

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074958.D
 Acq On : 16 Nov 2022 19:31
 Operator : VA/SY
 Sample : N5642-13
 Misc : 6.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LEFT-SIDE-FLATS-33

Quant Time: Nov 17 00:22:21 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)

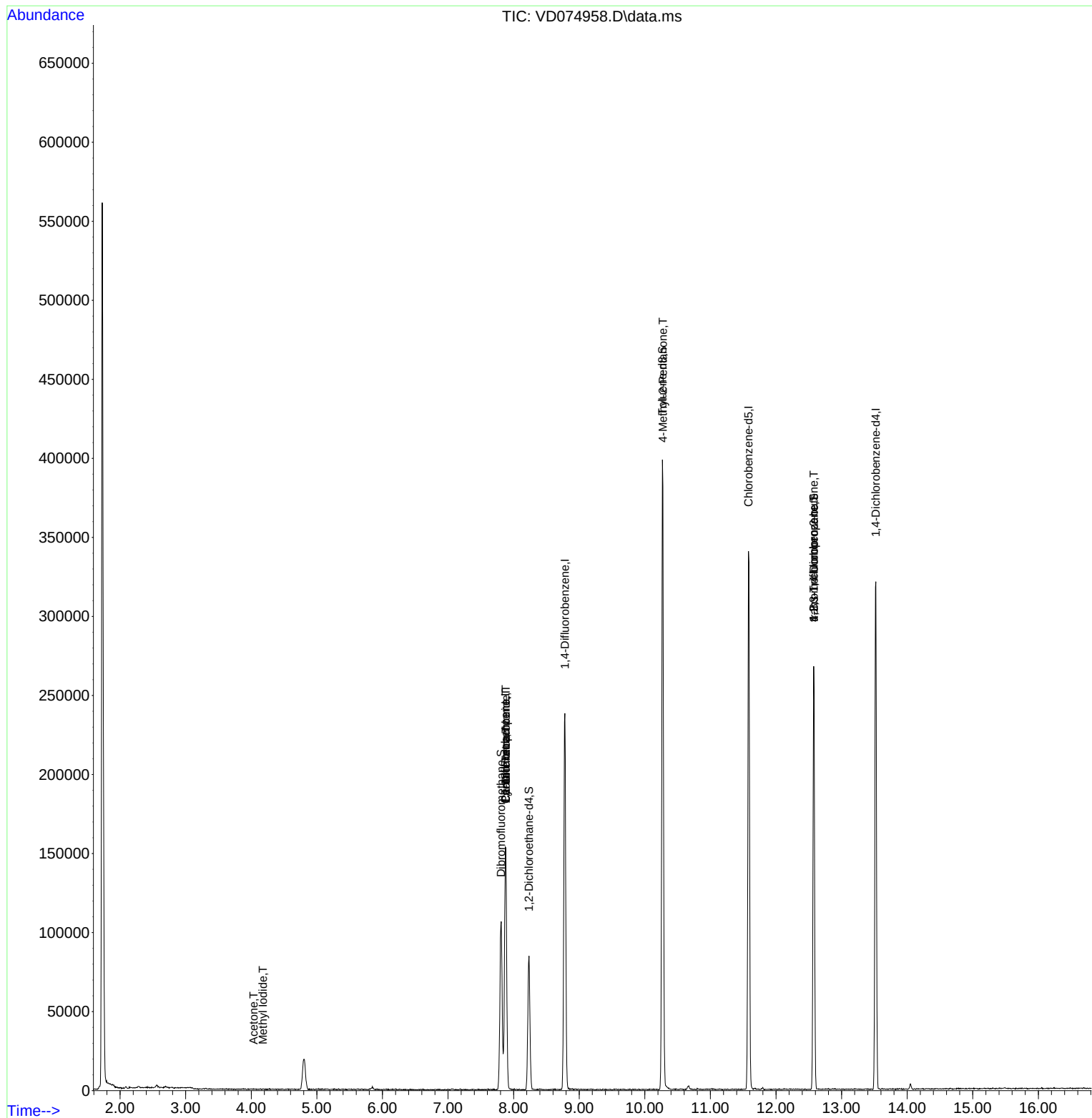
Internal Standards						
1) Pentafluorobenzene	7.875	168	126445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	94002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66431	82.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.960%#	
35) Dibromofluoromethane	7.811	113	79639	55.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.020%	
50) Toluene-d8	10.269	98	289241	61.203	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 122.400%	
62) 4-Bromofluorobenzene	12.575	95	81483	56.150	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.300%	
Target Compounds						
3) Chloromethane	2.140	50	417	Below Cal	#	37
5) Bromomethane	2.693	94	707	Below Cal		82
10) Methyl Iodide	4.175	142	246	4.914	ug/l #	43
16) Acetone	4.034	43	400	1.916	ug/l #	37
20) Methylene Chloride	4.805	84	17889	Below Cal	#	88
31) Cyclohexane	7.881	56	2554	1.385	ug/l #	25
36) 1,1-Dichloropropene	7.881	75	9172	4.350	ug/l #	46
38) Carbon Tetrachloride	7.881	117	12164	6.129	ug/l #	20
51) 4-Methyl-2-Pentanone	10.275	43	637	1.072	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	41025	52.179	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	41025	128.362	ug/l #	17

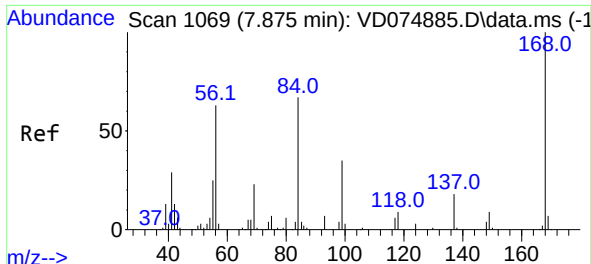
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

