

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074898.D
 Acq On : 11 Nov 2022 18:24
 Operator : VA/SY
 Sample : N5531-04RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07RE

Quant Time: Nov 14 00:56:59 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)

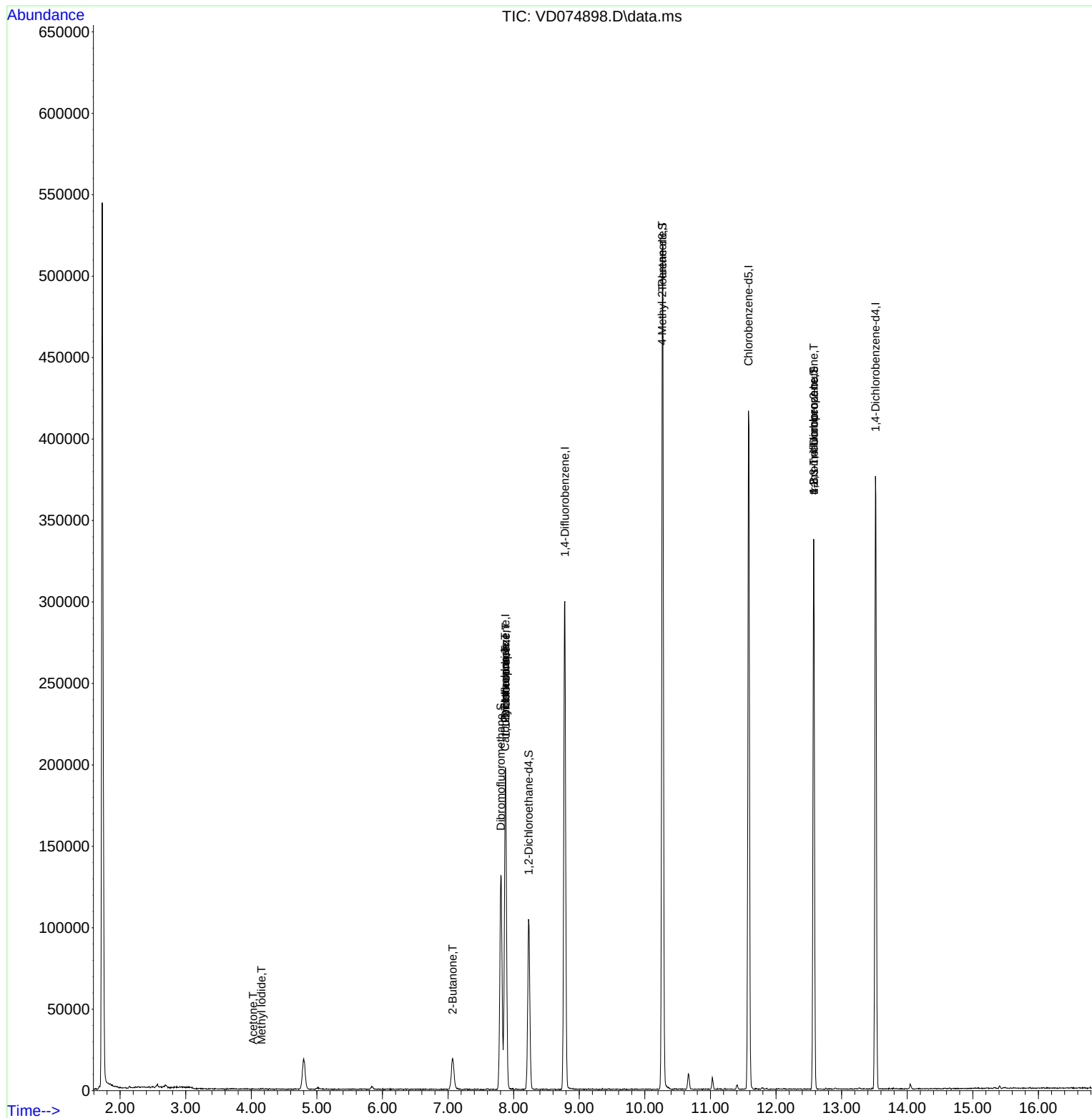
Internal Standards						
1) Pentafluorobenzene	7.875	168	159697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	285758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80677	79.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.060%			
35) Dibromofluoromethane	7.804	113	97272	55.221	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.440%			
50) Toluene-d8	10.269	98	373591	64.385	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 128.760%			
62) 4-Bromofluorobenzene	12.575	95	101216	56.807	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.620%			
Target Compounds						
3) Chloromethane	2.146	50	775	Below Cal		92
5) Bromomethane	2.699	94	1397	Below Cal		96
10) Methyl Iodide	4.158	142	717	5.104 ug/l #		43
11) Tert butyl alcohol	5.052	59	177	Below Cal #		84
16) Acetone	4.028	43	274	1.039 ug/l #		37
20) Methylene Chloride	4.805	84	15975	Below Cal		97
25) 2-Butanone	7.069	43	528	1.532 ug/l #		42
31) Cyclohexane	7.875	56	3198	1.374 ug/l #		18
36) 1,1-Dichloropropene	7.881	75	11053	4.269 ug/l #		47
38) Carbon Tetrachloride	7.869	117	15413	6.325 ug/l #		17
51) 4-Methyl-2-Pentanone	10.263	43	1092	1.497 ug/l #		1
76) 1,2,3-Trichloropropane	12.575	75	49840	54.339 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.575	75	49840	133.677 ug/l #		17

