

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074636.D
 Acq On : 25 Oct 2022 16:49
 Operator : VA/SY
 Sample : N5267-10
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-1024

Quant Time: Oct 27 01:22:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

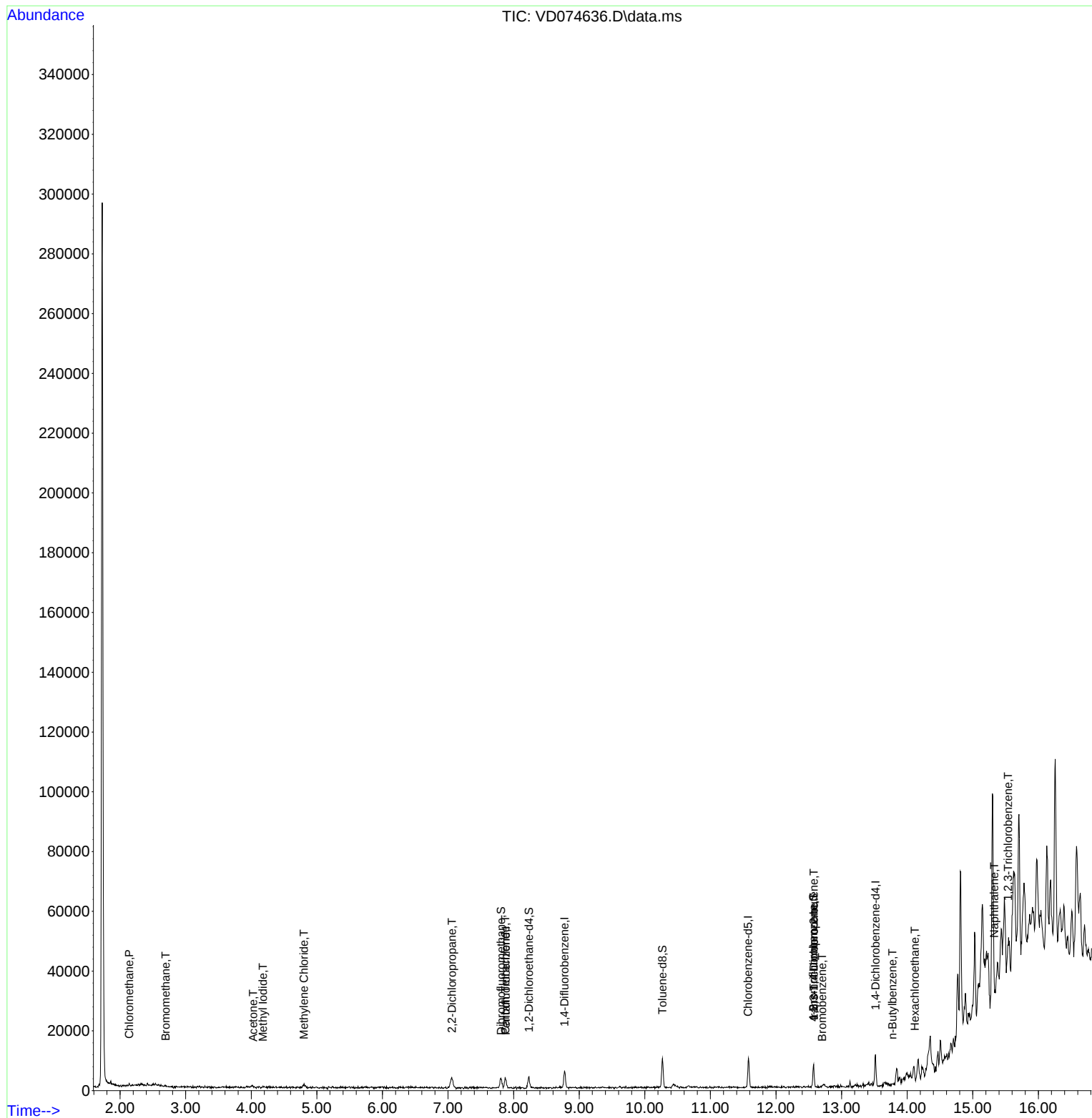
Internal Standards						
1) Pentafluorobenzene	7.881	168	3739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	6873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	6826	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	3320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3235	113.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	226.640%#
35) Dibromofluoromethane	7.810	113	2806	74.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	148.440%#
50) Toluene-d8	10.269	98	8009	58.220	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.440%
62) 4-Bromofluorobenzene	12.569	95	2884	73.796	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	147.600%#
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	504	12.828	ug/l #	37
5) Bromomethane	2.693	94	209	6.352	ug/l	96
10) Methyl Iodide	4.175	142	416	11.351	ug/l #	43
16) Acetone	4.028	43	1047	167.959	ug/l #	37
20) Methylene Chloride	4.805	84	1026	14.194	ug/l #	75
26) 2,2-Dichloropropane	7.058	77	134	2.087	ug/l #	50
38) Carbon Tetrachloride	7.875	117	162	2.679	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	1092	37.669	ug/l #	1
77) Bromobenzene	12.704	156	348	5.955	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	1092	96.263	ug/l #	17
89) n-Butylbenzene	13.775	91	423	1.970	ug/l #	33
90) Hexachloroethane	14.116	117	509	12.406	ug/l #	11
95) Naphthalene	15.328	128	501	3.983	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.539	180	432	7.542	ug/l #	36

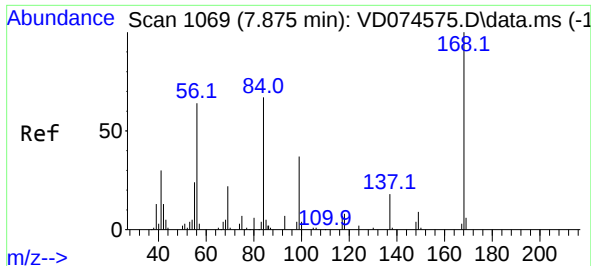
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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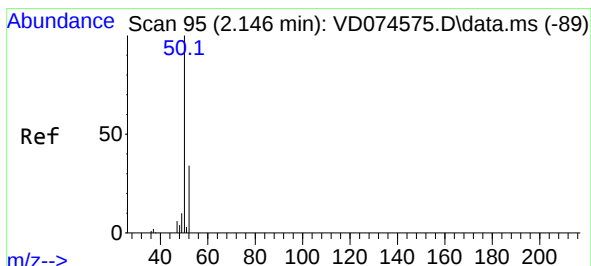
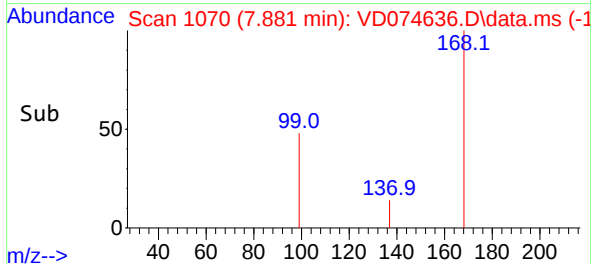
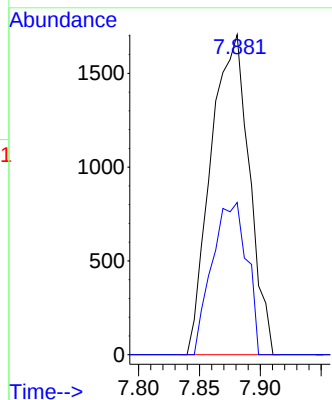
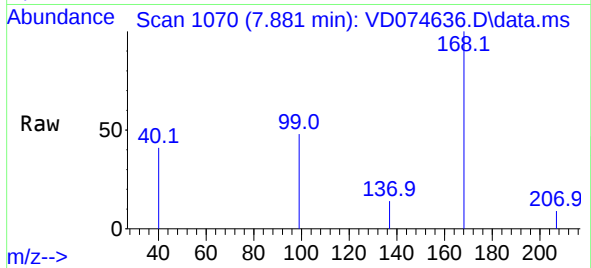




