

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074634.D
 Acq On : 25 Oct 2022 15:53
 Operator : VA/SY
 Sample : N5267-13
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-1024

Quant Time: Oct 27 01:22:04 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)

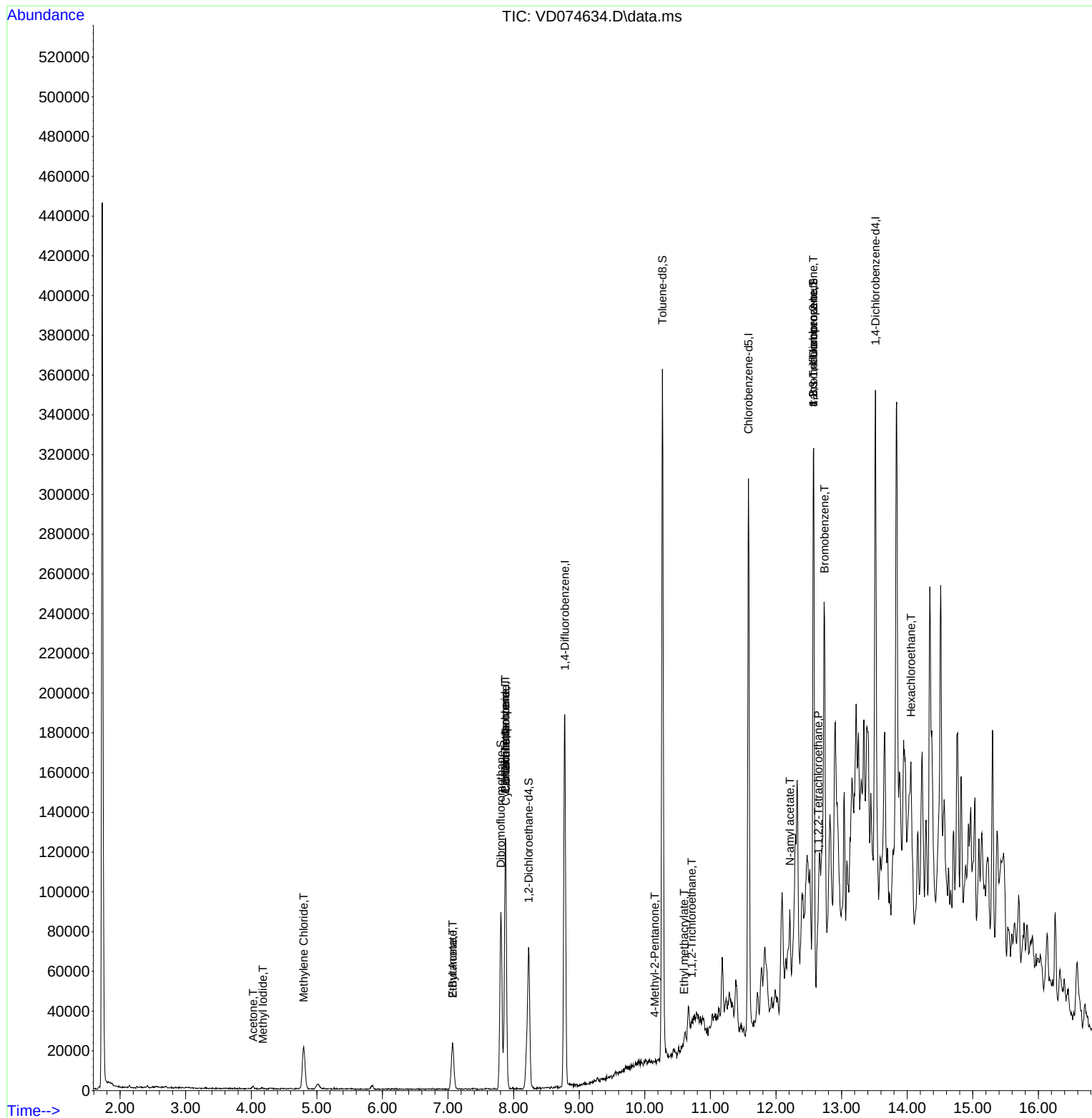
Internal Standards						
1) Pentafluorobenzene	7.875	168	102111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	182135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50190	64.379	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.760%	
35) Dibromofluoromethane	7.805	113	64222	63.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.900%	
50) Toluene-d8	10.269	98	243225	66.720	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.440%	
62) 4-Bromofluorobenzene	12.569	95	80640	77.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 155.960%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	706	4.400	ug/l #	43
11) Tert butyl alcohol	5.028	59	2566	Below Cal	#	84
16) Acetone	4.028	43	2008	11.795	ug/l	92
20) Methylene Chloride	4.799	84	18461	5.037	ug/l	95
25) 2-Butanone	7.069	43	1252	5.500	ug/l #	42
31) Cyclohexane	7.881	56	1910	1.220	ug/l #	17
36) 1,1-Dichloropropene	7.875	75	6581	4.022	ug/l #	45
37) Ethyl Acetate	7.069	43	1252	2.425	ug/l #	1
38) Carbon Tetrachloride	7.875	117	9693	6.050	ug/l #	20
51) 4-Methyl-2-Pentanone	10.152	43	526	1.102	ug/l #	29
55) 1,1,2-Trichloroethane	10.716	97	1496	1.771	ug/l #	25
56) Ethyl methacrylate	10.599	69	1281	1.387	ug/l #	33
74) N-amyl acetate	12.210	43	8723	9.821	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.646	83	4343	4.566	ug/l #	25
76) 1,2,3-Trichloropropane	12.569	75	37536	55.793	ug/l #	1
77) Bromobenzene	12.740	156	50672	37.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	37536	142.580	ug/l #	18
90) Hexachloroethane	14.057	117	1426	1.498	ug/l #	11

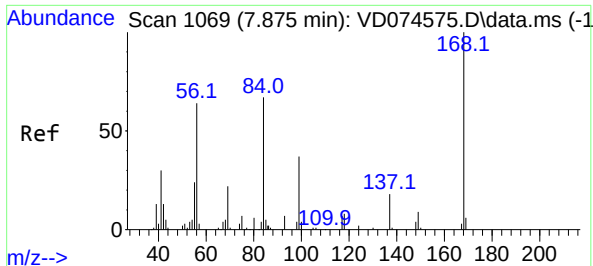
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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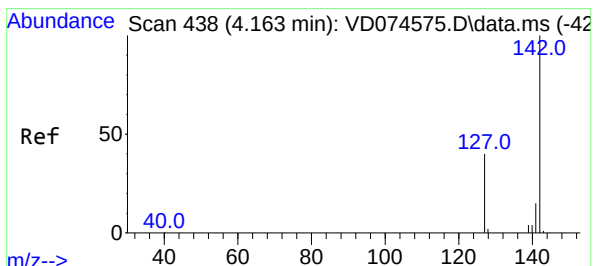
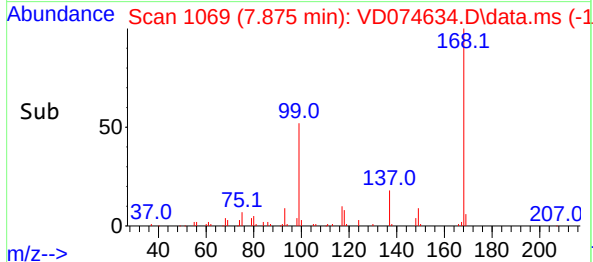
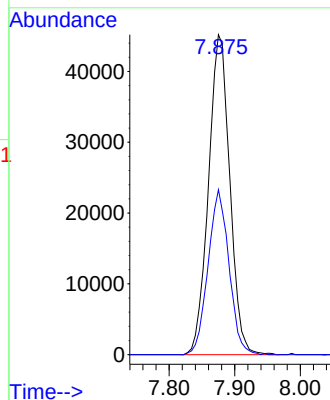
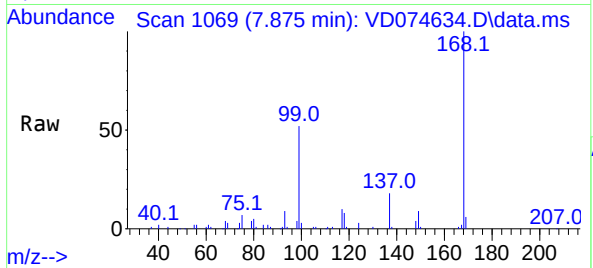




