

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074899.D
 Acq On : 11 Nov 2022 18:52
 Operator : VA/SY
 Sample : N5531-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP03RE

Quant Time: Nov 14 00:57:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

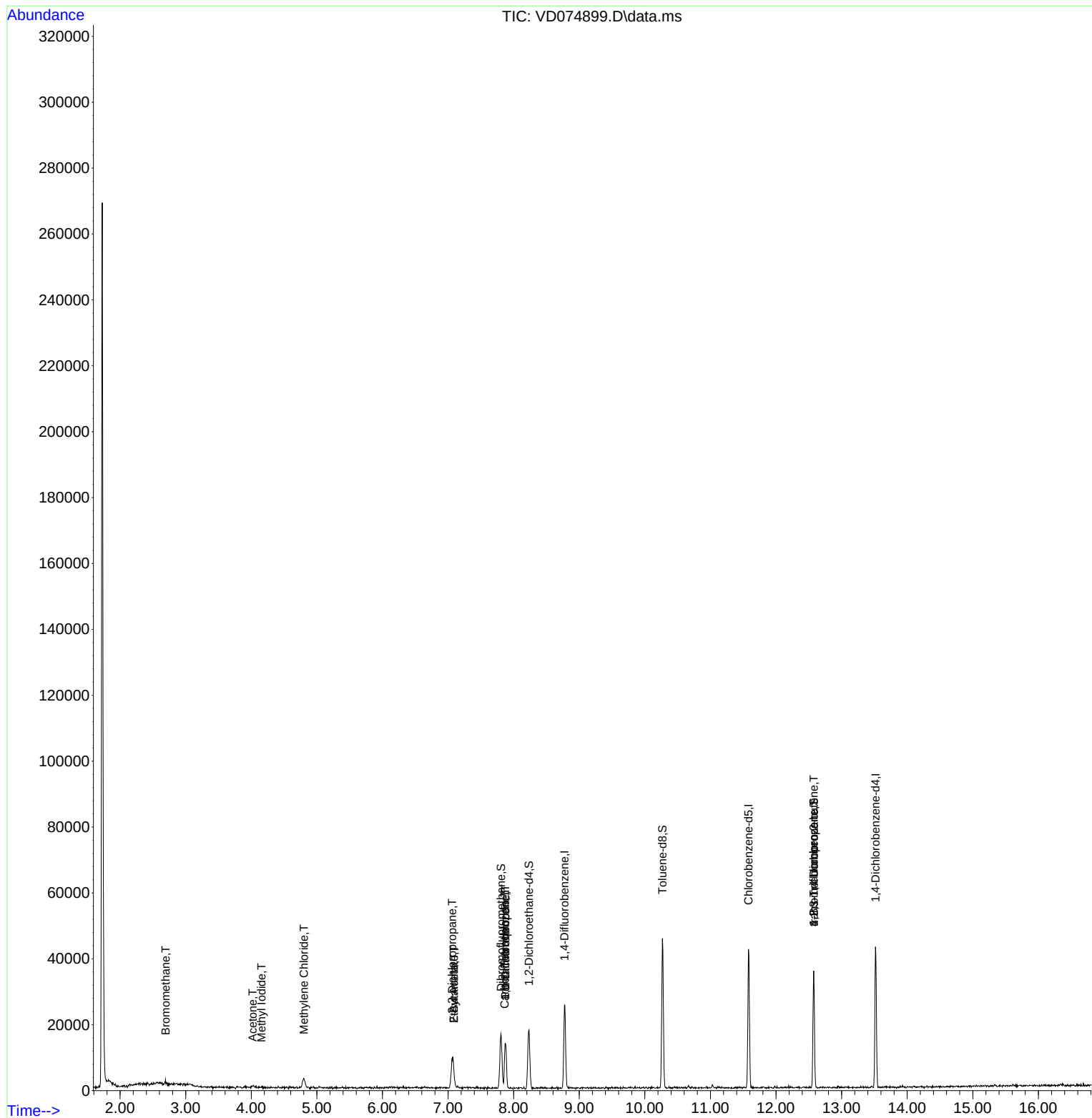
Internal Standards						
1) Pentafluorobenzene	7.875	168	12451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	25594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	27628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	13536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14702	194.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 389.740%#	
35) Dibromofluoromethane	7.810	113	12303	77.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.960%#	
50) Toluene-d8	10.269	98	33655	64.759	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.520%	
62) 4-Bromofluorobenzene	12.575	95	11017	69.037	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 138.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	321	Below Cal	#	37
5) Bromomethane	2.693	94	577	3.483	ug/l #	54
10) Methyl Iodide	4.158	142	74	5.212	ug/l #	43
16) Acetone	4.022	43	965	46.948	ug/l #	37
20) Methylene Chloride	4.805	84	2509	1.528	ug/l #	80
25) 2-Butanone	7.087	43	127	4.725	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	238	1.150	ug/l #	50
36) 1,1-Dichloropropene	7.875	75	989	4.265	ug/l #	39
37) Ethyl Acetate	7.087	43	127	1.632	ug/l #	66
38) Carbon Tetrachloride	7.863	117	664	3.042	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	5707	50.408	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	5707	124.006	ug/l #	17

