

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074949.D
 Acq On : 16 Nov 2022 15:25
 Operator : VA/SY
 Sample : N5642-04
 Misc : 7.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RIGHT-SIDE-FLATS-24

Quant Time: Nov 17 00:21:12 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)

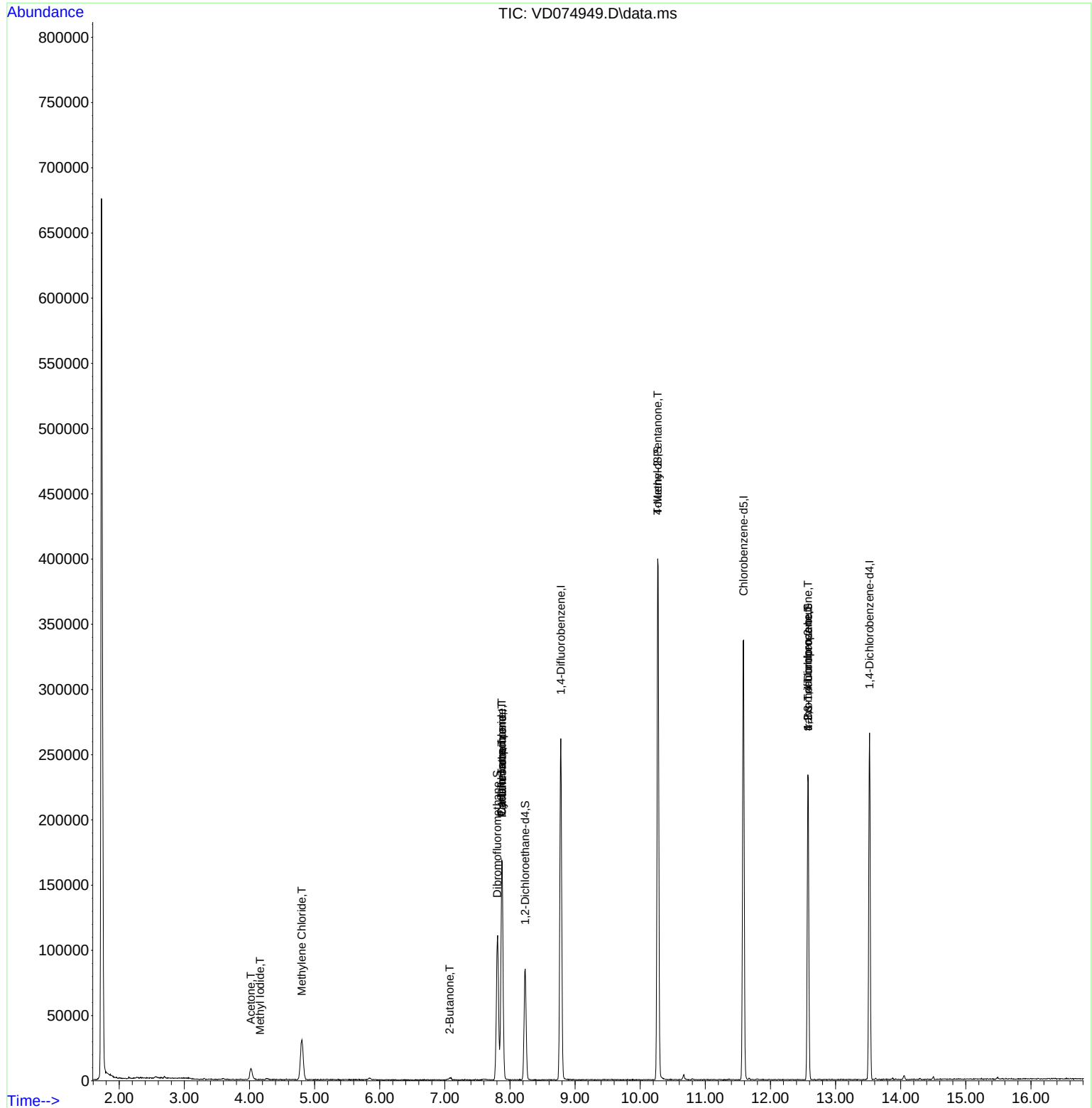
Internal Standards						
1) Pentafluorobenzene	7.881	168	137159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	250971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	217017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	76733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65852	75.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.500%
35) Dibromofluoromethane	7.805	113	81757	52.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.700%
50) Toluene-d8	10.269	98	296187	58.120	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.240%
62) 4-Bromofluorobenzene	12.575	95	72520	46.343	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	424	Below Cal		93
5) Bromomethane	2.705	94	548	Below Cal		85
10) Methyl Iodide	4.164	142	71	4.808	ug/l #	43
16) Acetone	4.022	43	14874	65.690	ug/l	95
18) Methyl Acetate	4.564	43	203	Below Cal	#	44
20) Methylene Chloride	4.805	84	27035	1.100	ug/l	96
25) 2-Butanone	7.075	43	1460	4.931	ug/l #	42
31) Cyclohexane	7.875	56	2474	1.237	ug/l #	16
36) 1,1-Dichloropropene	7.875	75	10379	4.565	ug/l #	45
38) Carbon Tetrachloride	7.875	117	13066	6.105	ug/l #	20
51) 4-Methyl-2-Pentanone	10.269	43	948	1.480	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	36571	56.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	36571	140.178	ug/l #	17