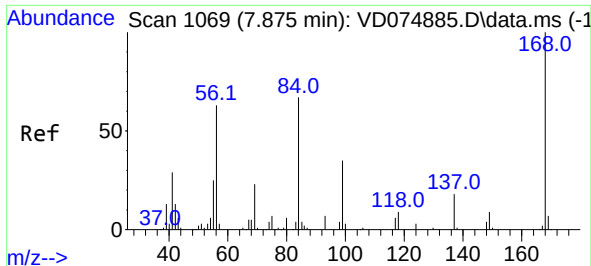
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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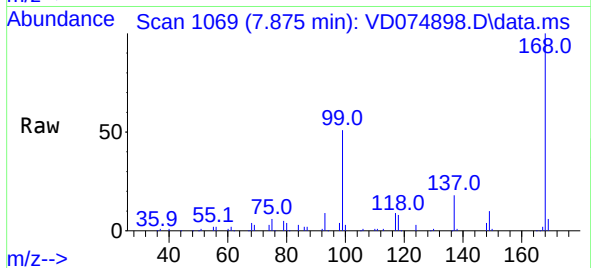
Quant Time: Nov 14 00:56:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
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QLast Update : Mon Nov 14 00:51:58 2022
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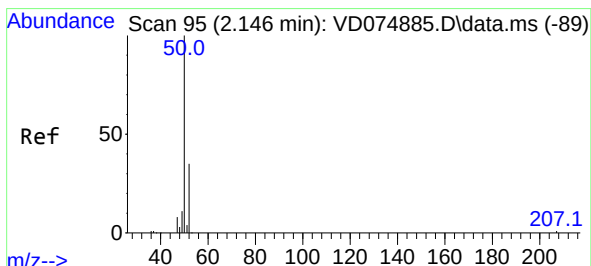
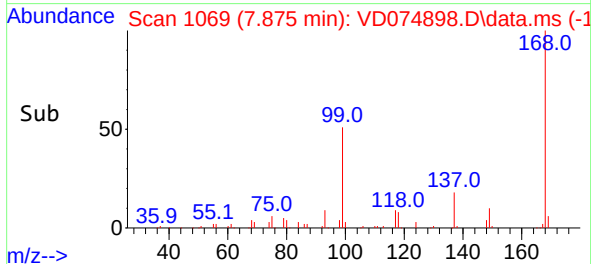
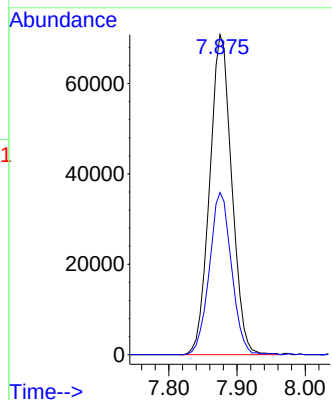


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

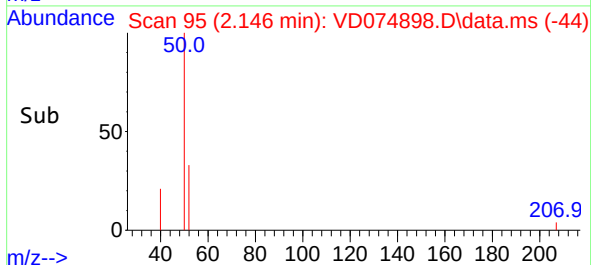
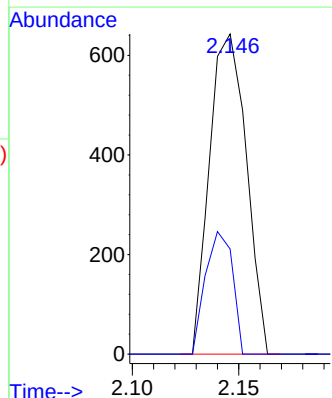
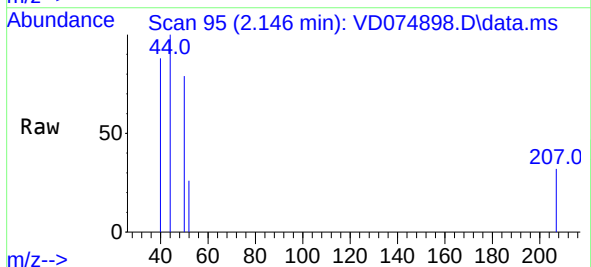


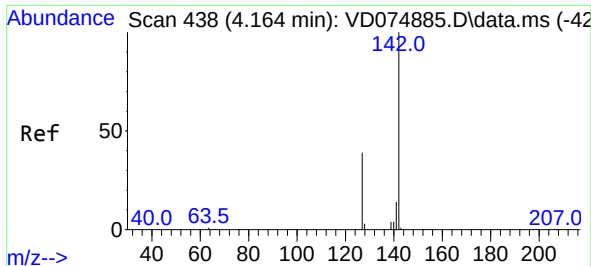
Tgt Ion:168 Resp: 159697
Ion Ratio Lower Upper
168 100
99 50.7 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Tgt Ion: 50 Resp: 775
Ion Ratio Lower Upper
50 100
52 32.8 30.0 45.0

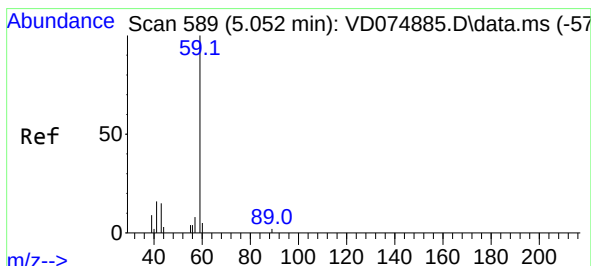
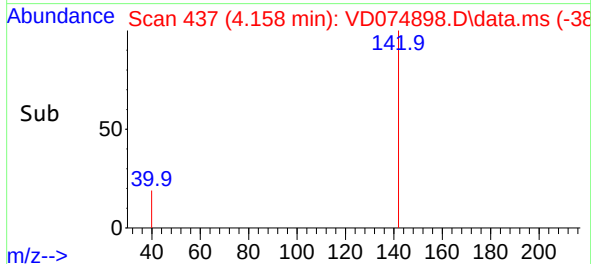
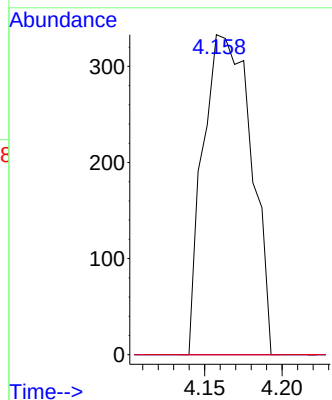
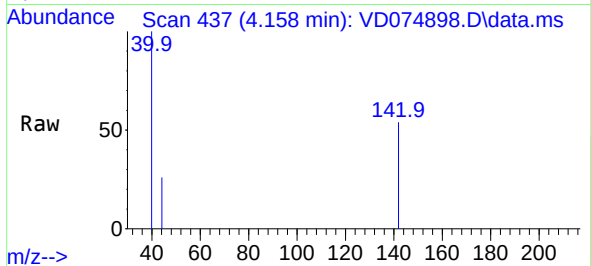




