

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074678.D
 Acq On : 28 Oct 2022 18:15
 Operator : VA/SY
 Sample : N5267-13RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-1024

Quant Time: Oct 29 02:16:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

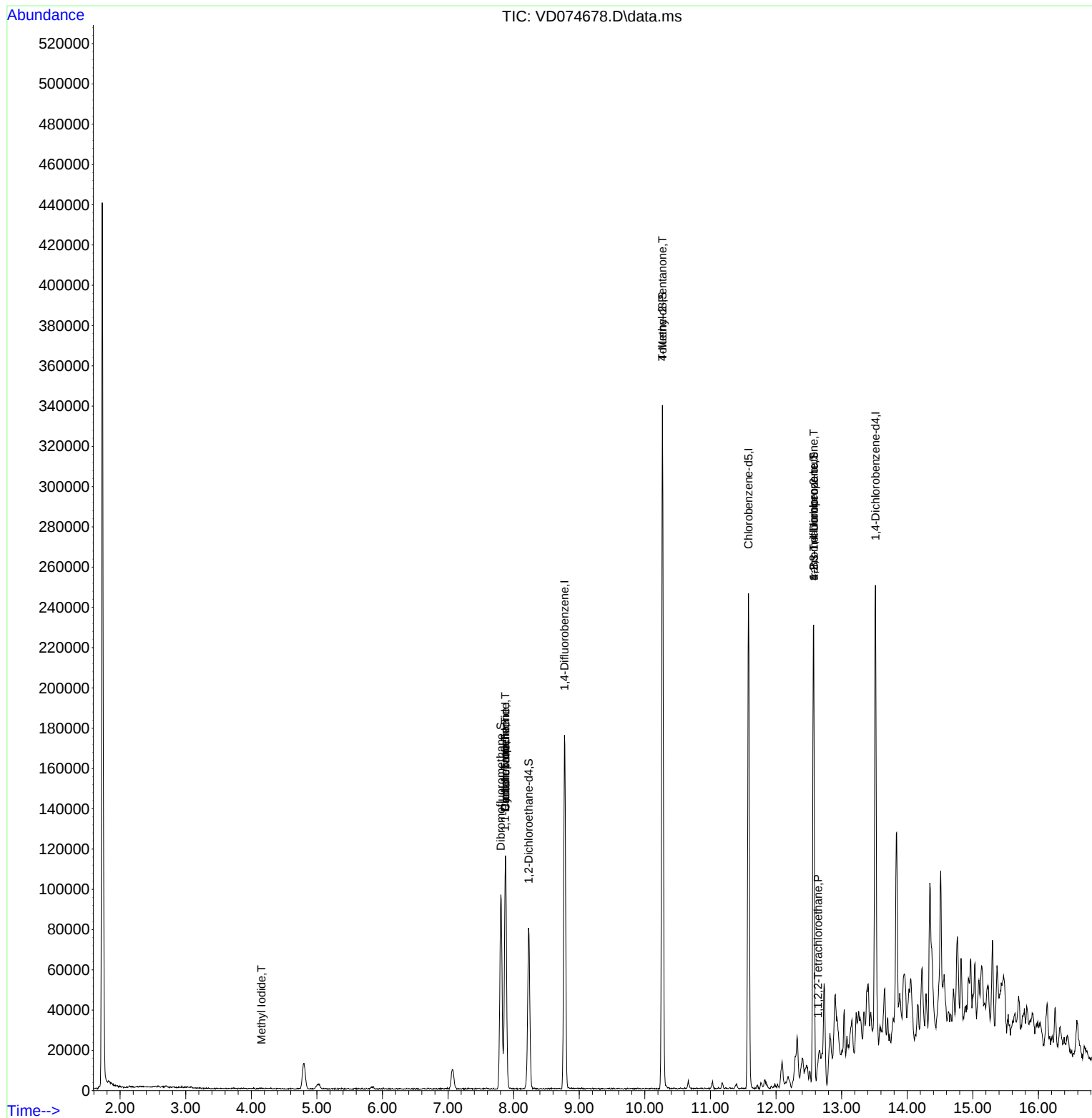
Internal Standards						
1) Pentafluorobenzene	7.875	168	96491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	173916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	155125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	68825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61812	75.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.800%
35) Dibromofluoromethane	7.804	113	72321	68.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	136.200%
50) Toluene-d8	10.269	98	244335	59.827	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	119.660%
62) 4-Bromofluorobenzene	12.575	95	71855	64.063	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.120%
Target Compounds						
3) Chloromethane	2.146	50	459	Below Cal		96
5) Bromomethane	2.699	94	514	Below Cal		91
10) Methyl Iodide	4.157	142	179	5.579 ug/l #		43
11) Tert butyl alcohol	5.016	59	2759	Below Cal	#	84
16) Acetone	4.022	43	191	Below Cal	#	37
20) Methylene Chloride	4.804	84	11687	Below Cal	#	91
25) 2-Butanone	7.069	43	289	Below Cal	#	42
31) Cyclohexane	7.875	56	1543	1.034 ug/l #		14
36) 1,1-Dichloropropene	7.869	75	6473	4.278 ug/l #		46
38) Carbon Tetrachloride	7.875	117	9154	6.510 ug/l #		19
51) 4-Methyl-2-Pentanone	10.269	43	679	1.509 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.639	83	1466	1.796 ug/l #		87
76) 1,2,3-Trichloropropane	12.575	75	34390	63.888 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.575	75	34390	169.084 ug/l #		17