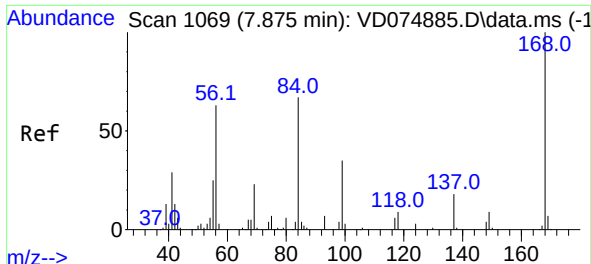
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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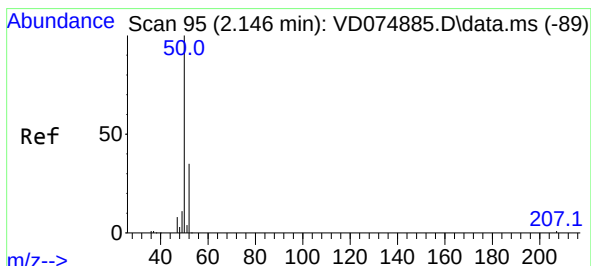
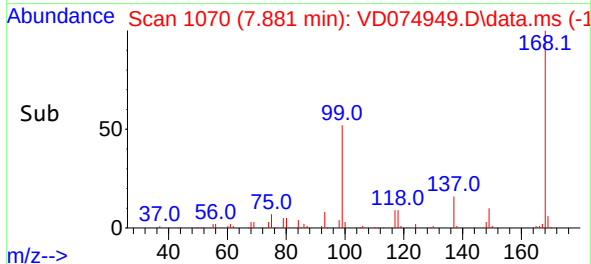
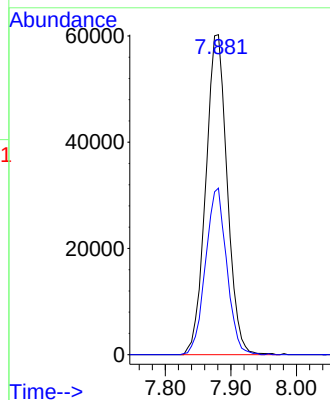
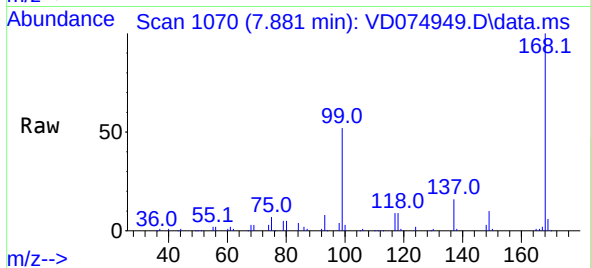




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

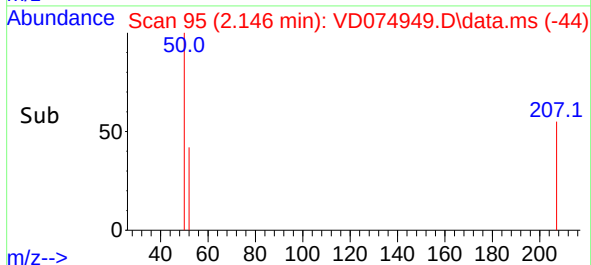
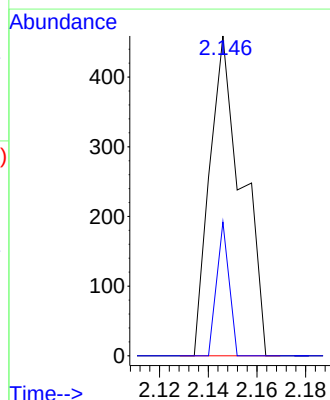
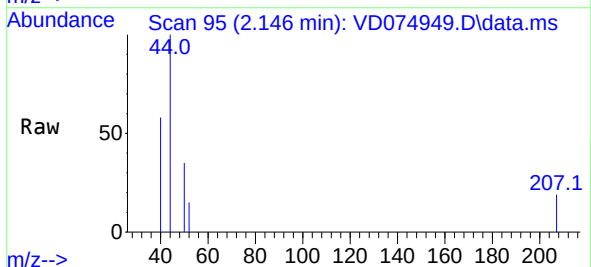
Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

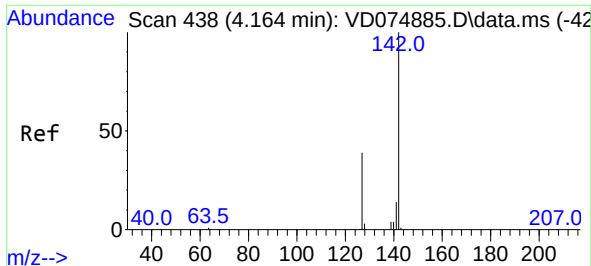
Tgt Ion:168 Resp: 137159
Ion Ratio Lower Upper
168 100
99 52.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 41.8 30.0 45.0

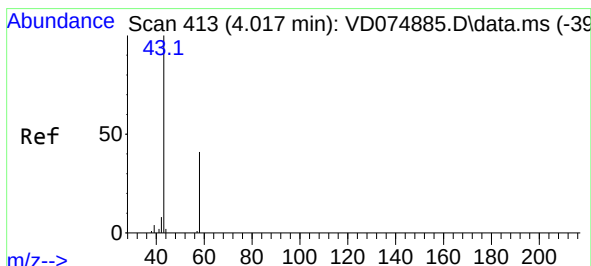
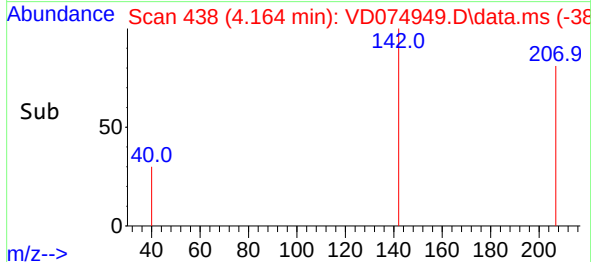
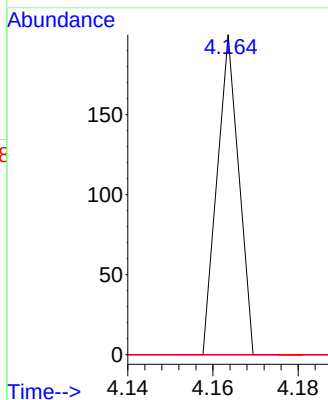
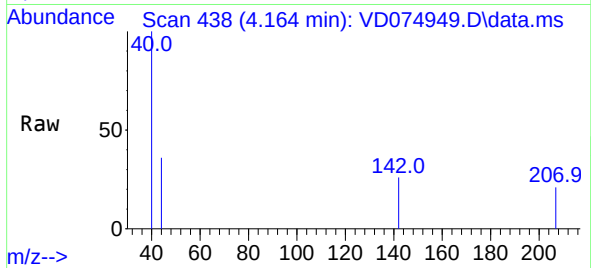




