

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111822\
 Data File : VD074985.D
 Acq On : 18 Nov 2022 13:10
 Operator : VA/SY
 Sample : VD1118SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBL01

Quant Time: Nov 18 22:04:54 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)

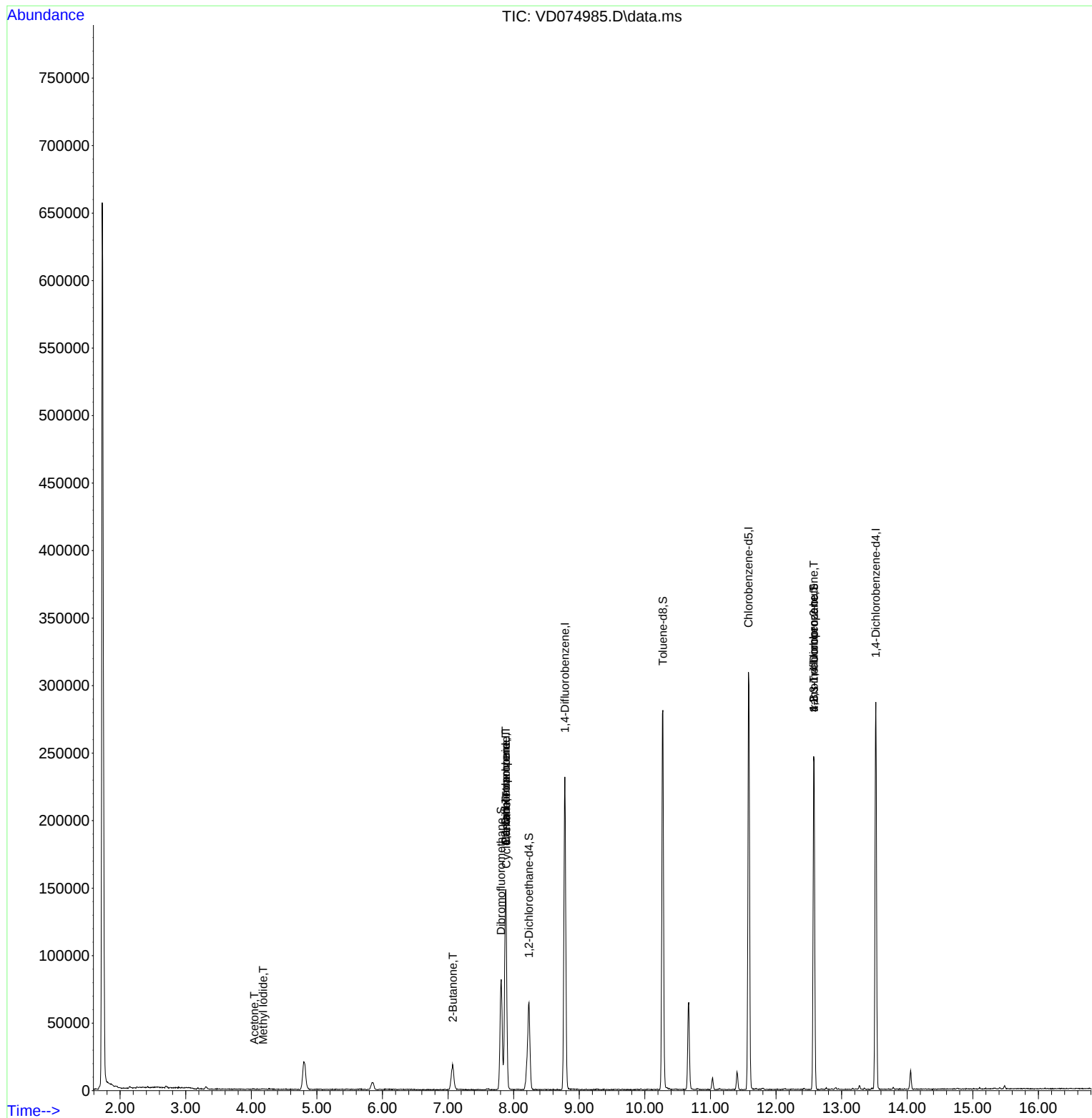
Internal Standards						
1) Pentafluorobenzene	7.881	168	121189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	220715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	197641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	82432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46808	59.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.440%	
35) Dibromofluoromethane	7.810	113	61536	45.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.460%	
50) Toluene-d8	10.275	98	208737	46.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.160%	
62) 4-Bromofluorobenzene	12.575	95	63133	45.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.760%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	829	Below Cal	83	
3) Chloromethane	2.152	50	822	Below Cal	96	
5) Bromomethane	2.699	94	970	Below Cal	#	56
10) Methyl Iodide	4.181	142	745	5.228 ug/l	#	43
11) Tert butyl alcohol	5.022	59	58	Below Cal	#	84
16) Acetone	4.046	43	417	2.084 ug/l	#	37
20) Methylene Chloride	4.798	84	19162	Below Cal	94	
25) 2-Butanone	7.075	43	637	2.435 ug/l	#	42
31) Cyclohexane	7.887	56	2410	1.364 ug/l	#	27
36) 1,1-Dichloropropene	7.881	75	8791	4.396 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	11440	6.078 ug/l	#	18
76) 1,2,3-Trichloropropane	12.575	75	30544	44.301 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	30544	108.982 ug/l	#	17