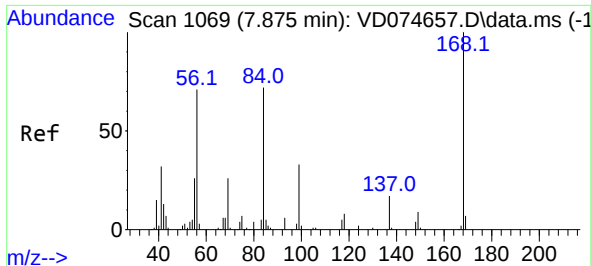
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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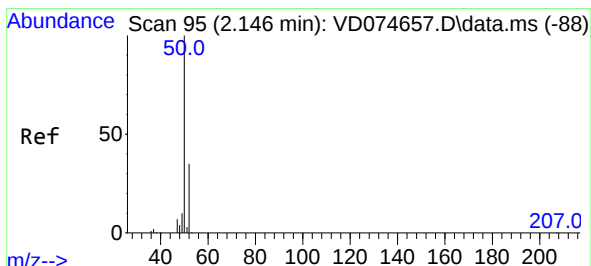
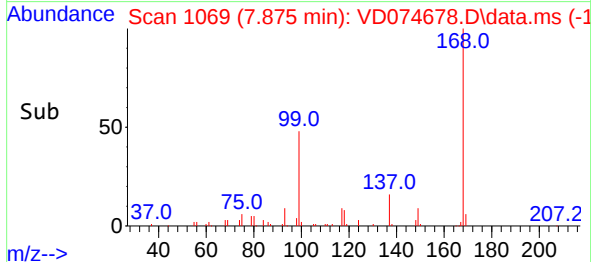
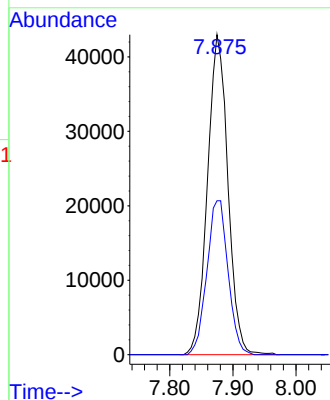
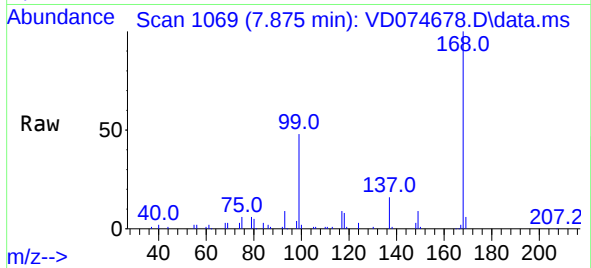




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

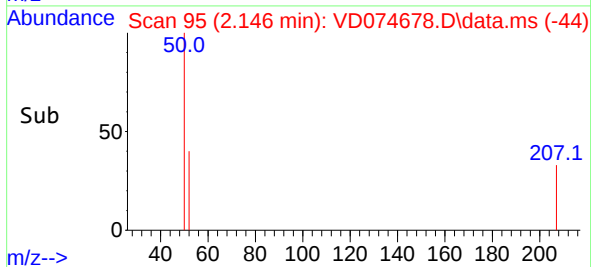
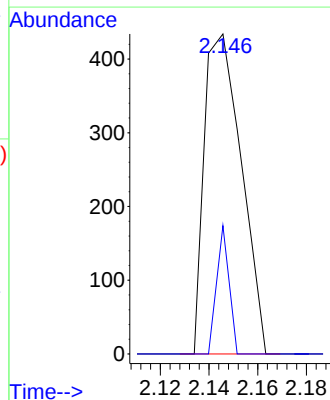
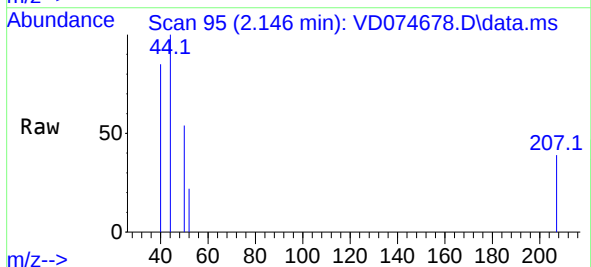
Instrument :
MSVOA_D
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TP5-1024

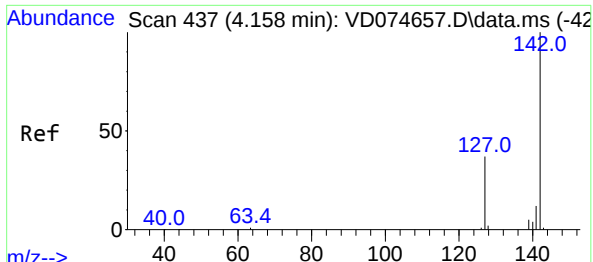
Tgt Ion:168 Resp: 96491
Ion Ratio Lower Upper
168 100
99 48.1 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 40.1 30.0 45.0

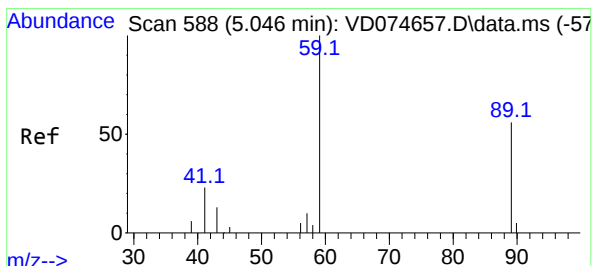
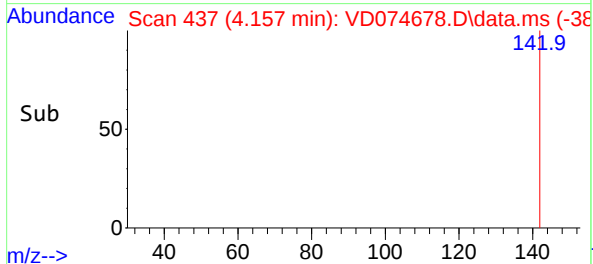
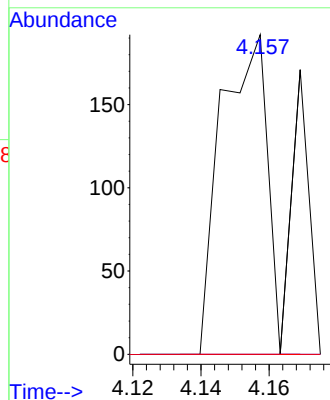
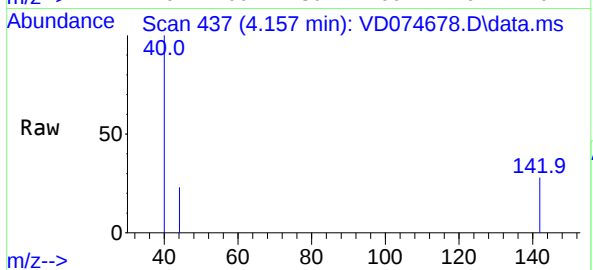




#10
Methyl Iodide
Concen: 5.579 ug/l
RT: 4.157 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