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

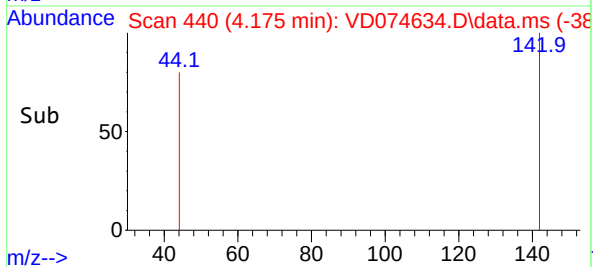
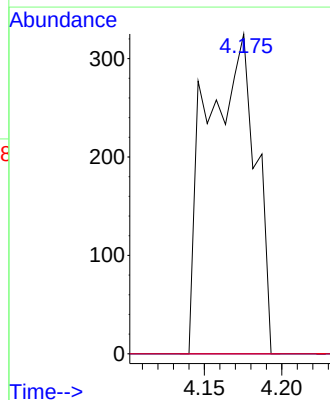
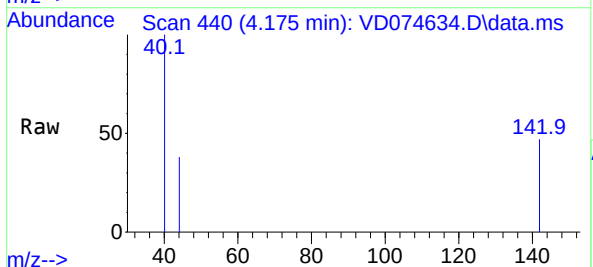
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

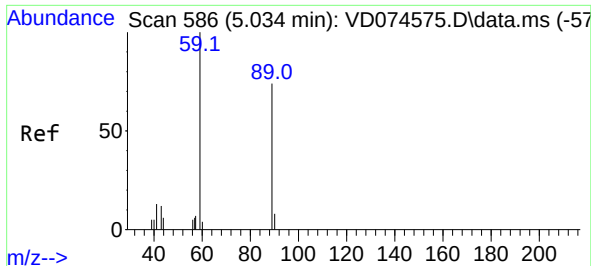
Tgt Ion:168 Resp: 102111
Ion Ratio Lower Upper
168 100
99 51.5 40.9 61.3



#10
Methyl Iodide
Concen: 4.400 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion:142 Resp: 706
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

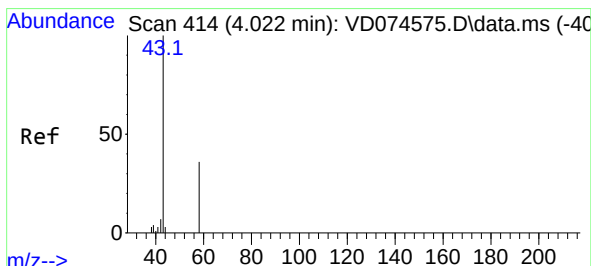
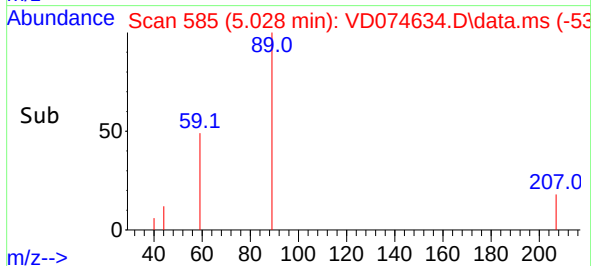
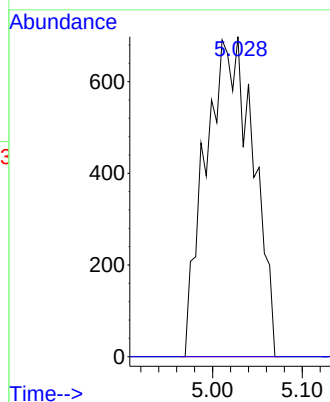
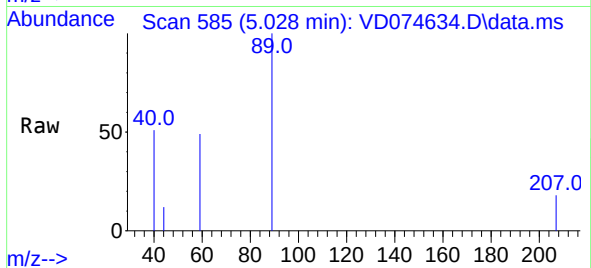




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.028 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

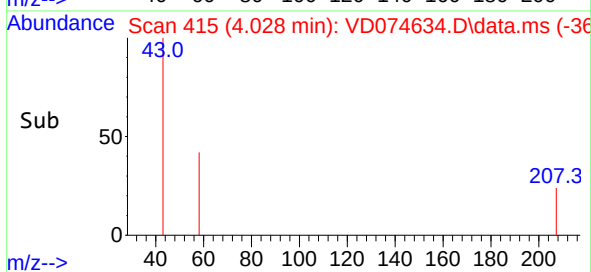
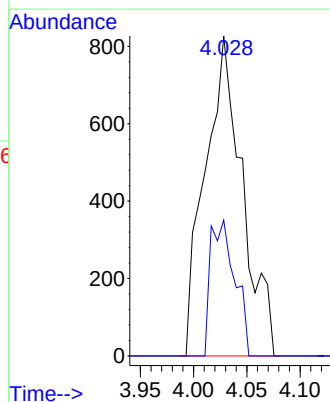
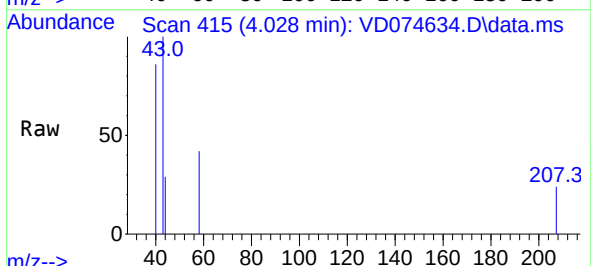
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

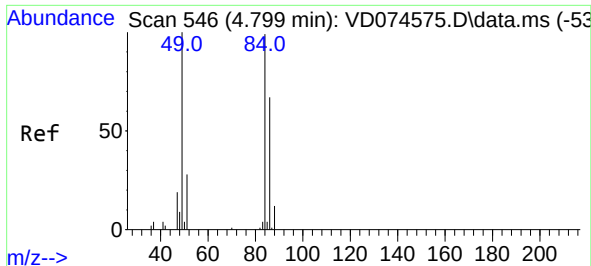
Tgt Ion: 59 Resp: 2566
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 11.795 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

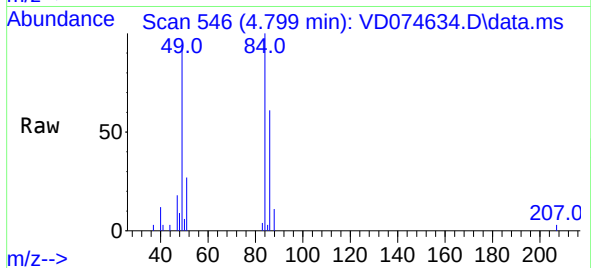
Tgt Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
58 42.4 30.2 45.2