#10
Methyl Iodide
Concen: 4.808 ug/l
RT: 4.164 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

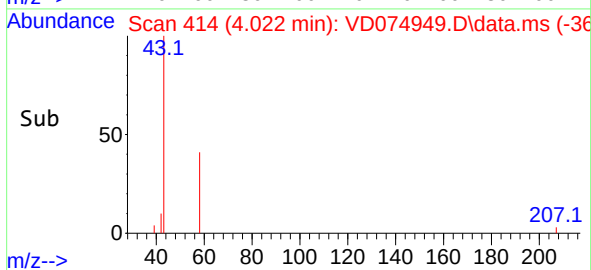
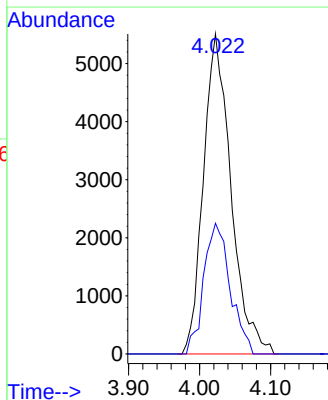
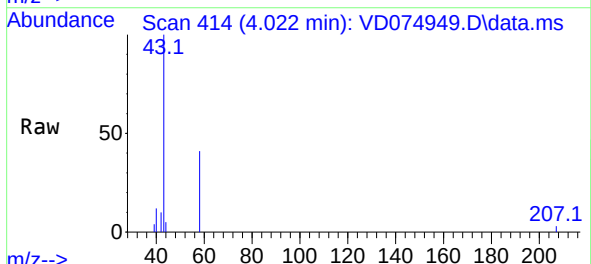
Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

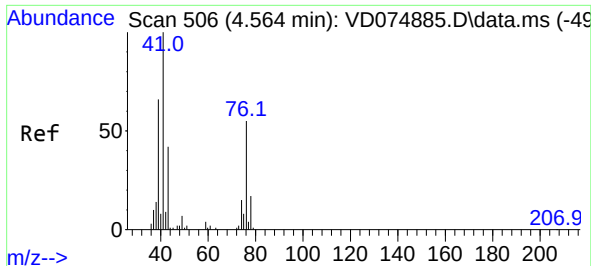
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 65.690 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 43 Resp: 14874
Ion Ratio Lower Upper
43 100
58 40.9 30.2 45.2

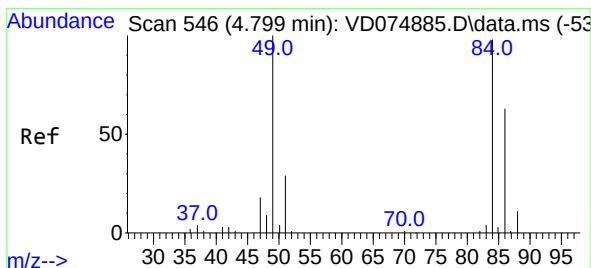
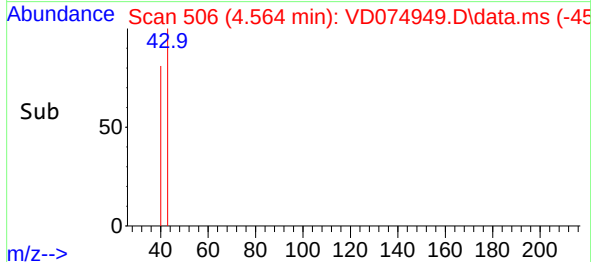
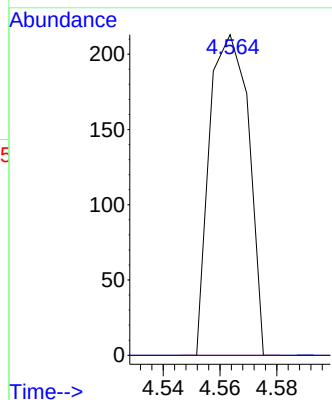
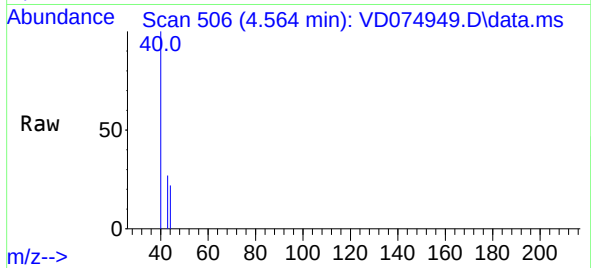




#18
Methyl Acetate
Concen: Below Cal
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

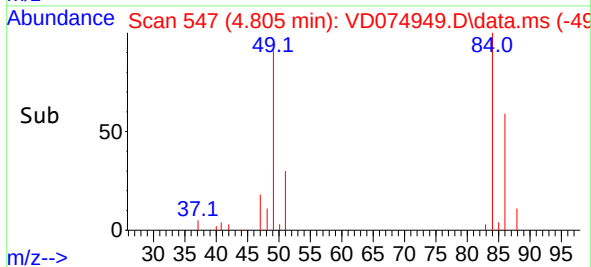
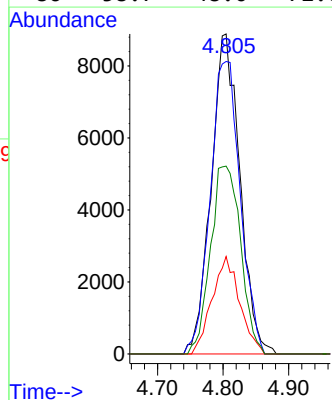
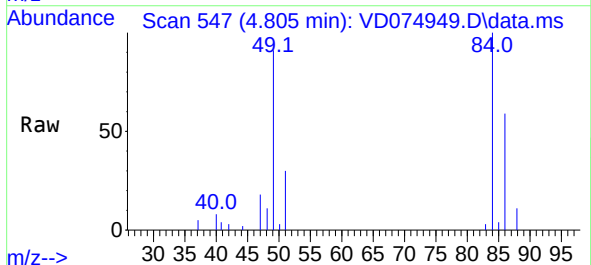
Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