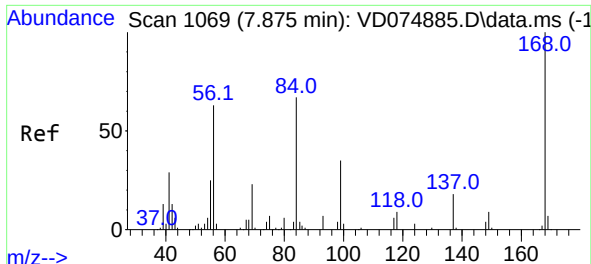
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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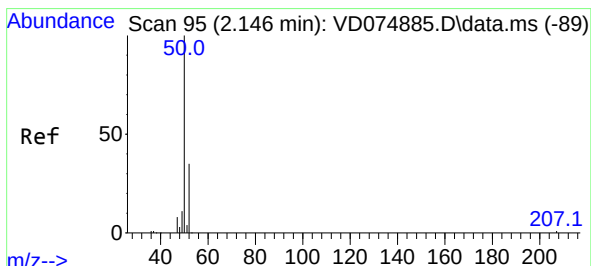
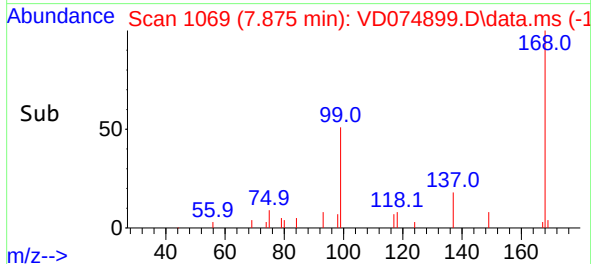
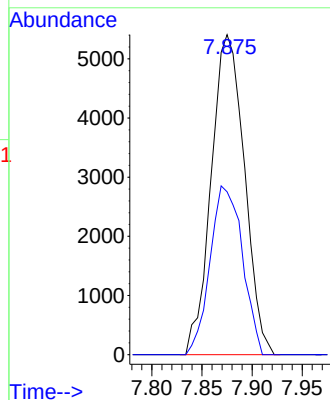
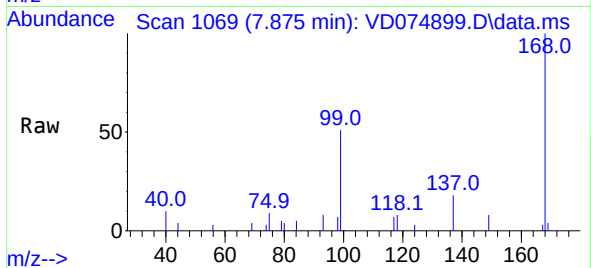




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

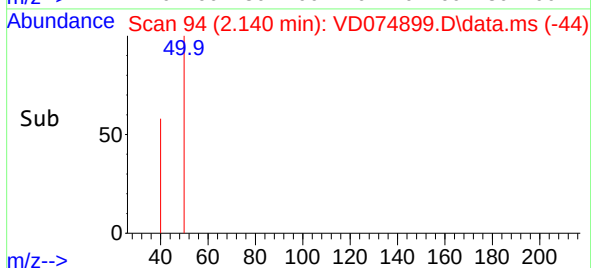
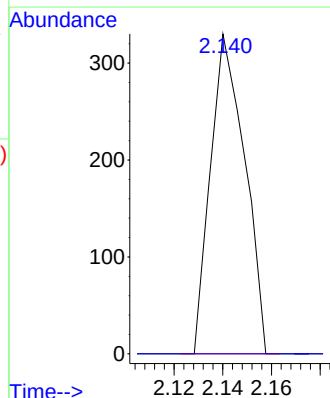
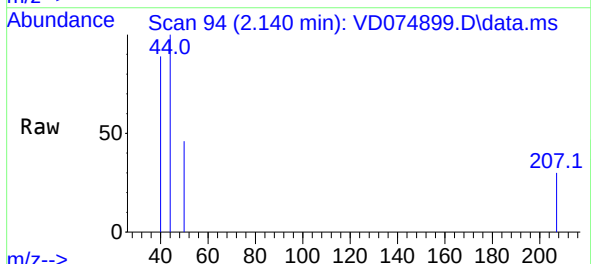
Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

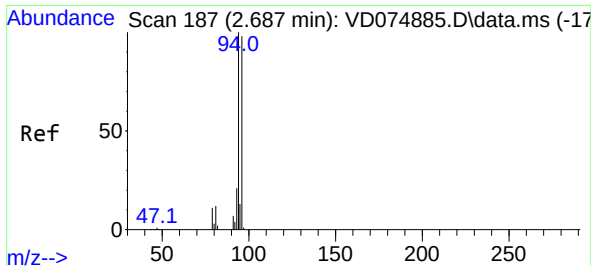
Tgt Ion:168 Resp: 12451
Ion Ratio Lower Upper
168 100
99 50.9 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion: 50 Resp: 321
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

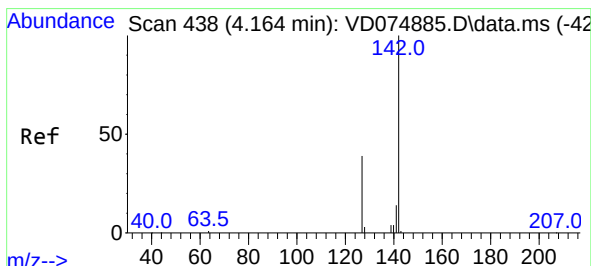
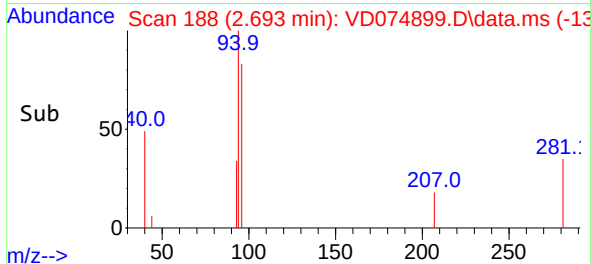
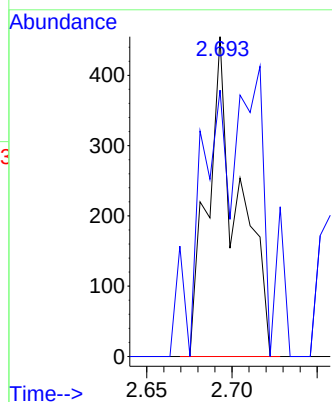
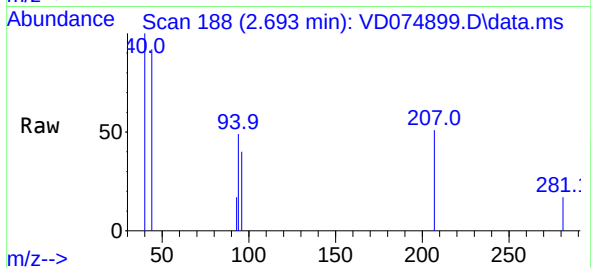