#10
Methyl Iodide
Concen: 5.104 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

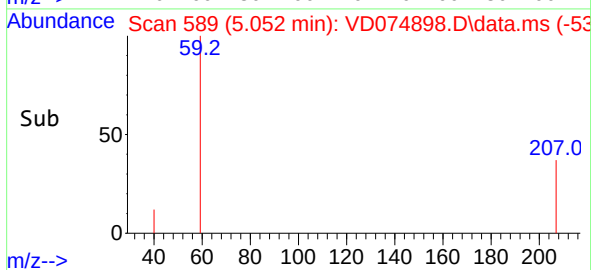
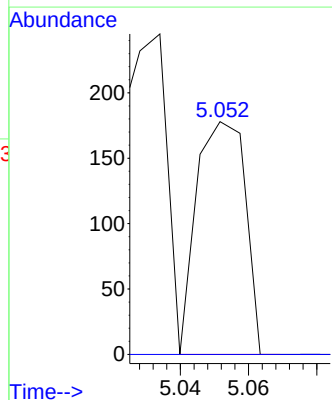
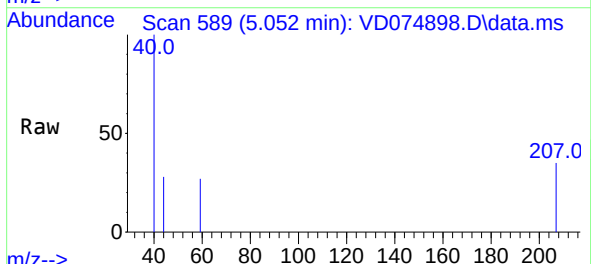
Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

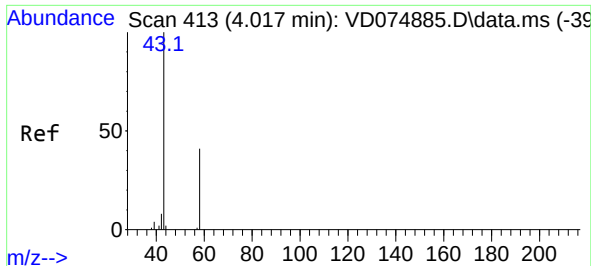
Tgt Ion:142 Resp: 717
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 589
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

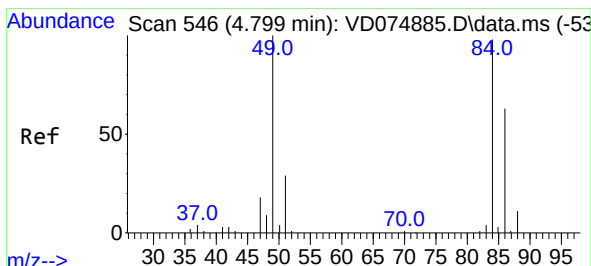
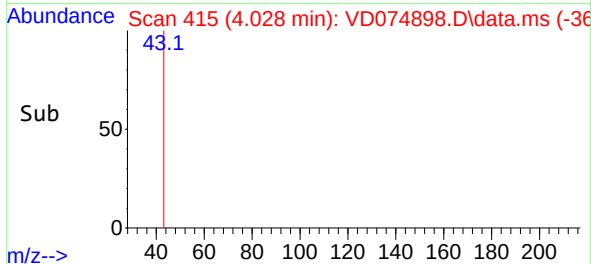
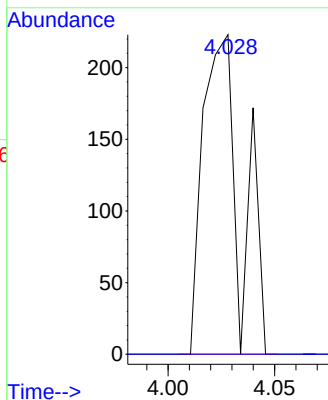
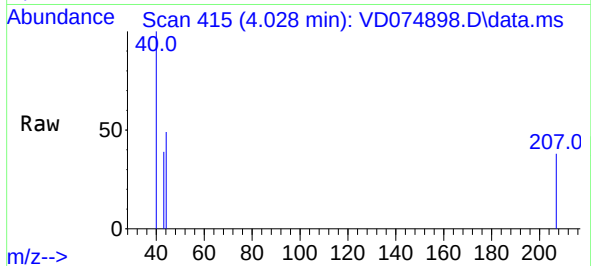




#16
Acetone
Concen: 1.039 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

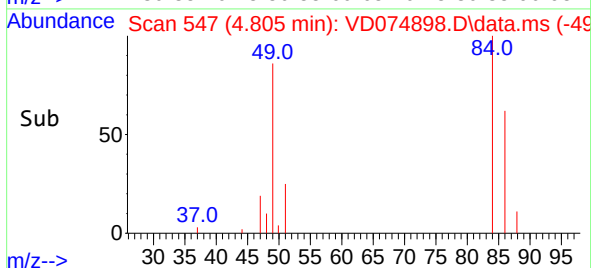
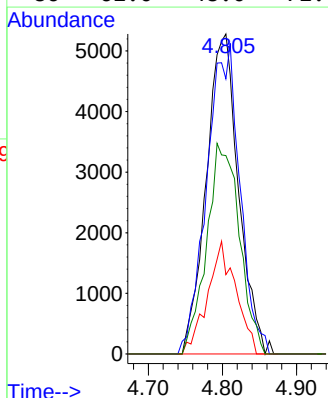
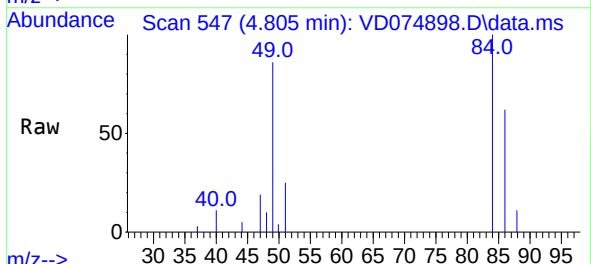
Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