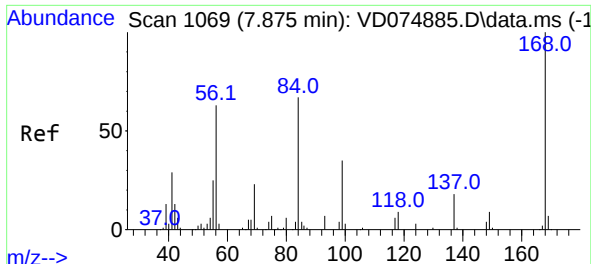
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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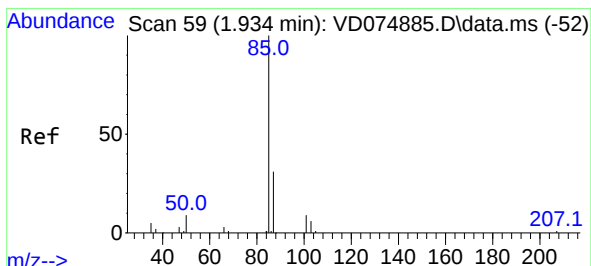
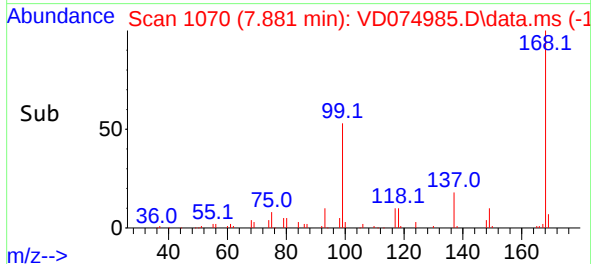
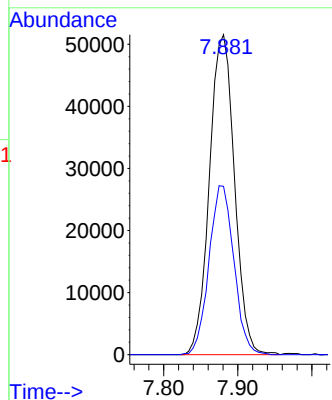
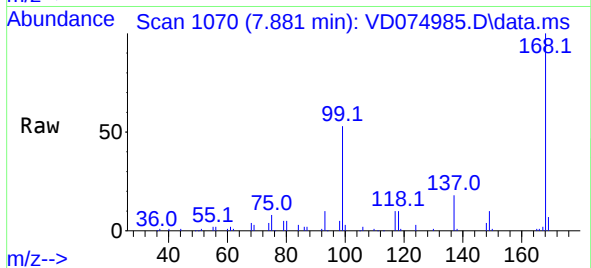




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

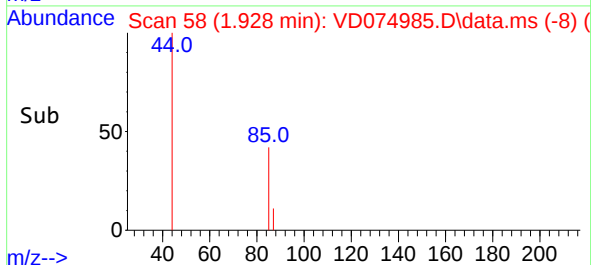
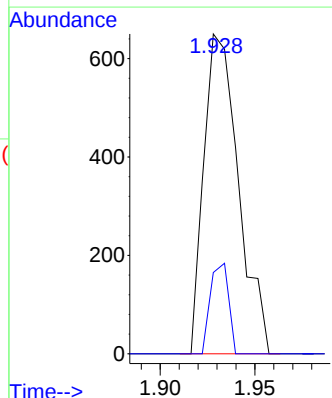
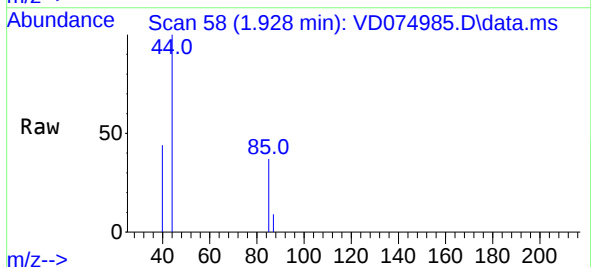
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:168 Resp: 121189
Ion Ratio Lower Upper
168 100
99 52.6 40.9 61.3

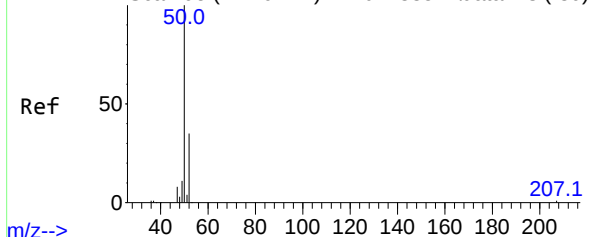


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Tgt Ion: 85 Resp: 829
Ion Ratio Lower Upper
85 100
87 25.4 17.5 52.6



Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3

Chloromethane

Concen: Below Cal

RT: 2.152 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBL01

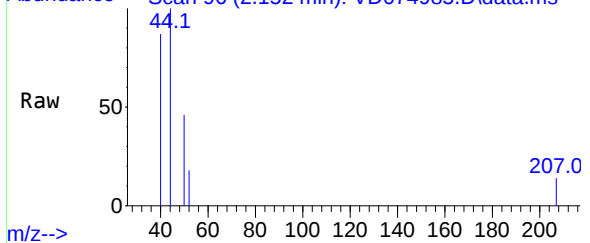
Tgt Ion: 50 Resp: 822

Ion Ratio Lower Upper

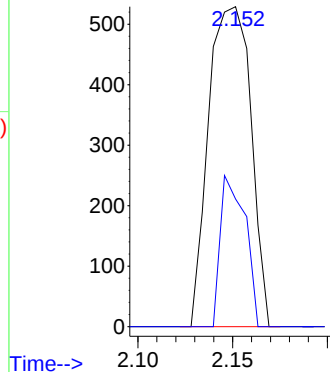
50 100

52 39.9 30.0 45.0

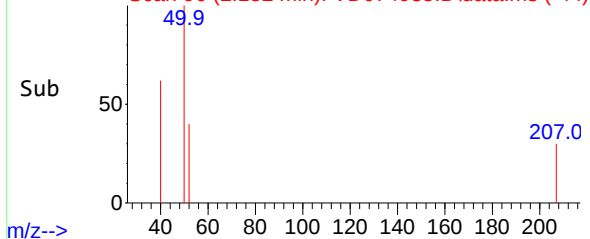
Abundance Scan 96 (2.152 min): VD074985.D\data.ms



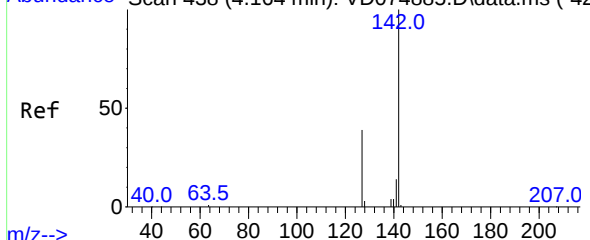
Abundance



Abundance Scan 96 (2.152 min): VD074985.D\data.ms (-44)