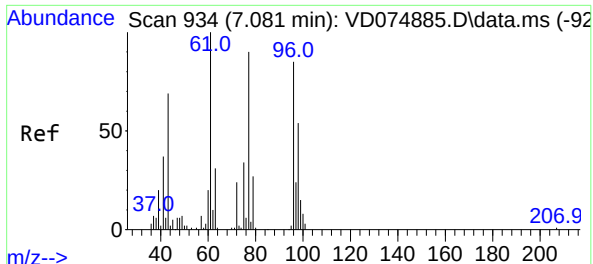
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#20
Methylene Chloride
Concen: 1.100 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 84 Resp: 27035
Ion Ratio Lower Upper
84 100
49 91.4 68.0 102.0
51 30.4 23.2 34.8
86 58.7 48.0 72.0





#25

2-Butanone

Concen: 4.931 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

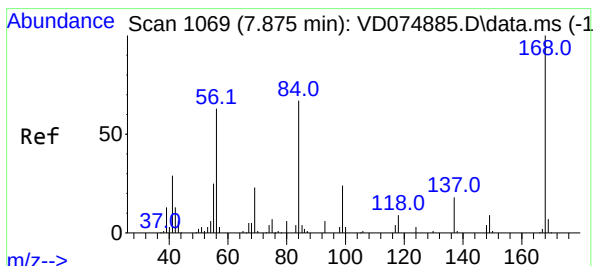
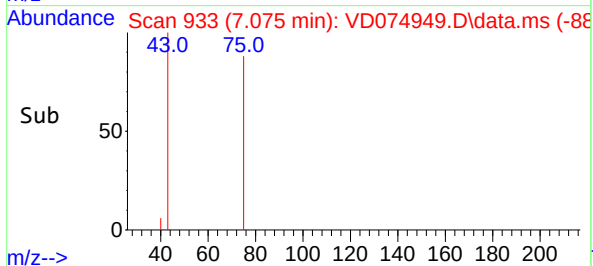
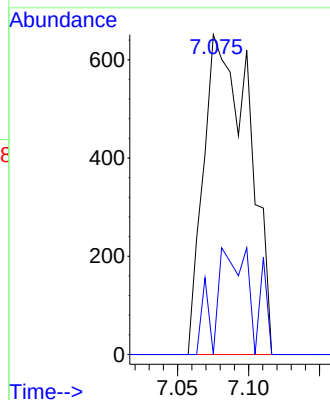
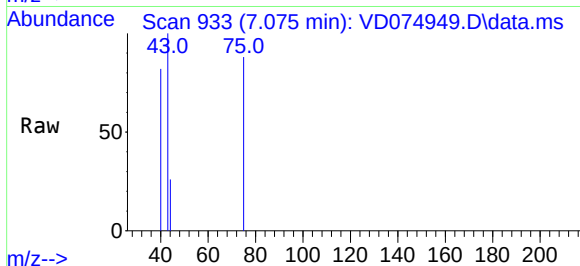
RIGHT-SIDE-FLATS-24

Tgt Ion: 43 Resp: 1460

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

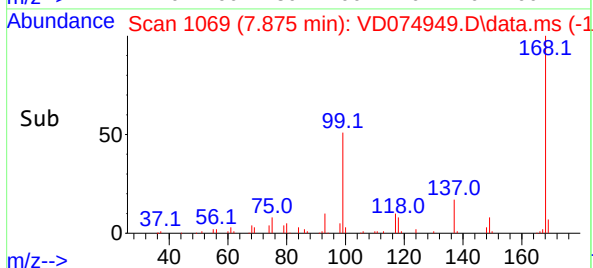
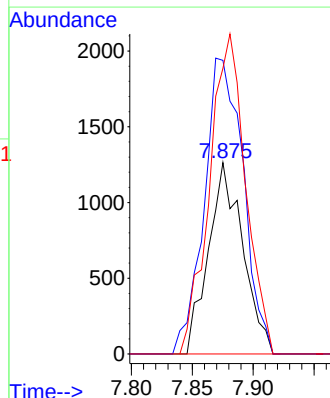
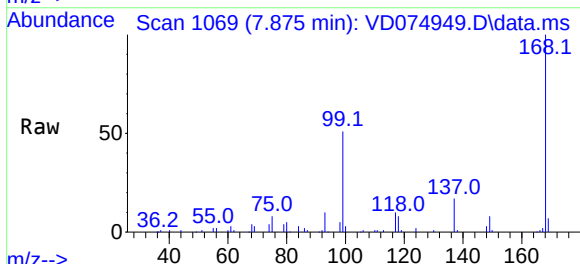
Tgt Ion: 56 Resp: 2474