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

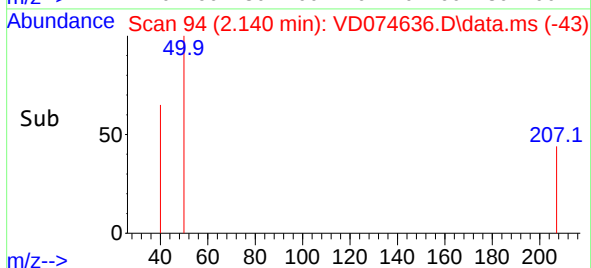
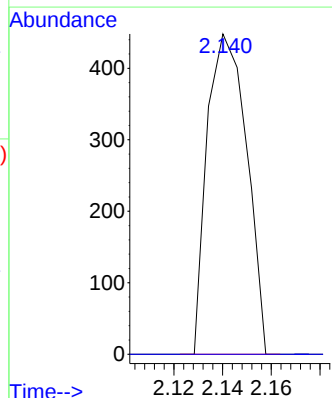
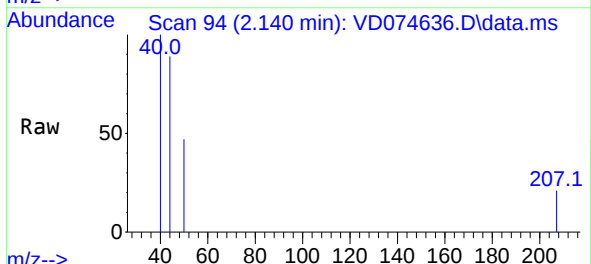
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

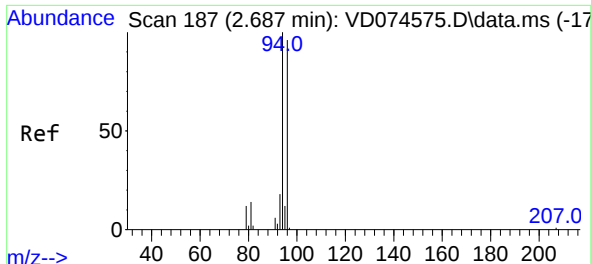
Tgt Ion:168 Resp: 3739
Ion Ratio Lower Upper
168 100
99 47.5 40.9 61.3



#3
Chloromethane
Concen: 12.828 ug/l
RT: 2.140 min Scan# 94
Delta R.T. 0.000 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

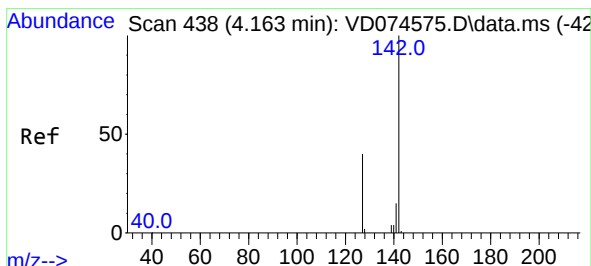
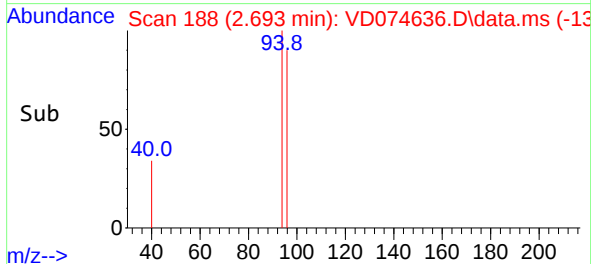
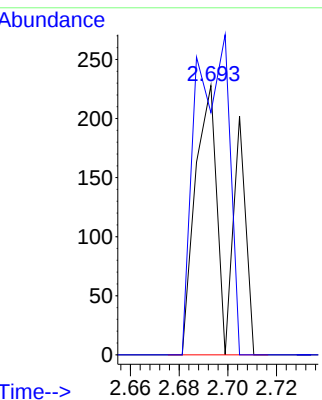
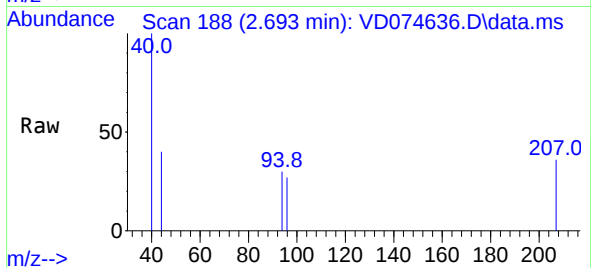




#5
Bromomethane
Concen: 6.352 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

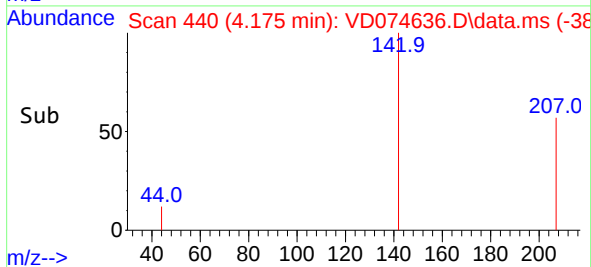
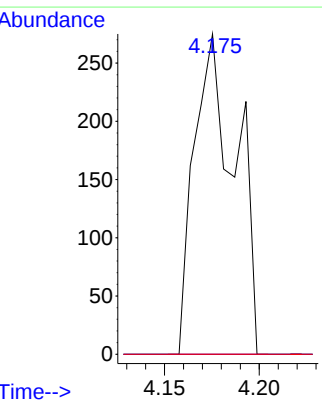
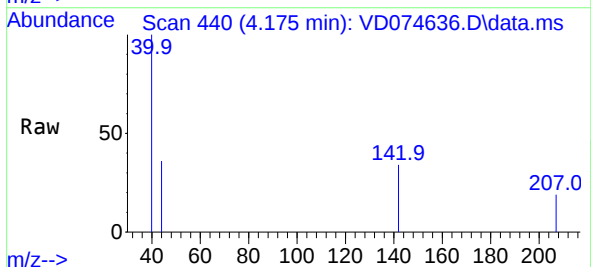
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

