Resp: 159584

Ion Ratio Lower Upper

168 100

99 46.5 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.722 min Scan# 193

Delta R.T. 0.035 min

Lab File: VD079521.D

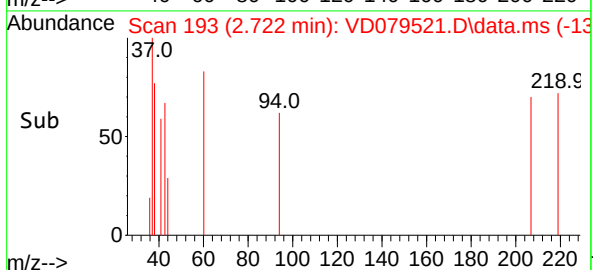
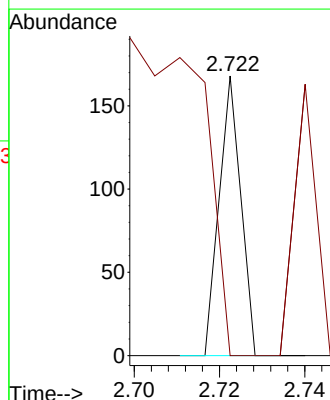
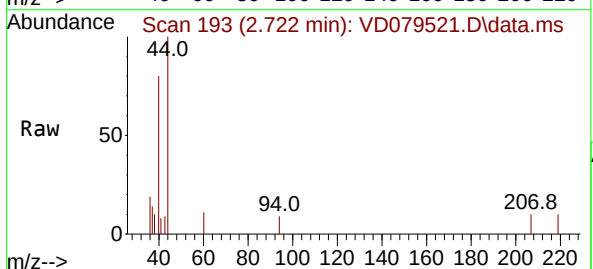
Acq: 01 Aug 2024 04:31

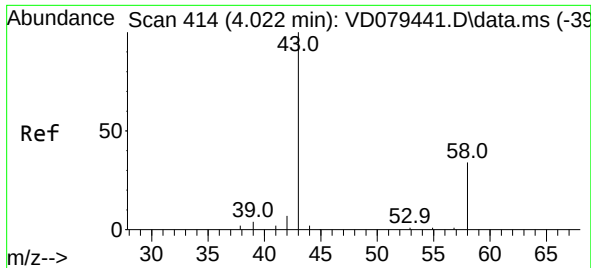
Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

96 98.3 76.9 115.3

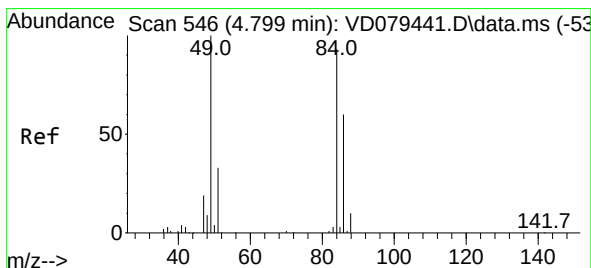
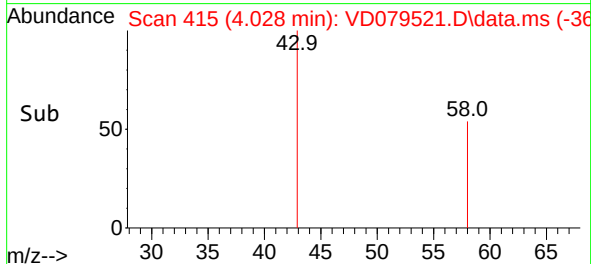
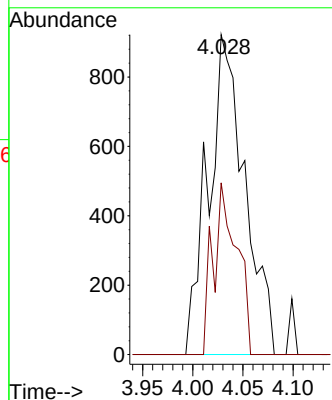
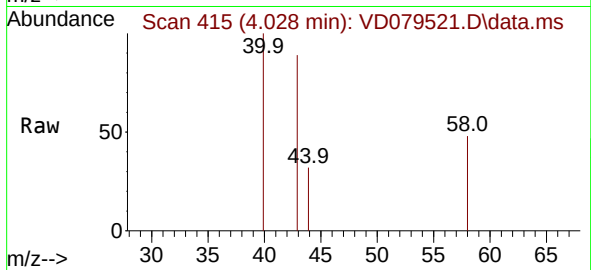




#16
Acetone
Concen: 7.408 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

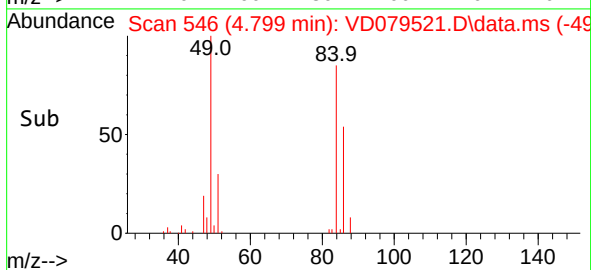
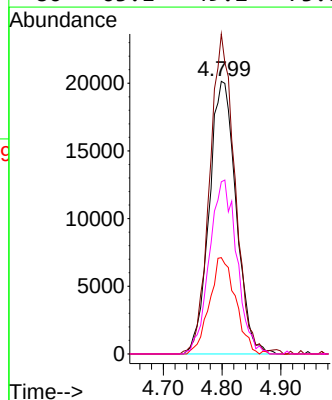
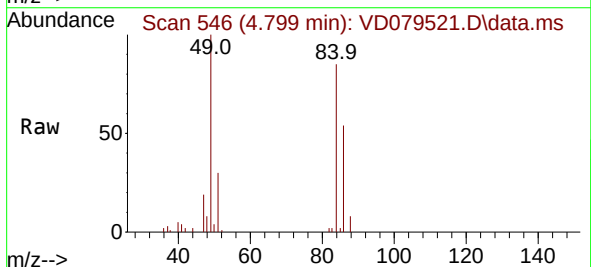
Instrument :
MSVOA_D
ClientSampleId :