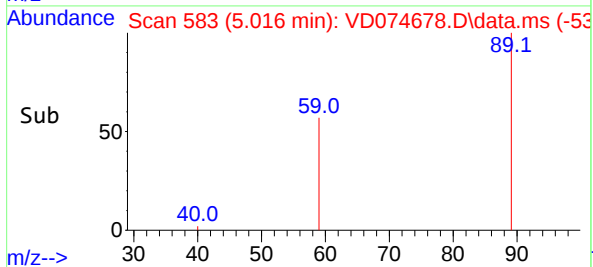
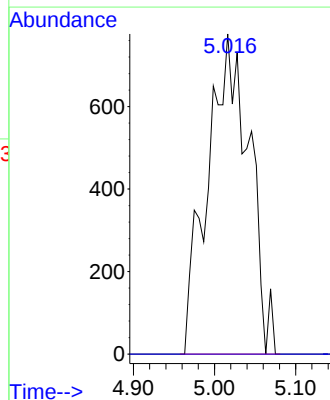
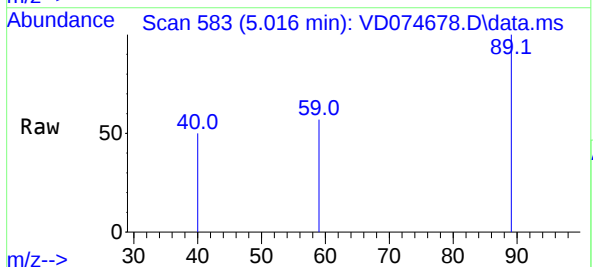
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

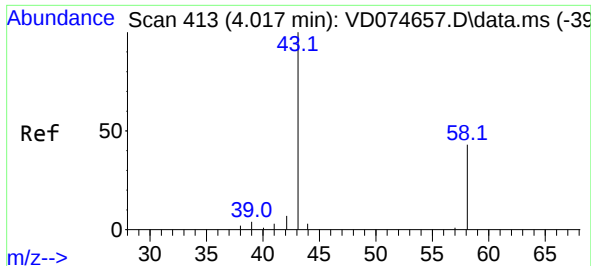
Tgt Ion:142 Resp: 179
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 583
Delta R.T. -0.030 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 59 Resp: 2759
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

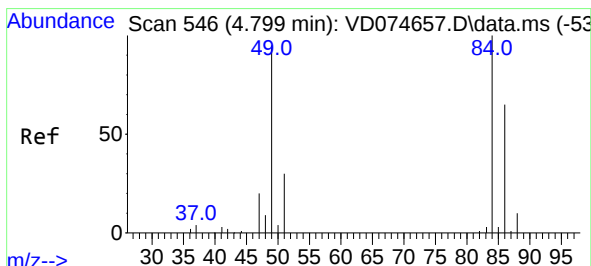
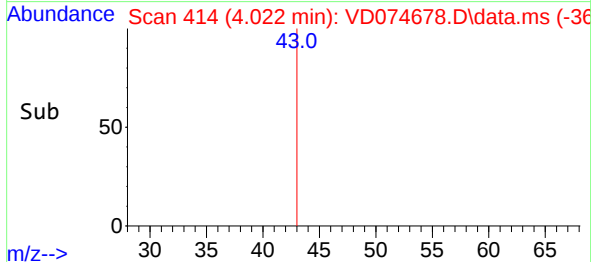
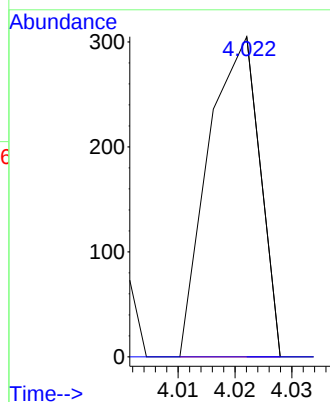
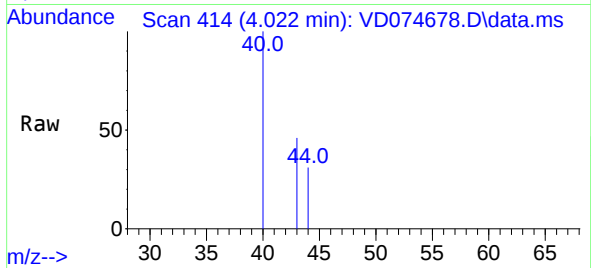




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

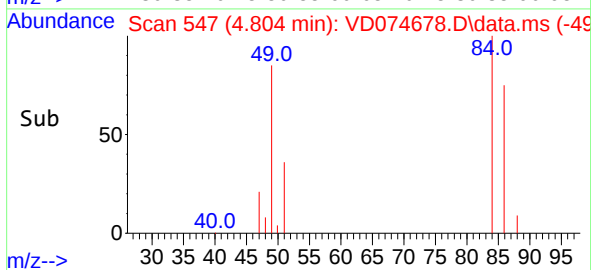
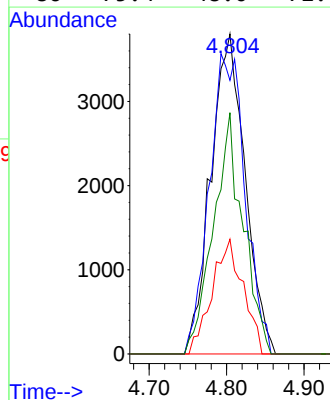
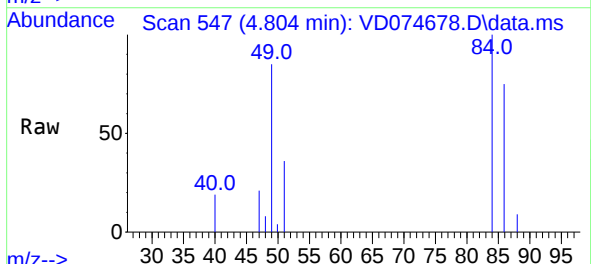
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

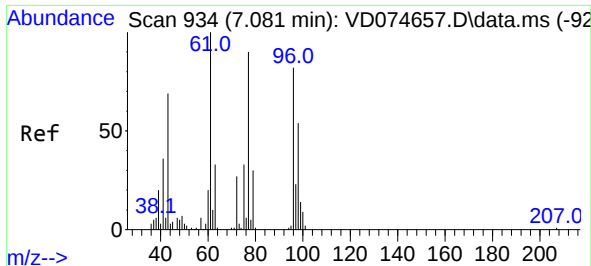
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 84 Resp: 11687
Ion Ratio Lower Upper
84 100
49 85.5 68.0 102.0
51 35.9 23.2 34.8#
86 75.4 48.0 72.0#