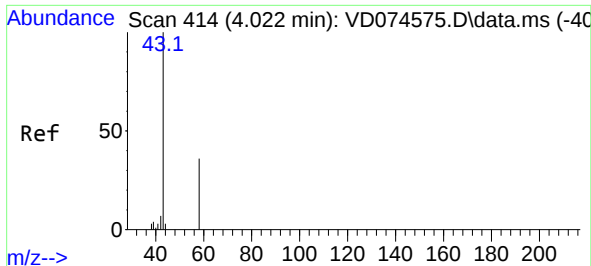
Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 89.9 74.6 112.0



#10
Methyl Iodide
Concen: 11.351 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion:142 Resp: 416
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

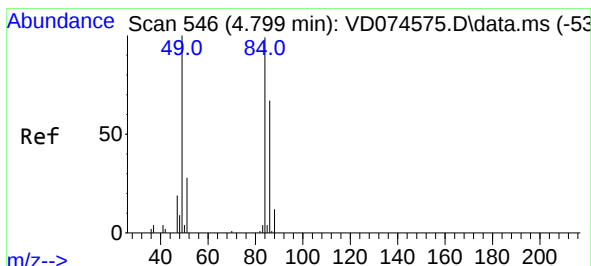
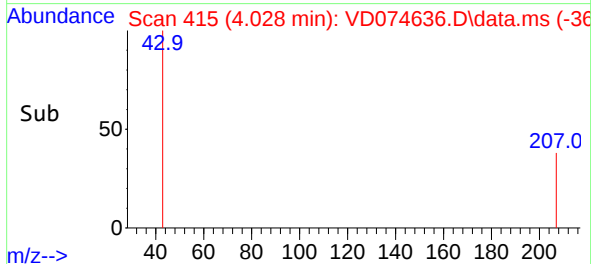
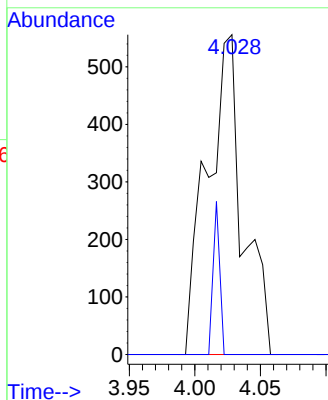
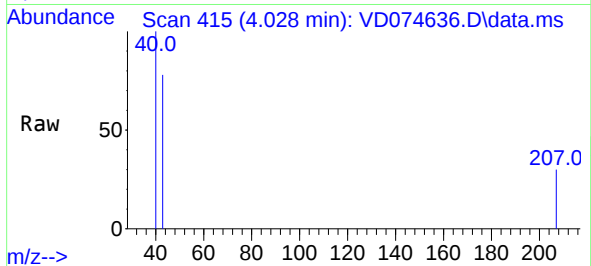




#16
Acetone
Concen: 167.959 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

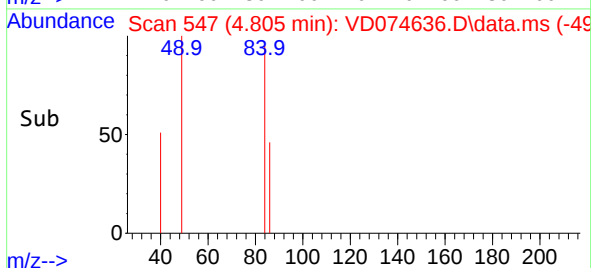
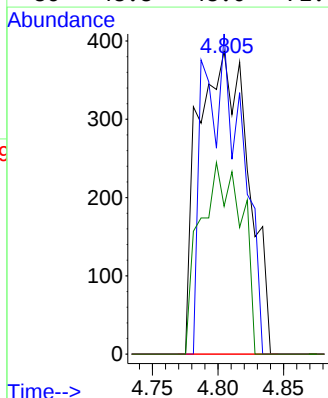
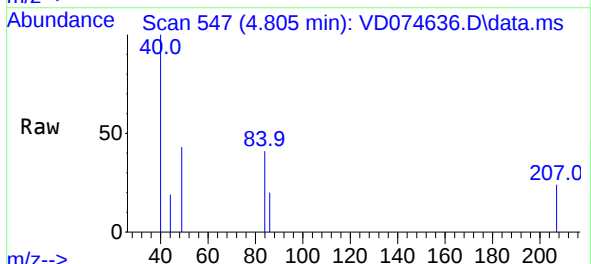
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

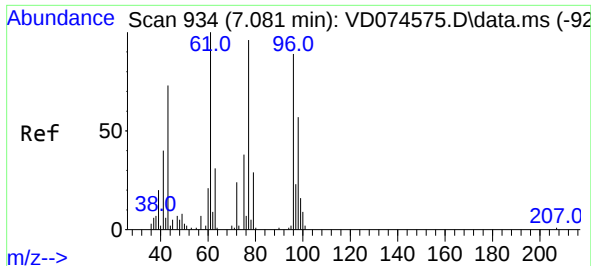
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 14.194 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 84 Resp: 1026
Ion Ratio Lower Upper
84 100
49 105.7 68.0 102.0#
51 0.0 23.2 34.8#
86 48.8 48.0 72.0