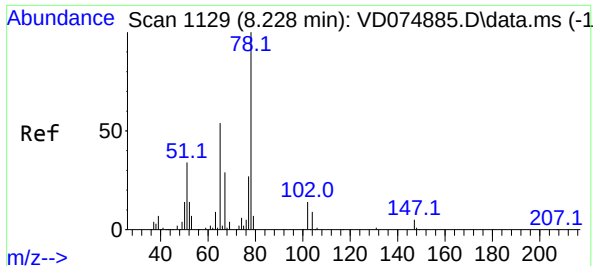
Ion Ratio Lower Upper

56 100

69 153.4 29.2 43.8#

84 149.2 83.4 125.2#

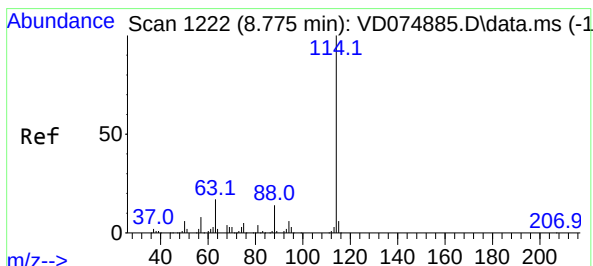
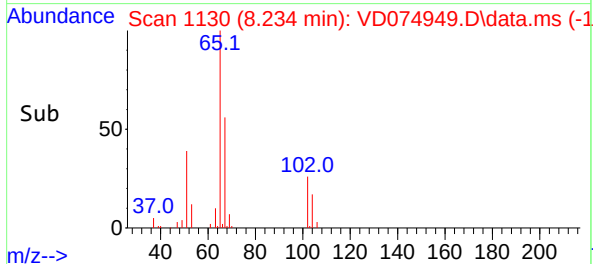
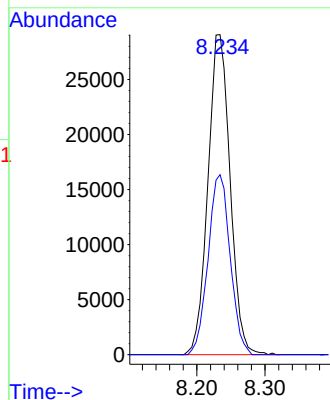
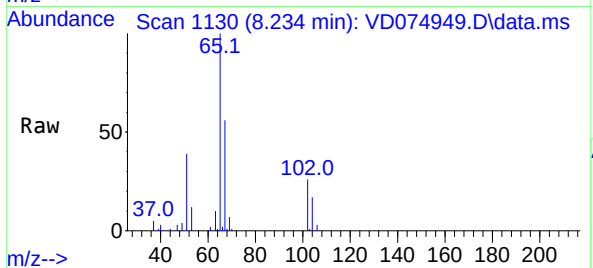




#33
1,2-Dichloroethane-d4
Concen: 75.248 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

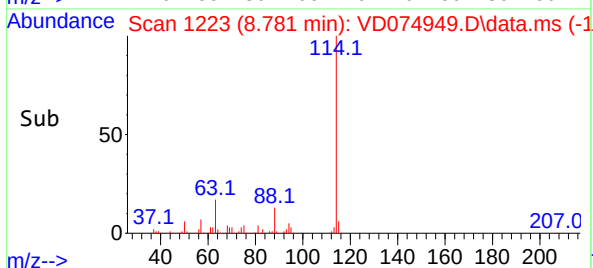
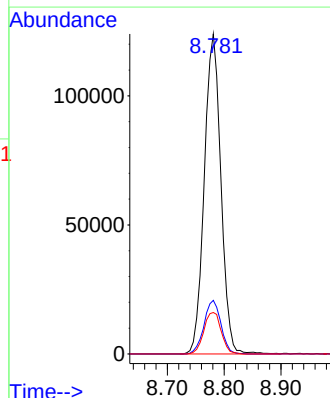
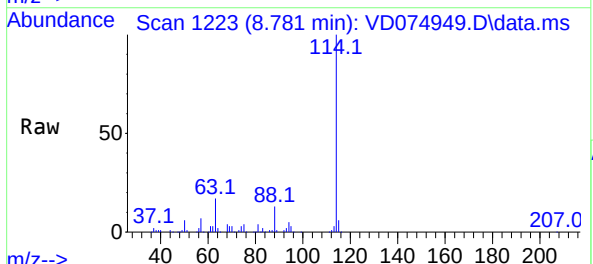
Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

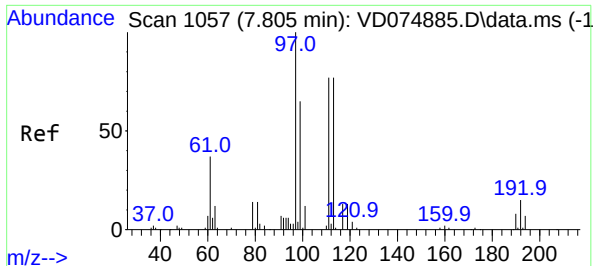
Tgt Ion: 65 Resp: 65852
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 114 Resp: 250971
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.2
88 13.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 52.847 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

RIGHT-SIDE-FLATS-24

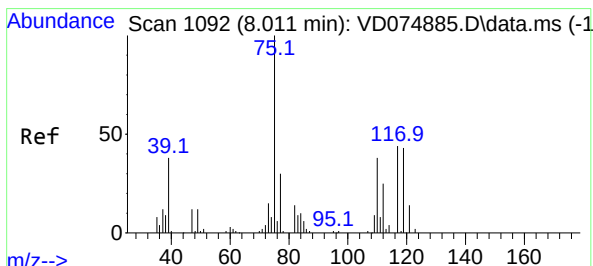
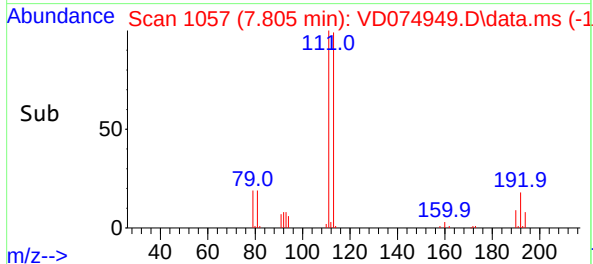
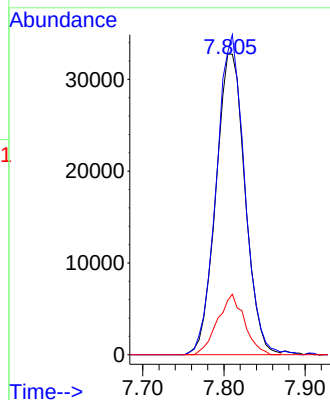
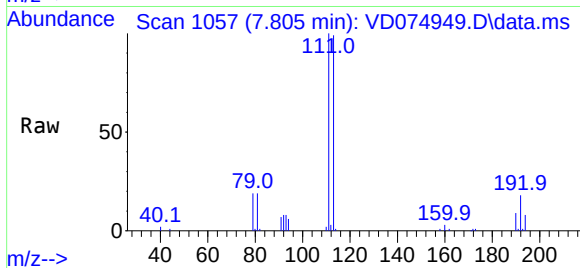
Tgt Ion:113 Resp: 81757