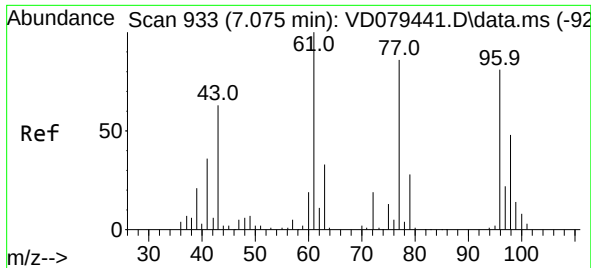
Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
58 53.7 30.4 45.6#



#20
Methylene Chloride
Concen: 18.492 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 84 Resp: 63929
Ion Ratio Lower Upper
84 100
49 117.4 75.6 113.4#
51 35.3 24.2 36.2
86 63.1 49.2 73.8

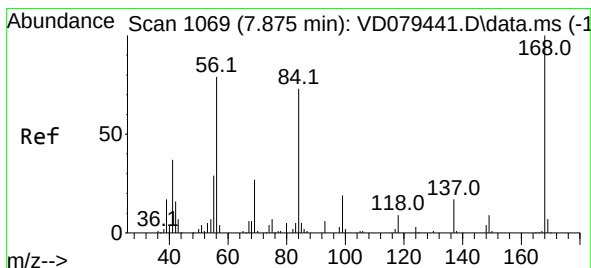
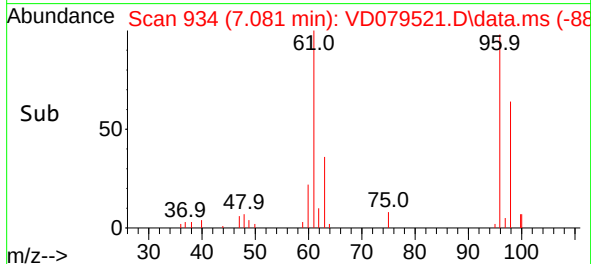
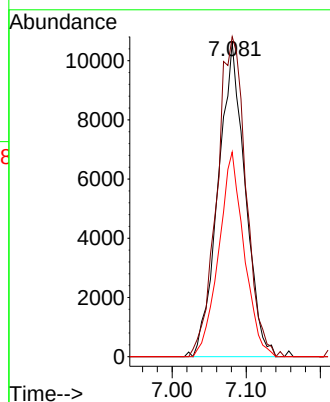
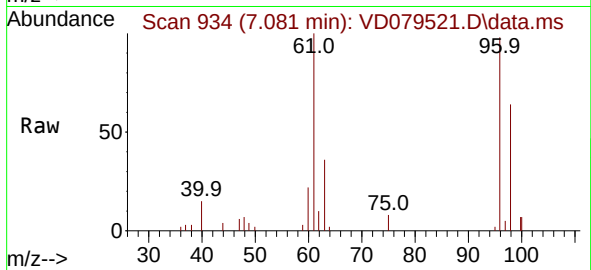




#27
 cis-1,2-Dichloroethene
 Concen: 12.119 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD079521.D
 Acq: 01 Aug 2024 04:31

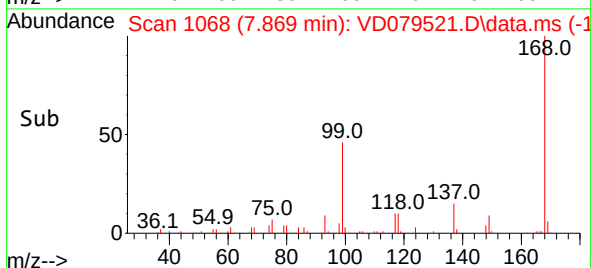
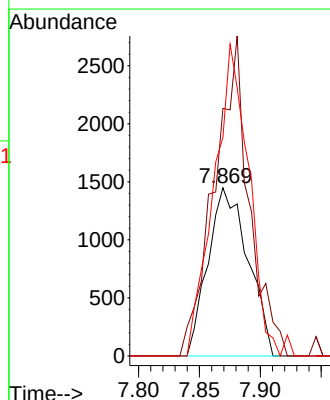
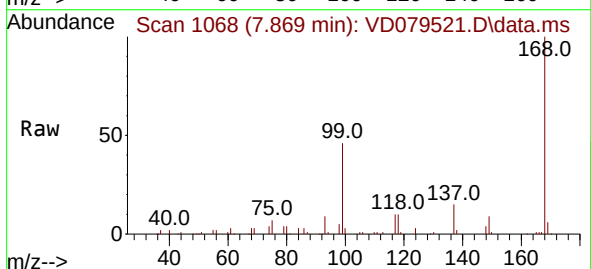
Instrument :
 MSVOA_D
 ClientSampleId :

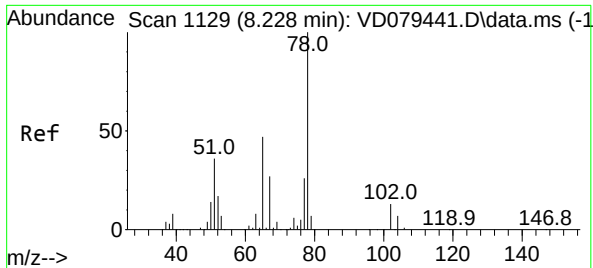
Tgt Ion: 96 Resp: 26832
 Ion Ratio Lower Upper
 96 100
 61 109.4 0.0 229.0
 98 61.3 0.0 127.2



#31
 Cyclohexane
 Concen: 1.233 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.012 min
 Lab File: VD079521.D
 Acq: 01 Aug 2024 04:31

Tgt Ion: 56 Resp: 3319
 Ion Ratio Lower Upper
 56 100
 69 147.1 28.0 42.0#
 84 130.0 87.4 131.0