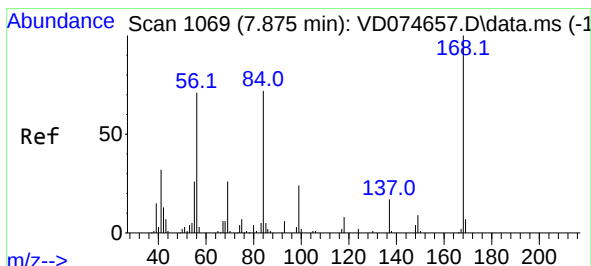
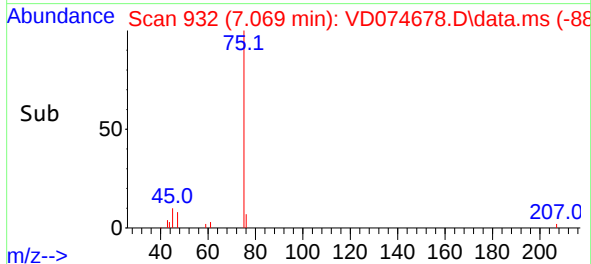
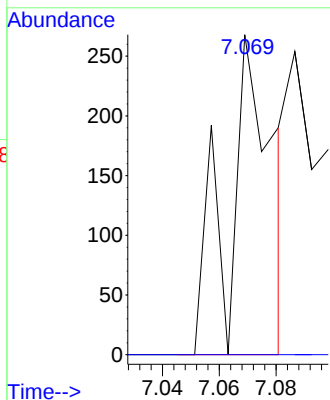
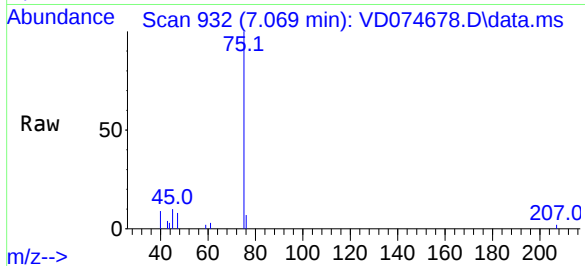




#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

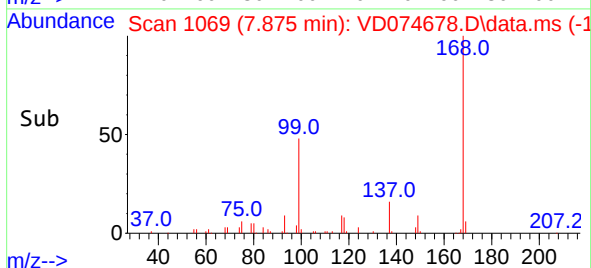
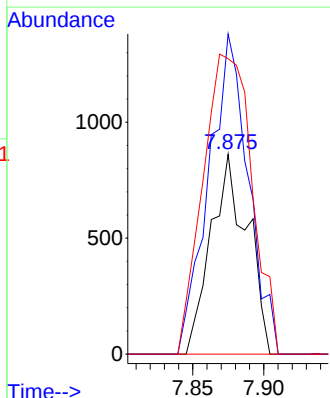
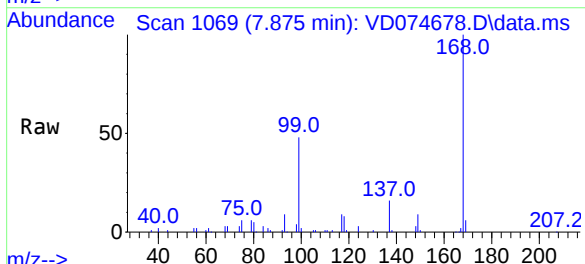
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

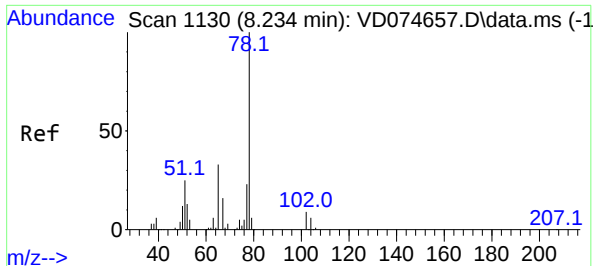
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.034 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 56 Resp: 1543
Ion Ratio Lower Upper
56 100
69 160.2 29.2 43.8#
84 147.9 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 75.899 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074678.D

Acq: 28 Oct 2022 18:15

Instrument :

MSVOA_D

ClientSampleId :

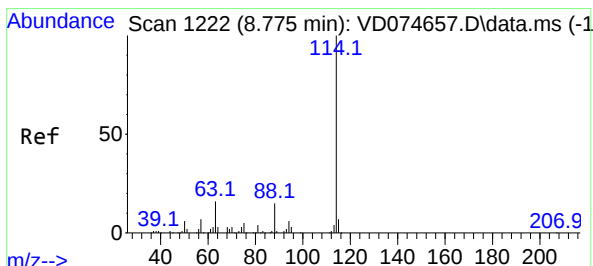
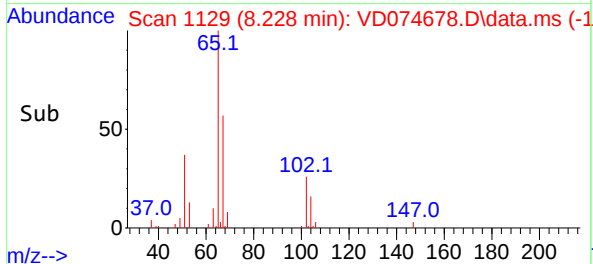
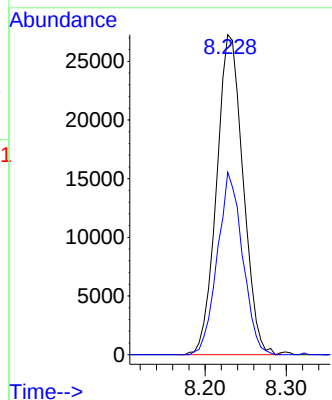
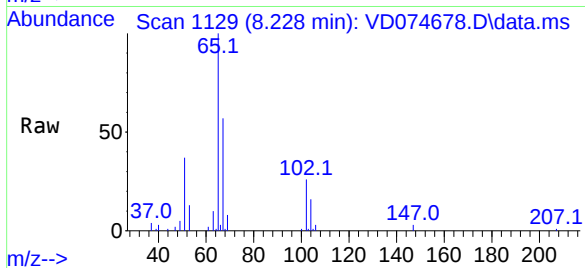
TP5-1024