#5
Bromomethane
Concen: 3.483 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

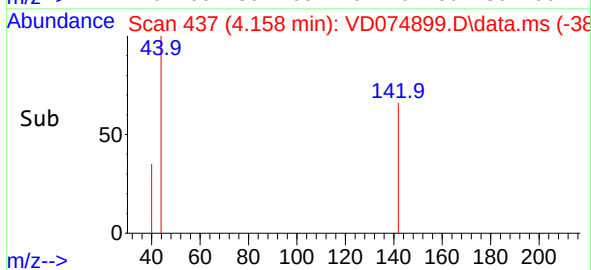
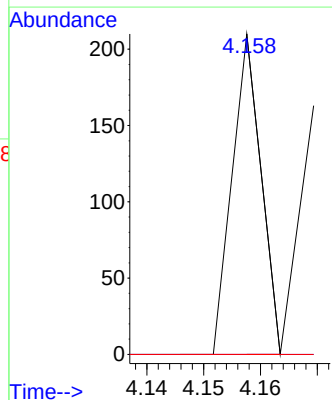
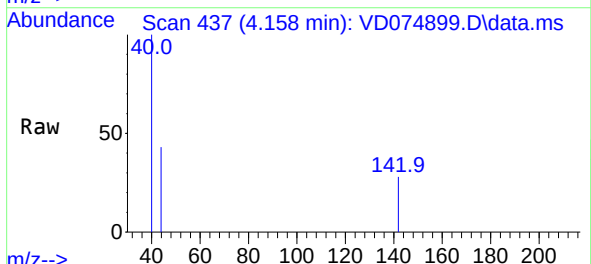
Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

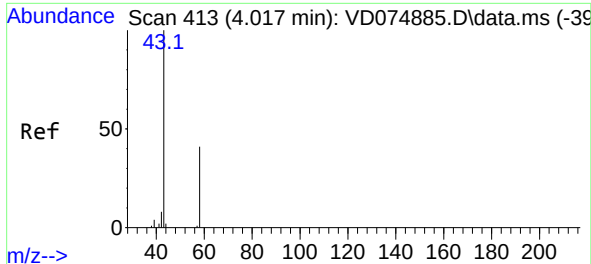
Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 48.8 74.6 112.0#



#10
Methyl Iodide
Concen: 5.212 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion: 142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 46.948 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

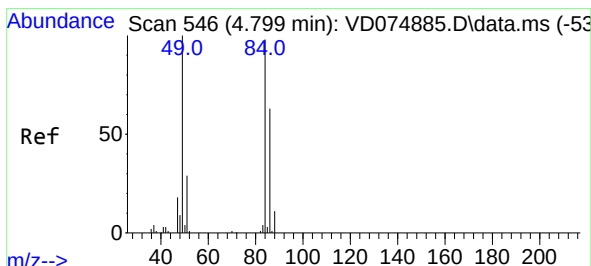
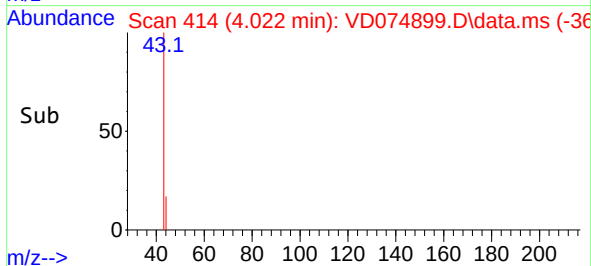
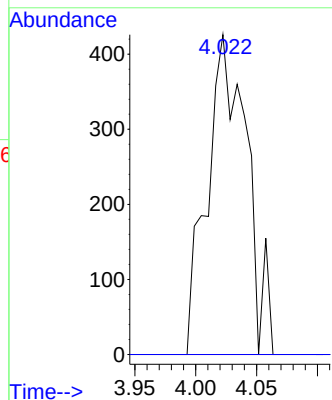
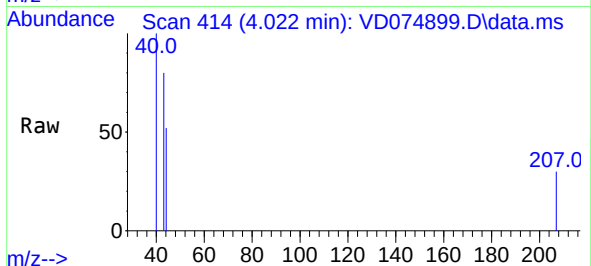
DUP03RE

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



#20

Methylene Chloride

Concen: 1.528 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

Tgt Ion: 84 Resp: 2509

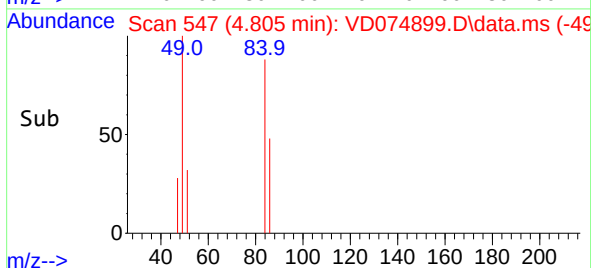
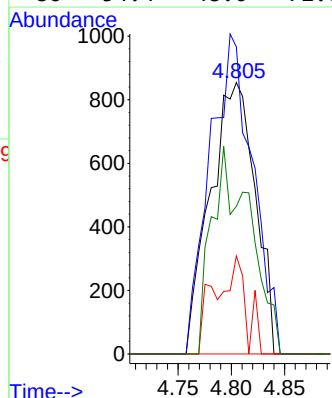
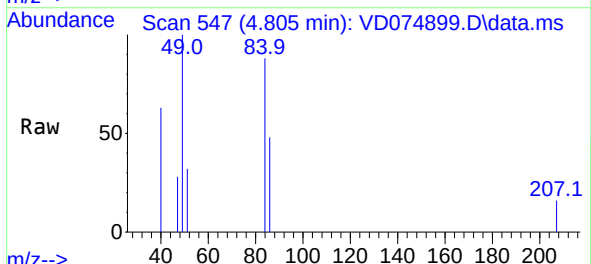
Ion Ratio Lower Upper