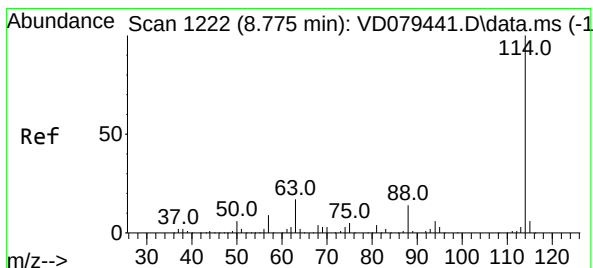
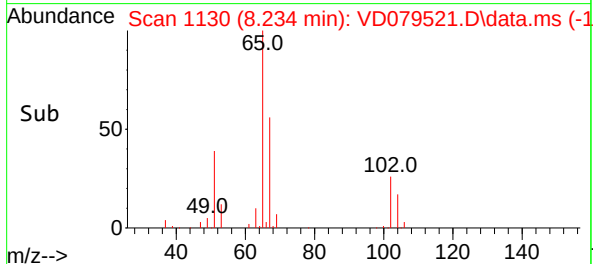
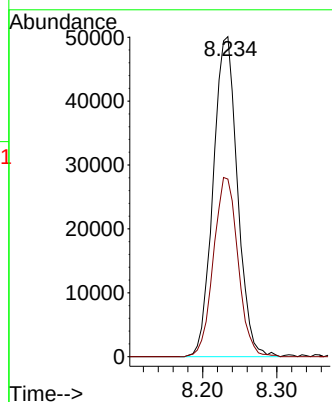
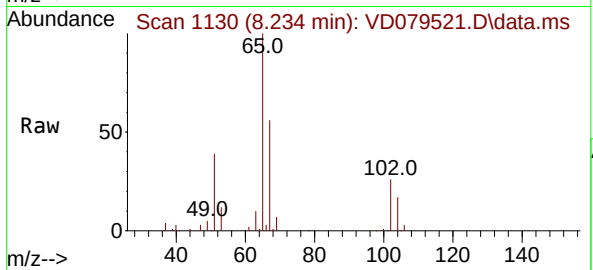




#33
 1,2-Dichloroethane-d4
 Concen: 70.286 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD079521.D
 Acq: 01 Aug 2024 04:31

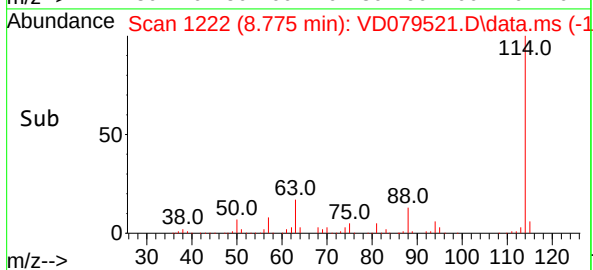
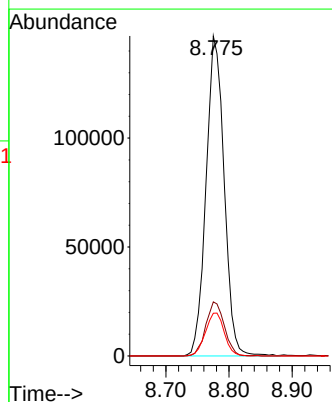
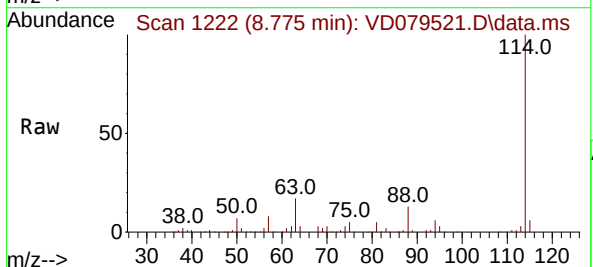
Instrument :
 MSVOA_D
 ClientSampleId :

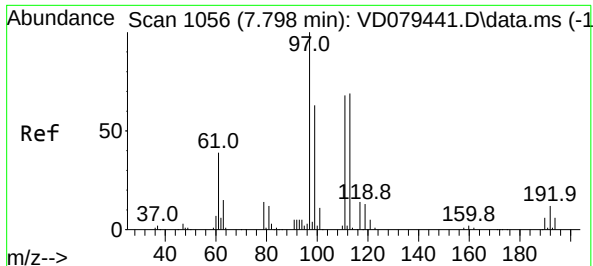
Tgt Ion: 65 Resp: 113950
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.000 min
 Lab File: VD079521.D
 Acq: 01 Aug 2024 04:31

Tgt Ion: 114 Resp: 291893
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 34.0
 88 13.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 64.415 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. 0.000 min

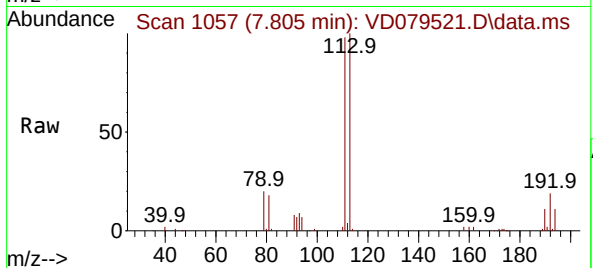
Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :



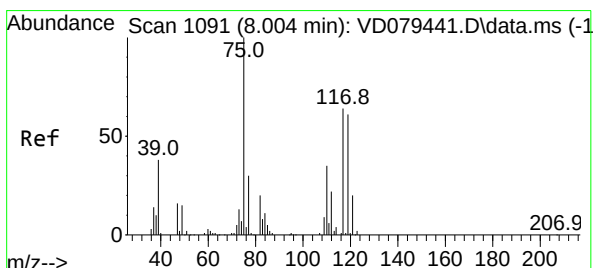
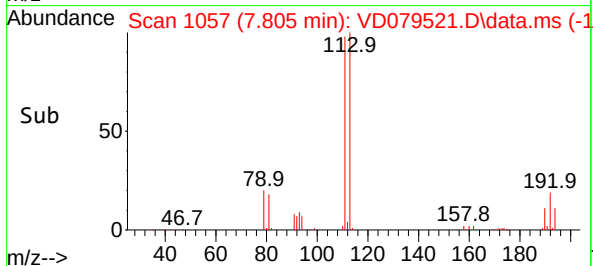
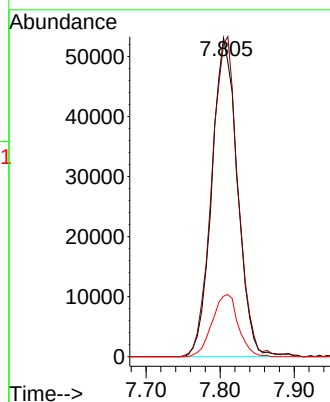
Tgt Ion:113 Resp: 127262

Ion Ratio Lower Upper

113 100

111 102.9 84.0 126.0

192 19.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.364 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