Tgt Ion: 65 Resp: 61812

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074678.D

Acq: 28 Oct 2022 18:15

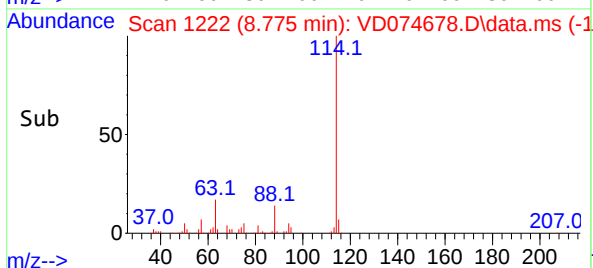
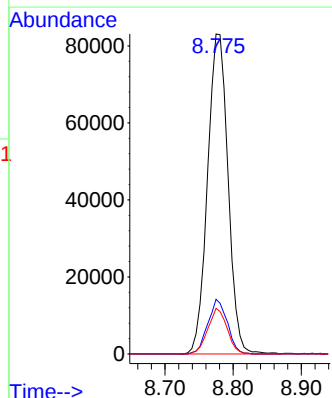
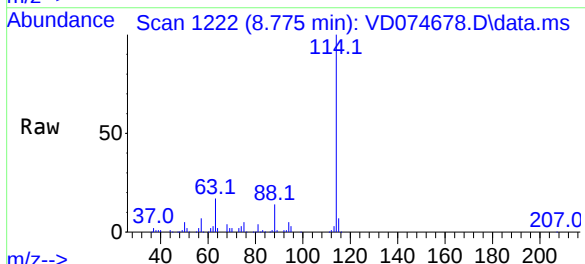
Tgt Ion: 114 Resp: 173916

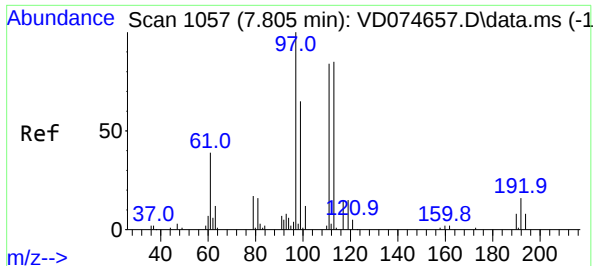
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 14.3 0.0 28.2

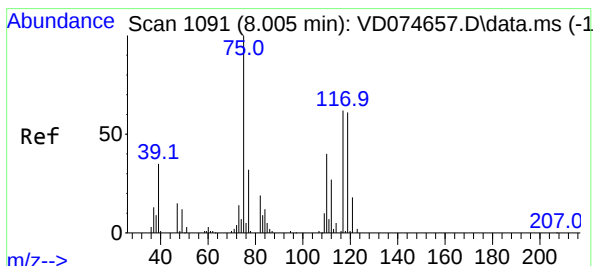
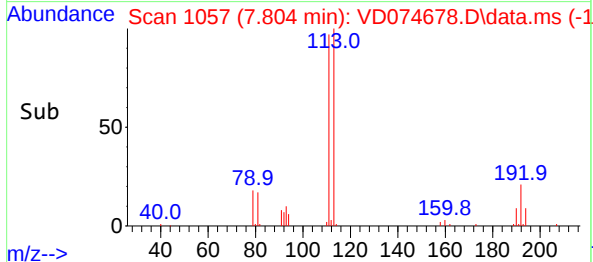
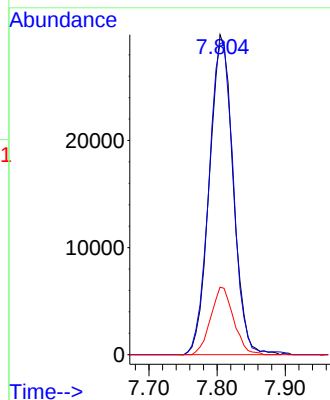
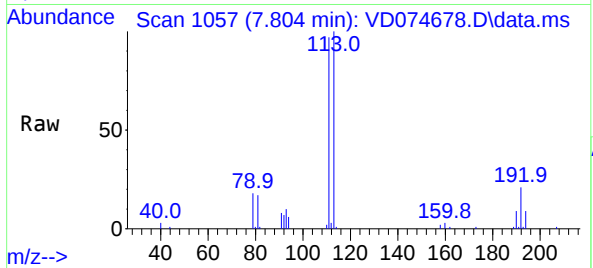




#35
Dibromofluoromethane
Concen: 68.101 ug/l
RT: 7.804 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

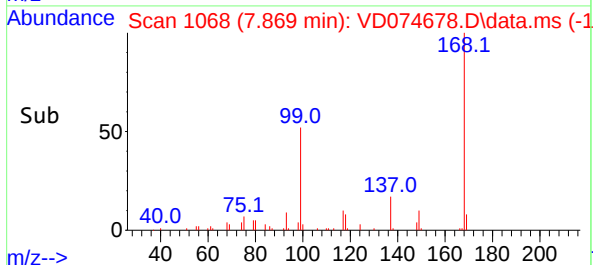
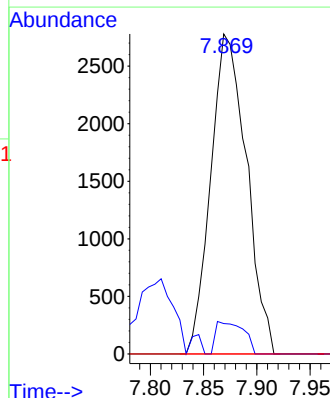
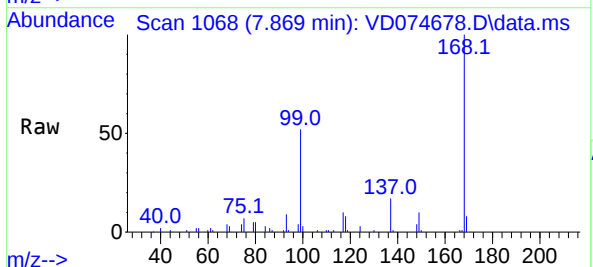
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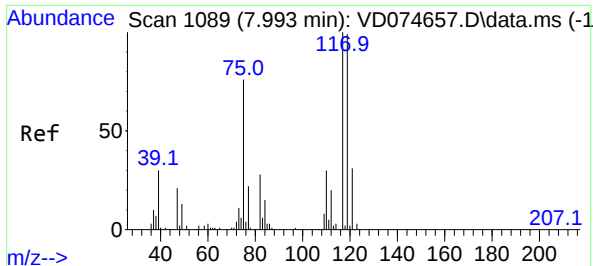
Tgt Ion:113 Resp: 72321
Ion Ratio Lower Upper
113 100
111 101.0 82.3 123.5
192 20.3 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.278 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 75 Resp: 6473
Ion Ratio Lower Upper
75 100
110 7.9 19.7 59.0#
77 0.0 25.4 38.2#