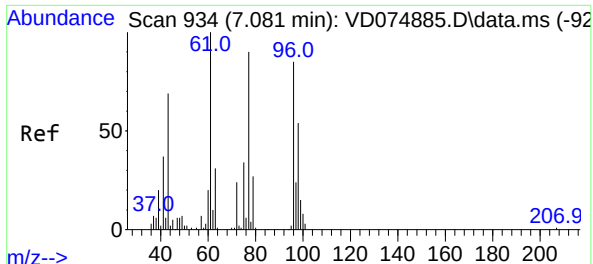
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Tgt Ion: 84 Resp: 15975
Ion Ratio Lower Upper
84 100
49 86.0 68.0 102.0
51 24.8 23.2 34.8
86 62.0 48.0 72.0





#25

2-Butanone

Concen: 1.532 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

Instrument :

MSVOA_D

ClientSampleId :

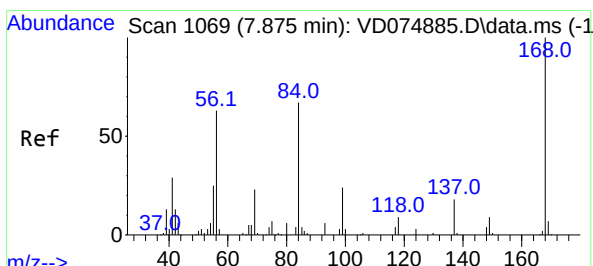
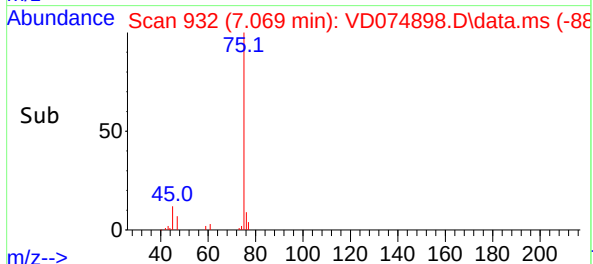
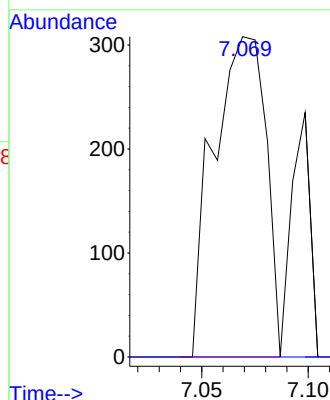
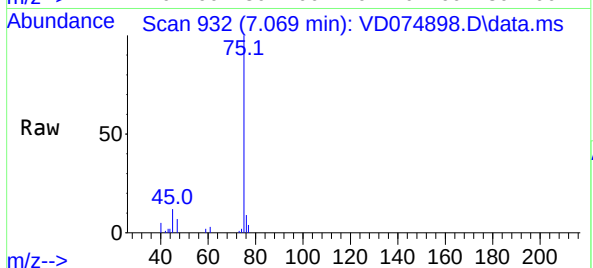
SB-07RE

Tgt Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

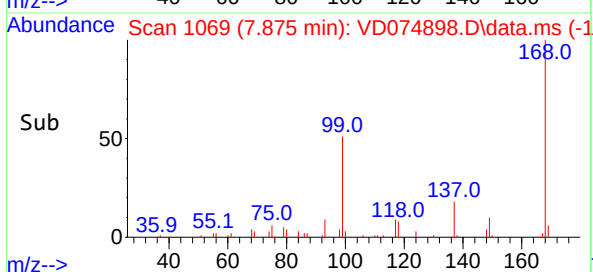
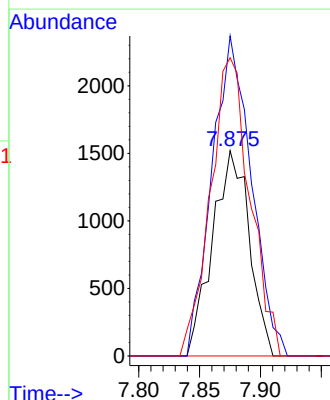
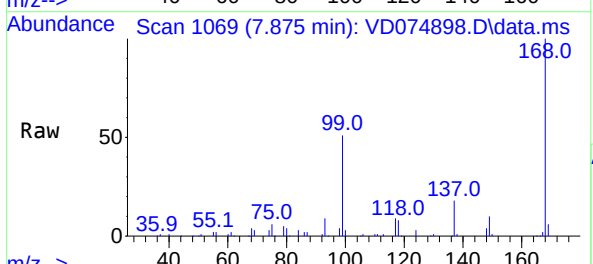
Tgt Ion: 56 Resp: 3198

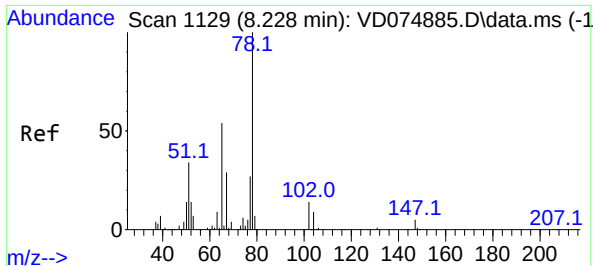
Ion Ratio Lower Upper

56 100

69 155.9 29.2 43.8#

84 145.3 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 79.529 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

Instrument :

MSVOA_D

ClientSampleId :