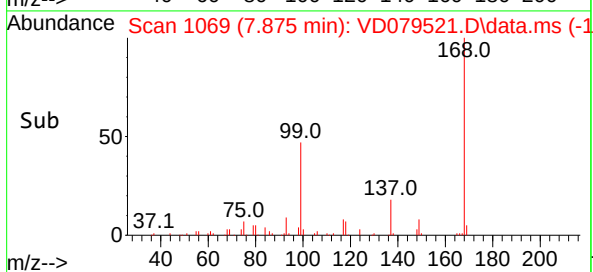
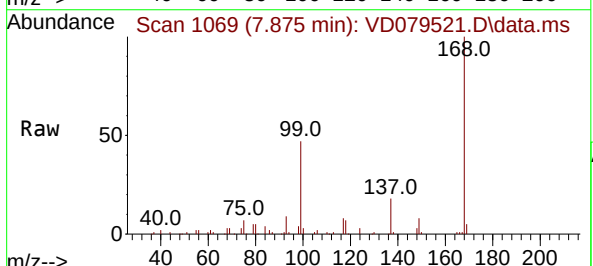
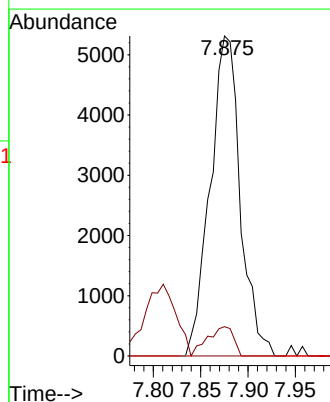
Tgt Ion: 75 Resp: 11767

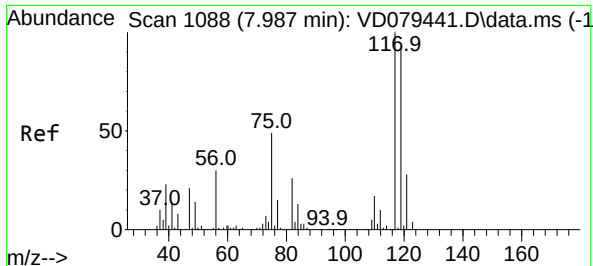
Ion Ratio Lower Upper

75 100

110 7.9 19.6 58.7#

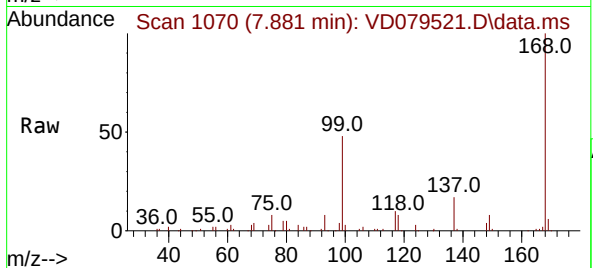
77 0.0 26.1 39.1#



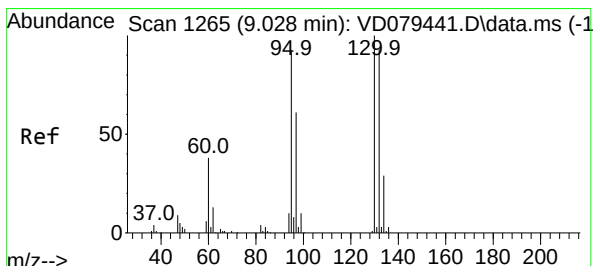
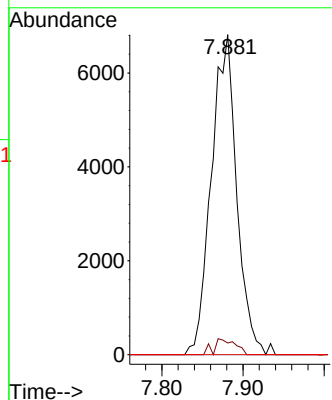
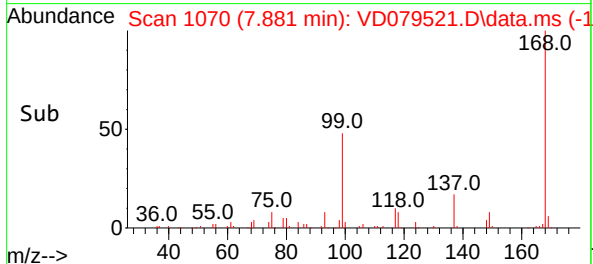


#38
Carbon Tetrachloride
Concen: 5.242 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Instrument :
MSVOA_D
ClientSampleId :

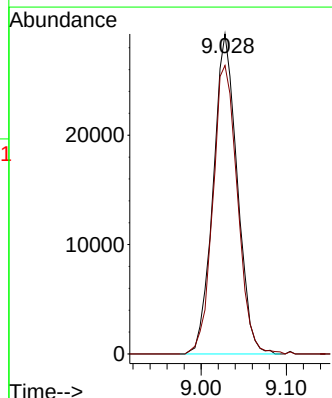
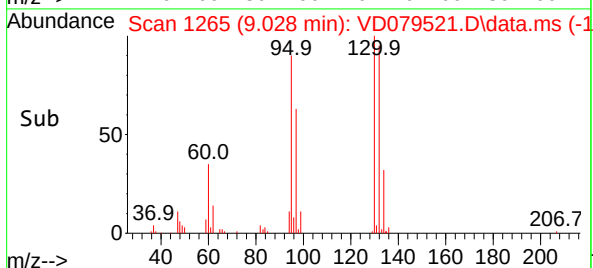
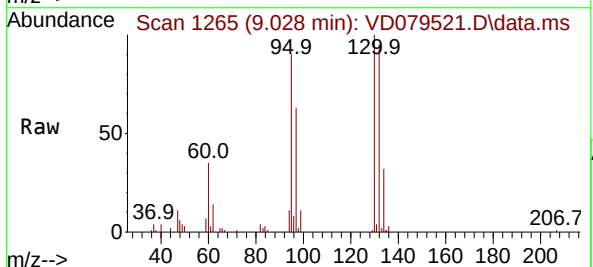