Abundance Scan 438 (4.164 min): VD074885.D\data.ms (-42)



#10

Methyl Iodide

Concen: 5.228 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.017 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

Tgt Ion: 142 Resp: 745

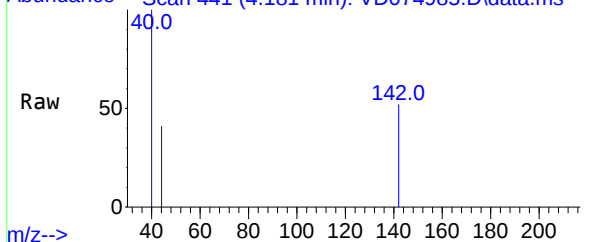
Ion Ratio Lower Upper

142 100

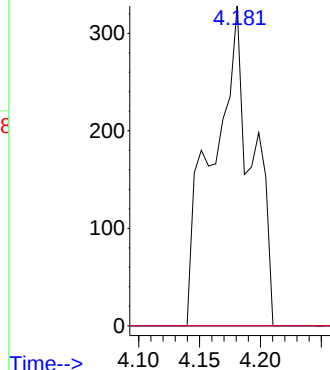
127 0.0 31.9 47.9#

141 0.0 11.4 17.2#

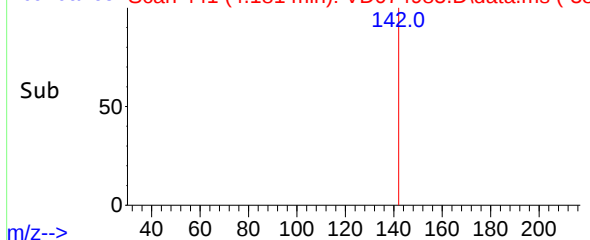
Abundance Scan 441 (4.181 min): VD074985.D\data.ms

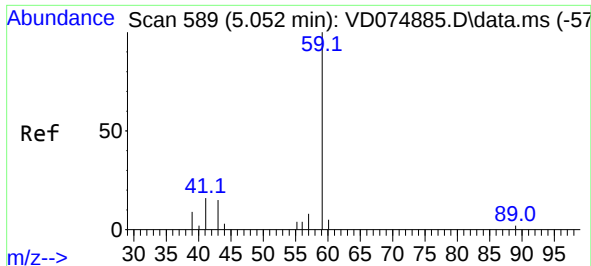


Abundance



Abundance Scan 441 (4.181 min): VD074985.D\data.ms (-38)





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

Instrument :

MSVOA_D

ClientSampleId :

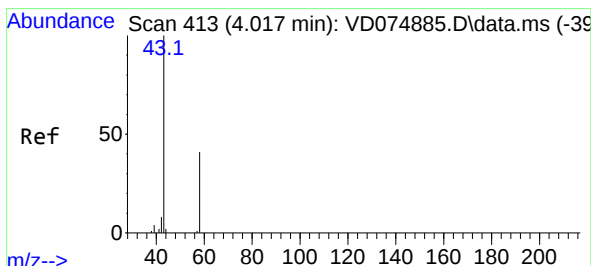
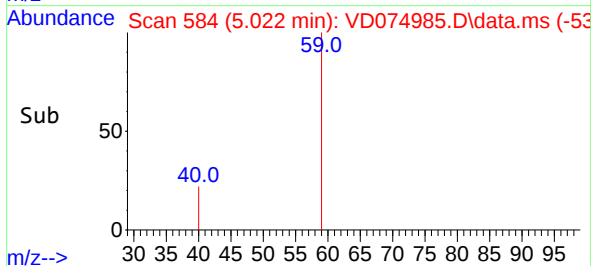
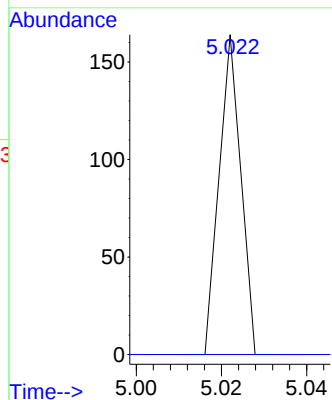
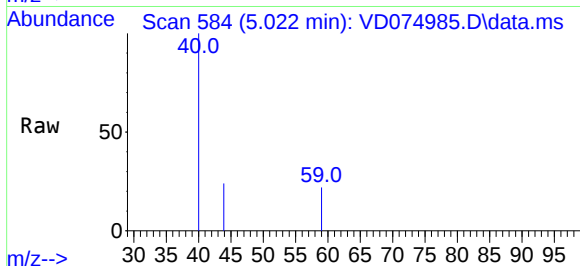
VD1118SBL01

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 2.084 ug/l

RT: 4.046 min Scan# 418

Delta R.T. 0.029 min

Lab File: VD074985.D

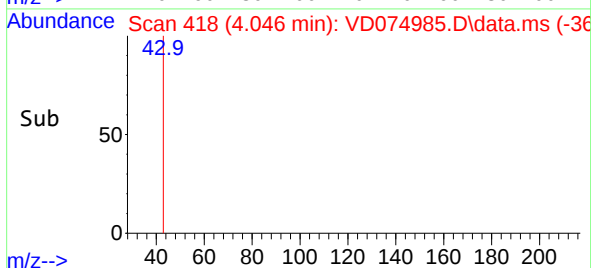
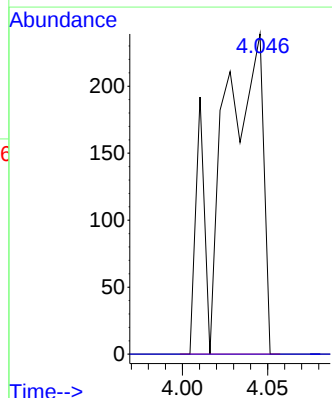
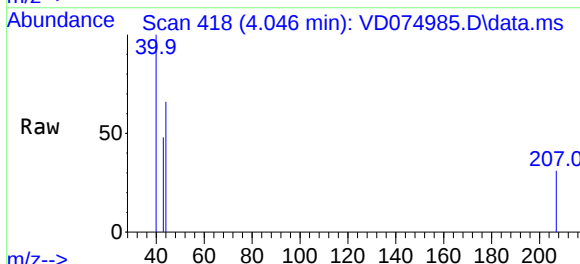
Acq: 18 Nov 2022 13:10