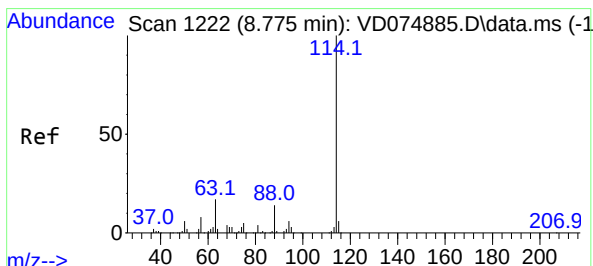
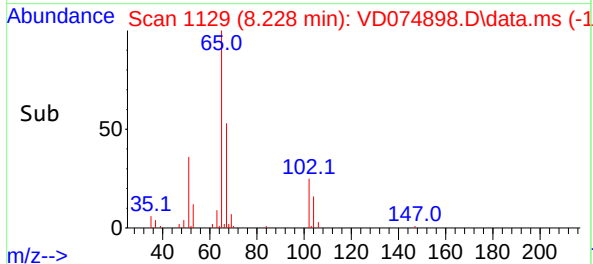
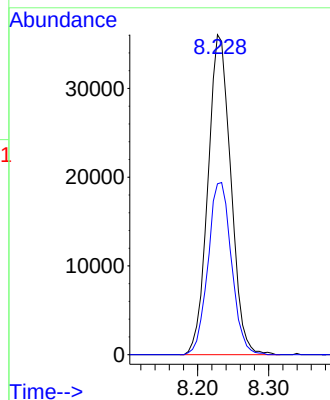
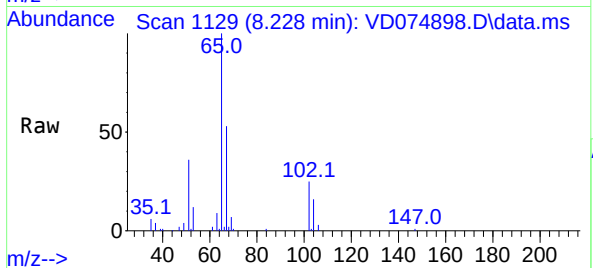
SB-07RE

Tgt Ion: 65 Resp: 80677

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

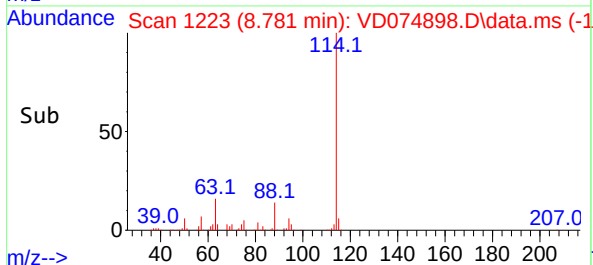
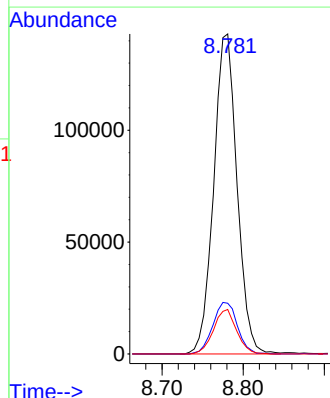
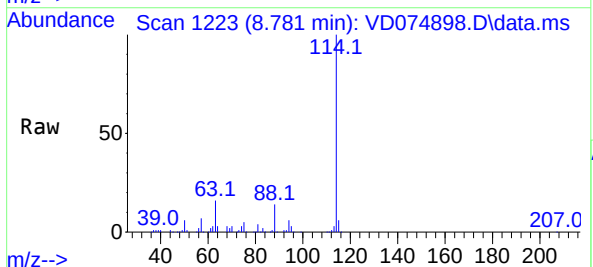
Tgt Ion: 114 Resp: 285758

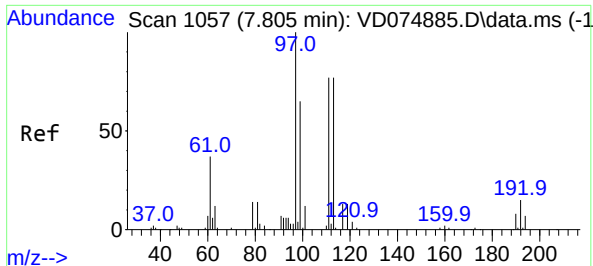
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 13.9 0.0 28.2





#35

Dibromofluoromethane

Concen: 55.221 ug/l

RT: 7.804 min Scan# 1070

Delta R.T. -0.001 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

Instrument :

MSVOA_D

ClientSampleId :

SB-07RE

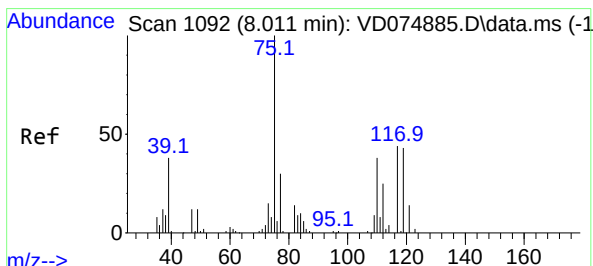
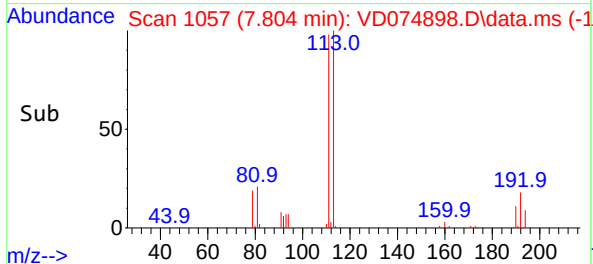
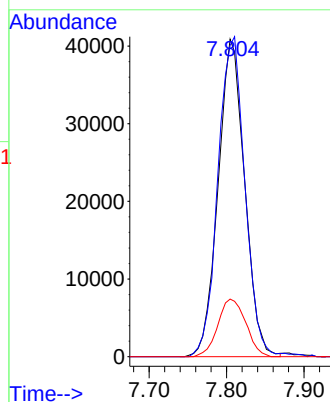
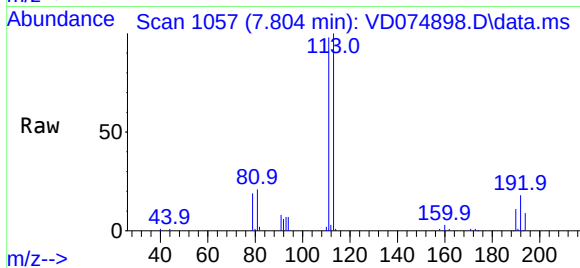
Tgt Ion:113 Resp: 97272