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 18.5 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.565 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

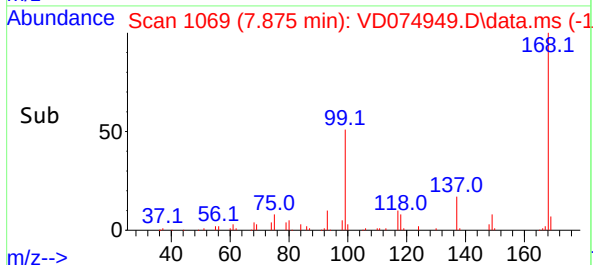
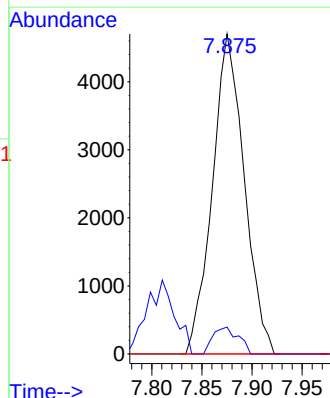
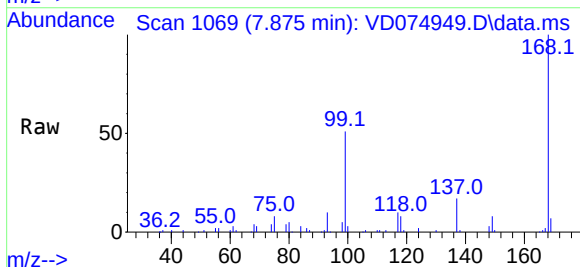
Tgt Ion: 75 Resp: 10379

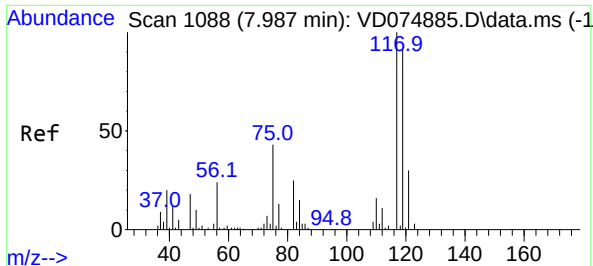
Ion Ratio Lower Upper

75 100

110 6.7 19.7 59.0#

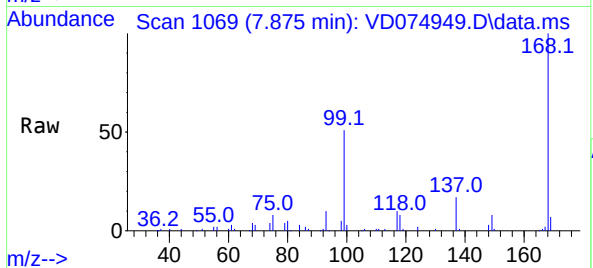
77 0.0 25.4 38.2#



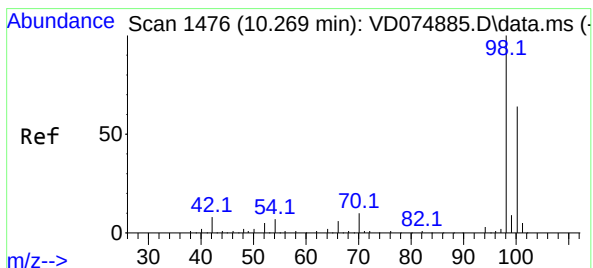
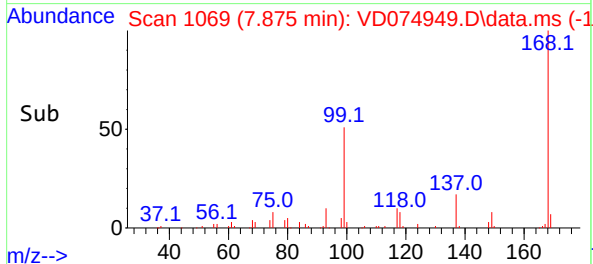
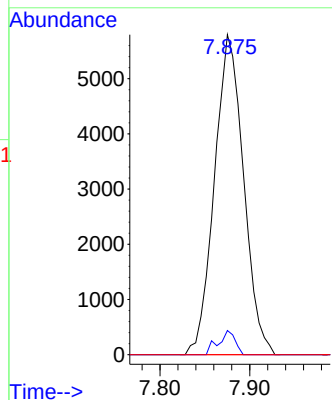


#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

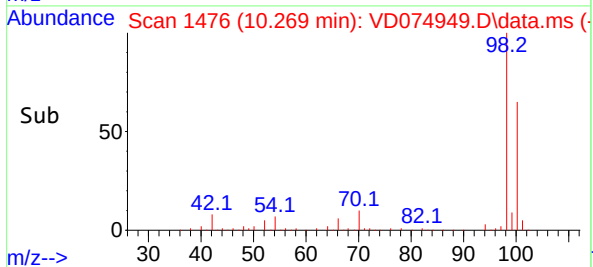
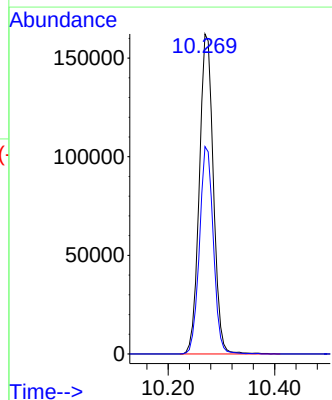
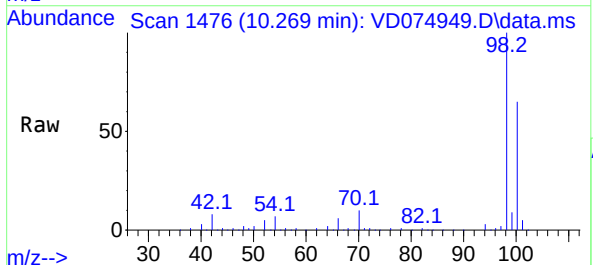