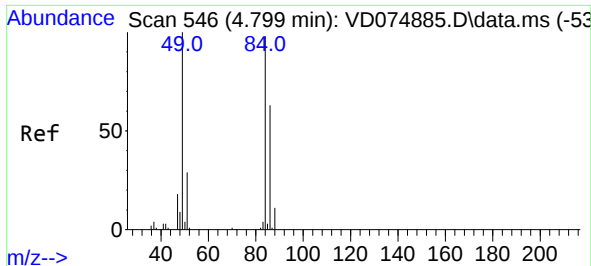
Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

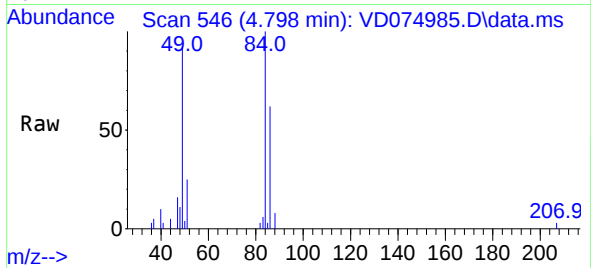
58 0.0 30.2 45.2#





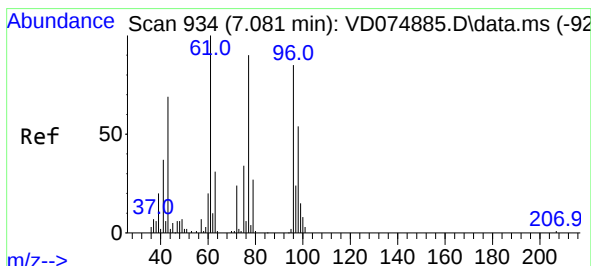
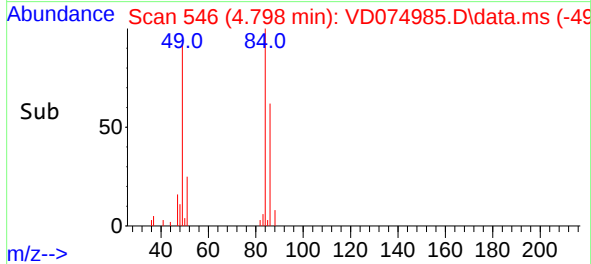
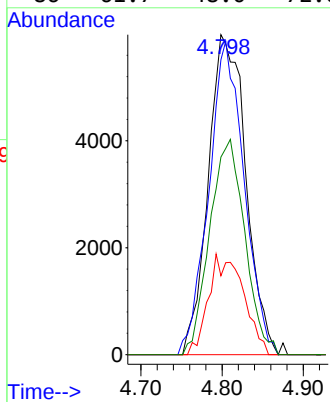
#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 54
Delta R.T. -0.001 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01



Tgt Ion: 84 Resp: 19162

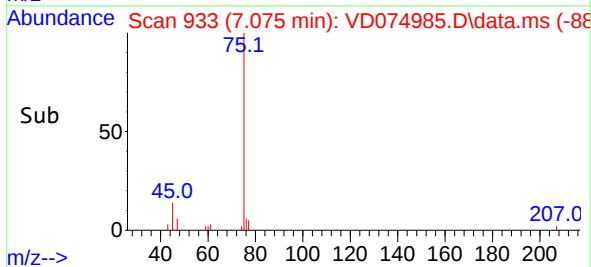
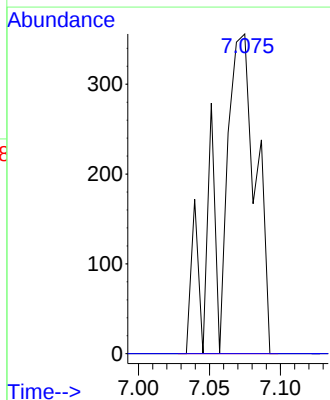
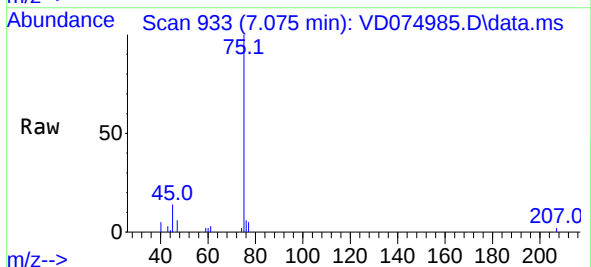
Ion	Ratio	Lower	Upper
84	100		
49	92.1	68.0	102.0
51	24.6	23.2	34.8
86	61.7	48.0	72.0

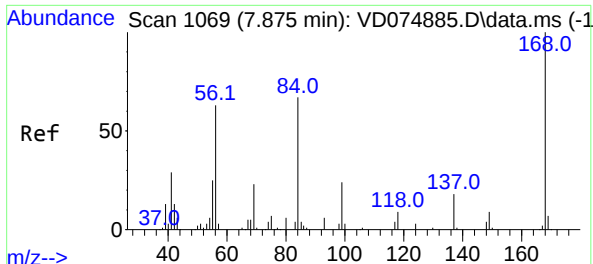


#25
2-Butanone
Concen: 2.435 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Tgt Ion: 43 Resp: 637