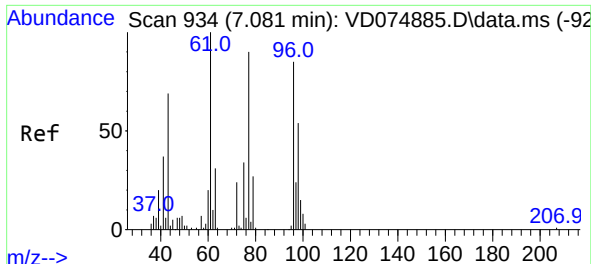
84 100

49 113.1 68.0 102.0#

51 36.2 23.2 34.8#

86 54.4 48.0 72.0

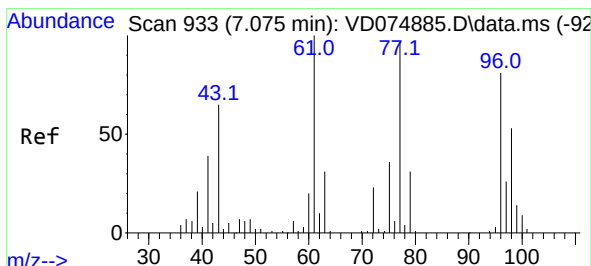
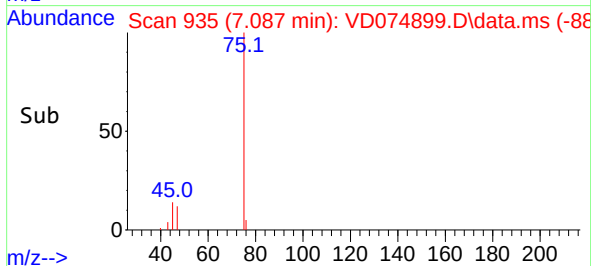
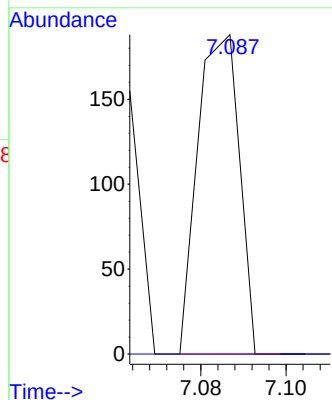
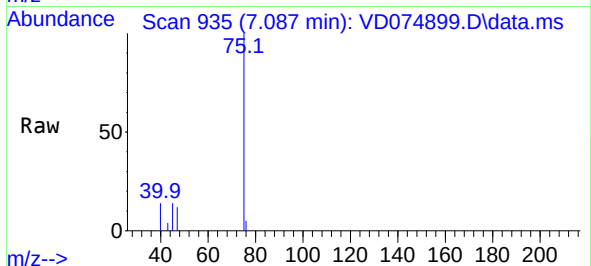




#25
2-Butanone
Concen: 4.725 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

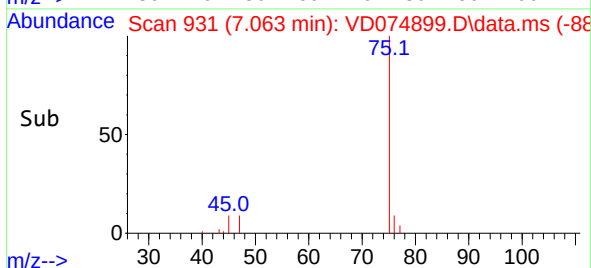
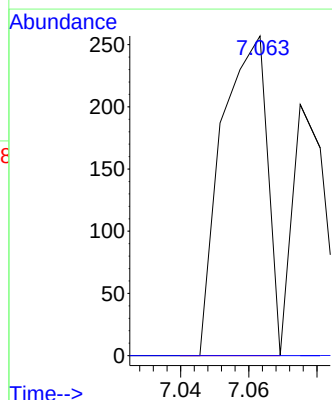
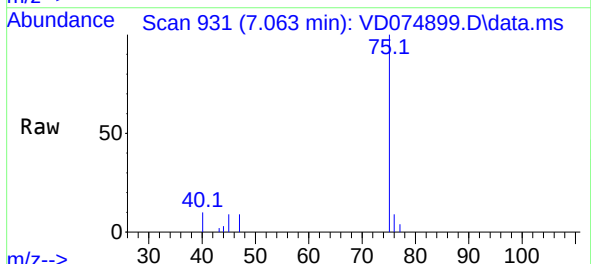
Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

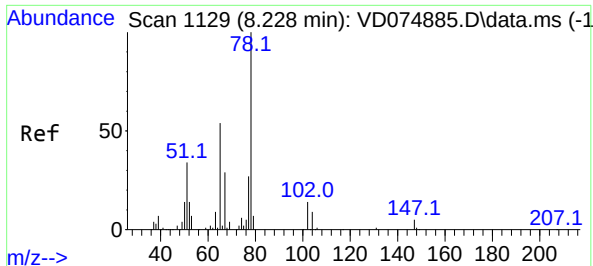
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 1.150 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.012 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion: 77 Resp: 238
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 194.872 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