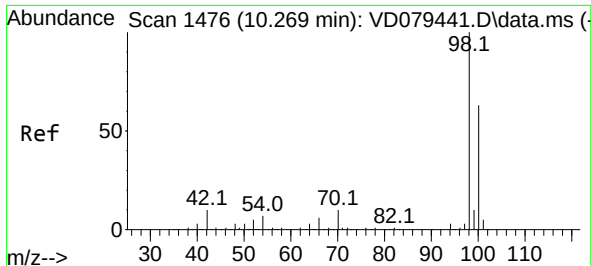
Tgt Ion:117 Resp: 14860
Ion Ratio Lower Upper
117 100
119 3.7 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 26.882 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion:130 Resp: 57314
Ion Ratio Lower Upper
130 100
95 90.1 0.0 177.8

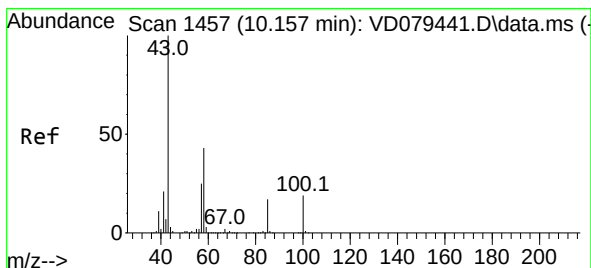
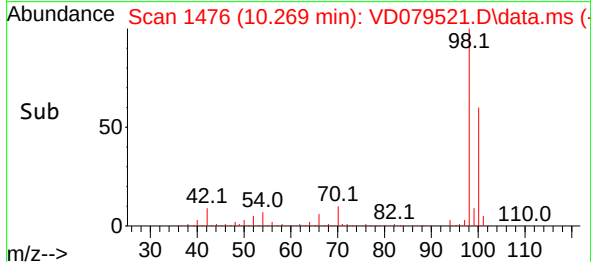
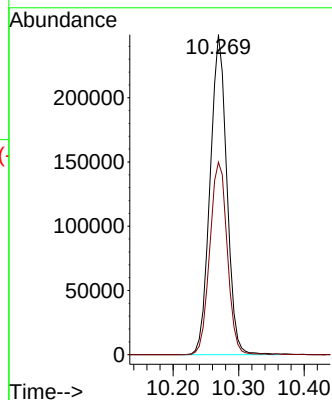
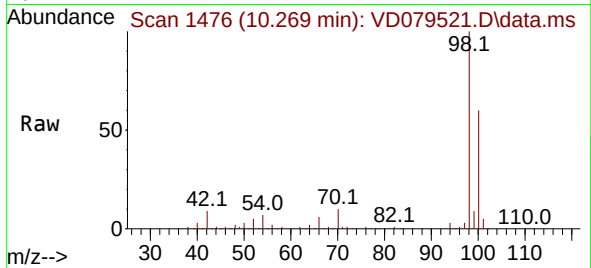




#50
Toluene-d8
Concen: 57.512 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

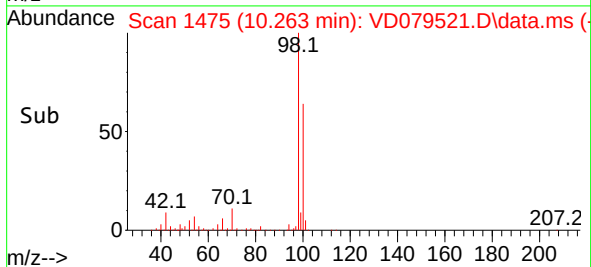
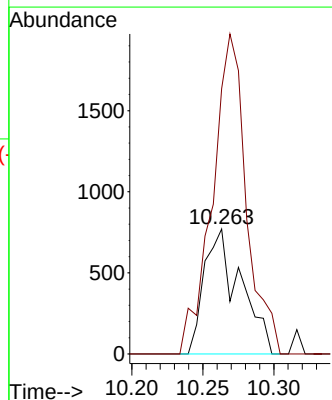
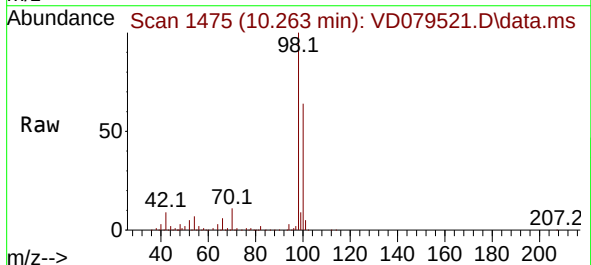
Instrument :
MSVOA_D
ClientSampleId :

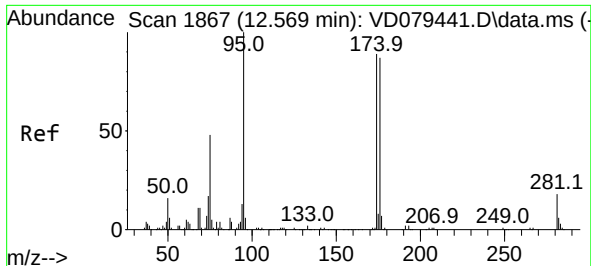
Tgt Ion: 98 Resp: 441246
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.288 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 241.1 36.6 55.0#

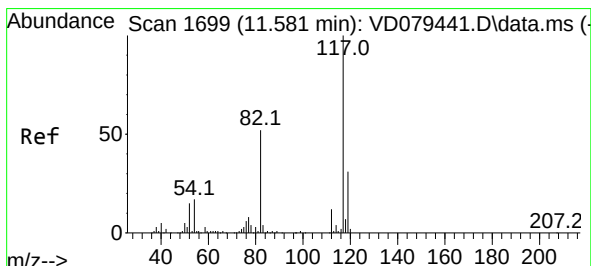
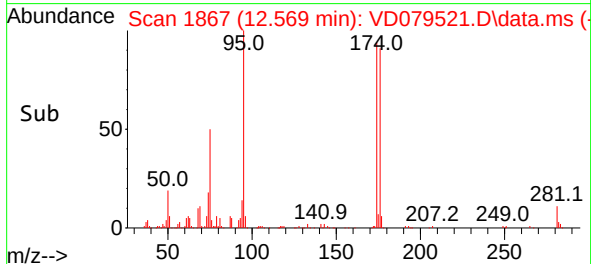
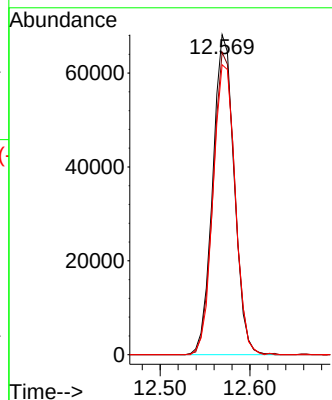
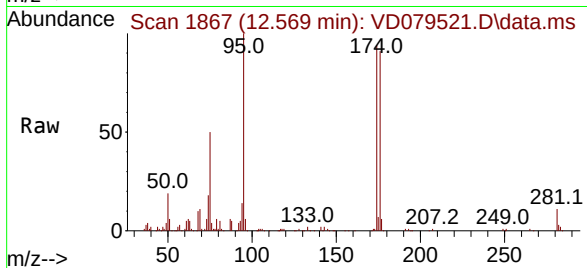