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 19.2 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.269 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074898.D

Acq: 11 Nov 2022 18:24

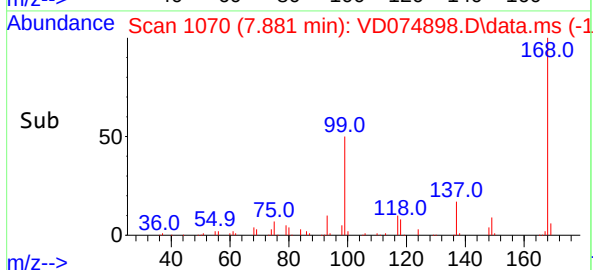
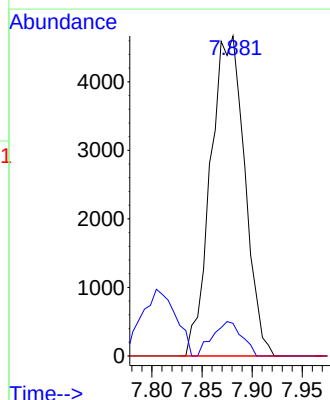
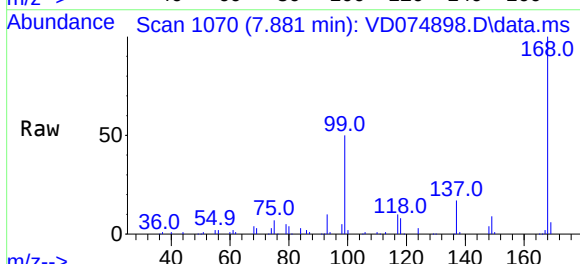
Tgt Ion: 75 Resp: 11053

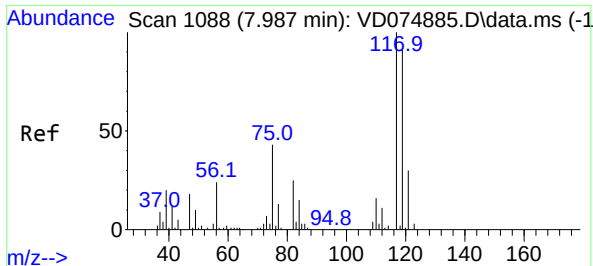
Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.0#

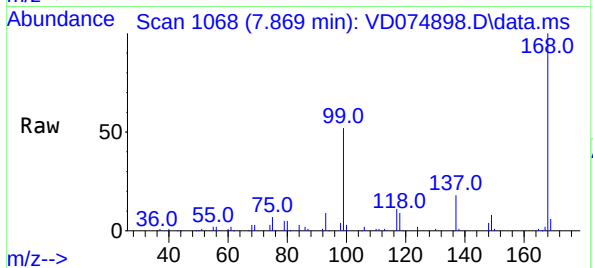
77 0.0 25.4 38.2#



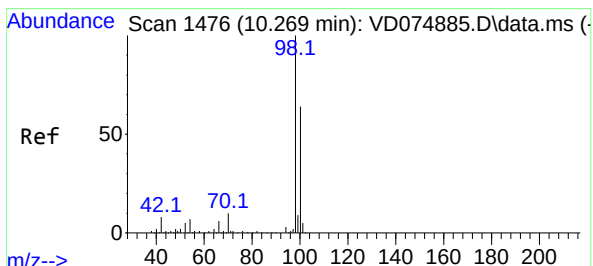
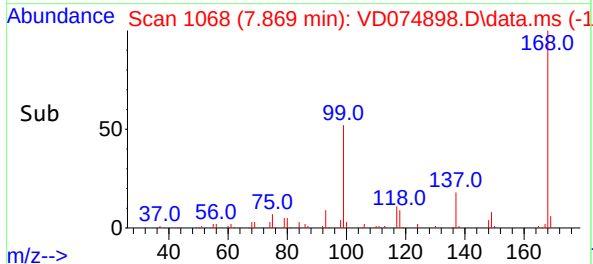
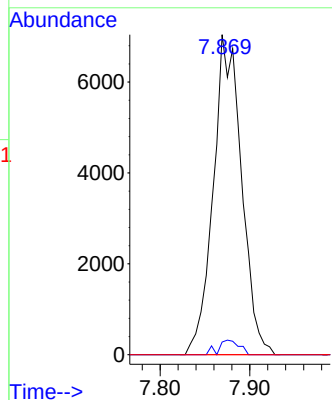


#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

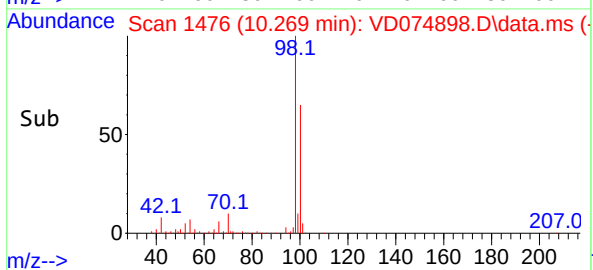
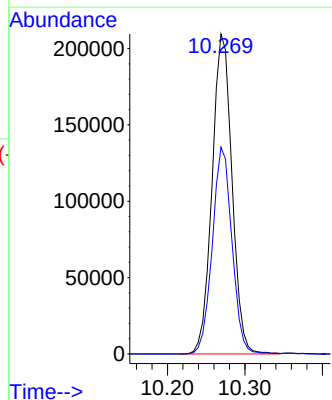
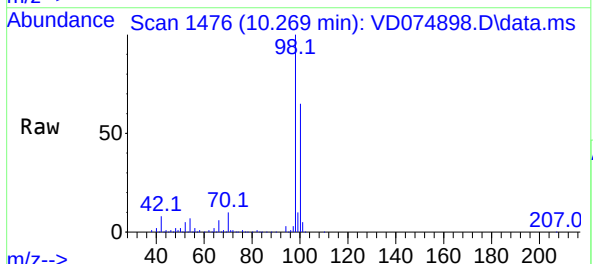