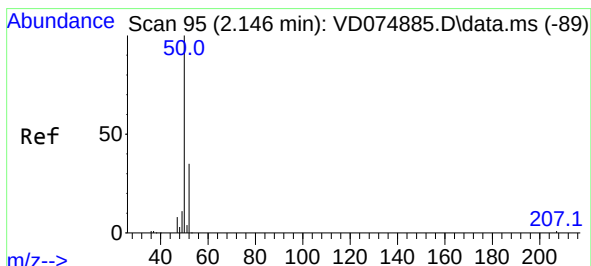
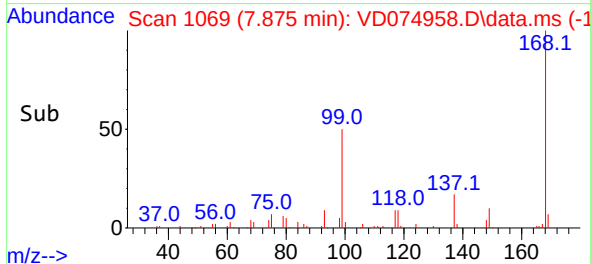
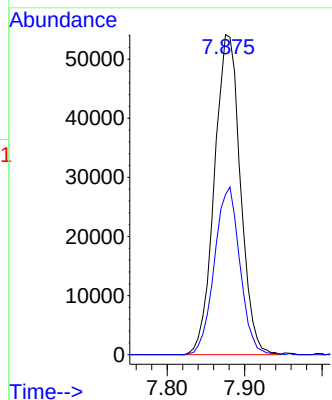
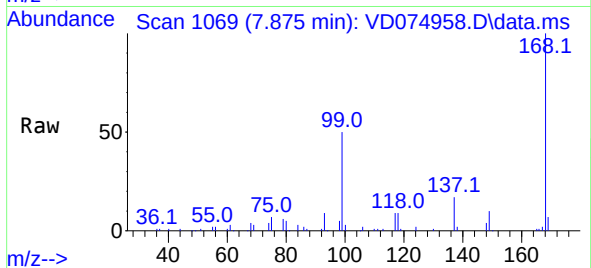




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

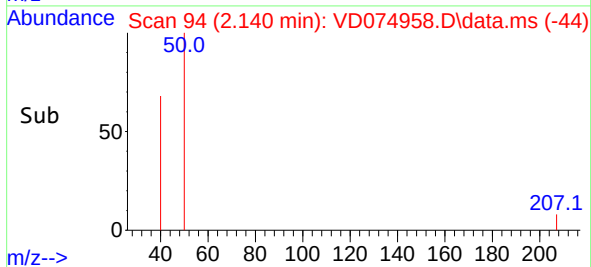
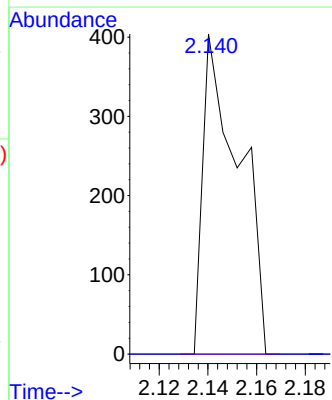
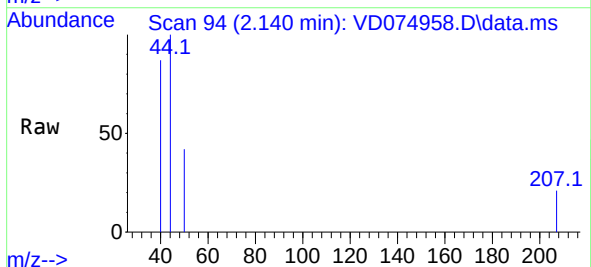
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

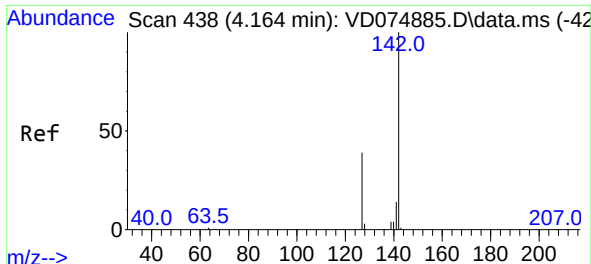
Tgt Ion:168 Resp: 126445
Ion Ratio Lower Upper
168 100
99 50.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