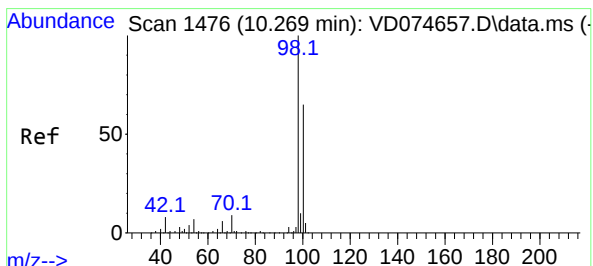
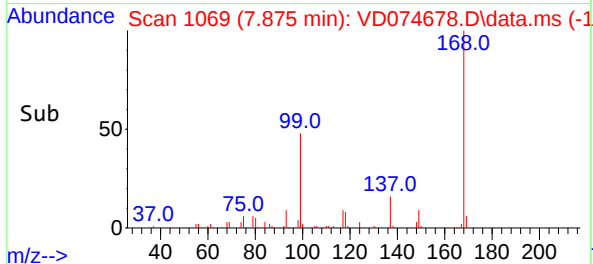
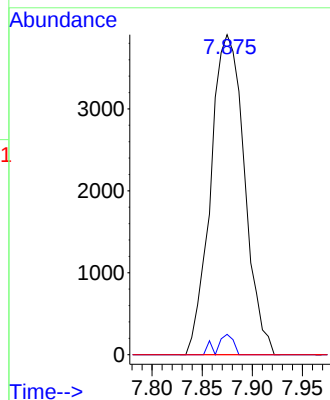
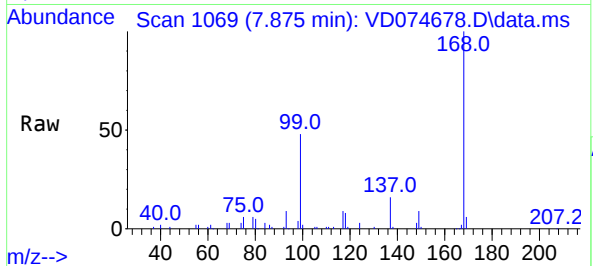




#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

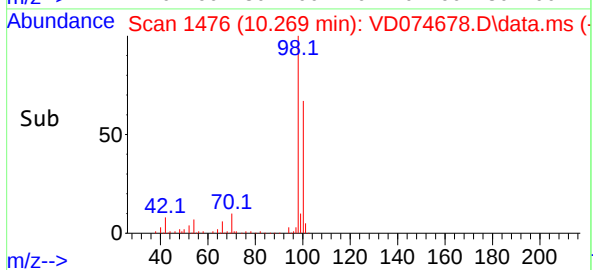
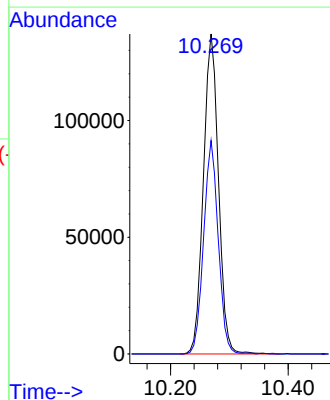
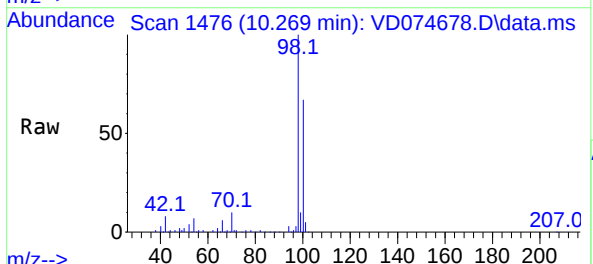
Instrument :
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TP5-1024

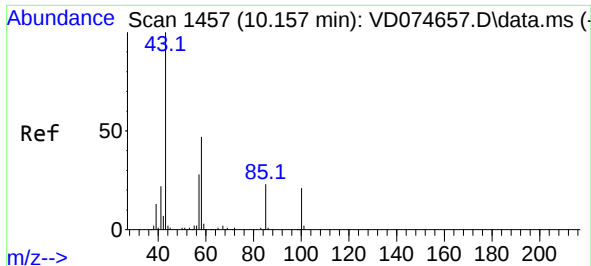
Tgt Ion:117 Resp: 9154
Ion Ratio Lower Upper
117 100
119 6.4 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 59.827 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion: 98 Resp: 244335
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.509 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074678.D

Acq: 28 Oct 2022 18:15

Instrument :

MSVOA_D

ClientSampleId :

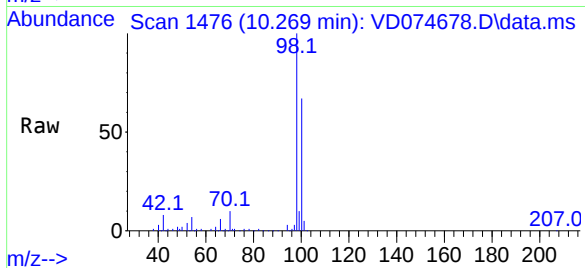
TP5-1024

Tgt Ion: 43 Resp: 679

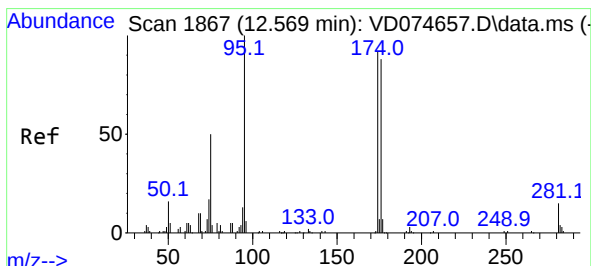
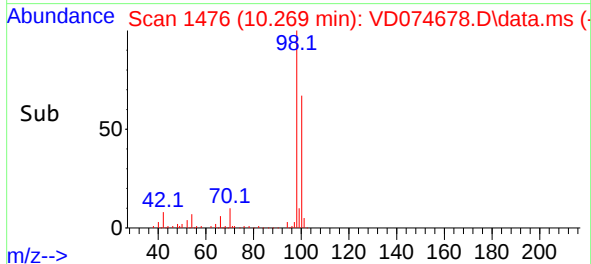
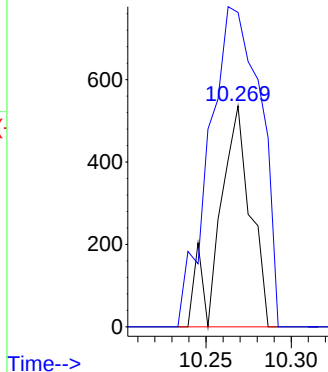
Ion Ratio Lower Upper