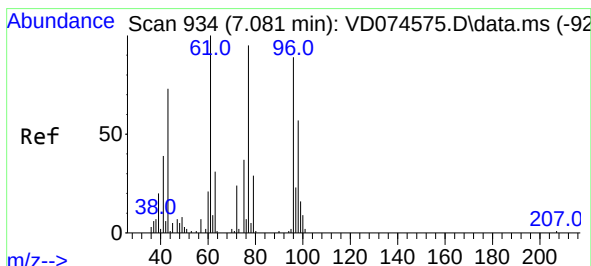
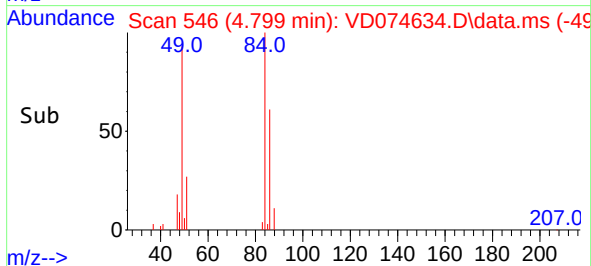
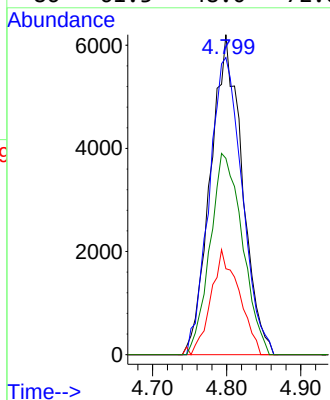


#20
Methylene Chloride
Concen: 5.037 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

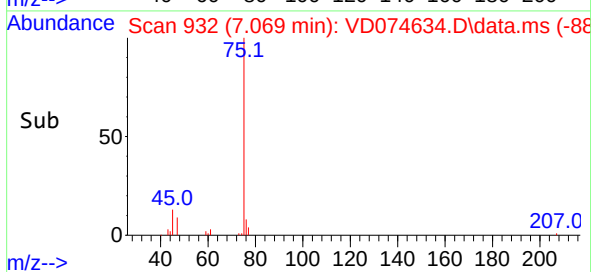
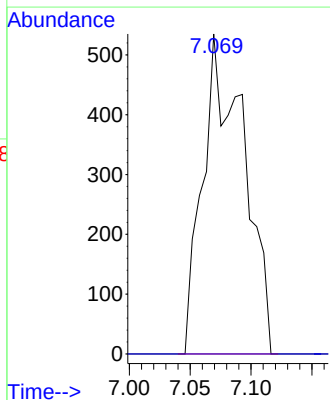
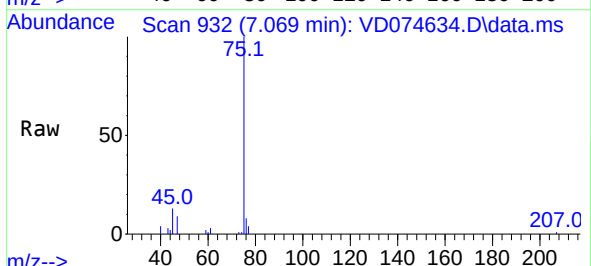


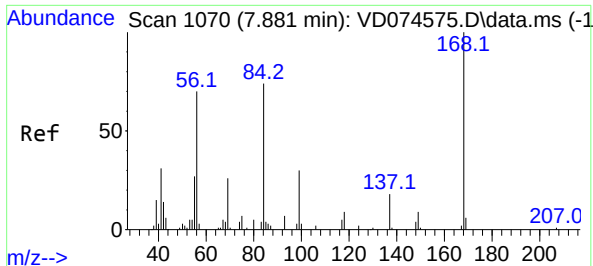
Tgt Ion:	84	Resp:	18461
Ion	Ratio	Lower	Upper
84	100		
49	92.9	68.0	102.0
51	26.8	23.2	34.8
86	61.3	48.0	72.0



#25
2-Butanone
Concen: 5.500 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion:	43	Resp:	1252
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.881 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074634.D

Acq: 25 Oct 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

TP5-1024

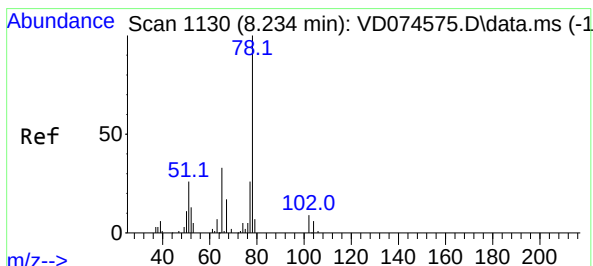
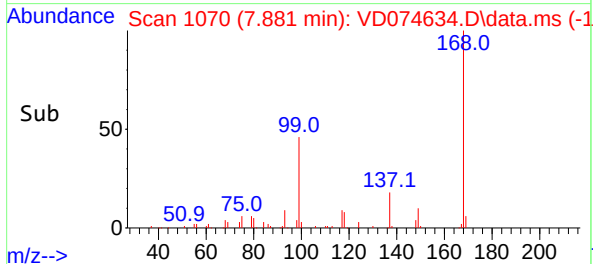
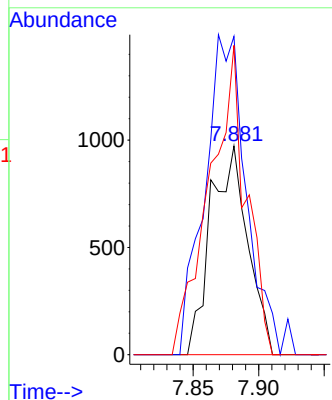
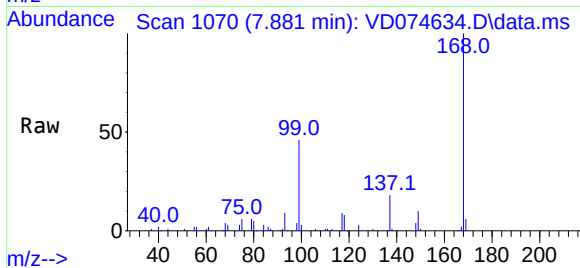
Tgt Ion: 56 Resp: 1910

Ion Ratio Lower Upper

56 100

69 152.5 29.2 43.8#

84 148.2 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 64.379 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074634.D

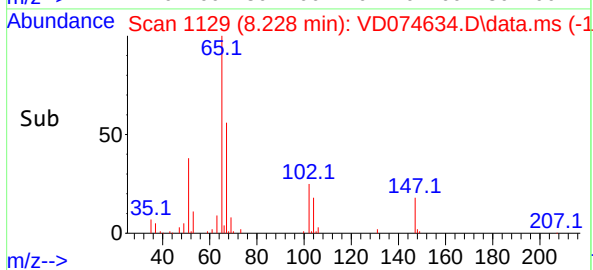
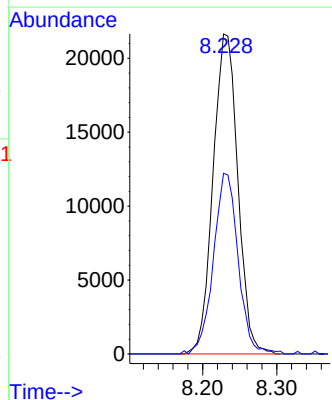
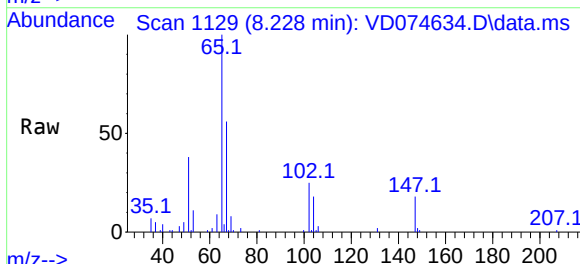
Acq: 25 Oct 2022 15:53