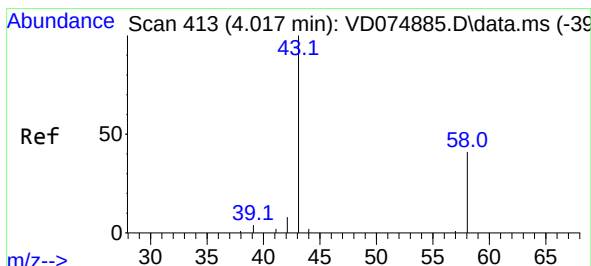
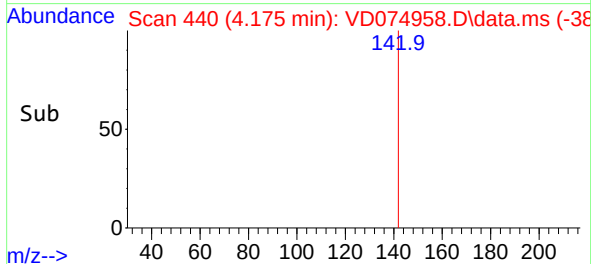
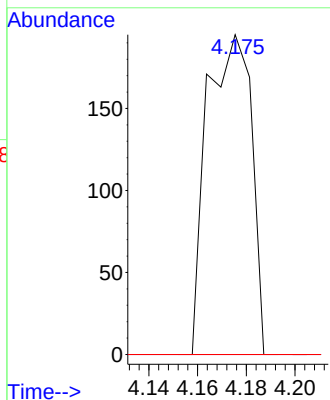
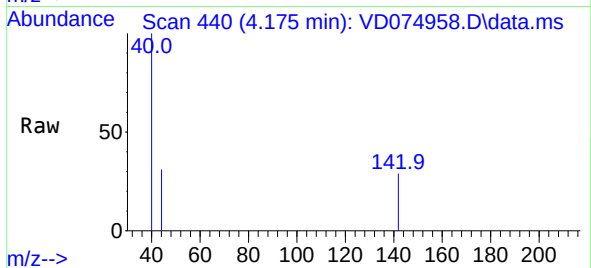




#10
Methyl Iodide
Concen: 4.914 ug/l
RT: 4.175 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

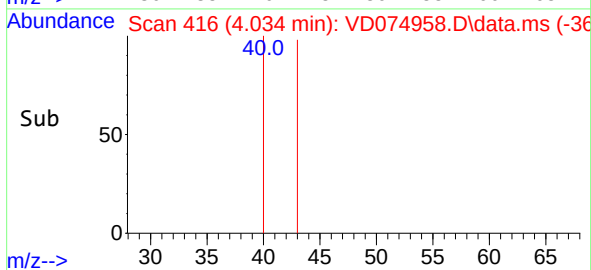
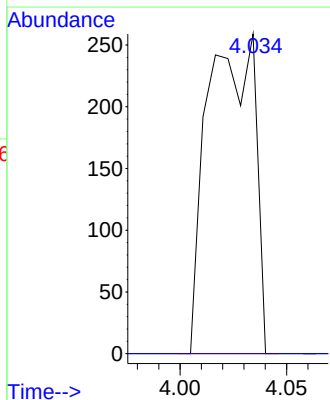
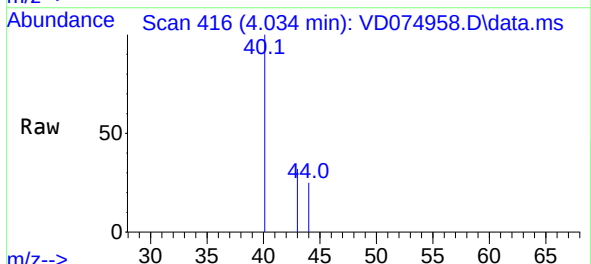
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

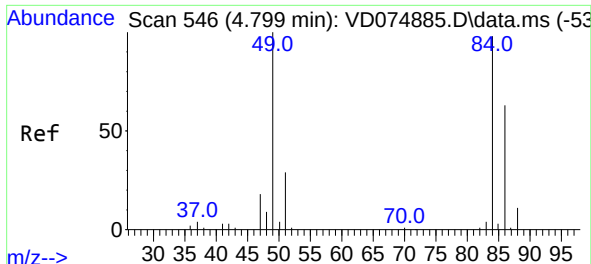
Tgt Ion:142 Resp: 246
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 1.916 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD074958.D

Acq: 16 Nov 2022 19:31

Instrument :

MSVOA_D

ClientSampleId :

LEFT-SIDE-FLATS-33

Tgt Ion: 84 Resp: 17889

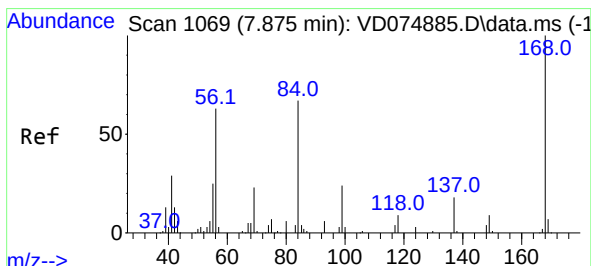
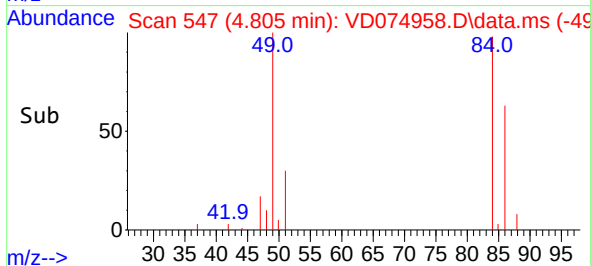
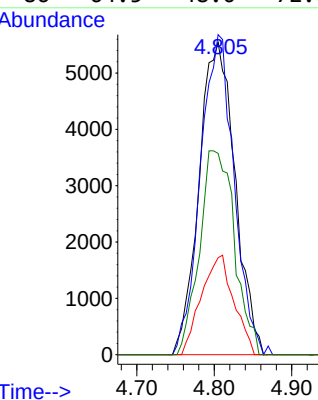
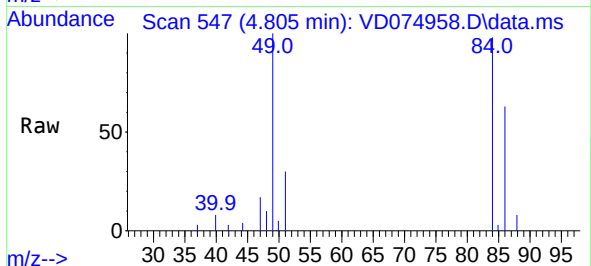
Ion Ratio Lower Upper