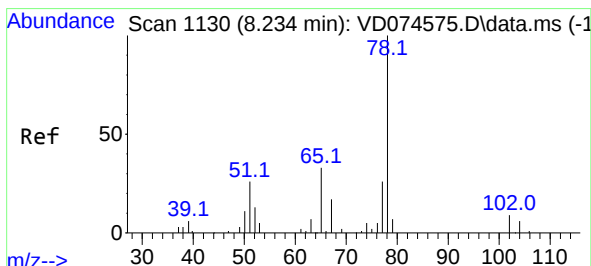
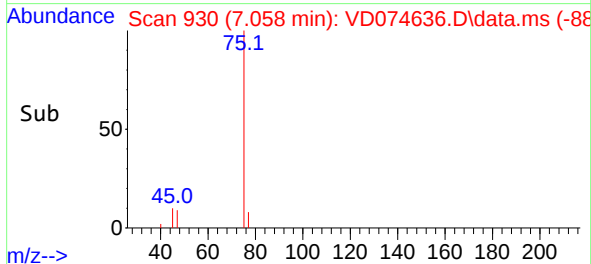
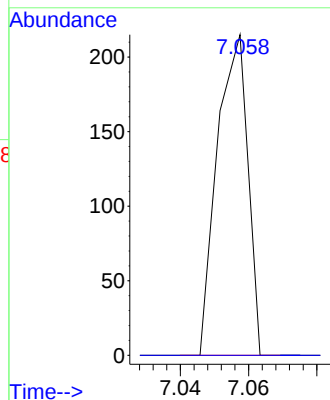
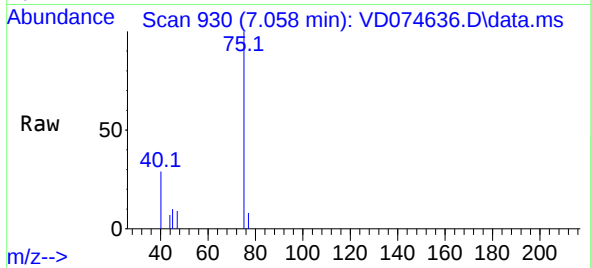




#26
2,2-Dichloropropane
Concen: 2.087 ug/l
RT: 7.058 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

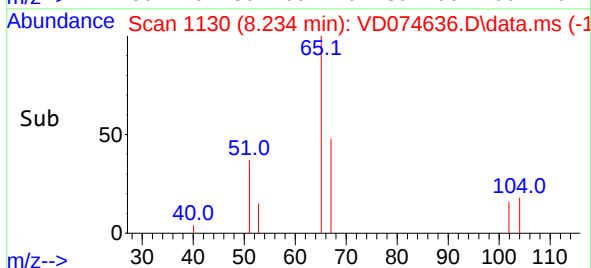
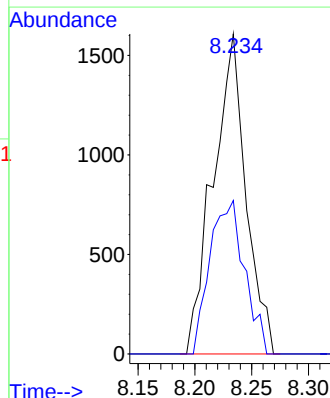
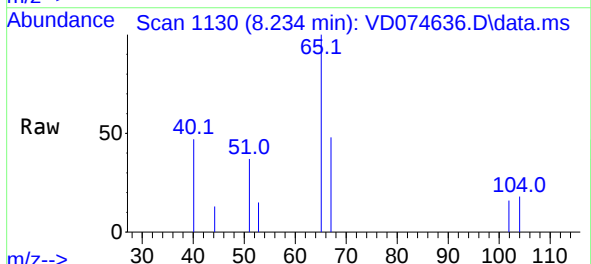
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

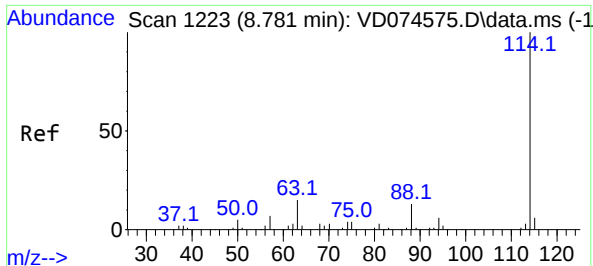
Tgt Ion: 77 Resp: 134
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#



#33
1,2-Dichloroethane-d4
Concen: 113.324 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 65 Resp: 3235
Ion Ratio Lower Upper
65 100
67 50.4 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074636.D

Acq: 25 Oct 2022 16:49

Instrument :

MSVOA_D

ClientSampleId :

TP4-1024

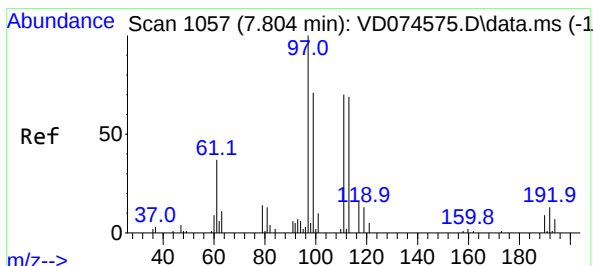
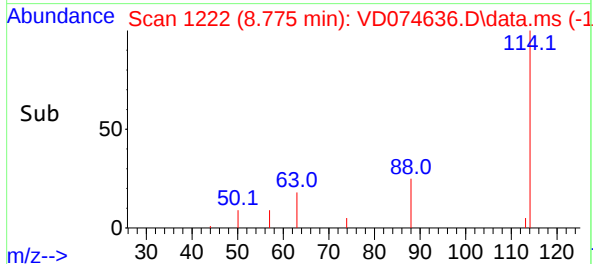
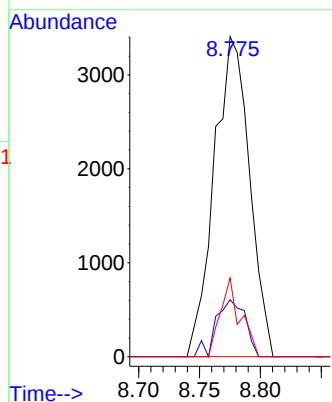
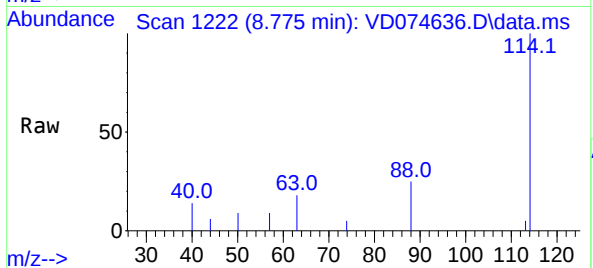
Tgt Ion:114 Resp: 6873

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.2

88 24.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 74.222 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074636.D