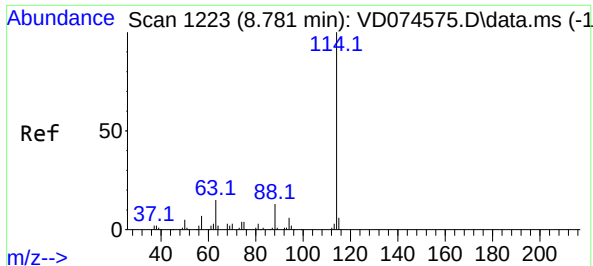
Tgt Ion: 65 Resp: 50190

Ion Ratio Lower Upper

65 100

67 56.4 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074634.D

Acq: 25 Oct 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

TP5-1024

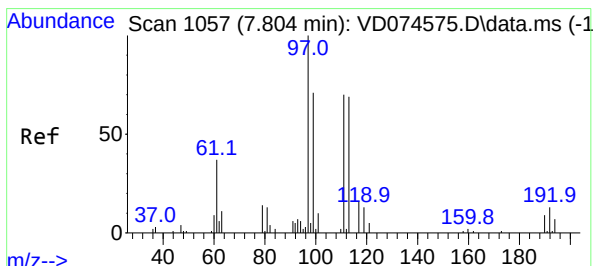
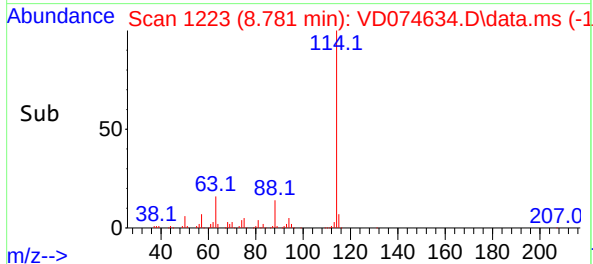
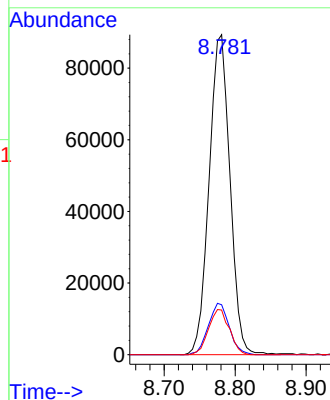
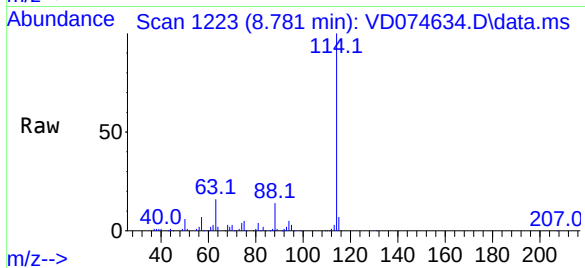
Tgt Ion:114 Resp: 182135

Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.2

88 14.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 63.950 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074634.D

Acq: 25 Oct 2022 15:53

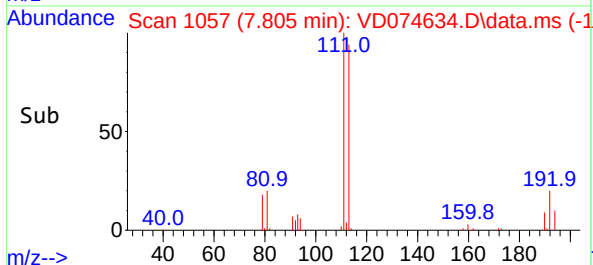
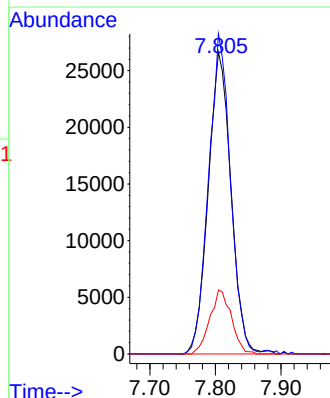
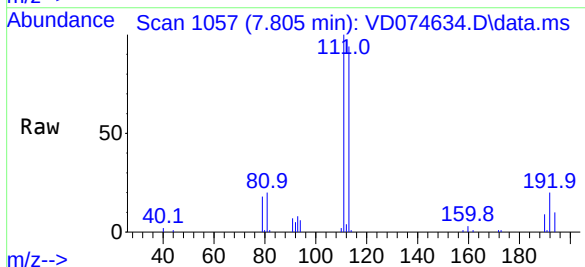
Tgt Ion:113 Resp: 64222

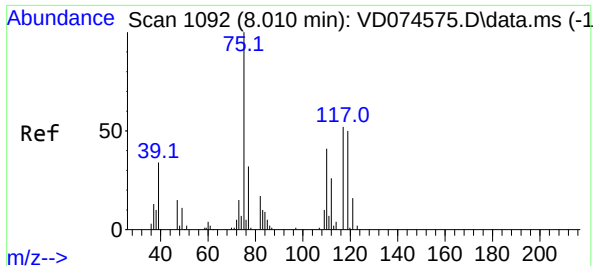
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 20.1 16.4 24.6

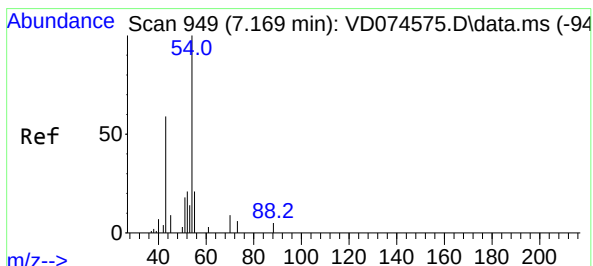
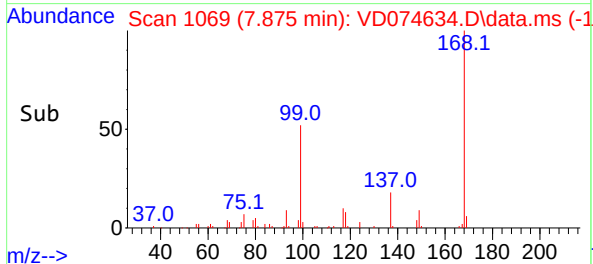
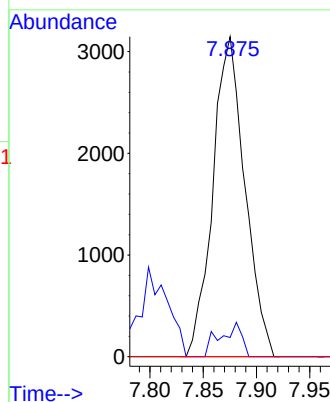
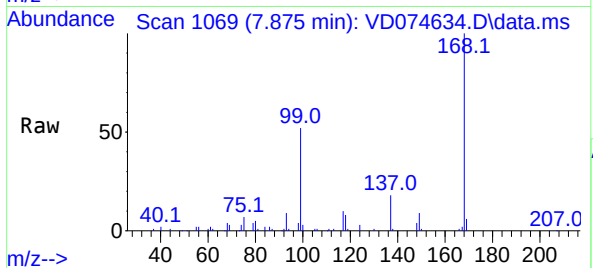




#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.129 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