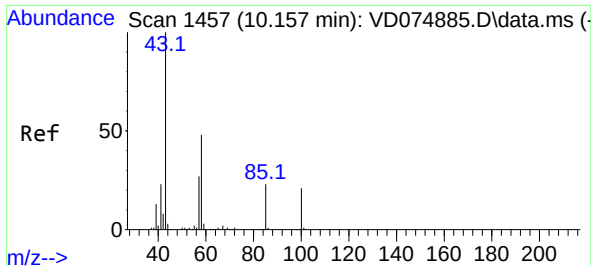
Tgt Ion:117 Resp: 15413
Ion Ratio Lower Upper
117 100
119 3.9 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 64.385 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Tgt Ion: 98 Resp: 373591
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0

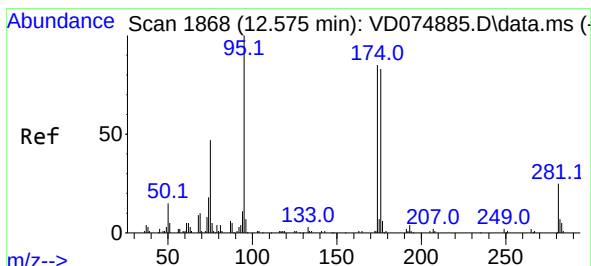
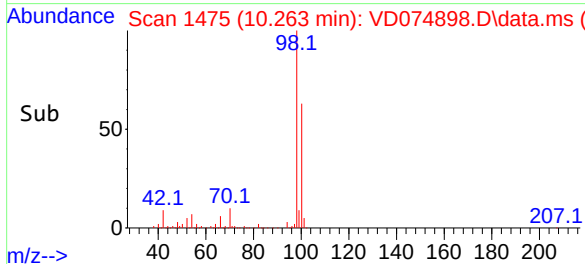
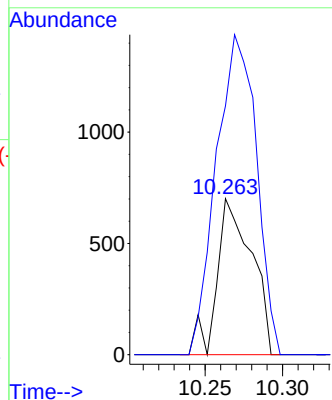
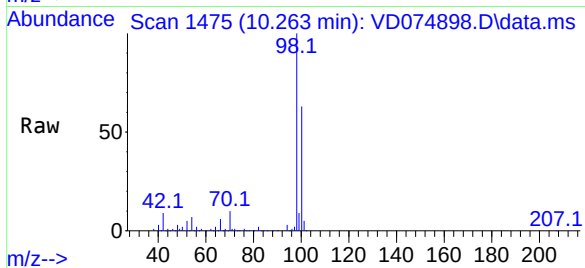




#51
4-Methyl-2-Pentanone
Concen: 1.497 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

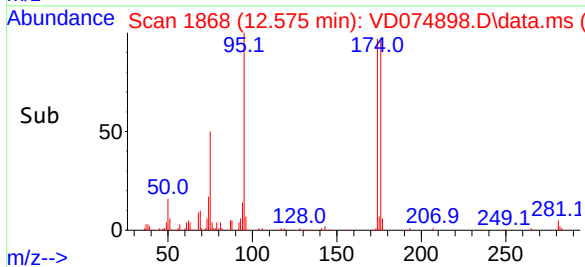
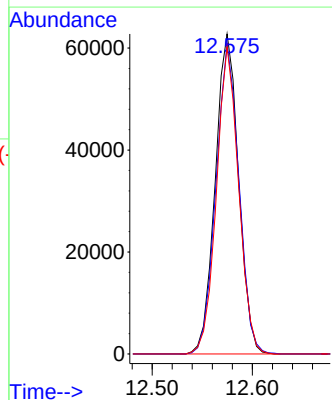
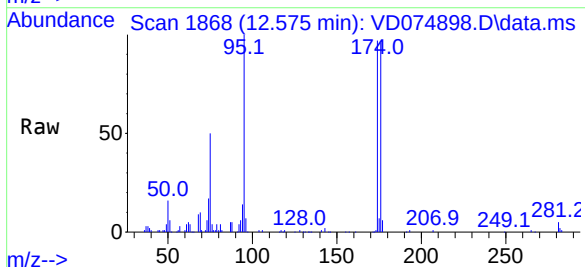
Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

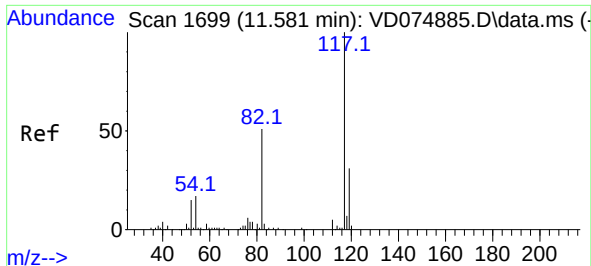
Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
58 237.6 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 56.807 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

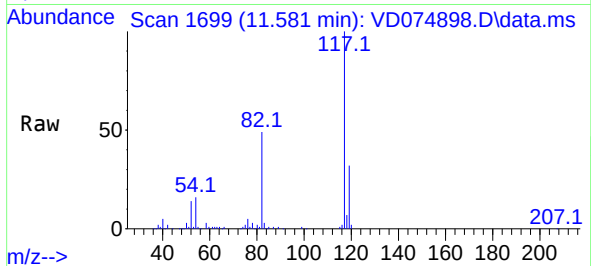
Tgt Ion: 95 Resp: 101216
Ion Ratio Lower Upper
95 100
174 95.4 0.0 197.0
176 91.3 0.0 182.6