84 100

49 102.5 68.0 102.0#

51 31.1 23.2 34.8

86 64.5 48.0 72.0



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD074958.D

Acq: 16 Nov 2022 19:31

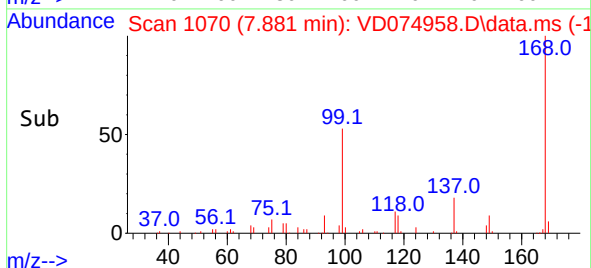
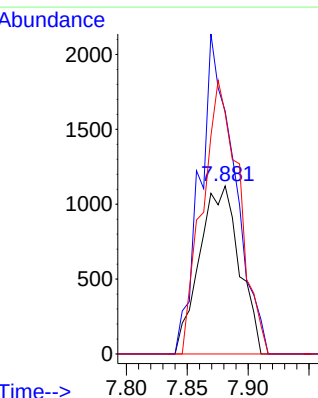
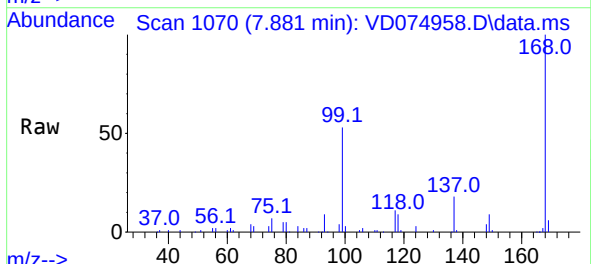
Tgt Ion: 56 Resp: 2554

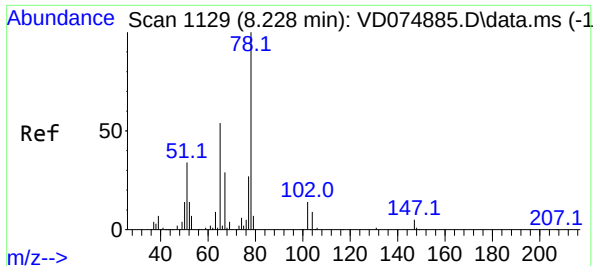
Ion Ratio Lower Upper

56 100

69 144.6 29.2 43.8#

84 143.2 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 82.975 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074958.D

Acq: 16 Nov 2022 19:31

Instrument :

MSVOA_D

ClientSampleId :

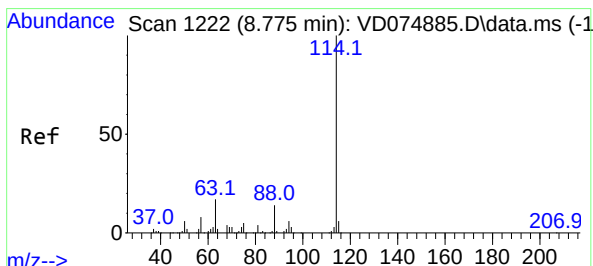
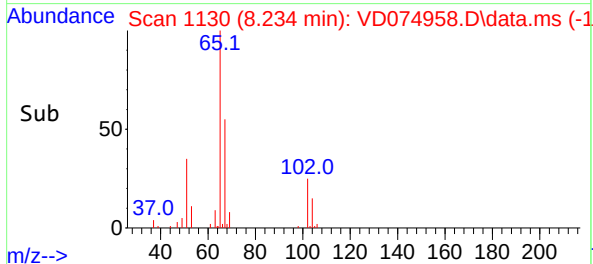
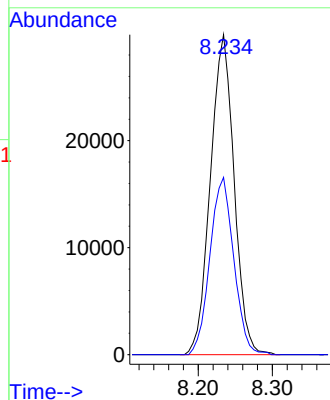
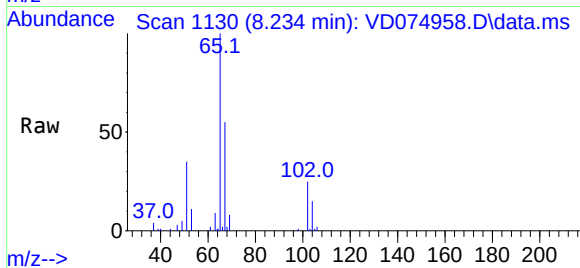
LEFT-SIDE-FLATS-33