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#31

Cyclohexane

Concen: 1.364 ug/l

RT: 7.887 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBL01

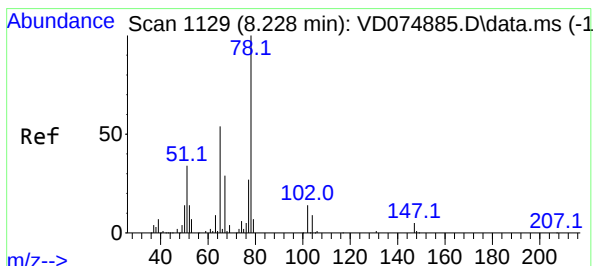
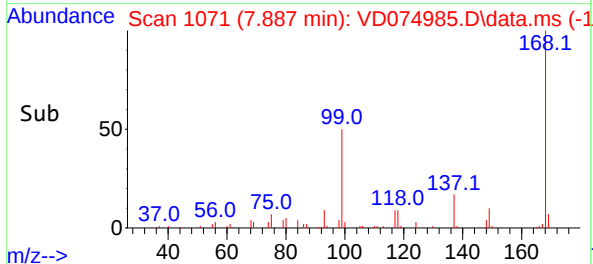
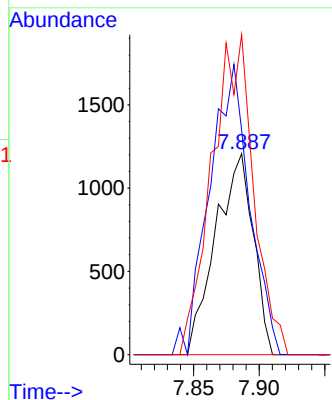
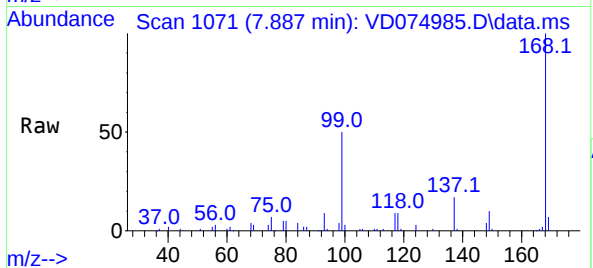
Tgt Ion: 56 Resp: 2410

Ion Ratio Lower Upper

56 100

69 111.7 29.2 43.8#

84 159.2 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 59.221 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074985.D

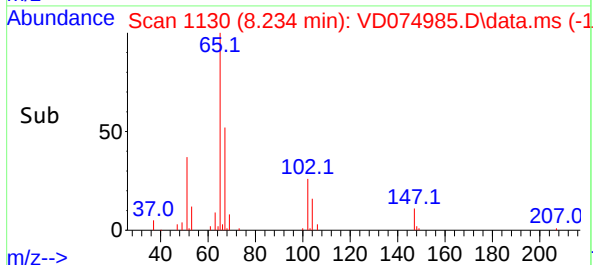
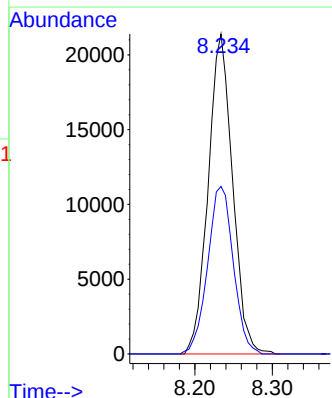
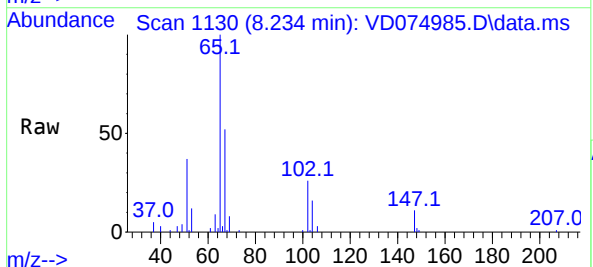
Acq: 18 Nov 2022 13:10

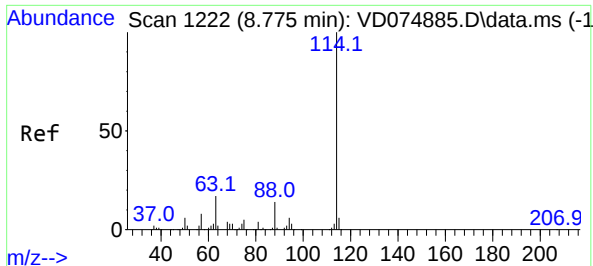
Tgt Ion: 65 Resp: 46808

Ion Ratio Lower Upper

65 100

67 55.2 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: VD074985.D

Acq: 18 Nov 2022 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBL01

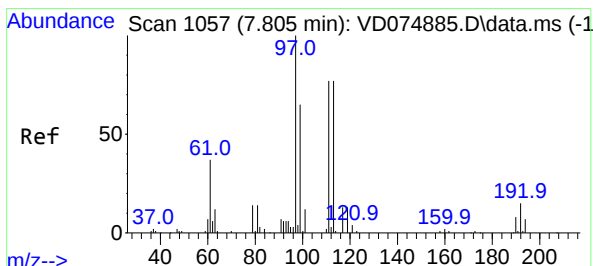
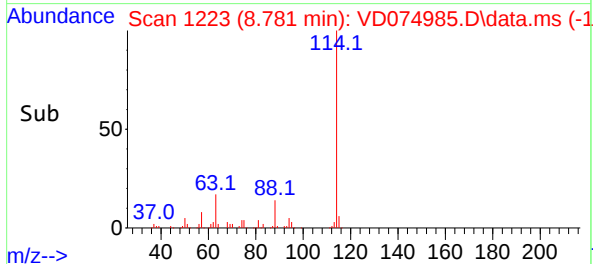
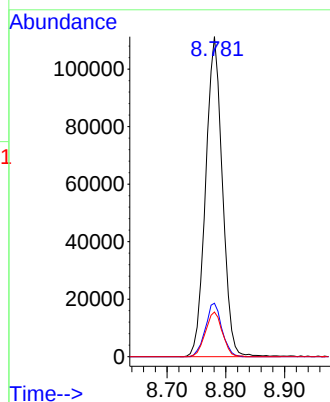
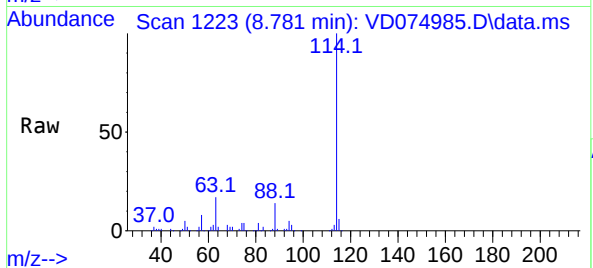
Tgt Ion:114 Resp: 220715