#62
4-Bromofluorobenzene
Concen: 50.972 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

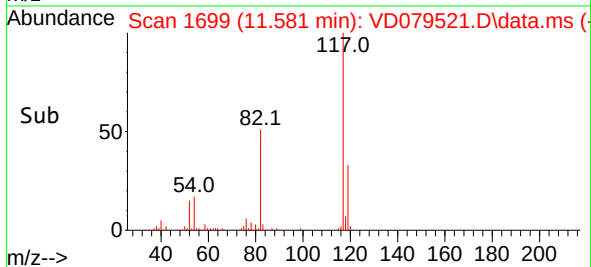
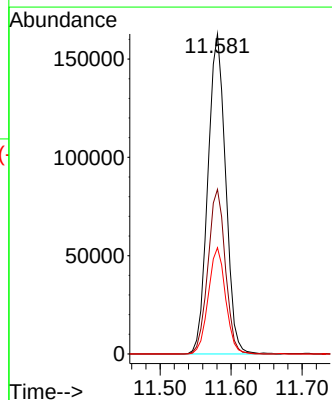
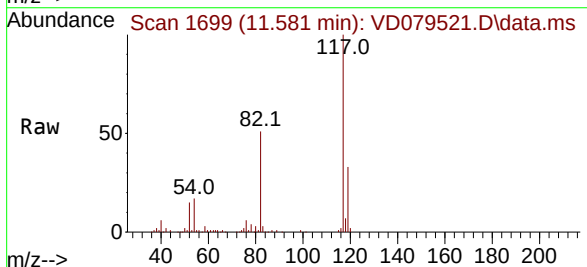
Instrument :
MSVOA_D
ClientSampleId :

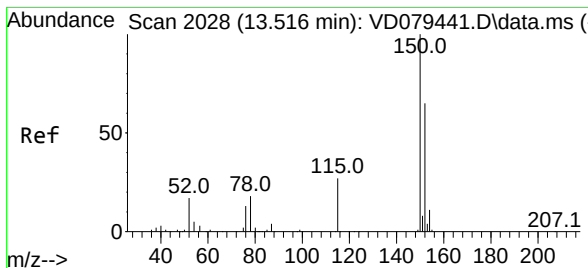
Tgt Ion: 95 Resp: 113167
Ion Ratio Lower Upper
95 100
174 95.9 0.0 195.4
176 93.3 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 117 Resp: 281848
Ion Ratio Lower Upper
117 100
82 51.4 39.8 59.6
119 33.2 25.7 38.5

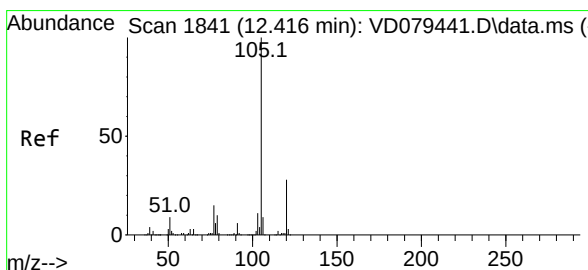
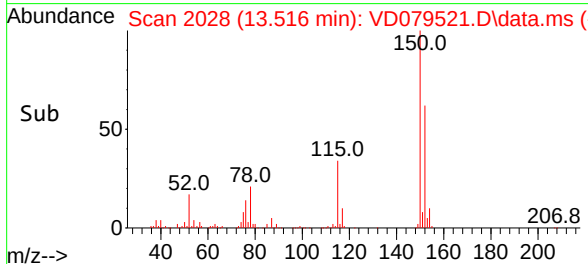
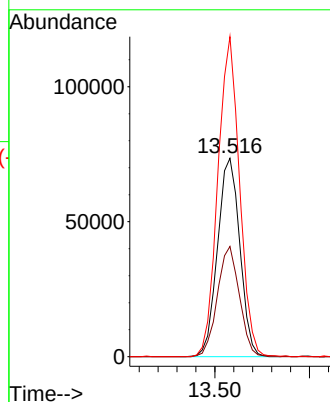
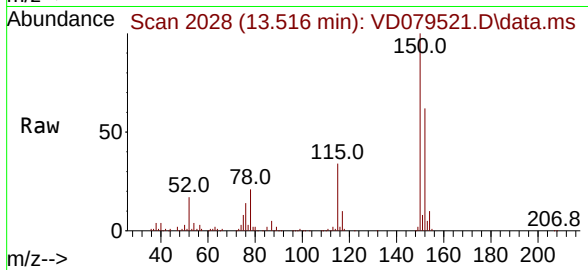




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

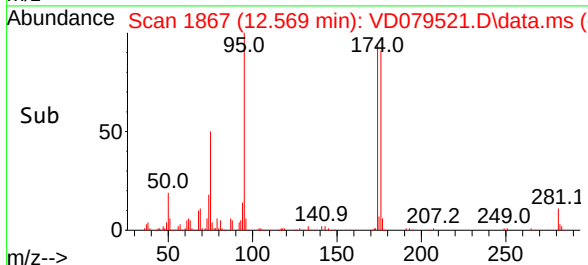
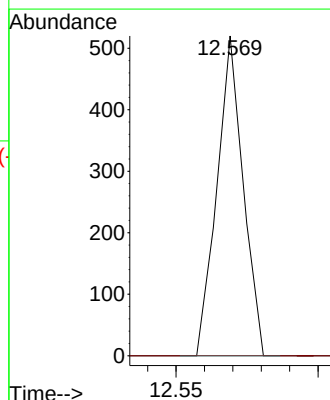
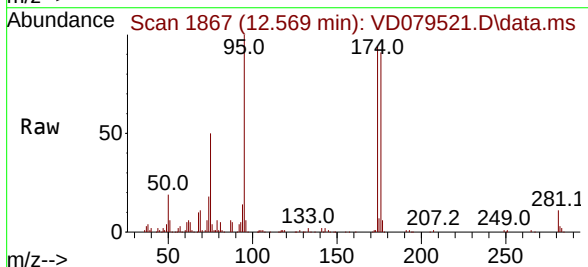
Instrument :
MSVOA_D
ClientSampleId :