Tgt Ion: 65 Resp: 66431

Ion Ratio Lower Upper

65 100

67 55.8 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: VD074958.D

Acq: 16 Nov 2022 19:31

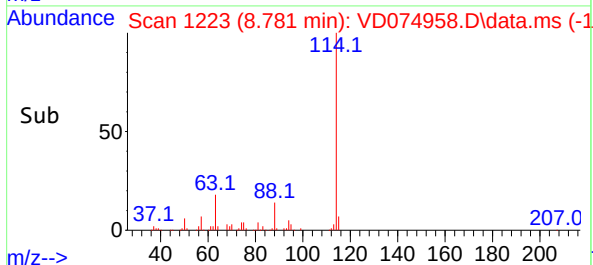
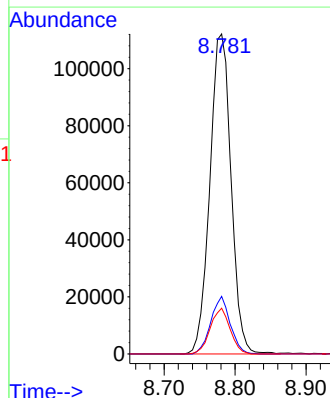
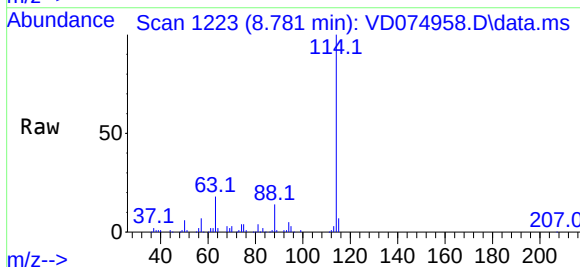
Tgt Ion: 114 Resp: 232742

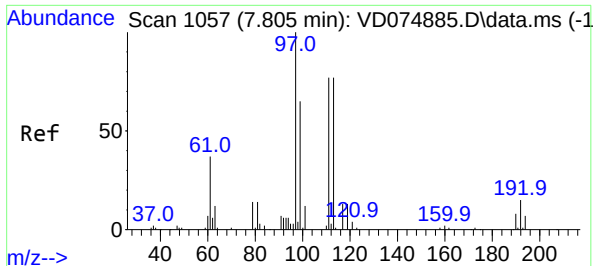
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.2

88 14.3 0.0 28.2

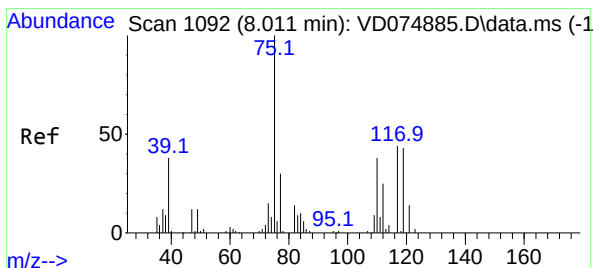
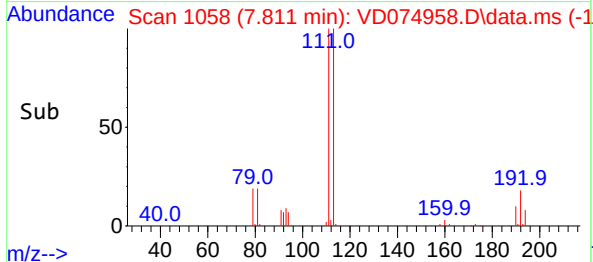
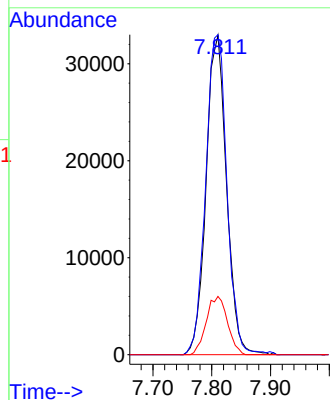
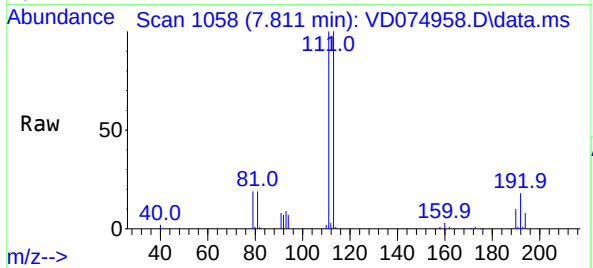




#35
Dibromofluoromethane
Concen: 55.509 ug/l
RT: 7.811 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

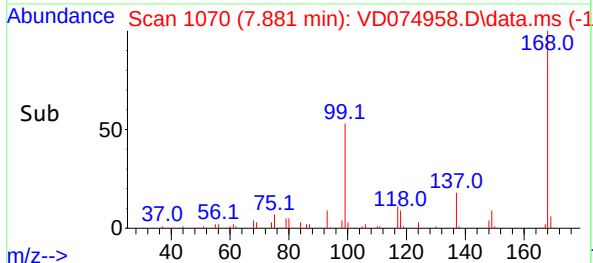
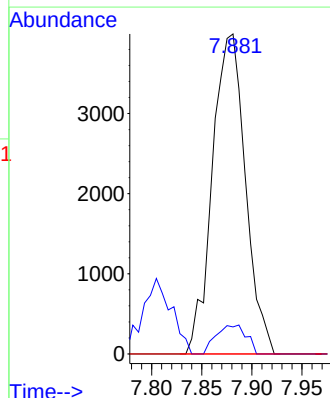
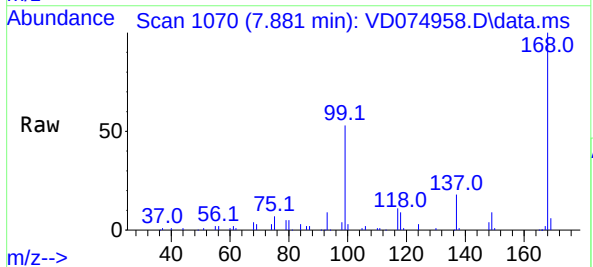
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