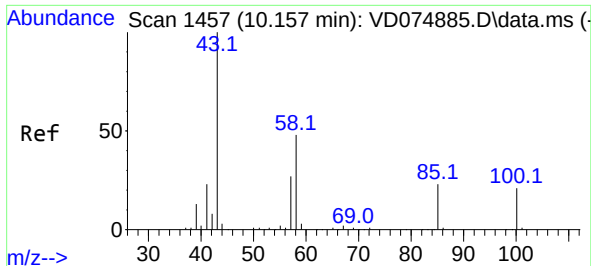
Tgt Ion:117 Resp: 13066
Ion Ratio Lower Upper
117 100
119 7.6 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 58.120 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 98 Resp: 296187
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.480 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

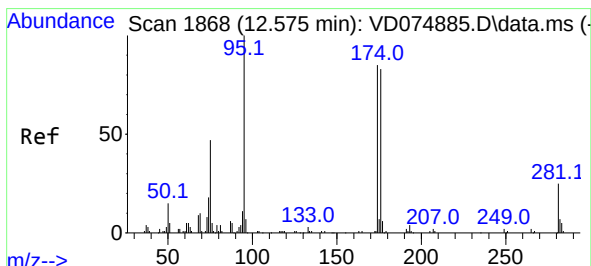
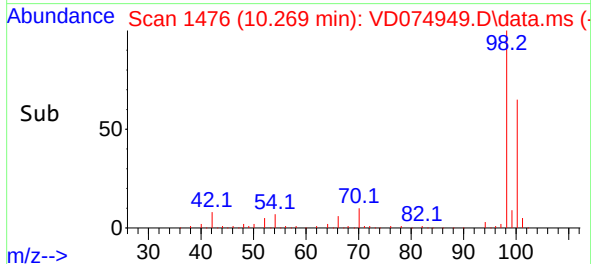
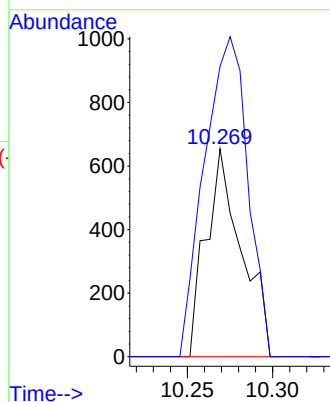
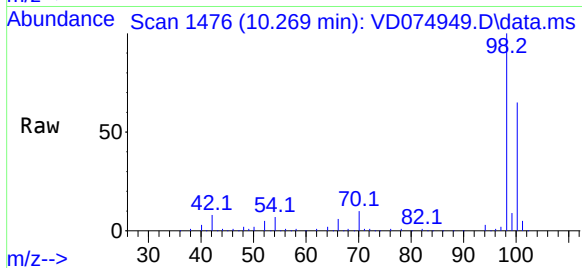
RIGHT-SIDE-FLATS-24

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

58 188.1 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 46.343 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074949.D

Acq: 16 Nov 2022 15:25

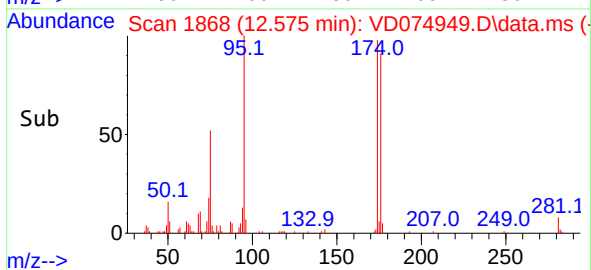
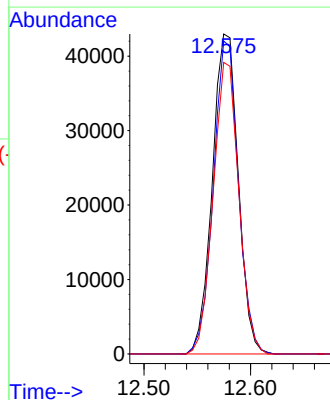
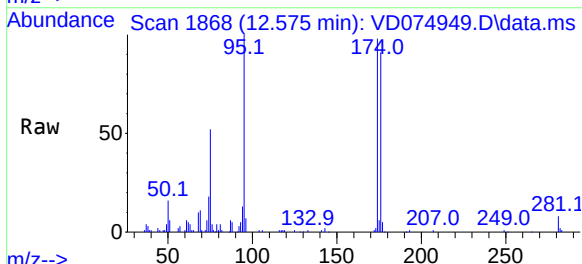
Tgt Ion: 95 Resp: 72520