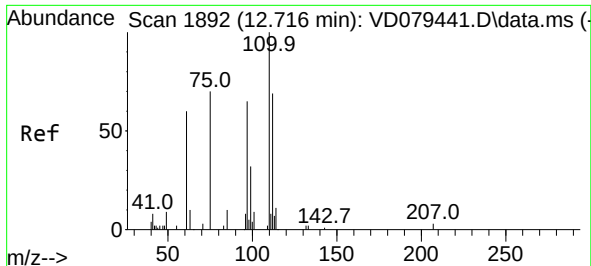
Tgt Ion:152 Resp: 120302
Ion Ratio Lower Upper
152 100
115 54.9 26.5 79.5
150 156.7 0.0 341.6



#73
Isopropylbenzene
Concen: 3.662 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.153 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion:105 Resp: 333
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

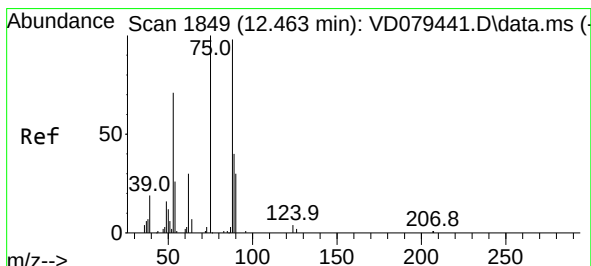
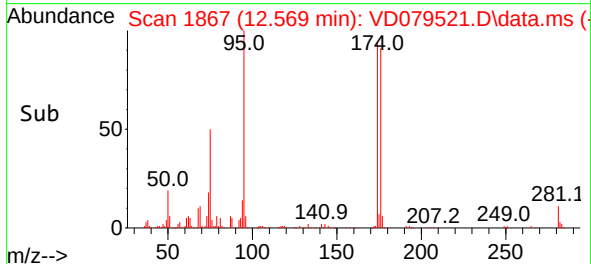
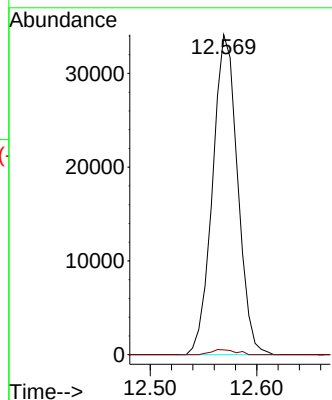
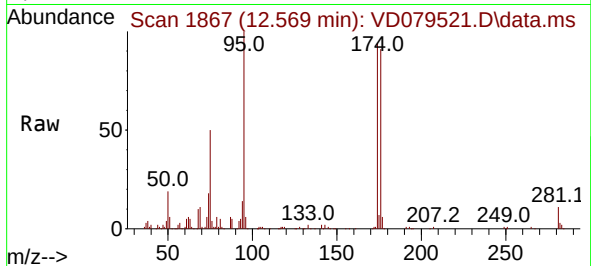




#76
1,2,3-Trichloropropane
Concen: 52.987 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

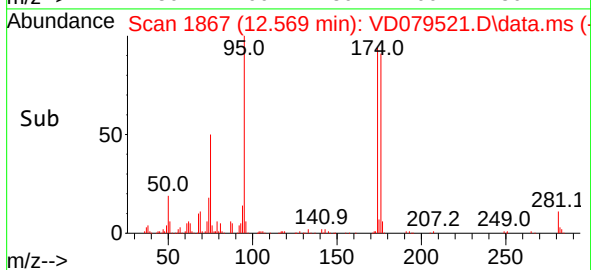
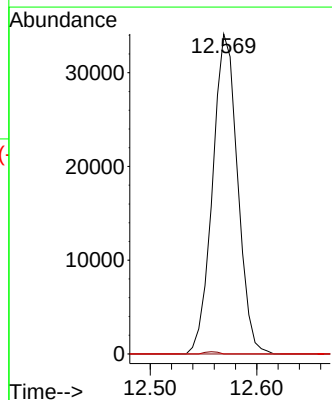
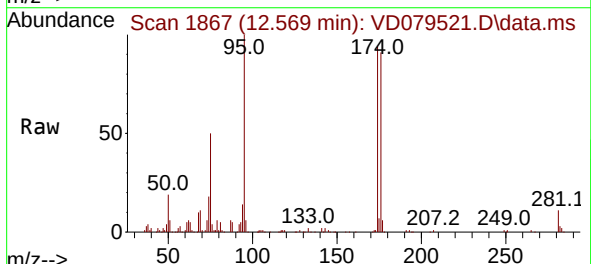
Instrument :
MSVOA_D
ClientSampleId :

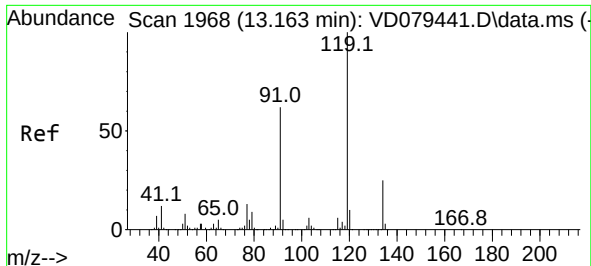
Tgt Ion: 75 Resp: 55719
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.061 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

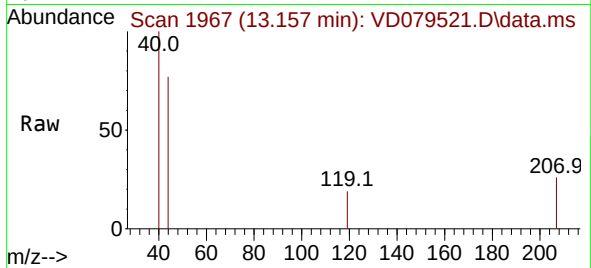
Tgt Ion: 75 Resp: 55719
Ion Ratio Lower Upper
75 100
53 0.4 61.4 92.2#
89 0.0 35.4 53.0#