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.2

88 13.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 45.229 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

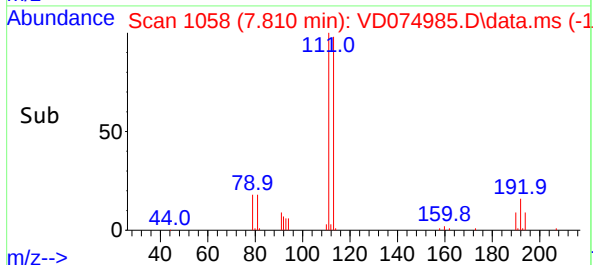
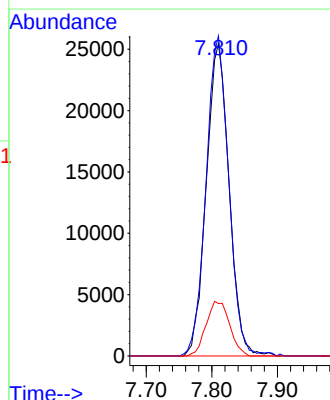
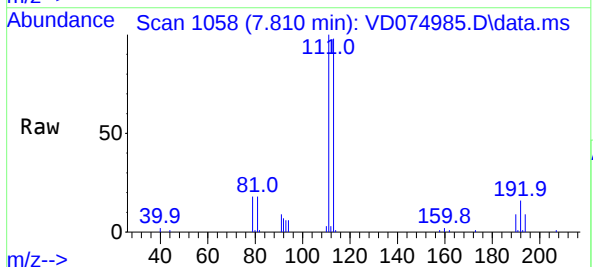
Tgt Ion:113 Resp: 61536

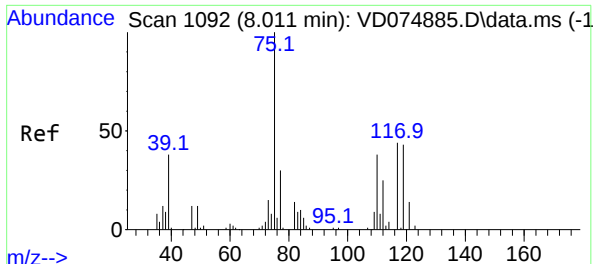
Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

192 18.1 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.396 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBL01

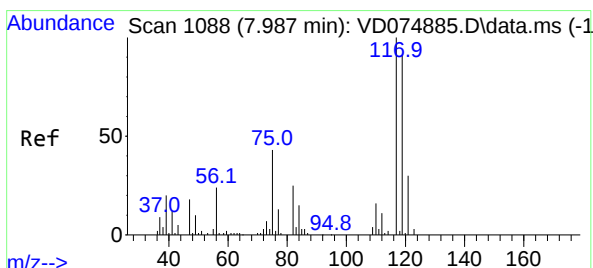
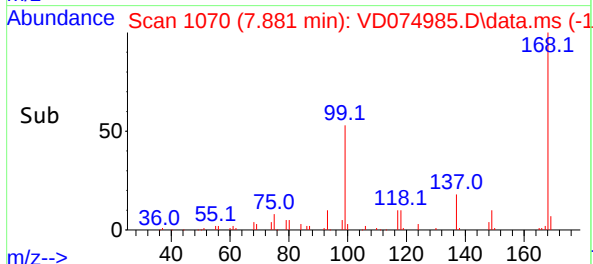
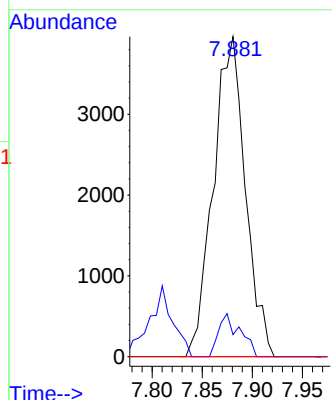
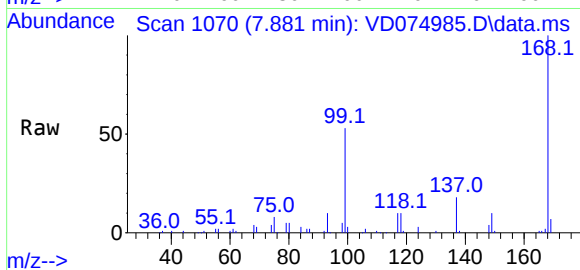
Tgt Ion: 75 Resp: 8791

Ion Ratio Lower Upper

75 100

110 9.0 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074985.D

Acq: 18 Nov 2022 13:10

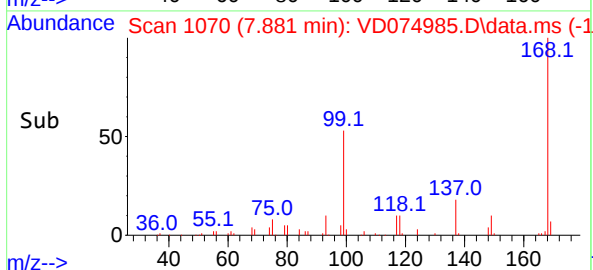
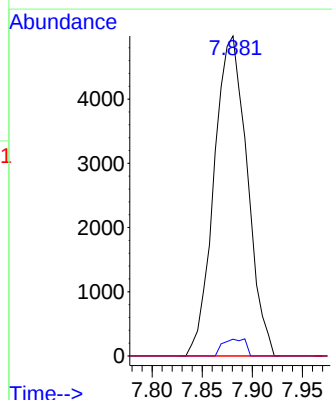
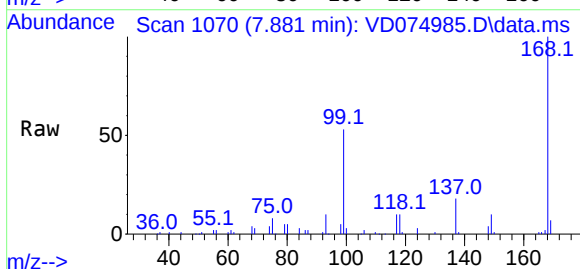
Tgt Ion: 117 Resp: 11440