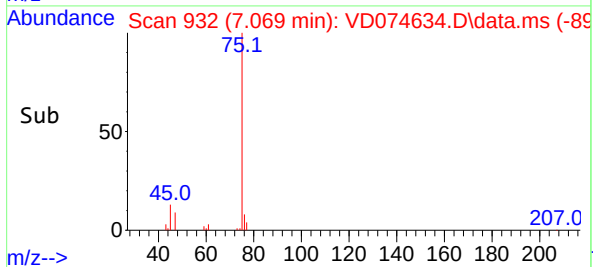
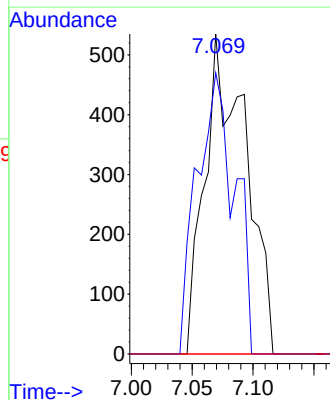
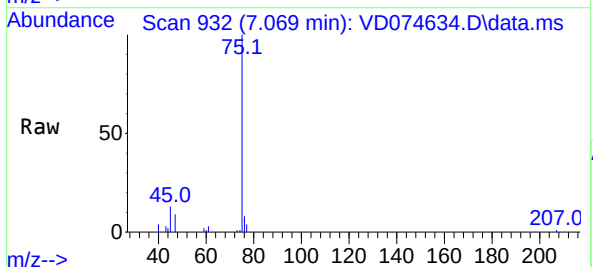
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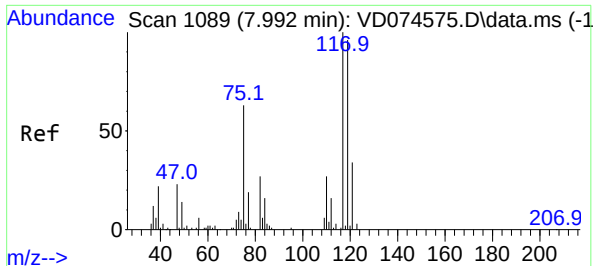
Tgt Ion: 75 Resp: 6581
Ion Ratio Lower Upper
75 100
110 7.2 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 2.425 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.100 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
61 80.6 12.2 18.4#
70 0.0 9.6 14.4#

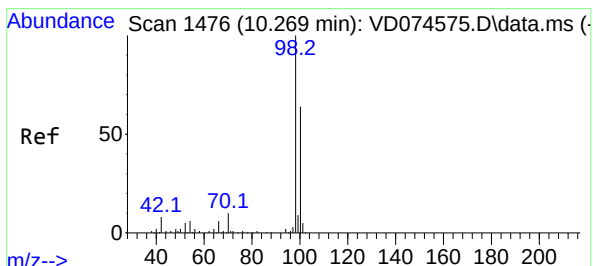
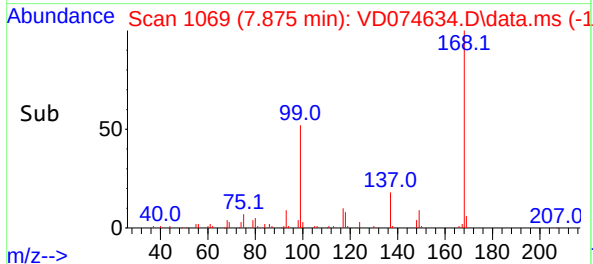
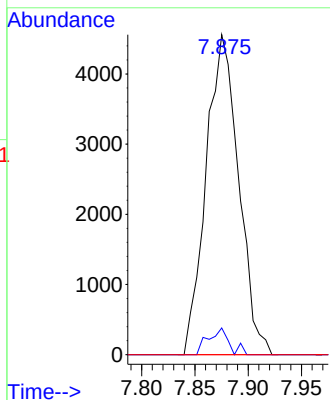
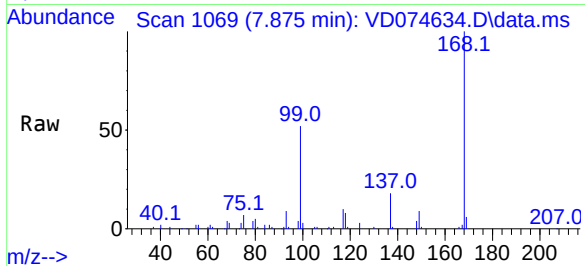




#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

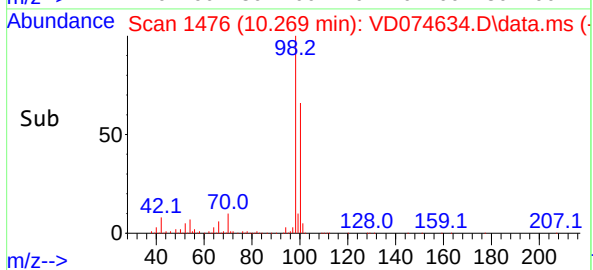
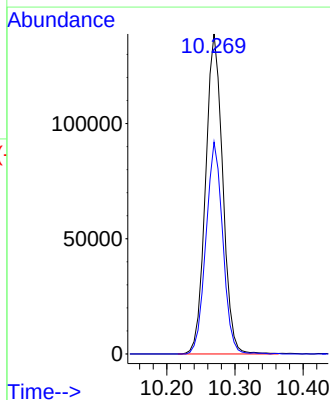
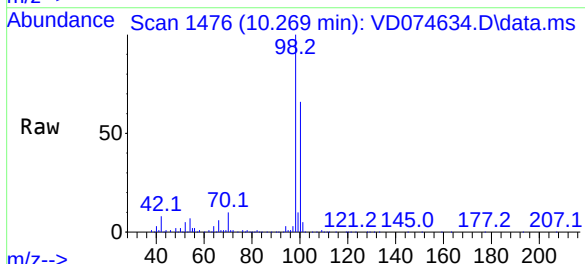
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

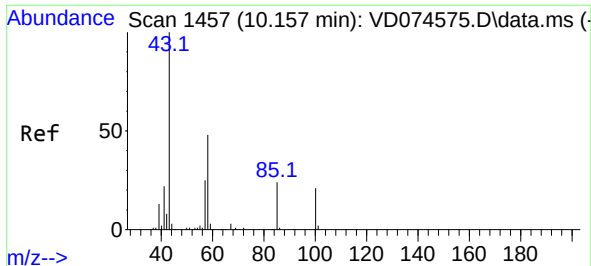
Tgt Ion:117 Resp: 9693
Ion Ratio Lower Upper
117 100
119 8.3 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 66.720 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion: 98 Resp: 243225
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.102 ug/l

RT: 10.152 min Scan# 1456

Delta R.T. -0.005 min

Lab File: VD074634.D

Acq: 25 Oct 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

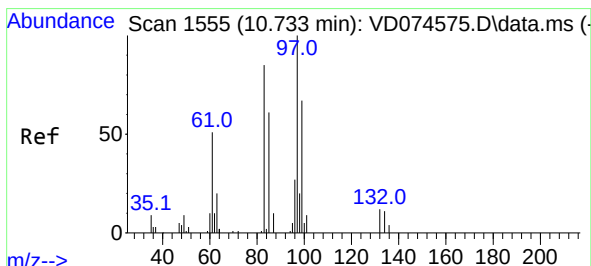
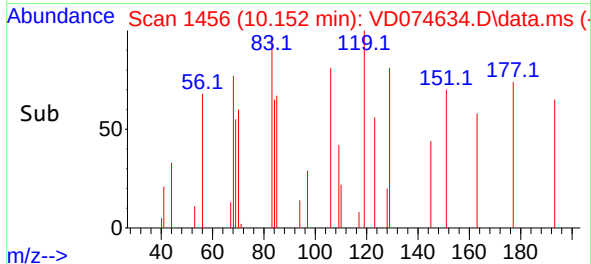
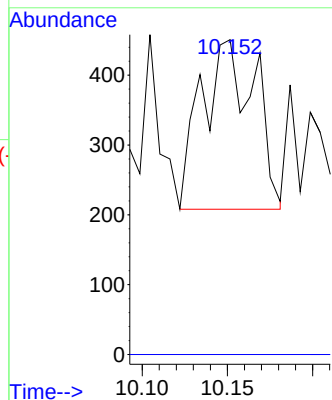
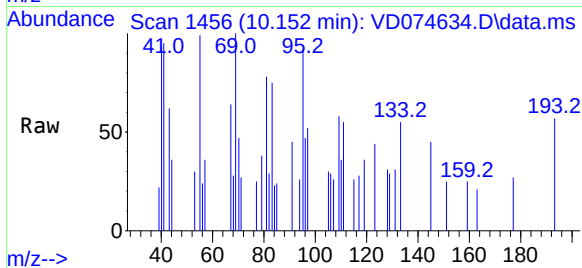
TP5-1024