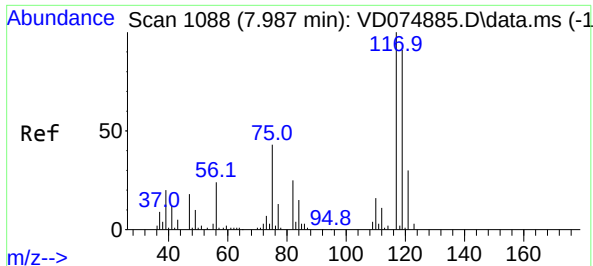
Tgt Ion:	113	Resp:	79639
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.3	123.5
192	18.9	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.350 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.130 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

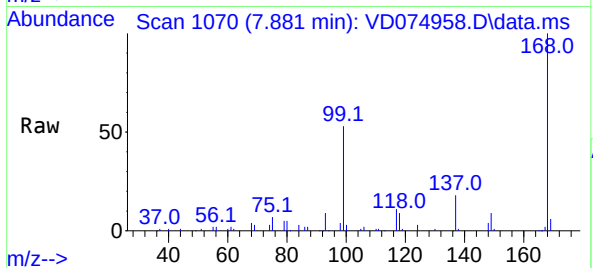
Tgt Ion:	75	Resp:	9172
Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.7	59.0#
77	0.0	25.4	38.2#



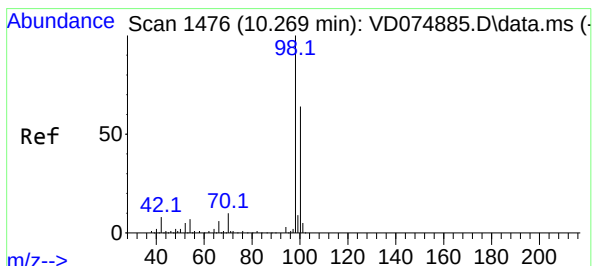
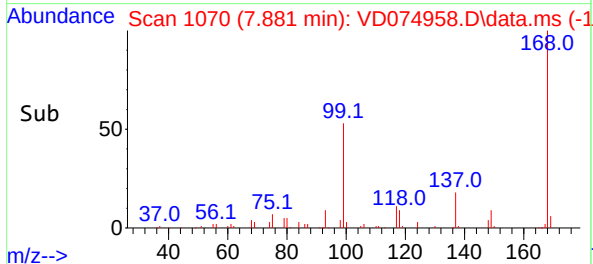
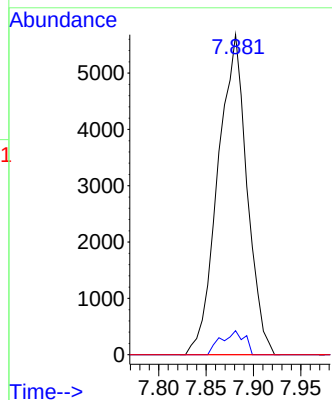


#38
Carbon Tetrachloride
Concen: 6.129 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

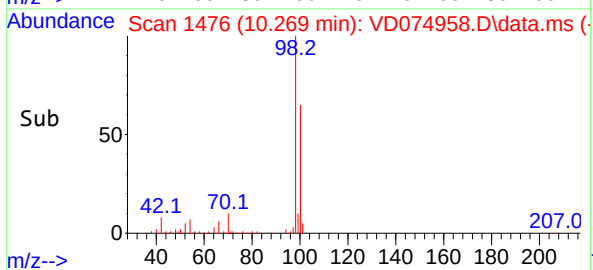
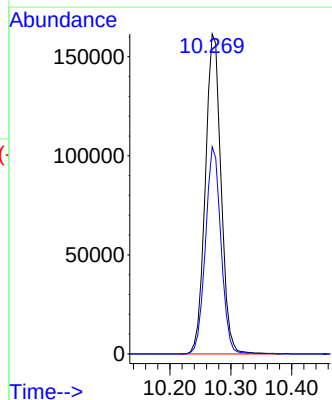
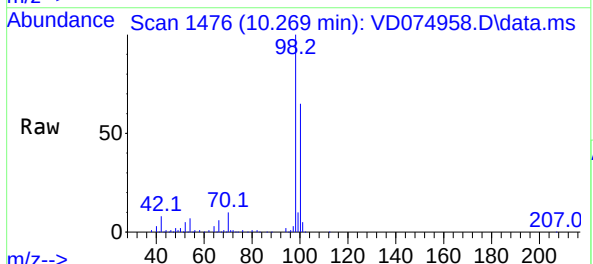


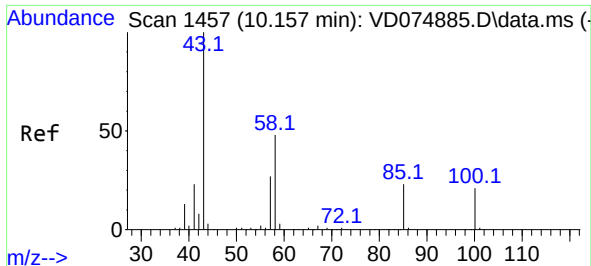
Tgt Ion:117 Resp: 12164
Ion Ratio Lower Upper
117 100
119 7.5 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 61.203 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion: 98 Resp: 289241
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