43 100

58 239.8 37.8 56.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 64.063 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD074678.D

Acq: 28 Oct 2022 18:15

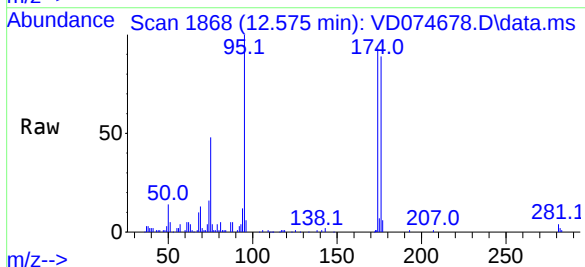
Tgt Ion: 95 Resp: 71855

Ion Ratio Lower Upper

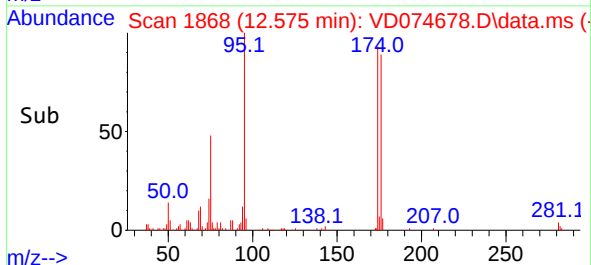
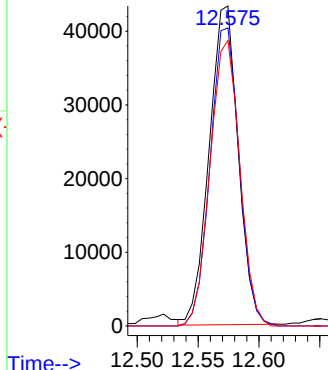
95 100

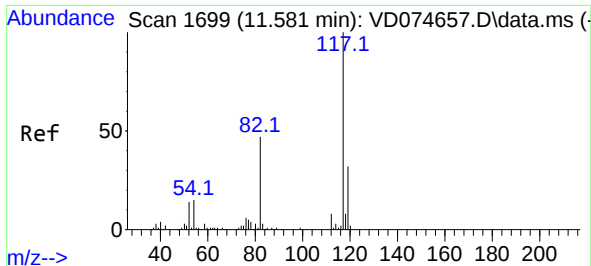
174 93.5 0.0 197.0

176 91.5 0.0 182.6



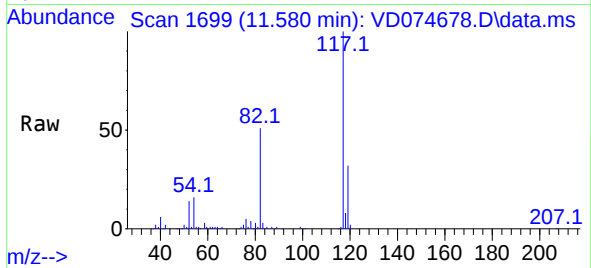
Abundance



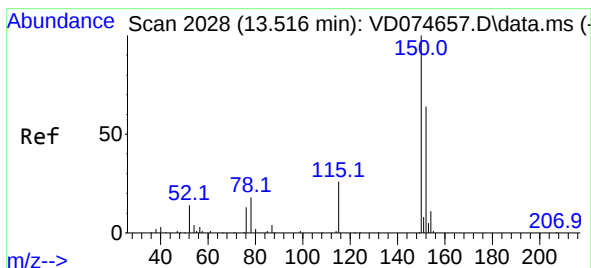
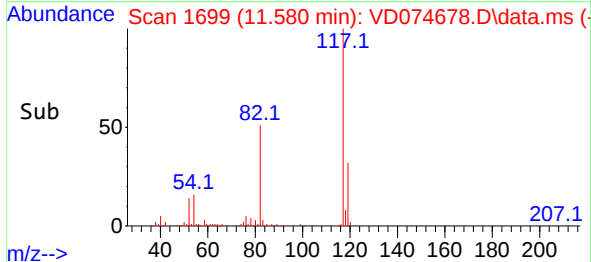
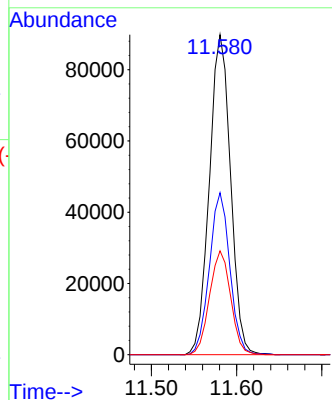


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

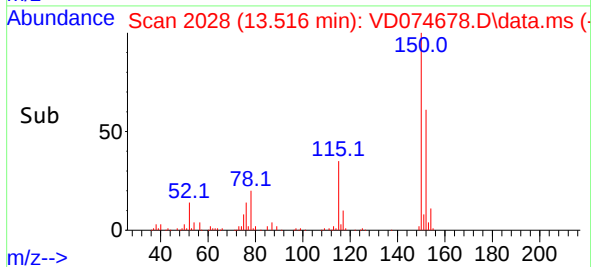
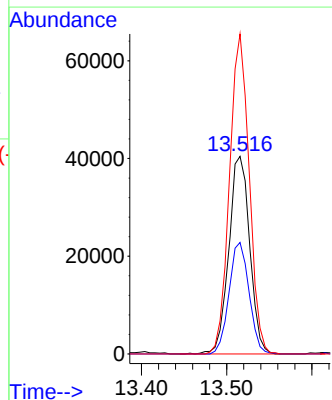
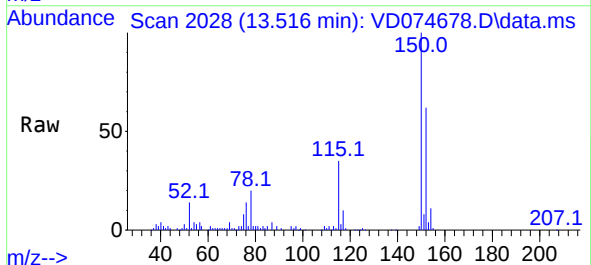