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

43 100

58 0.0 37.8 56.6#



#55

1,1,2-Trichloroethane

Concen: 1.771 ug/l

RT: 10.716 min Scan# 1552

Delta R.T. -0.018 min

Lab File: VD074634.D

Acq: 25 Oct 2022 15:53

Tgt Ion: 97 Resp: 1496

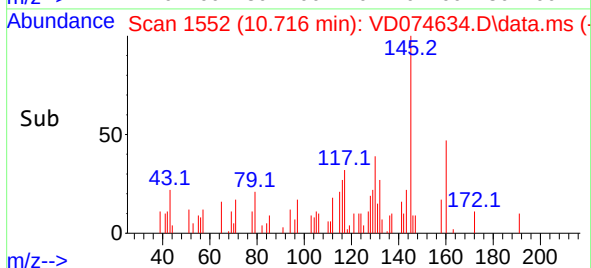
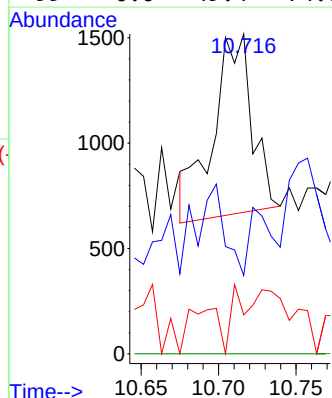
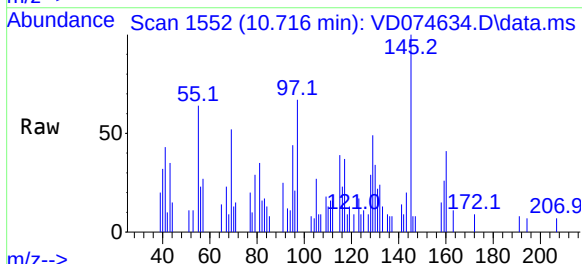
Ion Ratio Lower Upper

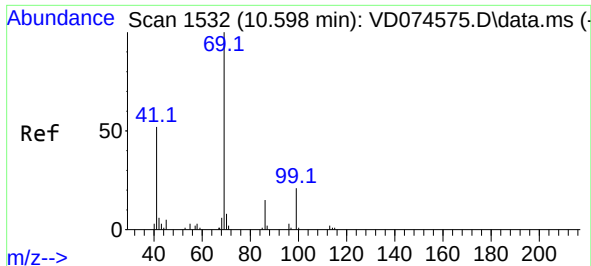
97 100

83 0.0 64.8 97.2#

85 22.6 44.8 67.2#

99 0.0 49.4 74.0#

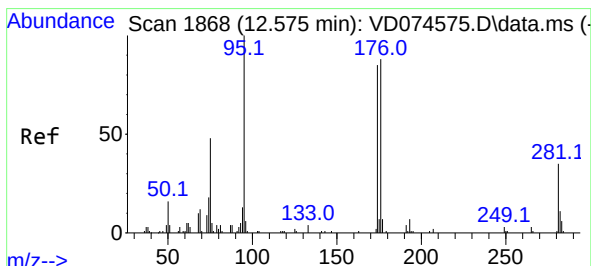
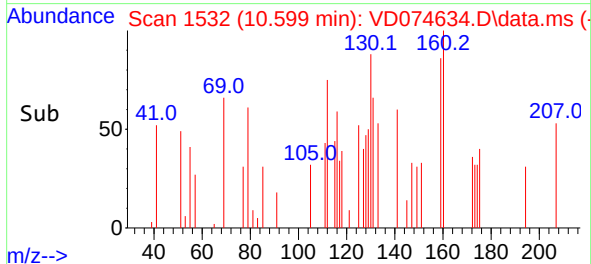
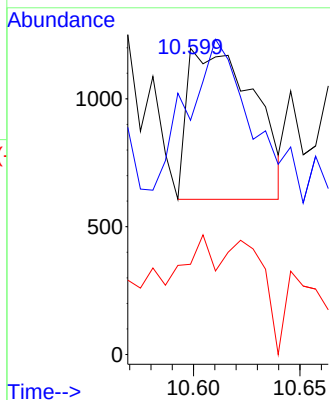
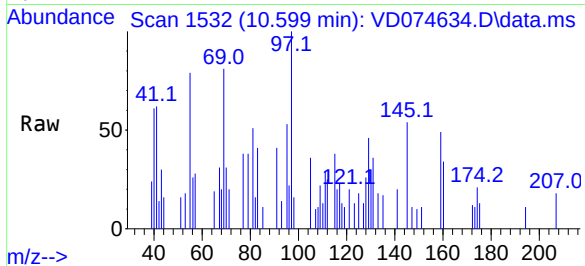




#56
Ethyl methacrylate
Concen: 1.387 ug/l
RT: 10.599 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

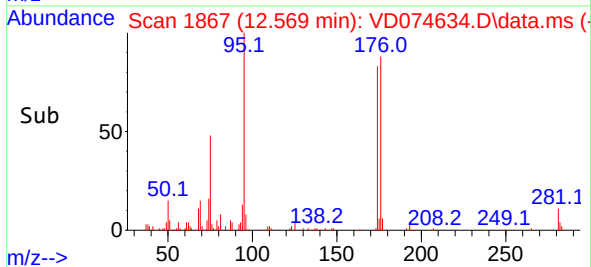
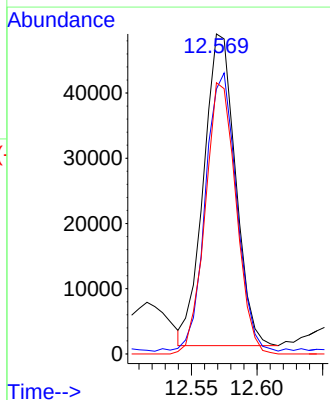
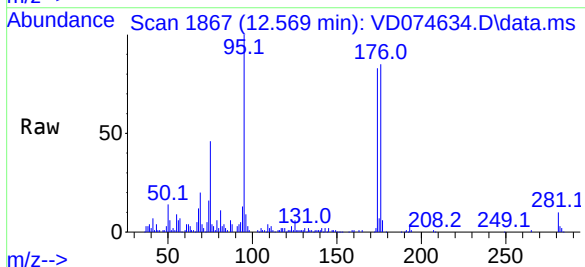
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

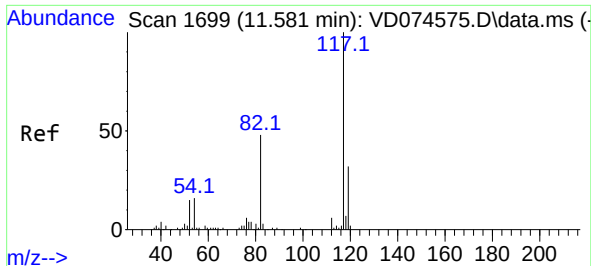
Tgt Ion: 69 Resp: 1281
Ion Ratio Lower Upper
69 100
41 108.0 38.6 58.0#
39 11.4 19.9 29.9#



#62
4-Bromofluorobenzene
Concen: 77.976 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

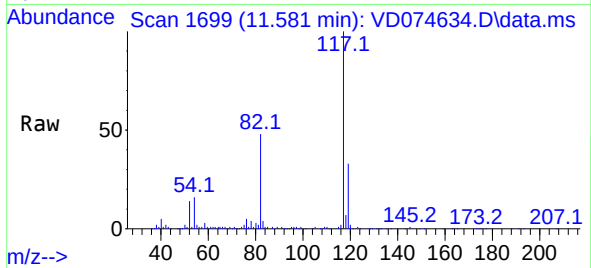
Tgt Ion: 95 Resp: 80640
Ion Ratio Lower Upper
95 100
174 87.2 0.0 197.0
176 84.2 0.0 182.6