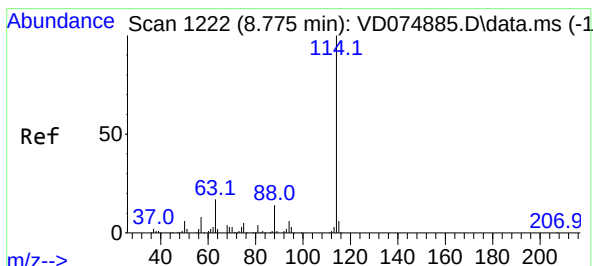
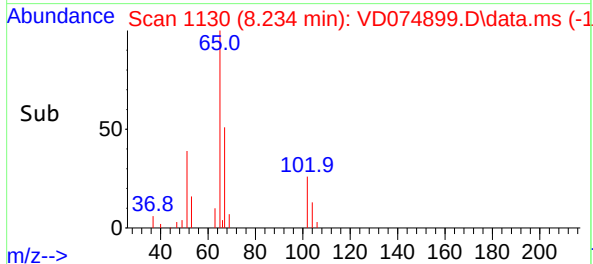
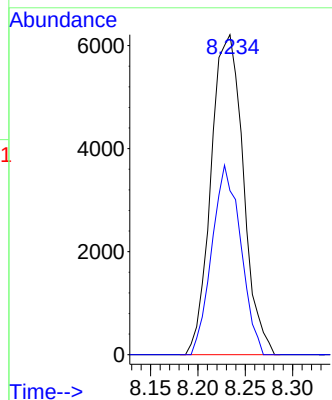
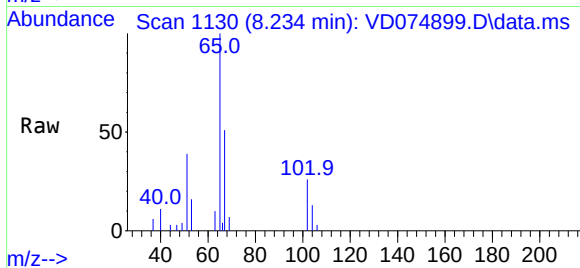
DUP03RE

Tgt Ion: 65 Resp: 14702

Ion Ratio Lower Upper

65 100

67 53.0 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: VD074899.D

Acq: 11 Nov 2022 18:52

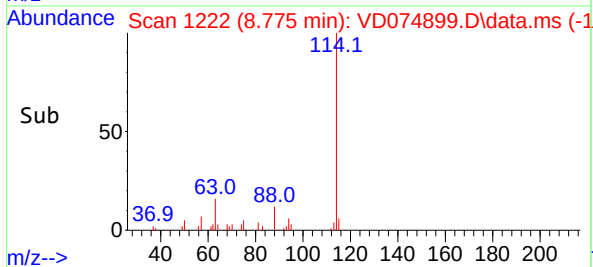
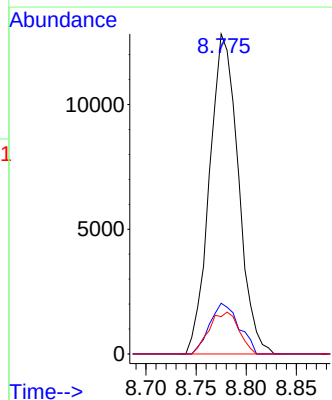
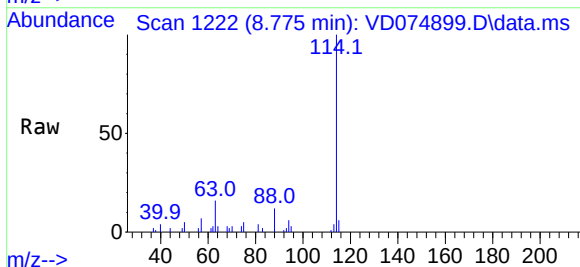
Tgt Ion: 114 Resp: 25594

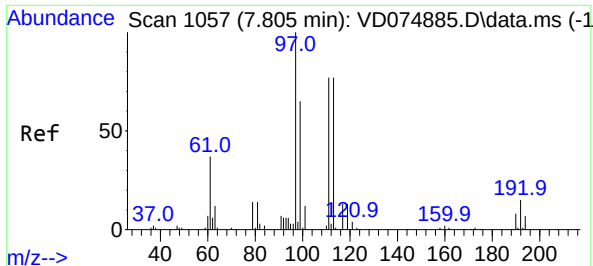
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 11.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 77.981 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

DUP03RE

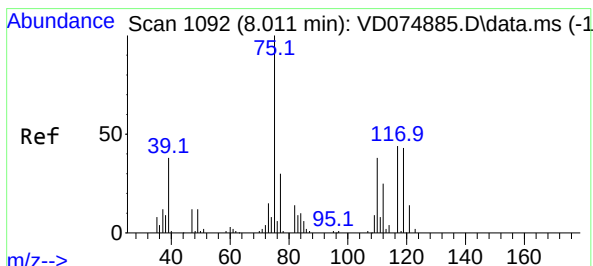
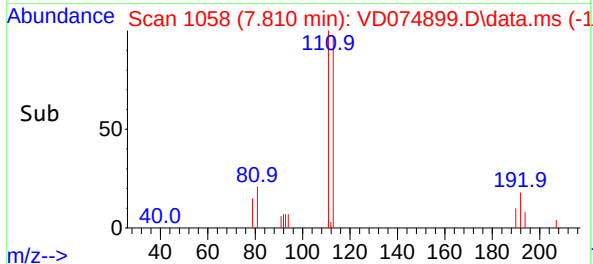
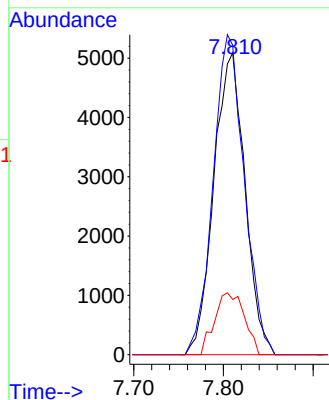
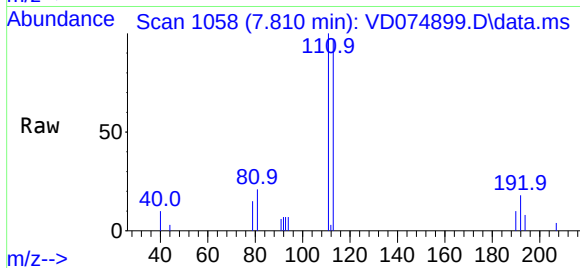
Tgt Ion:113 Resp: 12303