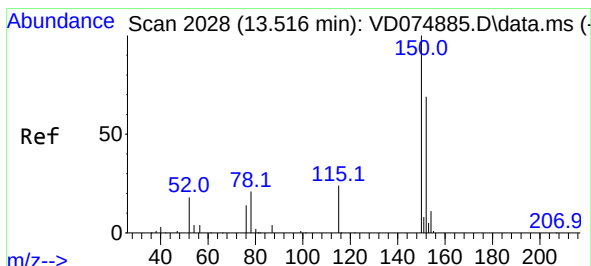
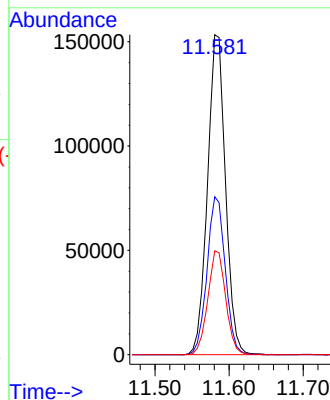
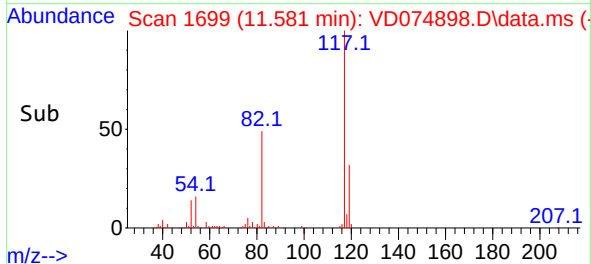
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

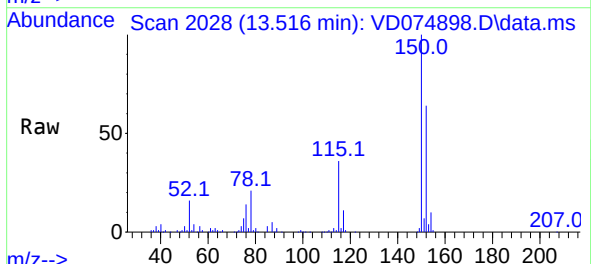


Tgt Ion:117 Resp: 258252

Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.6	62.4
119	32.4	25.2	37.8

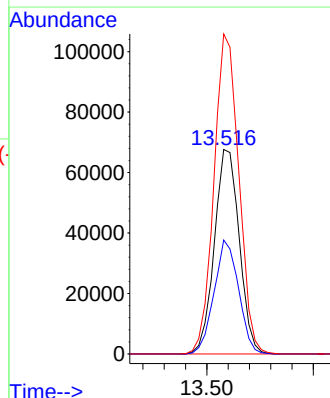
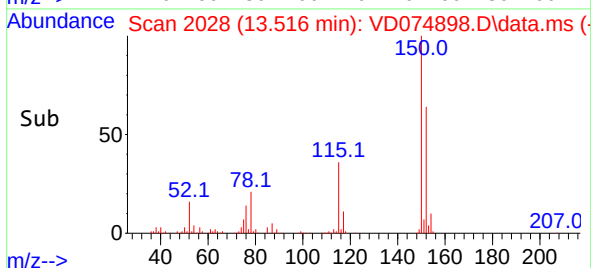


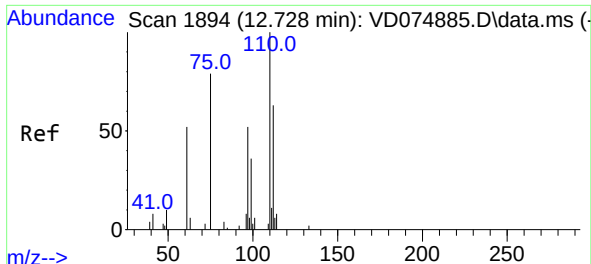
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24



Tgt Ion:152 Resp: 109660

Ion	Ratio	Lower	Upper
152	100		
115	54.9	26.8	80.4
150	156.3	0.0	348.2

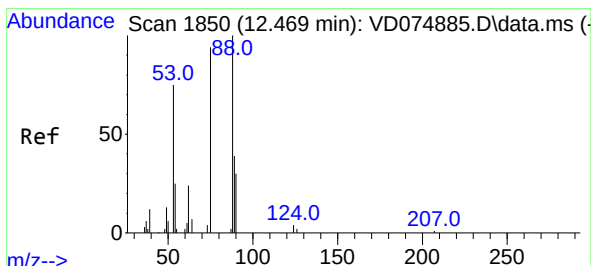
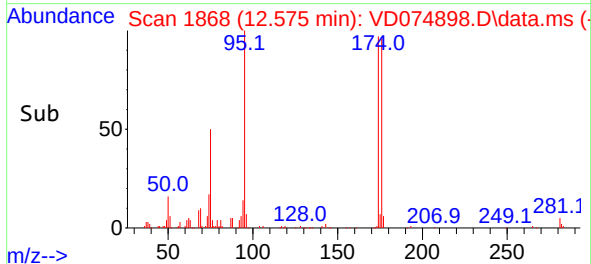
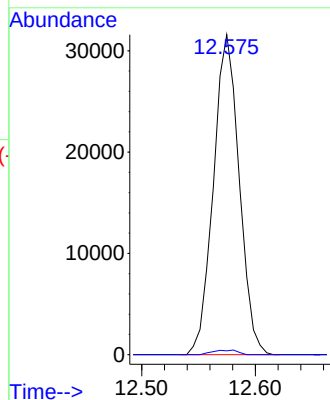
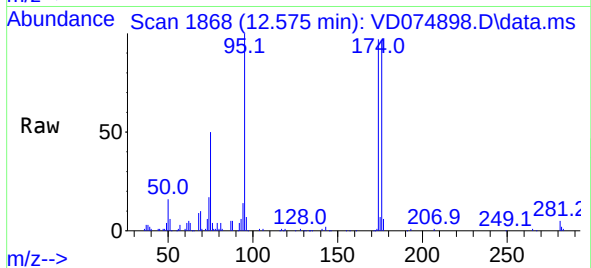




#76
1,2,3-Trichloropropane
Concen: 54.339 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Instrument :
MSVOA_D
ClientSampleId :
SB-07RE

Tgt Ion: 75 Resp: 49840
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.677 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074898.D
Acq: 11 Nov 2022 18:24

Tgt Ion: 75 Resp: 49840
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