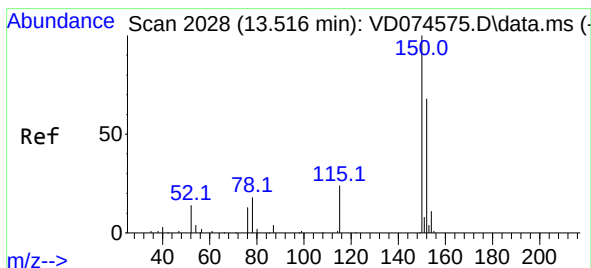
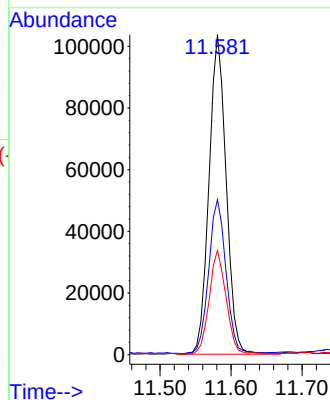
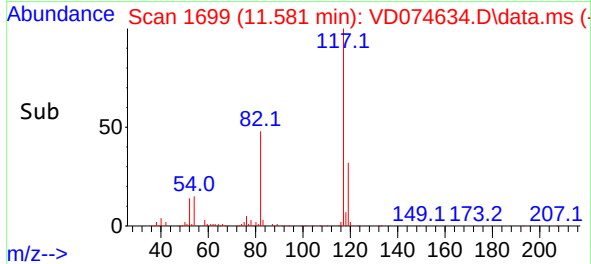
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
TP5-1024



Tgt Ion:117 Resp: 174120

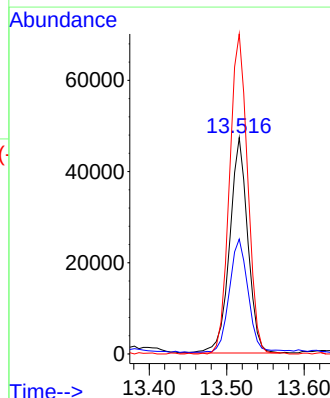
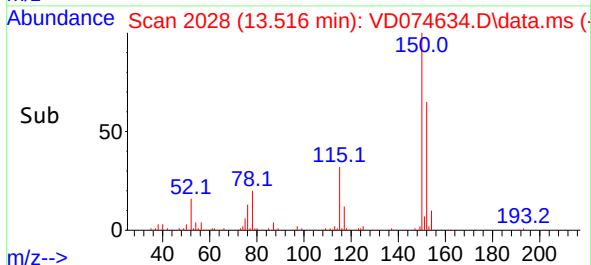
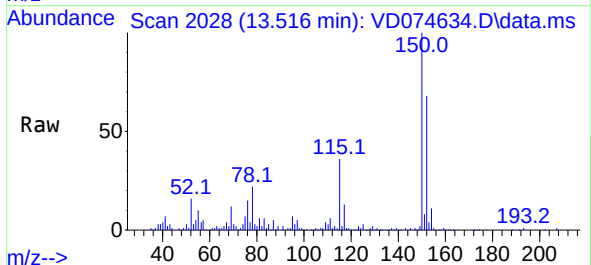
Ion	Ratio	Lower	Upper
117	100		
82	48.1	41.6	62.4
119	32.4	25.2	37.8

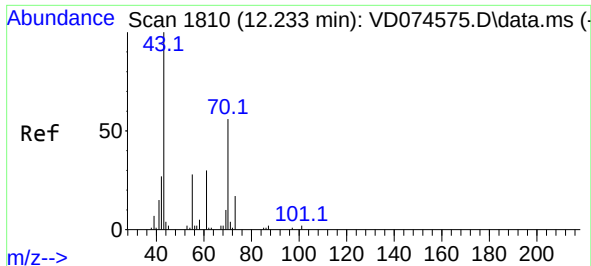


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion:152 Resp: 77049

Ion	Ratio	Lower	Upper
152	100		
115	55.1	26.8	80.4
150	148.6	0.0	348.2

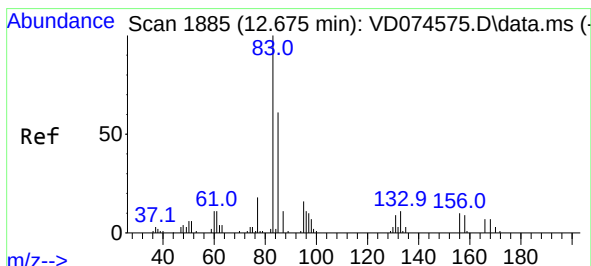
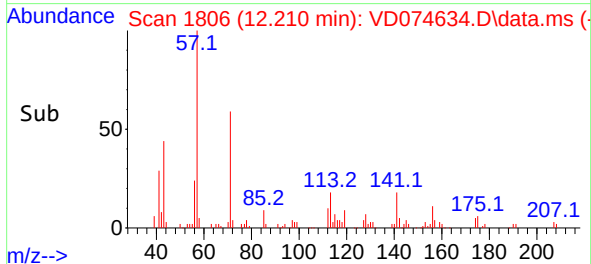
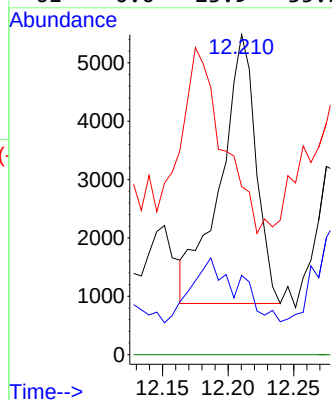
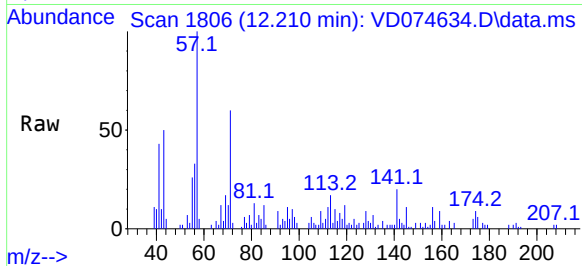




#74
N-amy1 acetate
Concen: 9.821 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

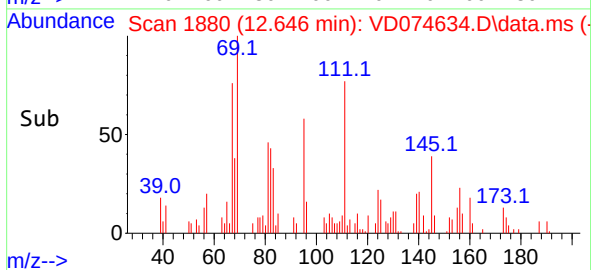
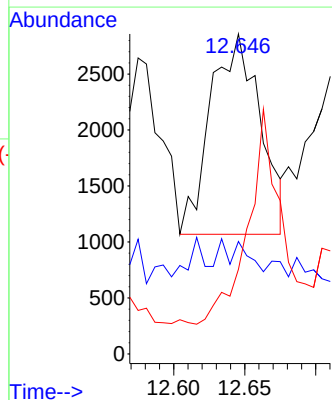
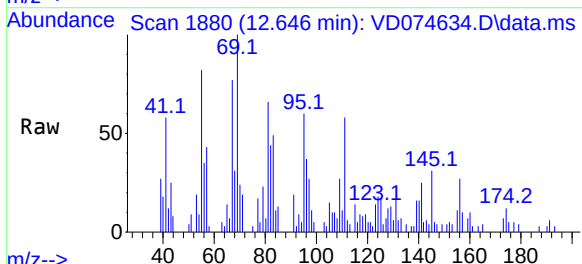
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