Ion Ratio Lower Upper

113 100

111 105.4 82.3 123.5

192 19.6 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

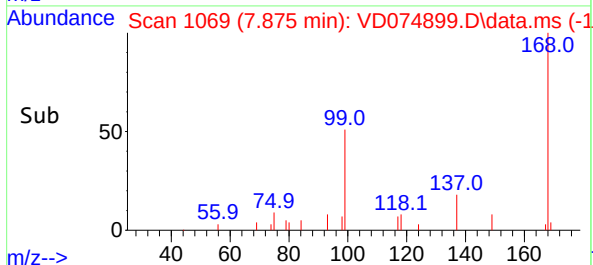
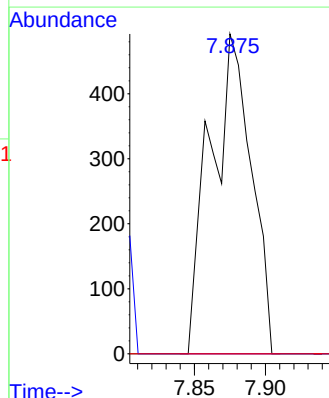
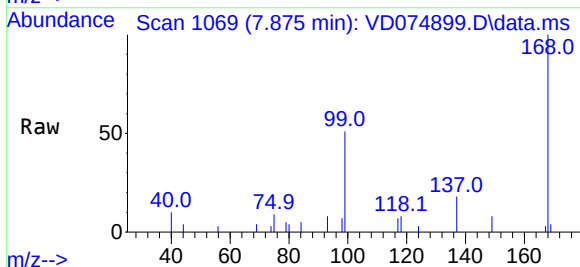
Tgt Ion: 75 Resp: 989

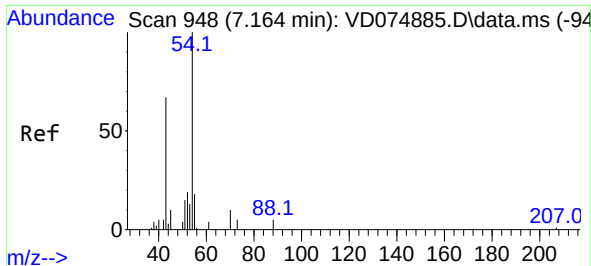
Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.632 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD074899.D

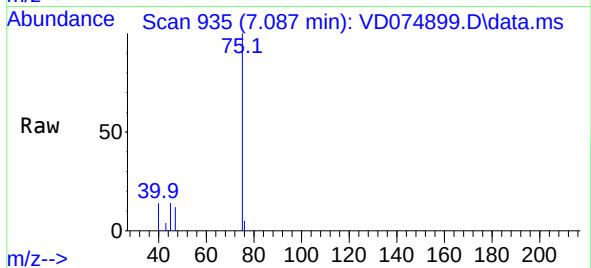
Acq: 11 Nov 2022 18:52

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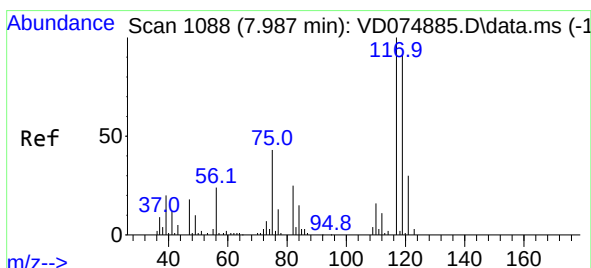
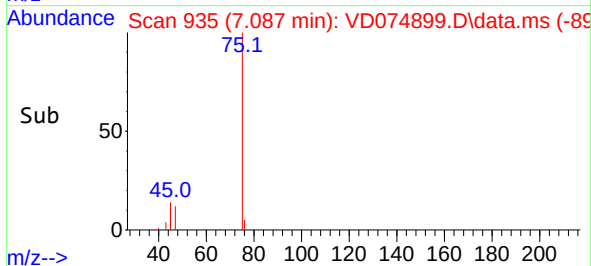
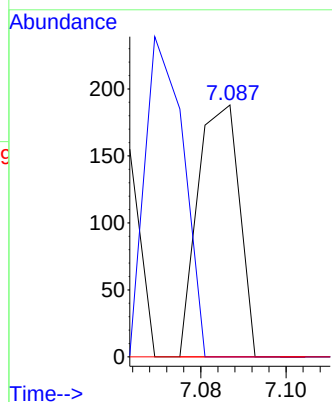
Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 3.042 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.124 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

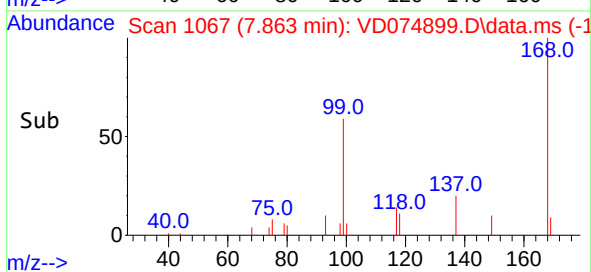
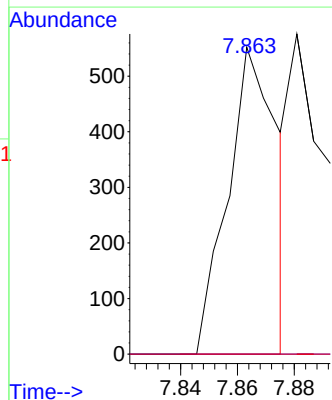
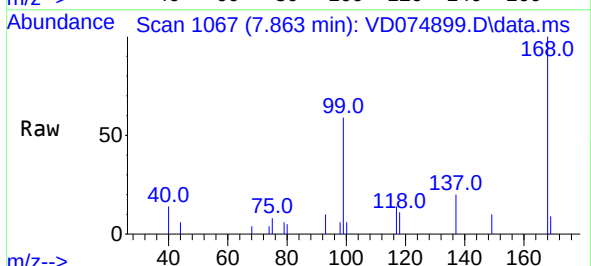
Tgt Ion: 117 Resp: 664