Acq: 25 Oct 2022 16:49

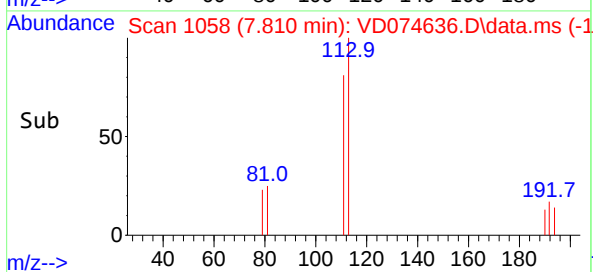
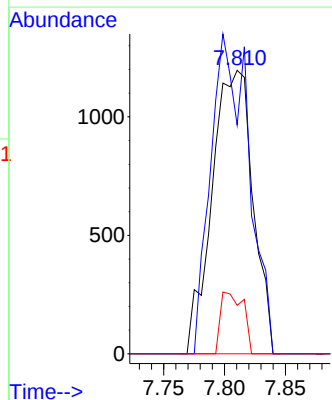
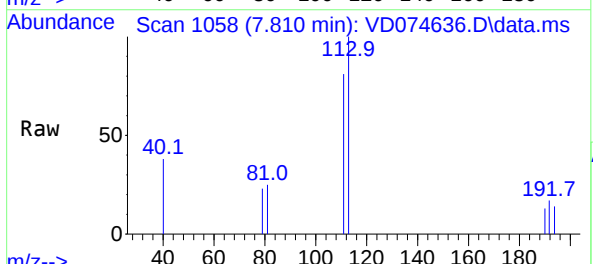
Tgt Ion:113 Resp: 2806

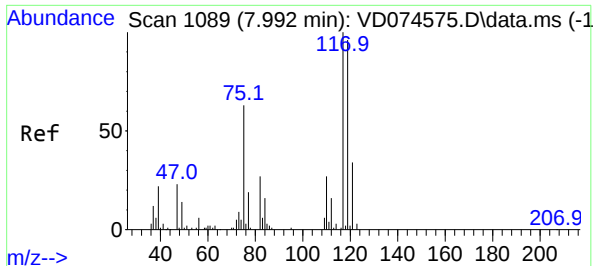
Ion Ratio Lower Upper

113 100

111 104.6 82.3 123.5

192 11.9 16.4 24.6#





#38

Carbon Tetrachloride

Concen: 2.679 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074636.D

Acq: 25 Oct 2022 16:49

Instrument :

MSVOA_D

ClientSampleId :

TP4-1024

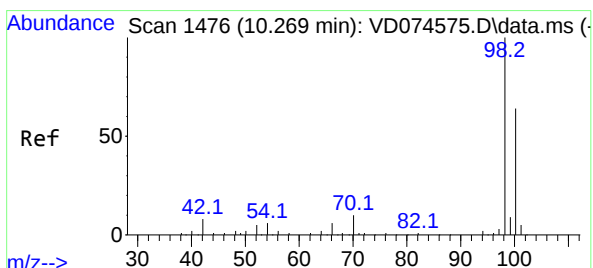
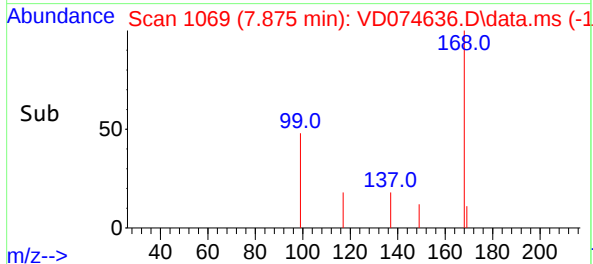
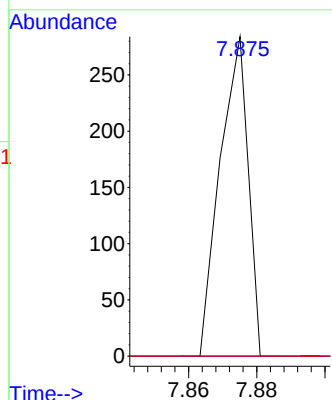
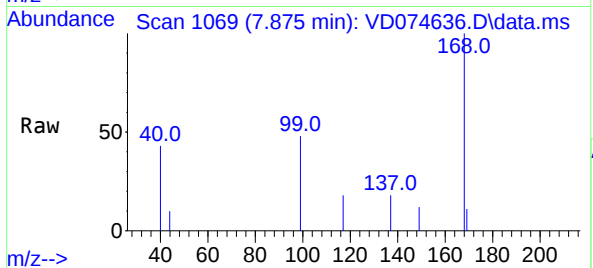
Tgt Ion:117 Resp: 162

Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 58.220 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074636.D

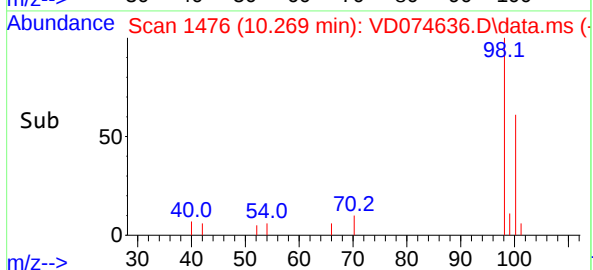
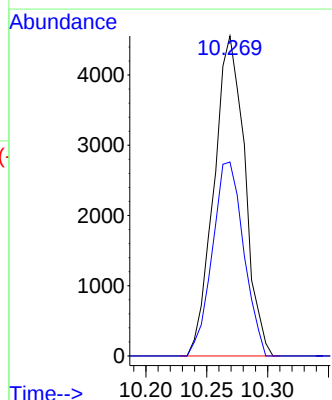
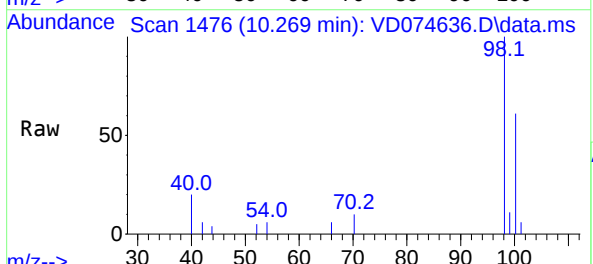
Acq: 25 Oct 2022 16:49