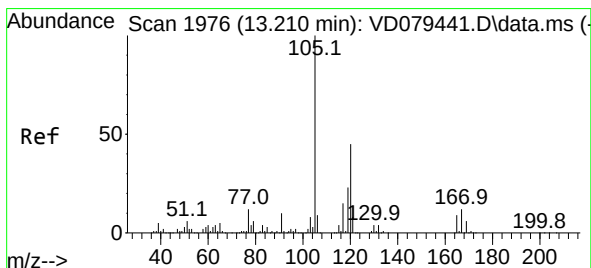
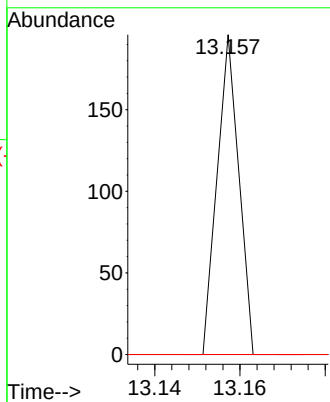
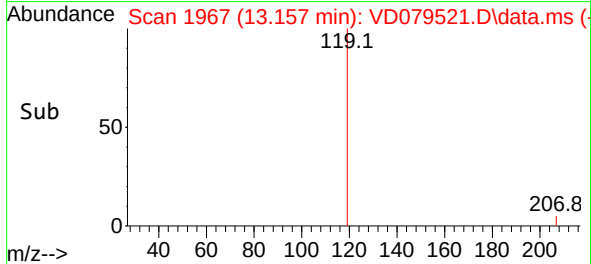


#83
tert-Butylbenzene
Concen: 3.638 ug/l
RT: 13.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

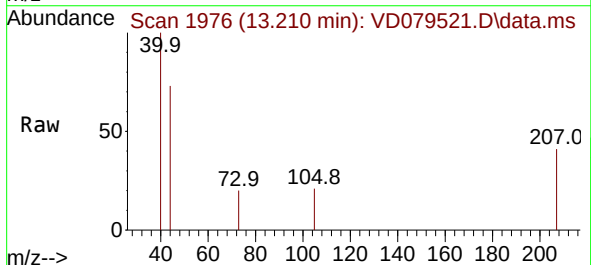
Instrument :
MSVOA_D
ClientSampleId :



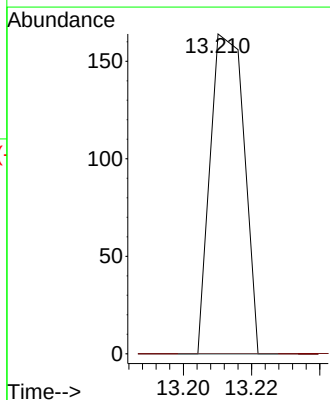
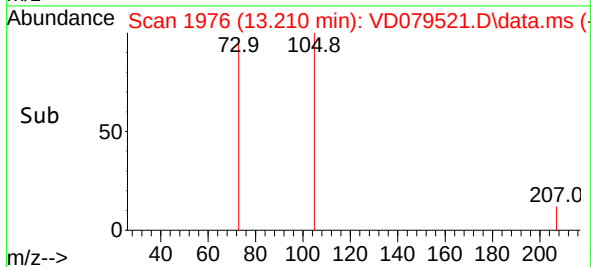
Tgt Ion:119 Resp: 69
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#

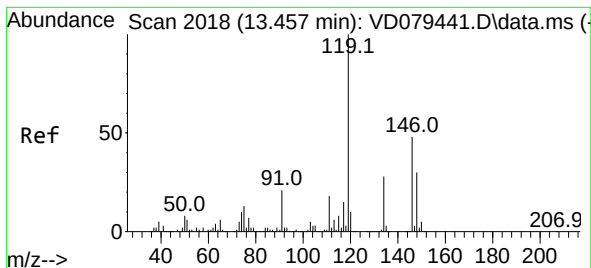


#84
1,2,4-Trimethylbenzene
Concen: 3.442 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31



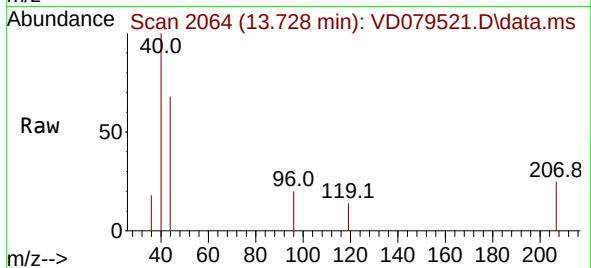
Tgt Ion:105 Resp: 113
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



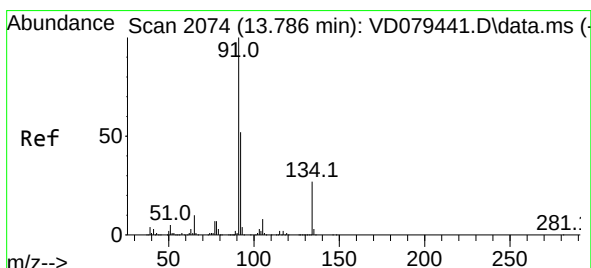
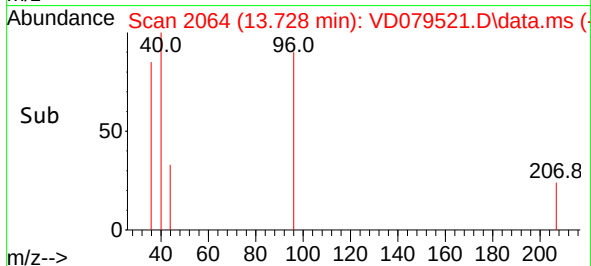
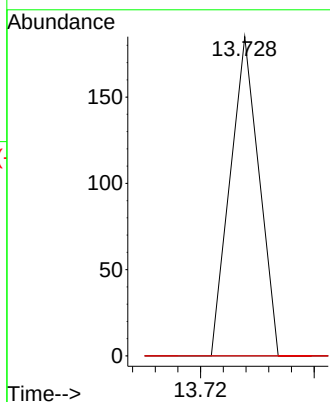


#86
p-Isopropyltoluene
Concen: 3.894 ug/l
RT: 13.728 min Scan# 2064
Delta R.T. 0.271 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 65
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.804 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.265 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 91 Resp: 187
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