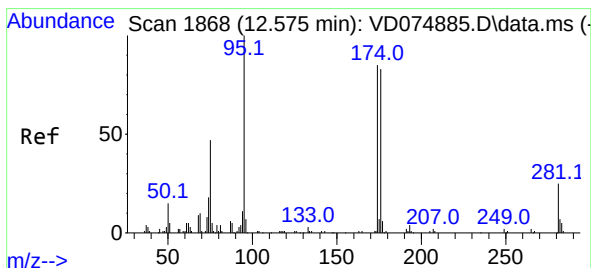
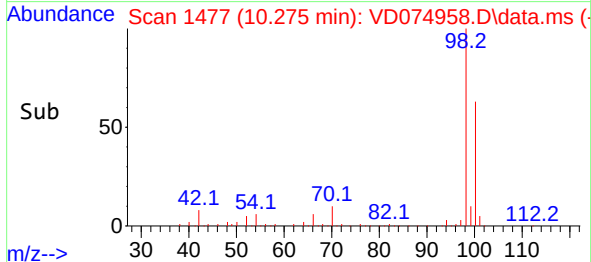
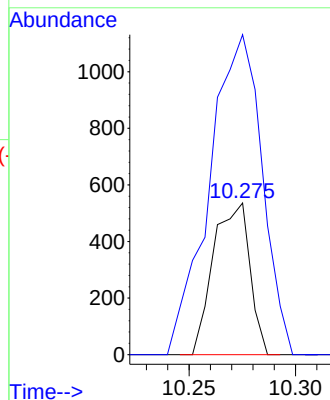
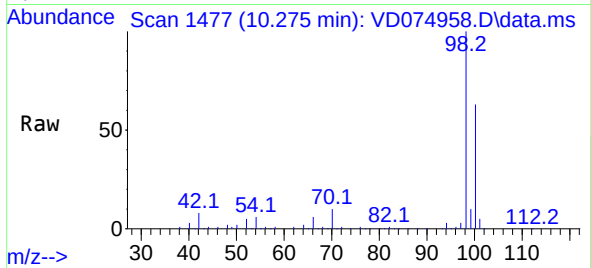




#51
4-Methyl-2-Pentanone
Concen: 1.072 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

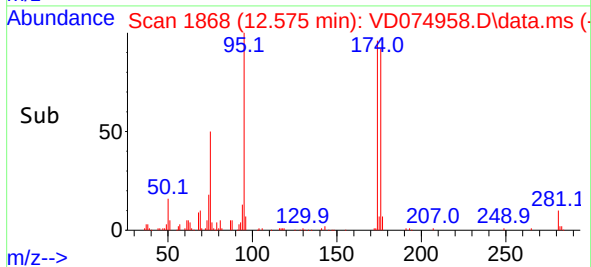
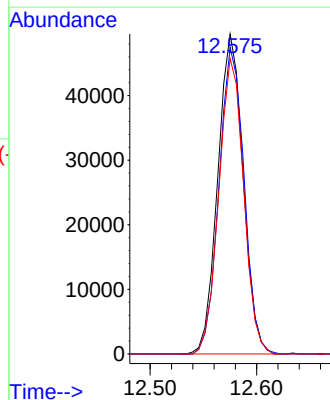
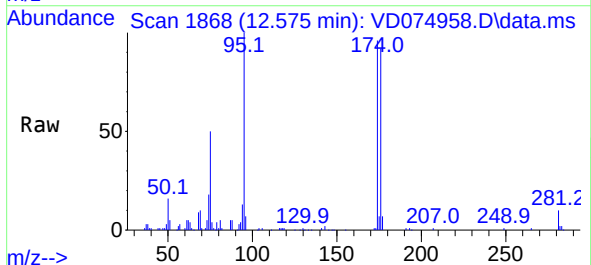
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

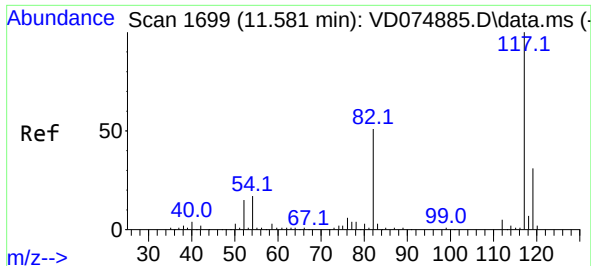
Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 306.3 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 56.150 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion: 95 Resp: 81483
Ion Ratio Lower Upper
95 100
174 94.9 0.0 197.0
176 90.6 0.0 182.6

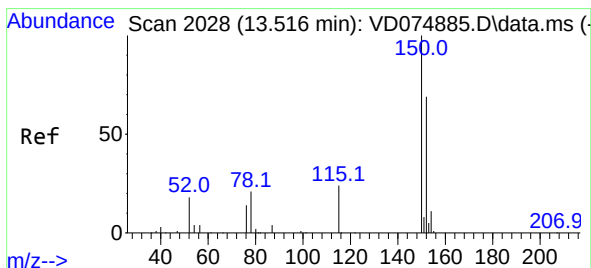
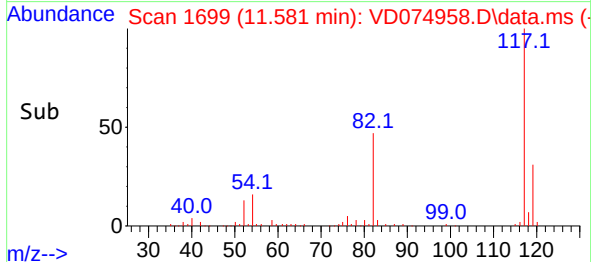
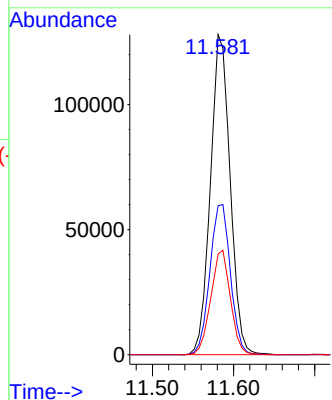
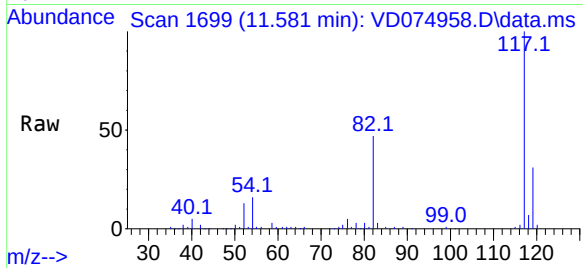