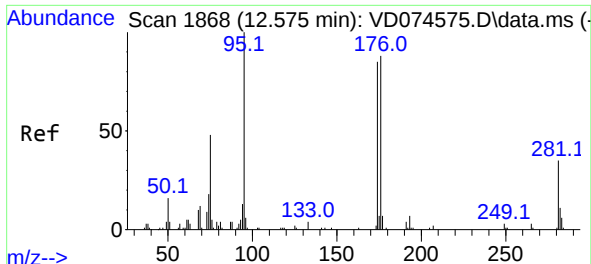
Tgt Ion: 98 Resp: 8009

Ion Ratio Lower Upper

98 100

100 61.7 51.4 77.0

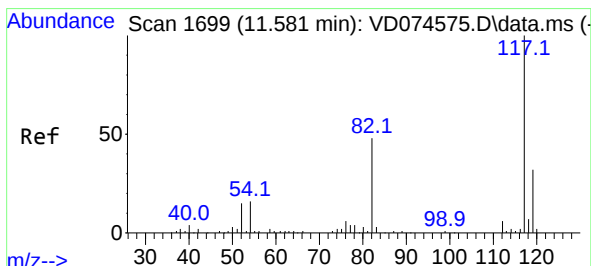
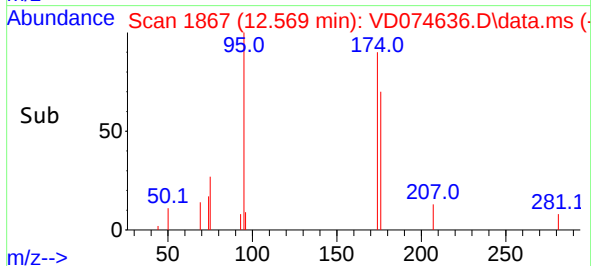
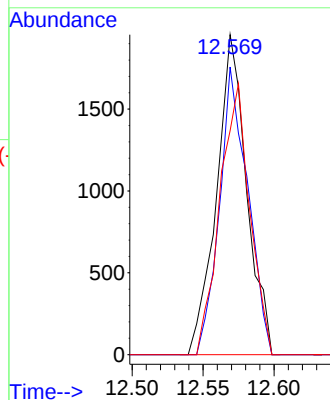
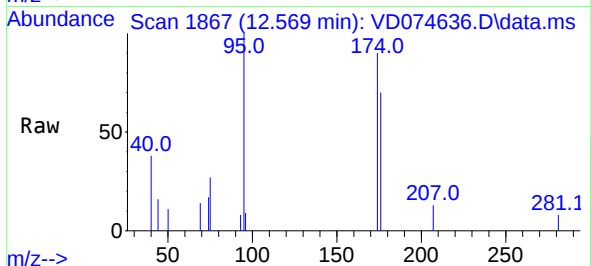




#62
4-Bromofluorobenzene
Concen: 73.796 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

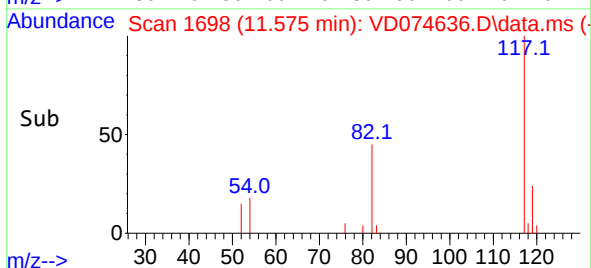
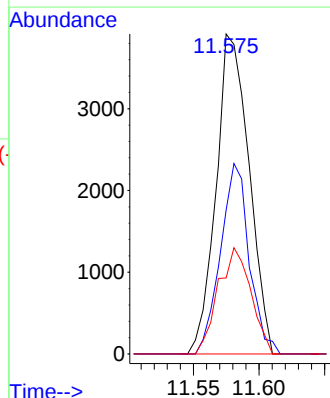
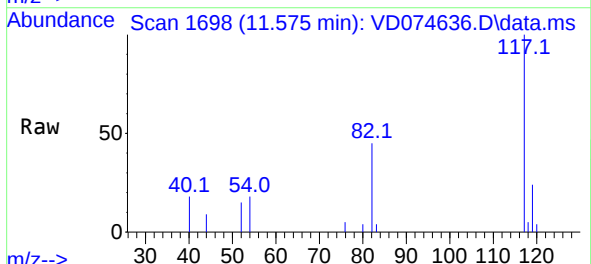
Instrument :
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TP4-1024

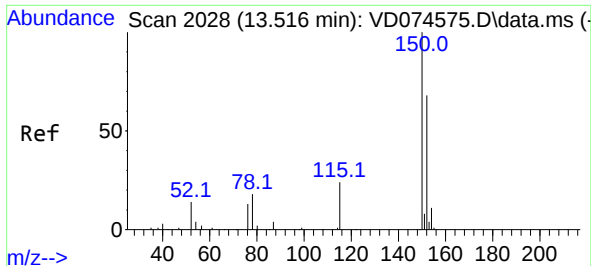
Tgt Ion:	95	Resp:	2884
Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	197.0
176	83.9	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

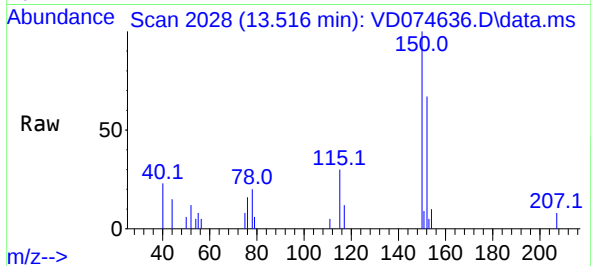
Tgt Ion:	117	Resp:	6826
Ion	Ratio	Lower	Upper
117	100		
82	45.0	41.6	62.4
119	23.8	25.2	37.8



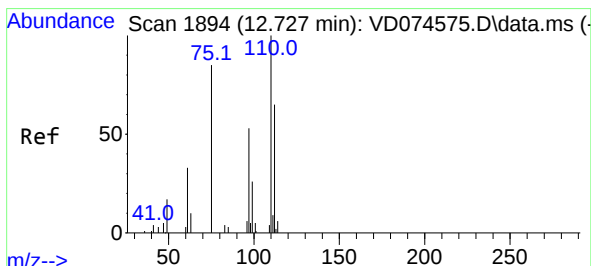
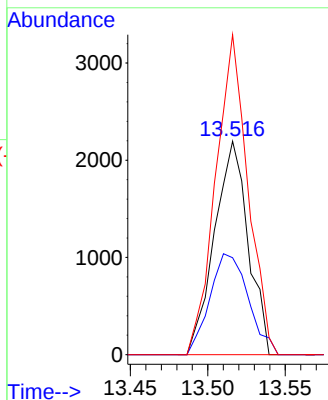
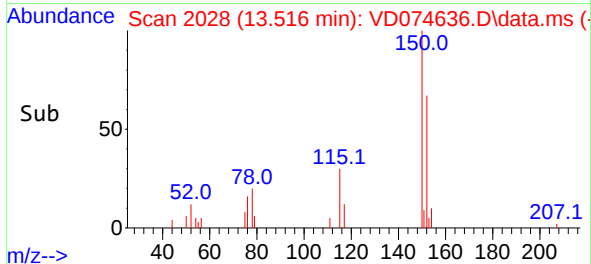