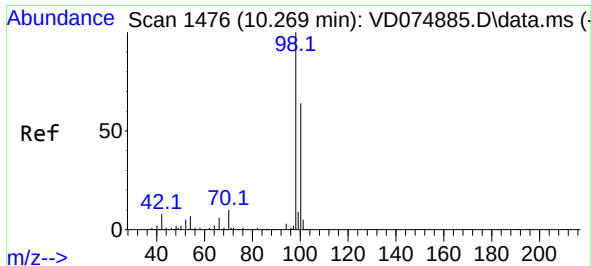
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

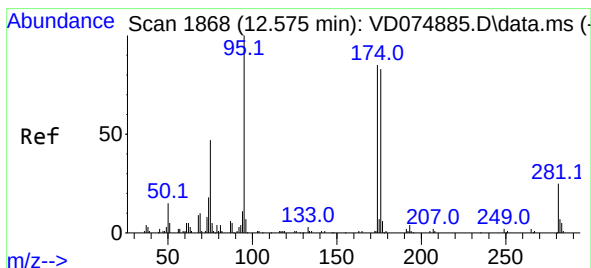
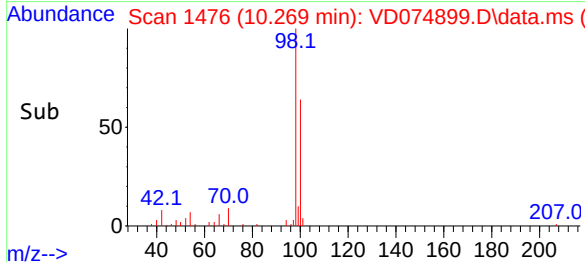
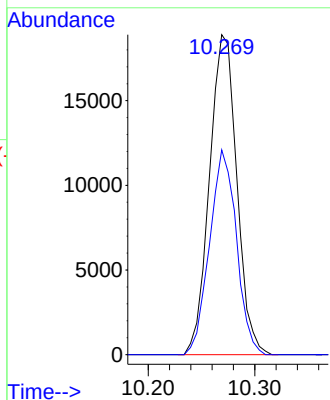
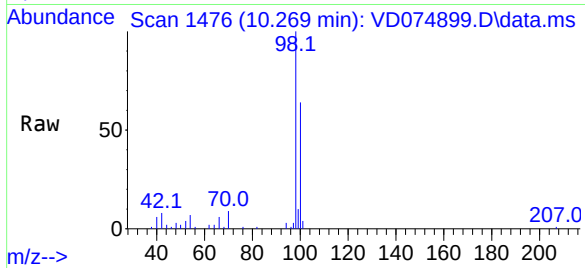




#50
Toluene-d8
Concen: 64.759 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

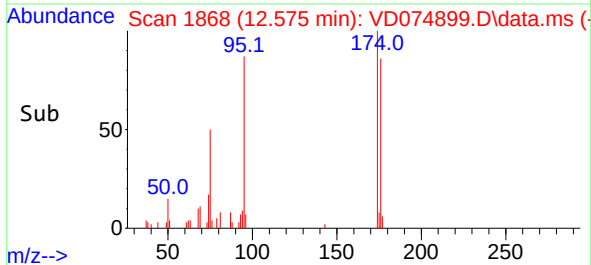
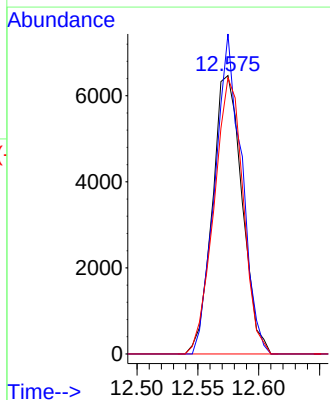
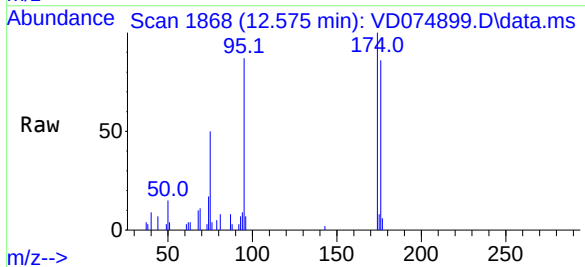
Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

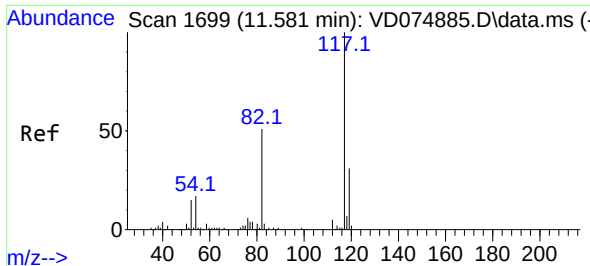
Tgt Ion: 98 Resp: 33655
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 69.037 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion: 95 Resp: 11017
Ion Ratio Lower Upper
95 100
174 103.0 0.0 197.0
176 96.8 0.0 182.6