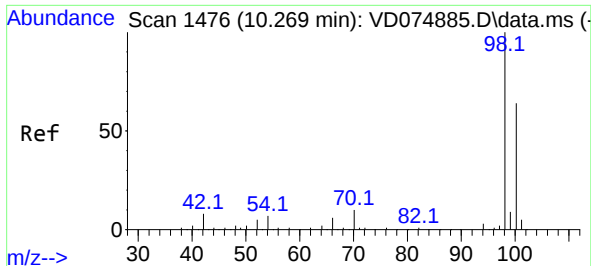
Ion Ratio Lower Upper

117 100

119 5.2 73.1 109.7#

121 0.0 25.0 37.6#

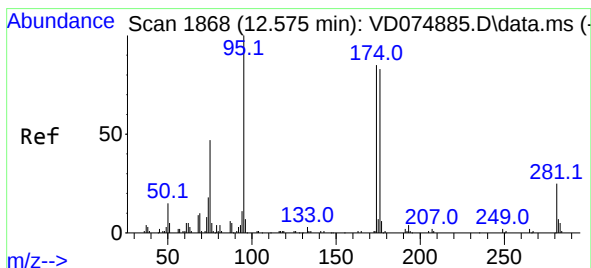
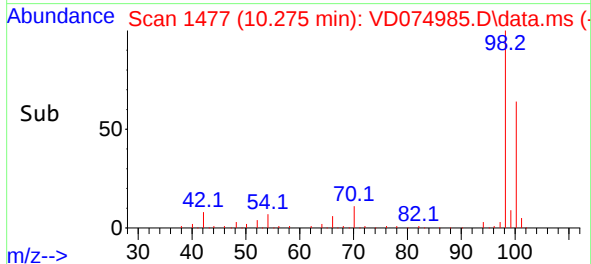
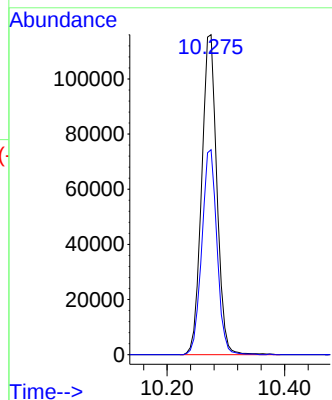
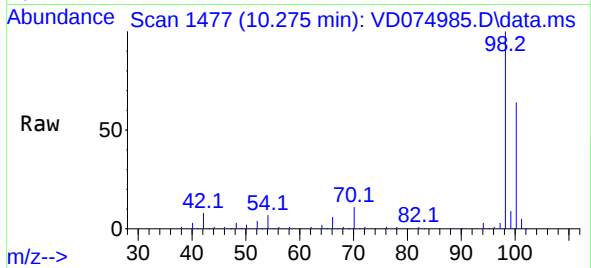




#50
Toluene-d8
Concen: 46.575 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

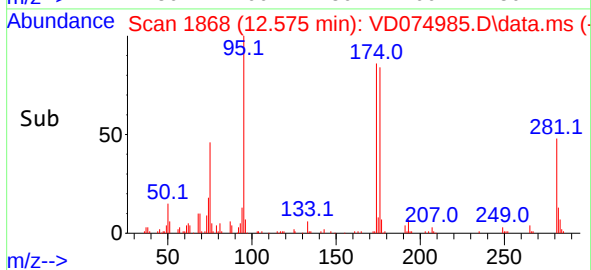
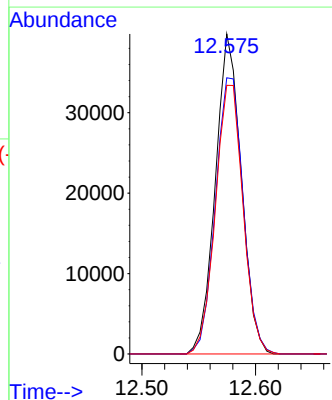
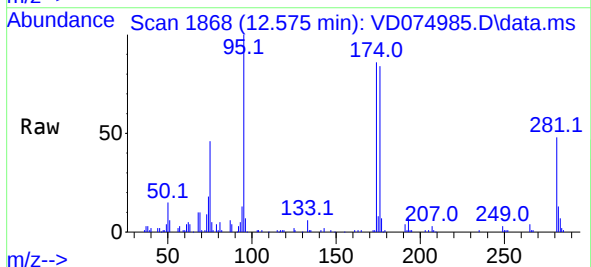
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

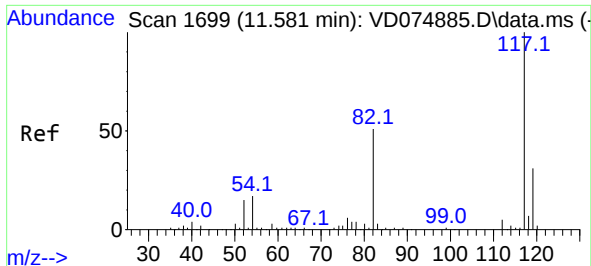
Tgt Ion: 98 Resp: 208737
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.875 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Tgt Ion: 95 Resp: 63133
Ion Ratio Lower Upper
95 100
174 92.4 0.0 197.0
176 89.4 0.0 182.6