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

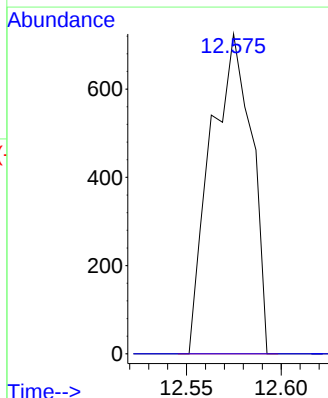
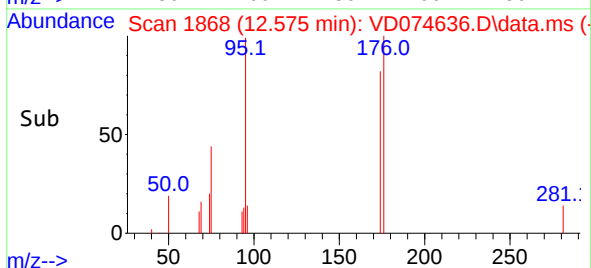
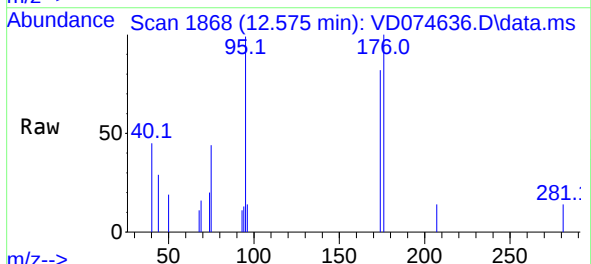


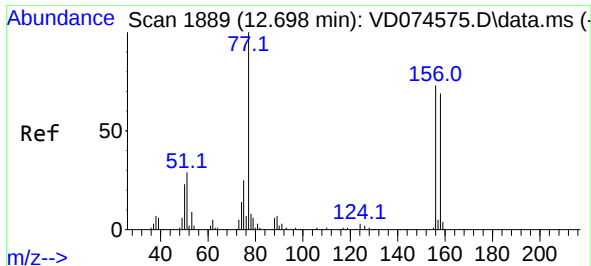
Tgt Ion:152 Resp: 3320
Ion Ratio Lower Upper
152 100
115 54.1 26.8 80.4
150 143.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 37.669 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 75 Resp: 1092
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#

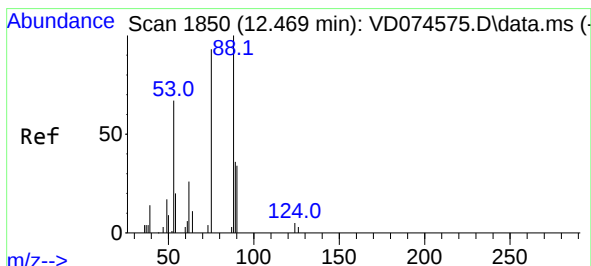
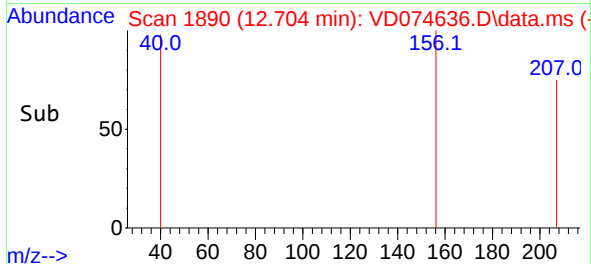
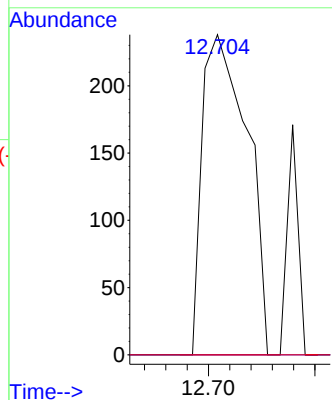
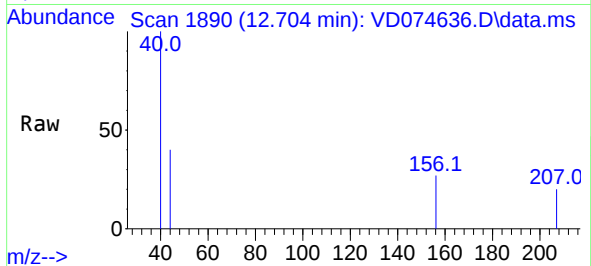




#77
Bromobenzene
Concen: 5.955 ug/l
RT: 12.704 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

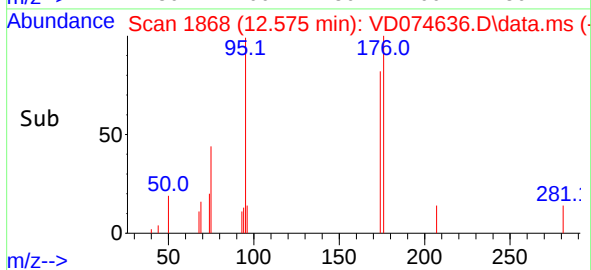
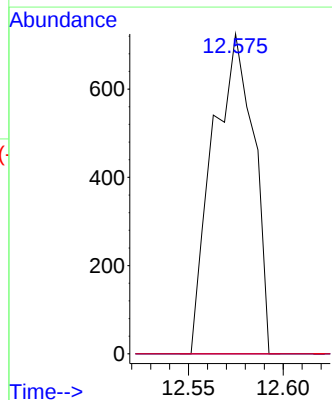
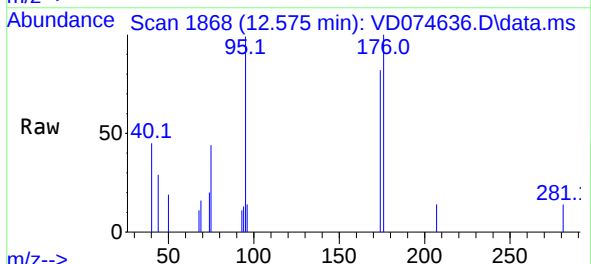
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

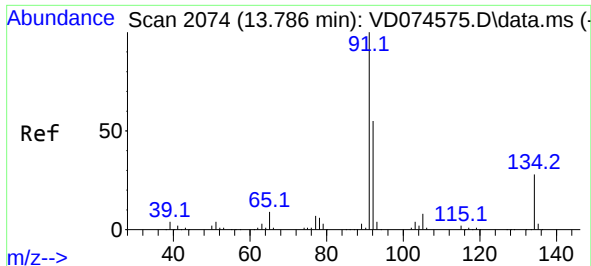
Tgt Ion:156 Resp: 348
Ion Ratio Lower Upper
156 100
77 0.0 77.7 233.1#
158 0.0 49.4 148.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.263 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 75 Resp: 1092
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