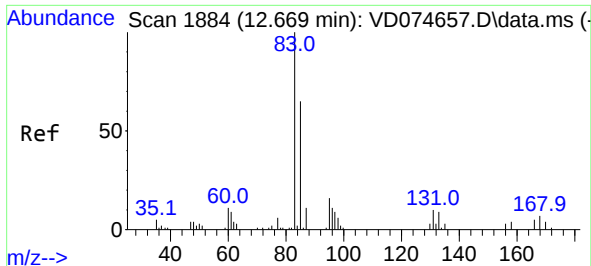
Tgt Ion:117 Resp: 155125
Ion Ratio Lower Upper
117 100
82 50.6 41.6 62.4
119 32.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

Tgt Ion:152 Resp: 68825
Ion Ratio Lower Upper
152 100
115 54.1 26.8 80.4
150 152.5 0.0 348.2

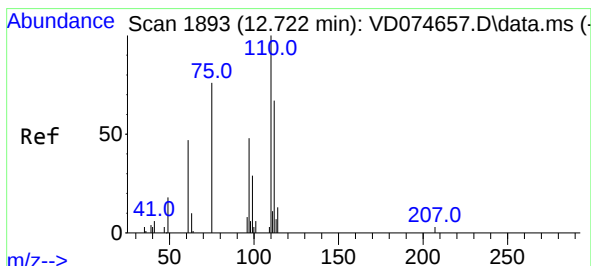
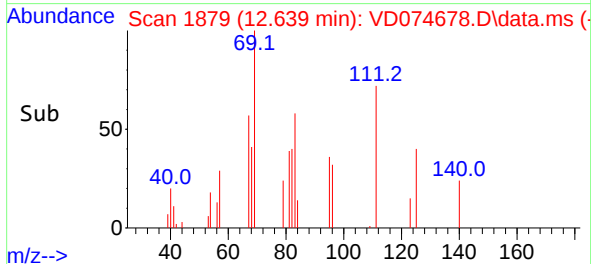
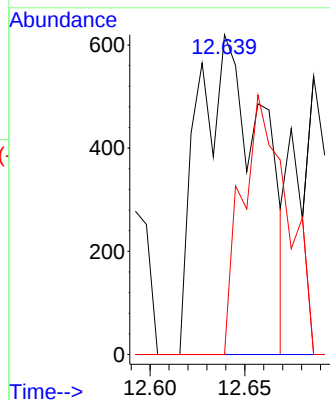
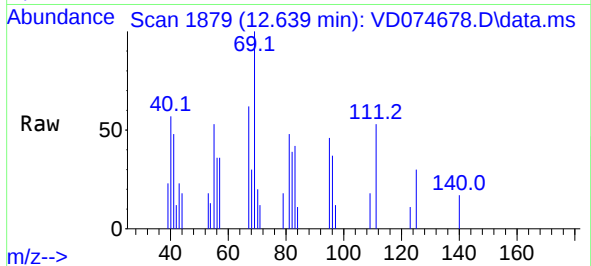




#75
1,1,2,2-Tetrachloroethane
Concen: 1.796 ug/l
RT: 12.639 min Scan# 1867
Delta R.T. -0.030 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

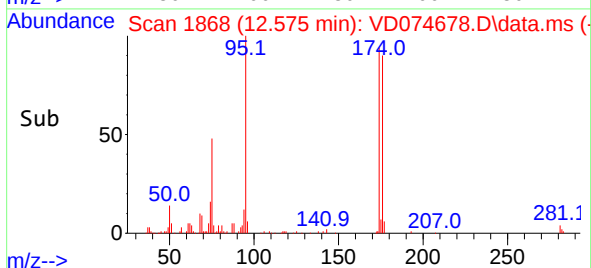
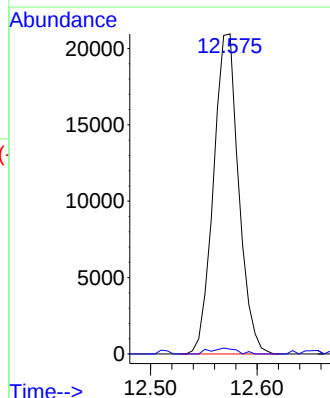
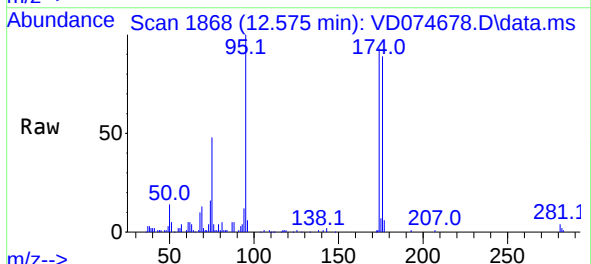
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

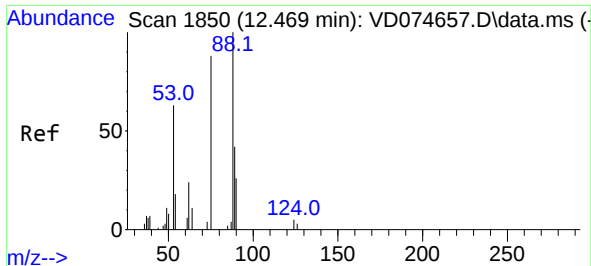
Tgt Ion: 83 Resp: 1466
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 57.0 33.1 99.2



#76
1,2,3-Trichloropropane
Concen: 63.888 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074678.D
Acq: 28 Oct 2022 18:15

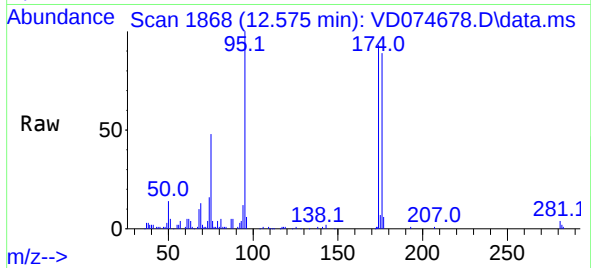
Tgt Ion: 75 Resp: 34390
Ion Ratio Lower Upper
75 100
77 1.9 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 169.084 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074678.D
 Acq: 28 Oct 2022 18:15

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-1024



Tgt Ion:	75	Resp:	34390
Ion	Ratio	Lower	Upper
75	100		
53	0.9	63.8	95.6#
89	0.0	38.2	57.4#