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

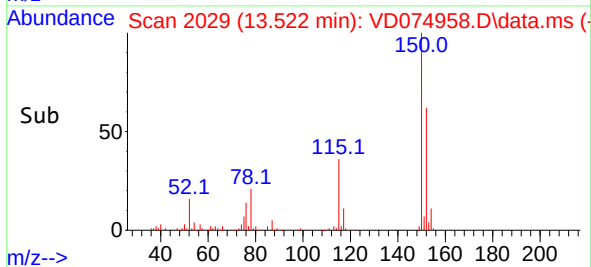
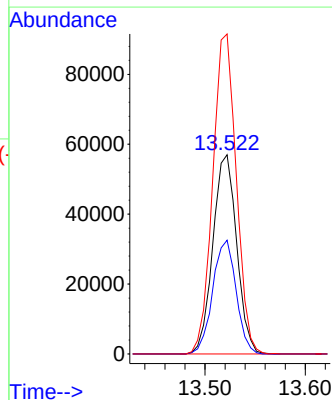
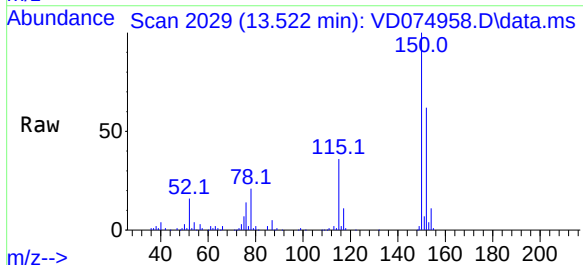
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

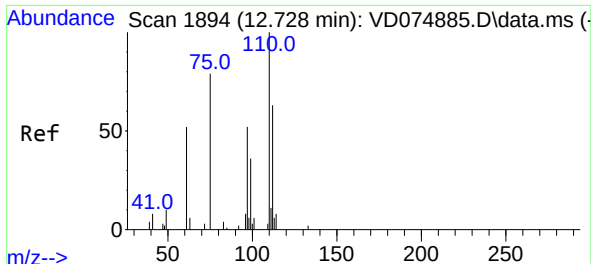
Tgt Ion:117 Resp: 215969
Ion Ratio Lower Upper
117 100
82 46.5 41.6 62.4
119 31.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion:152 Resp: 94002
Ion Ratio Lower Upper
152 100
115 56.3 26.8 80.4
150 158.7 0.0 348.2

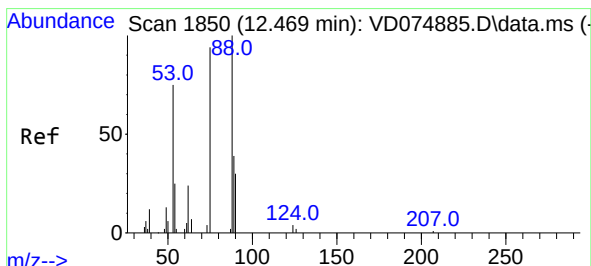
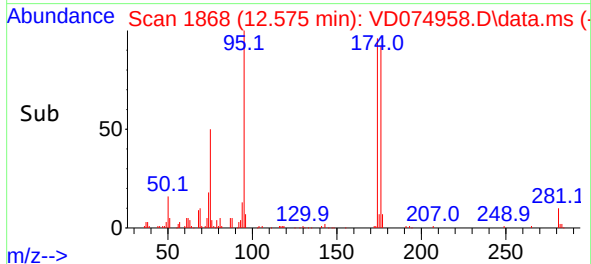
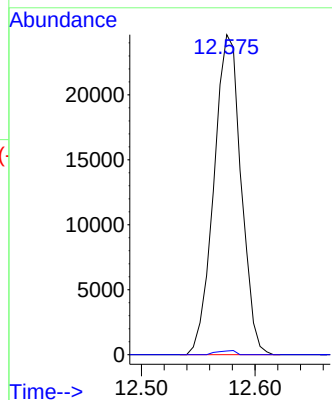
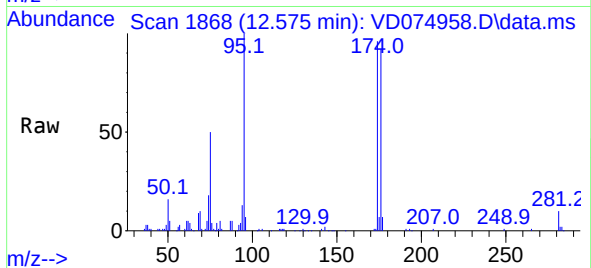




#76
1,2,3-Trichloropropane
Concen: 52.179 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-33

Tgt Ion: 75 Resp: 41025
Ion Ratio Lower Upper
75 100
77 0.9 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.362 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074958.D
Acq: 16 Nov 2022 19:31

Tgt Ion: 75 Resp: 41025
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.2 38.2 57.4#