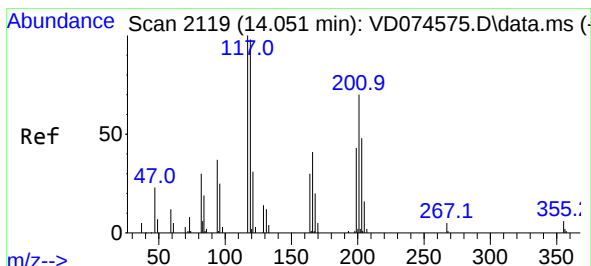
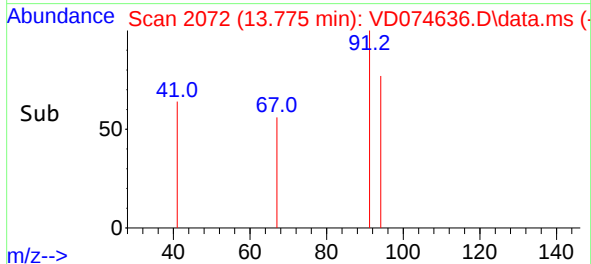
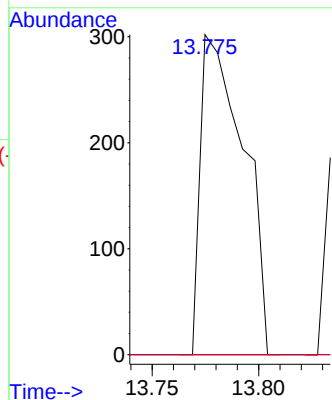
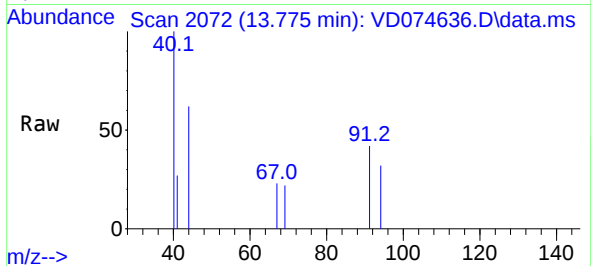




#89
n-Butylbenzene
Concen: 1.970 ug/l
RT: 13.775 min Scan# 2074
Delta R.T. -0.006 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

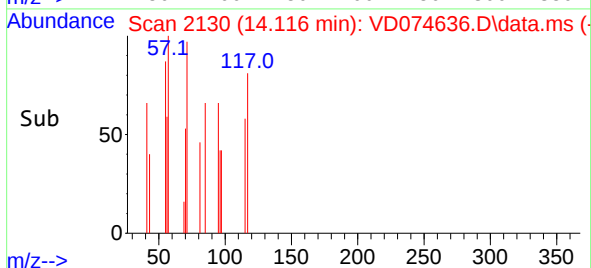
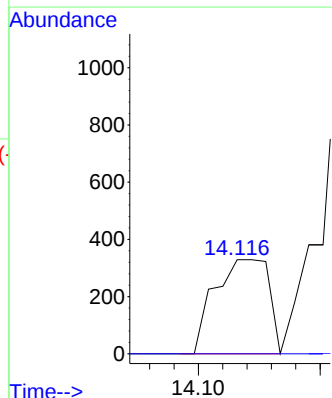
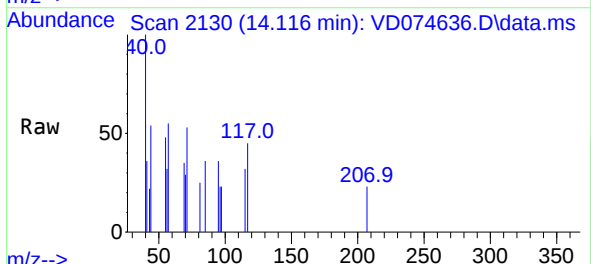
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

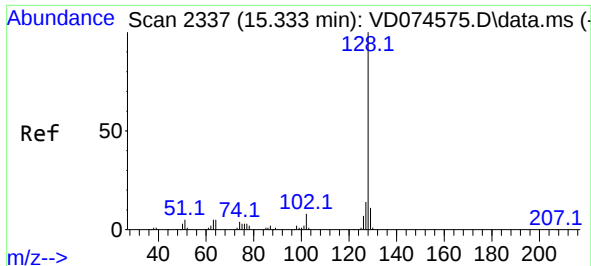
Tgt Ion: 91 Resp: 423
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 13.4 40.2#



#90
Hexachloroethane
Concen: 12.406 ug/l
RT: 14.116 min Scan# 2130
Delta R.T. 0.071 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion: 117 Resp: 509
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#

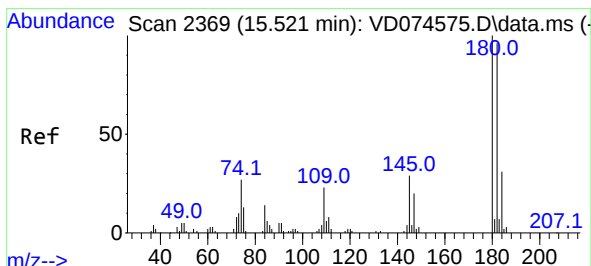
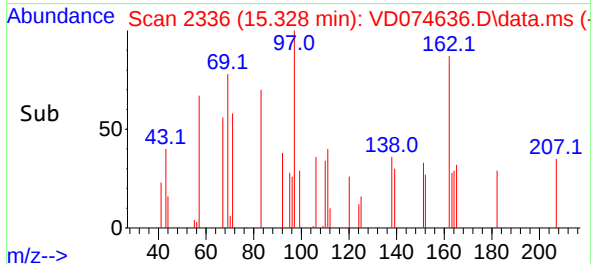
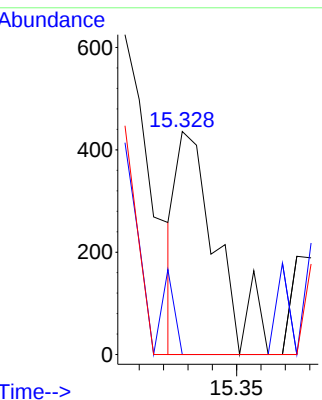
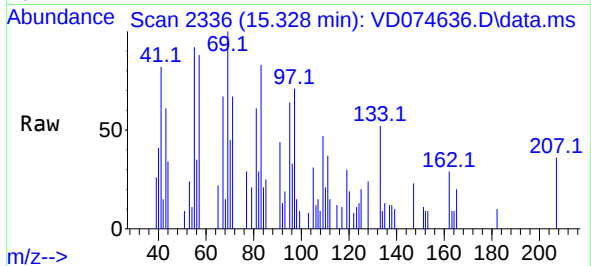




#95
Naphthalene
Concen: 3.983 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Instrument :
MSVOA_D
ClientSampleId :
TP4-1024

Tgt Ion:128 Resp: 501
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 7.542 ug/l
RT: 15.539 min Scan# 2372
Delta R.T. 0.023 min
Lab File: VD074636.D
Acq: 25 Oct 2022 16:49

Tgt Ion:180 Resp: 432
Ion Ratio Lower Upper
180 100
182 28.9 46.7 140.1#
145 0.0 14.9 44.7#