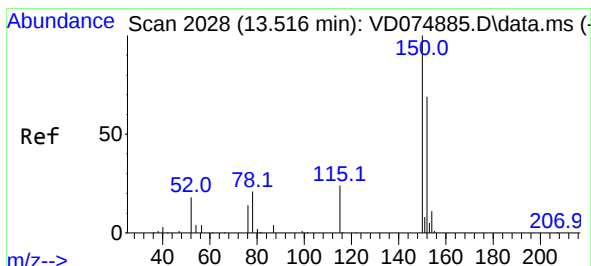
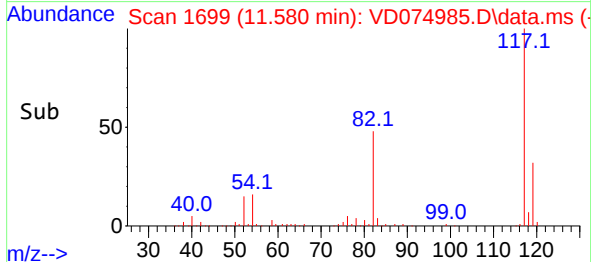
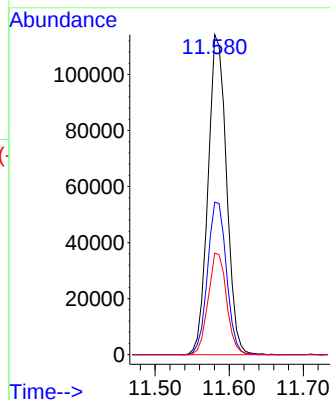
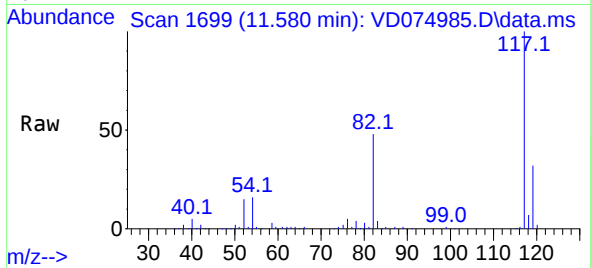




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

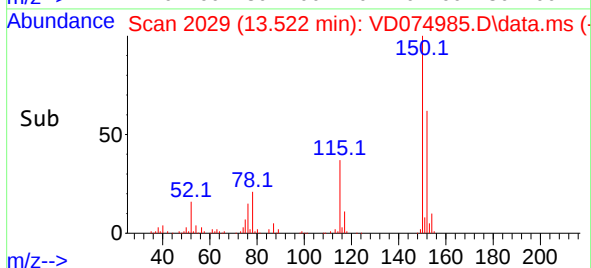
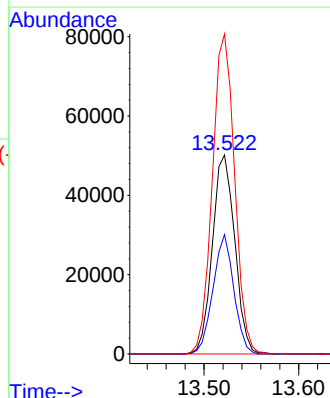
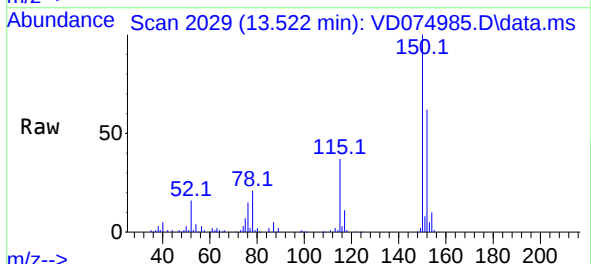
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

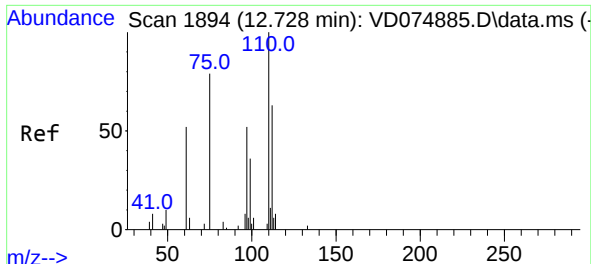
Tgt Ion:117	Resp: 197641
Ion Ratio	Lower Upper
117 100	
82 47.6	41.6 62.4
119 31.8	25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Tgt Ion:152	Resp:	82432	
Ion	Ratio	Lower	Upper
152	100		
115	55.7	26.8	80.4
150	159.7	0.0	348.2

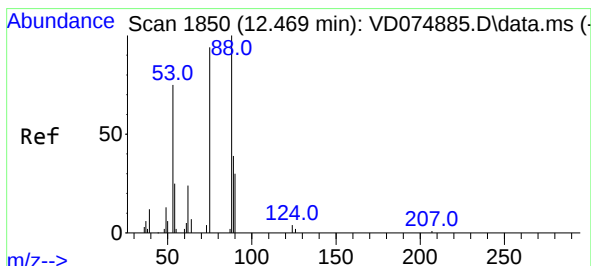
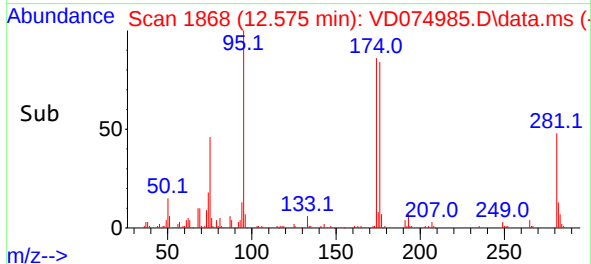
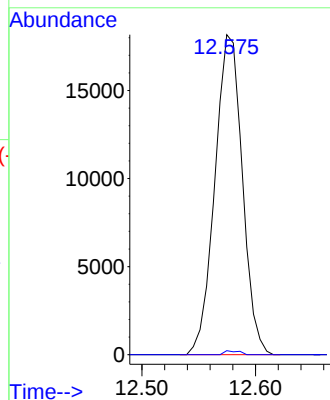
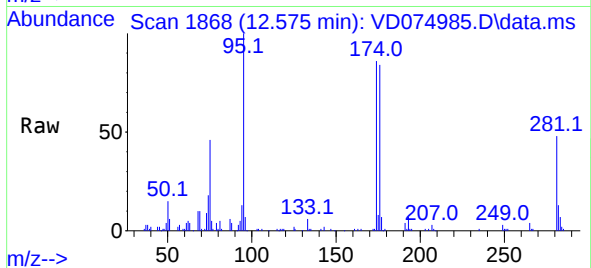




#76
1,2,3-Trichloropropane
Concen: 44.301 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion: 75 Resp: 30544
Ion Ratio Lower Upper
75 100
77 0.7 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.982 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074985.D
Acq: 18 Nov 2022 13:10

Tgt Ion: 75 Resp: 30544
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.3 38.2 57.4#