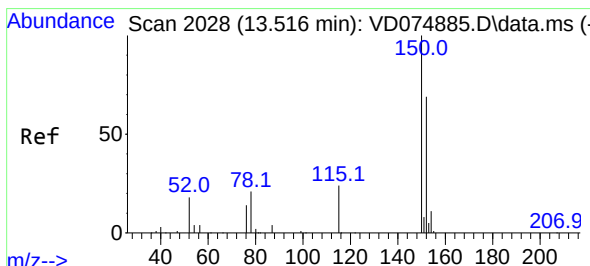
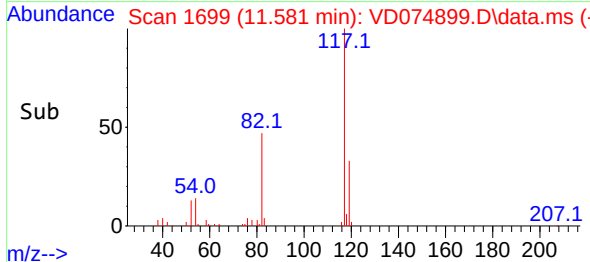
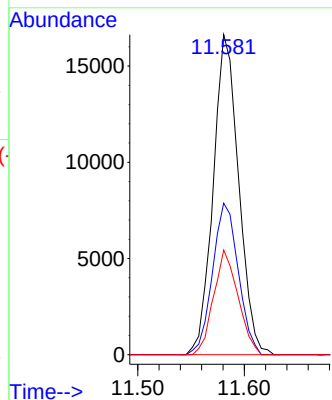
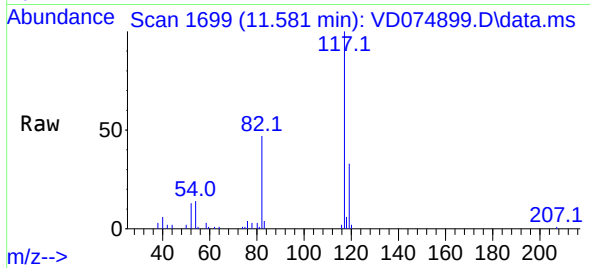




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

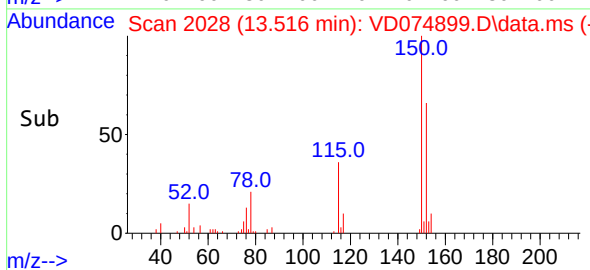
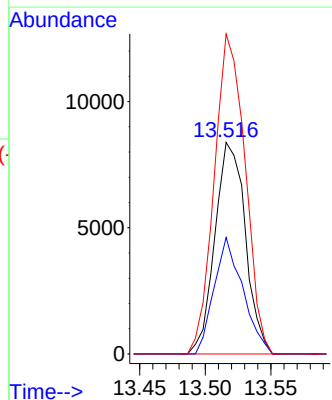
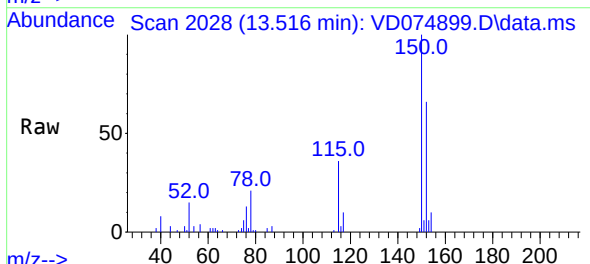
Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

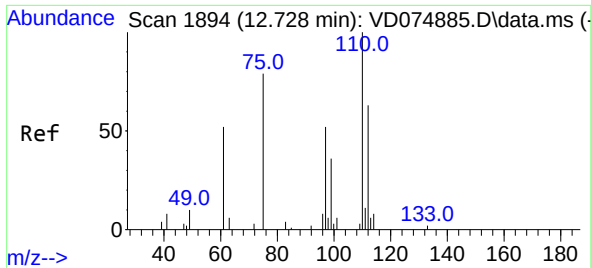
Tgt Ion:	117	Resp:	27628
Ion	Ratio	Lower	Upper
117	100		
82	47.4	41.6	62.4
119	32.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion:	152	Resp:	13536
Ion	Ratio	Lower	Upper
152	100		
115	52.0	26.8	80.4
150	153.3	0.0	348.2

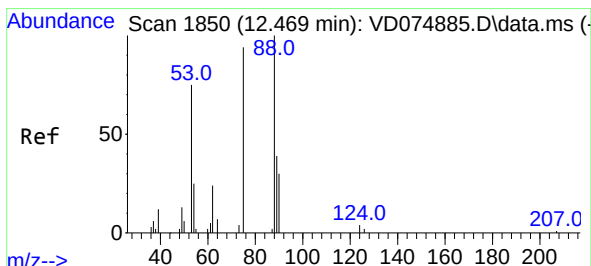
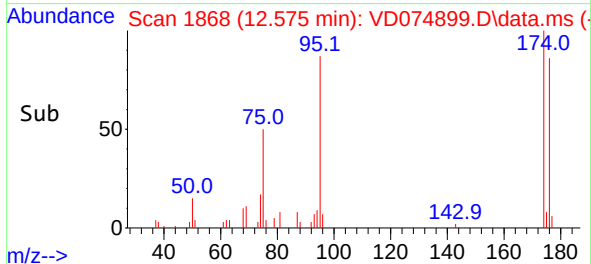
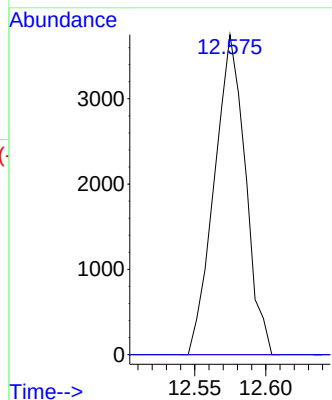
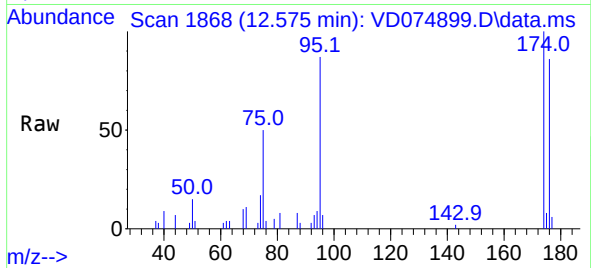




#76
1,2,3-Trichloropropane
Concen: 50.408 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Instrument :
MSVOA_D
ClientSampleId :
DUP03RE

Tgt Ion: 75 Resp: 5707
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.006 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074899.D
Acq: 11 Nov 2022 18:52

Tgt Ion: 75 Resp: 5707
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