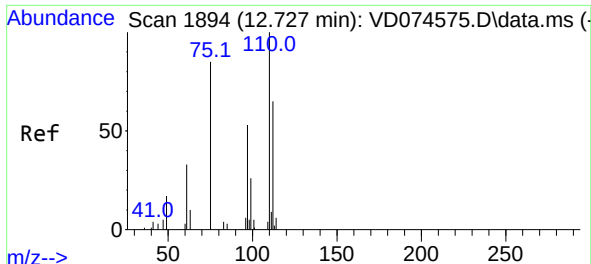
Tgt Ion:	43	Resp:	8723
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.8	65.6#
55	0.0	22.0	33.0#
61	0.0	23.9	35.9#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.566 ug/l
RT: 12.646 min Scan# 1880
Delta R.T. -0.024 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion:	83	Resp:	4343
Ion	Ratio	Lower	Upper
83	100		
131	2.3	4.7	14.1#
85	0.0	33.1	99.2#

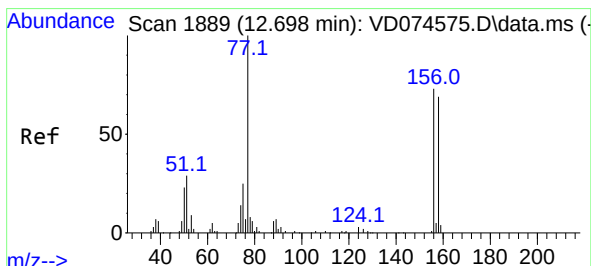
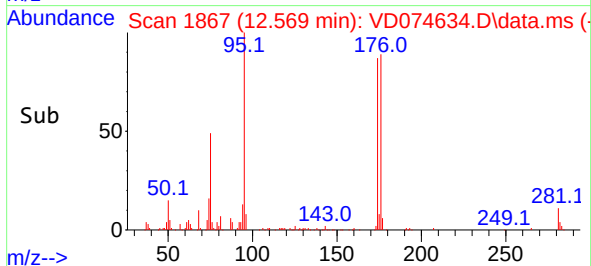
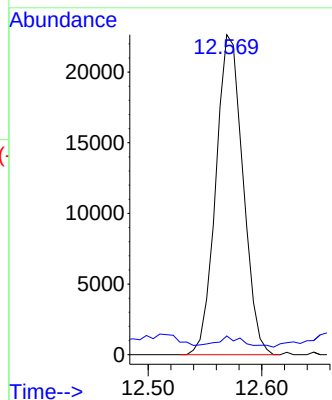
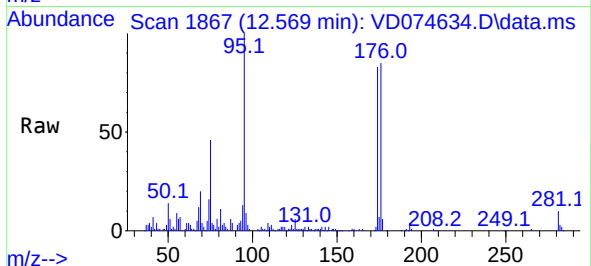




#76
1,2,3-Trichloropropane
Concen: 55.793 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

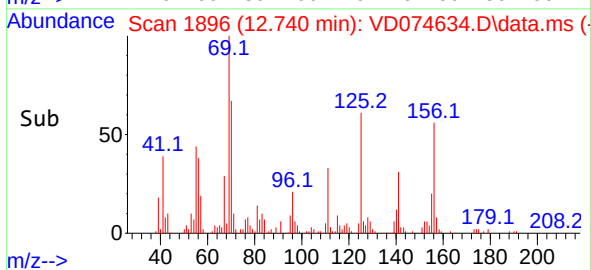
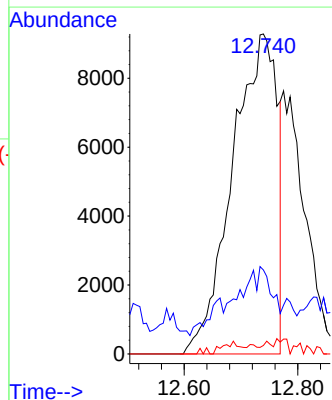
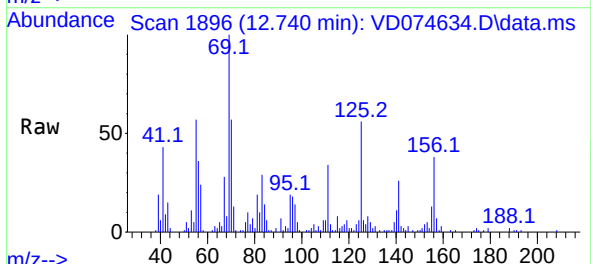
Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

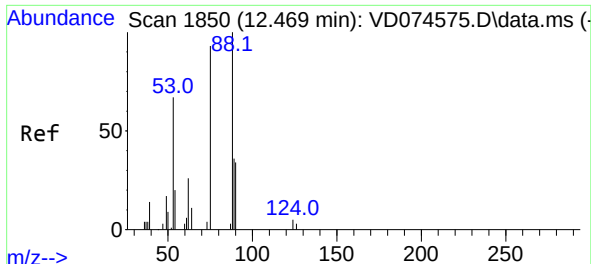
Tgt Ion: 75 Resp: 37536
Ion Ratio Lower Upper
75 100
77 3.2 185.8 557.5#



#77
Bromobenzene
Concen: 37.363 ug/l
RT: 12.740 min Scan# 1896
Delta R.T. 0.042 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion:156 Resp: 50672
Ion Ratio Lower Upper
156 100
77 0.0 77.7 233.1#
158 0.8 49.4 148.2#

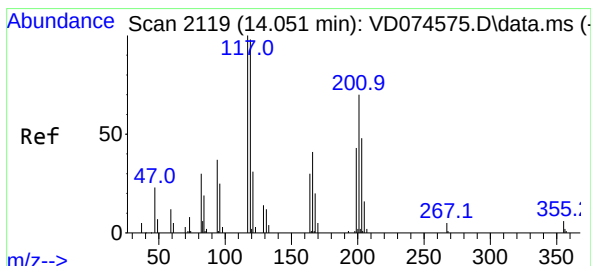
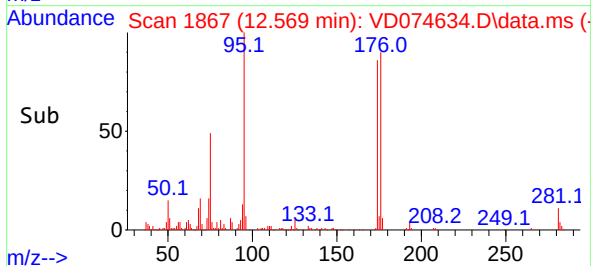
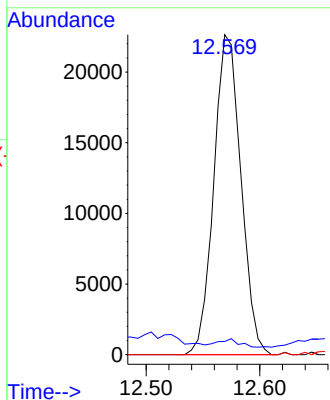
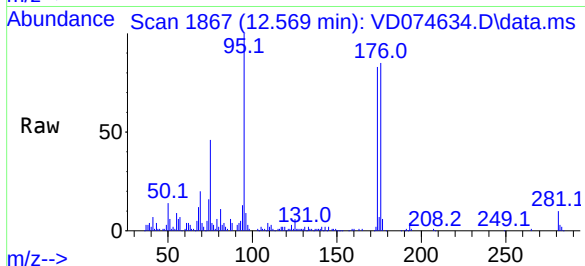




#81
trans-1,4-Dichloro-2-butene
Concen: 142.580 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
TP5-1024

Tgt Ion: 75 Resp: 37536
Ion Ratio Lower Upper
75 100
53 2.0 63.8 95.6#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 1.498 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.012 min
Lab File: VD074634.D
Acq: 25 Oct 2022 15:53

Tgt Ion: 117 Resp: 1426
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#