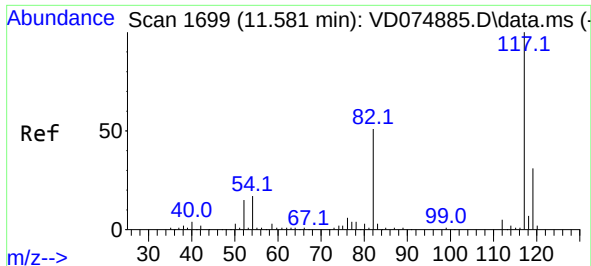
Ion Ratio Lower Upper

95 100

174 94.7 0.0 197.0

176 90.0 0.0 182.6



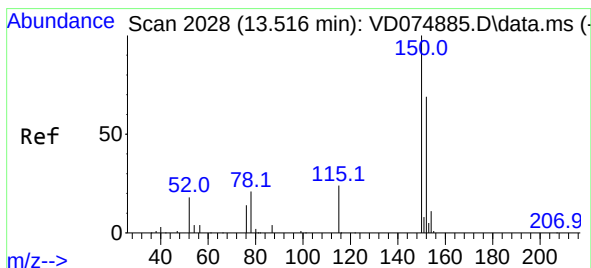
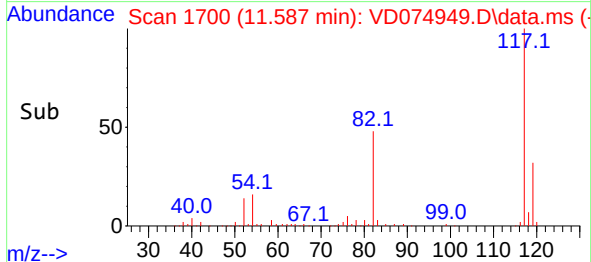
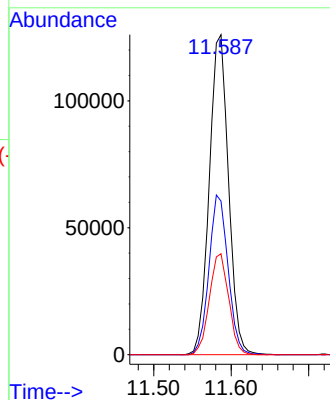
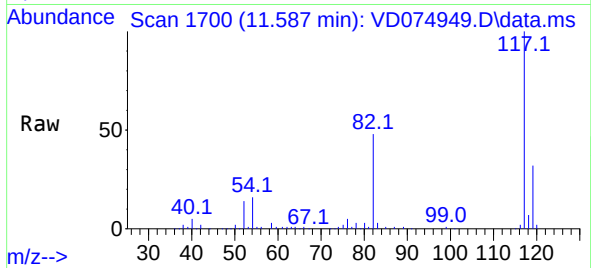


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

Tgt Ion:117 Resp: 217017

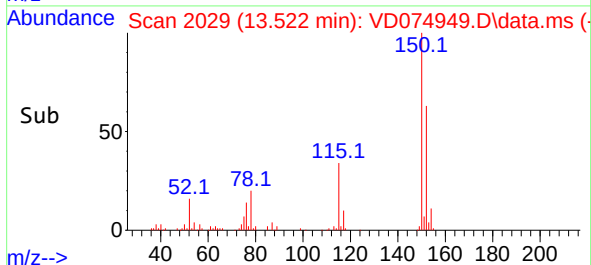
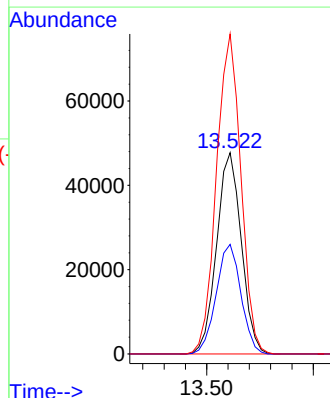
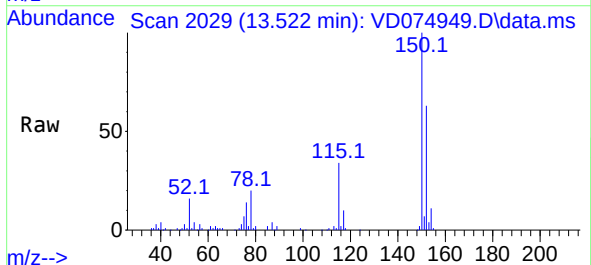
Ion	Ratio	Lower	Upper
117	100		
82	48.0	41.6	62.4
119	31.6	25.2	37.8

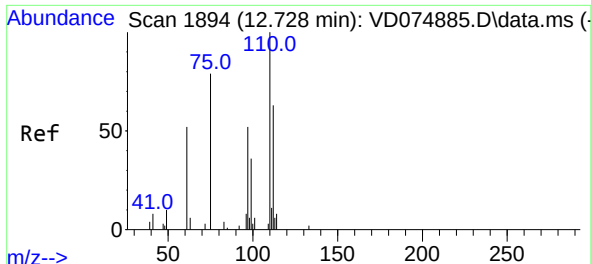


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion:152 Resp: 76733

Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.8	80.4
150	157.4	0.0	348.2

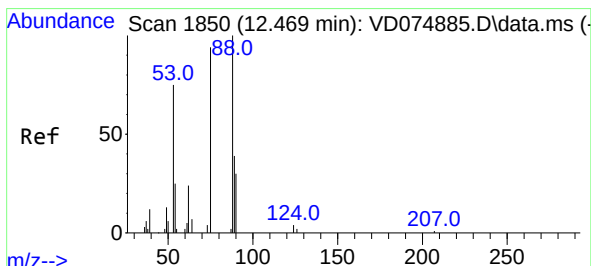
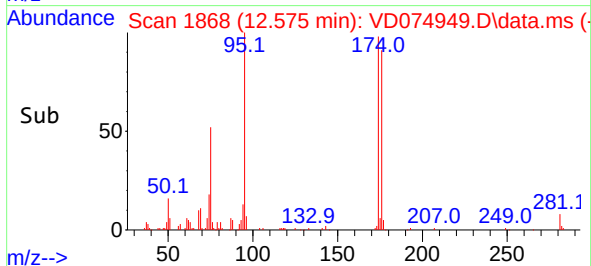
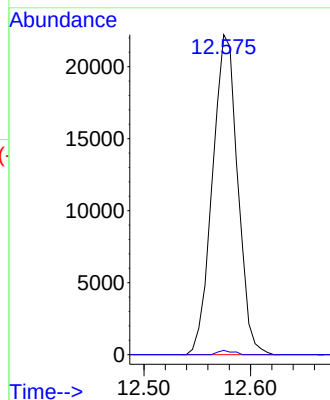
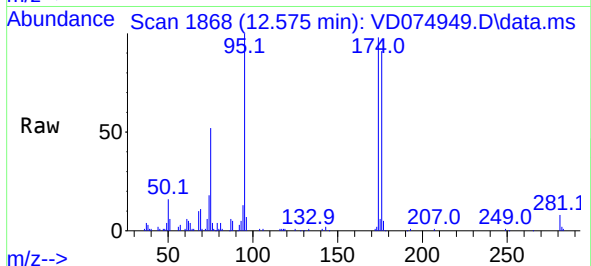




#76
1,2,3-Trichloropropane
Concen: 56.982 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Instrument :
MSVOA_D
ClientSampleId :
RIGHT-SIDE-FLATS-24

Tgt Ion: 75 Resp: 36571
Ion Ratio Lower Upper
75 100
77 0.8 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.178 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074949.D
Acq: 16 Nov 2022 15:25

Tgt Ion: 75 Resp: 36571
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

