

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073858.D
 Acq On : 19 Jul 2022 13:41
 Operator : VA/SY
 Sample : VD0719SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBL01

Quant Time: Jul 19 15:42:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

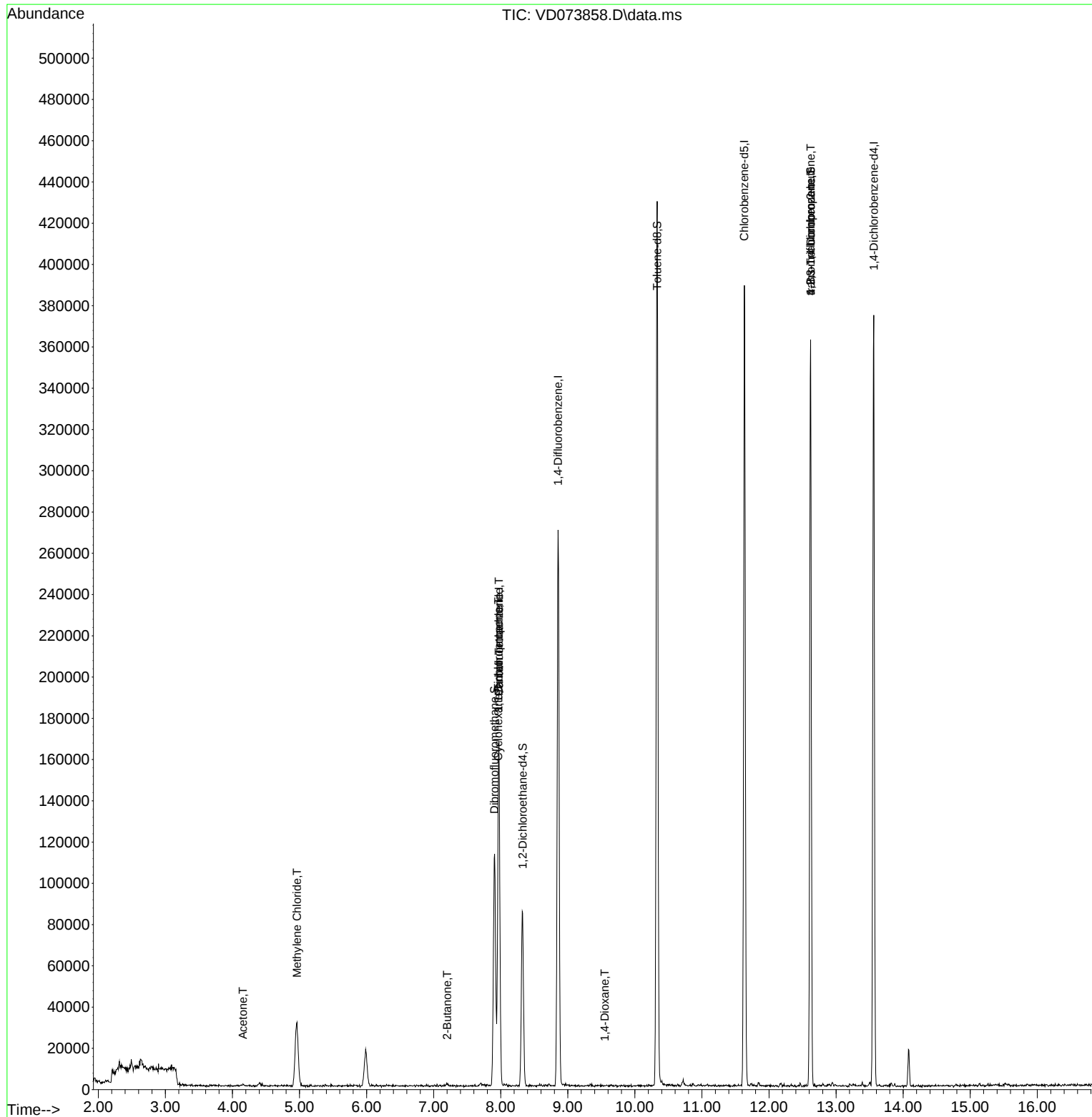
Internal Standards						
1) Pentafluorobenzene	7.973	168	117045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	232488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	215756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	95292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	67625	48.385	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.903	113	77834	47.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.920%		
50) Toluene-d8	10.332	98	293278	49.256	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.620	95	95890	46.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.680%		
Target Compounds						
2) Dichlorodifluoromethane	1.997	85	191	Below Cal	#	43
3) Chloromethane	2.209	50	2003	Below Cal	#	82
11) Tert butyl alcohol	5.215	59	58	Below Cal	#	74
16) Acetone	4.156	43	1460	6.366	ug/l #	77
18) Methyl Acetate	4.950	43	112	Below Cal	#	55
20) Methylene Chloride	4.962	84	24161	3.149	ug/l	89
25) 2-Butanone	7.203	43	503	1.545	ug/l #	52
31) Cyclohexane	7.961	56	3367	1.516	ug/l #	29
36) 1,1-Dichloropropene	7.967	75	10435	4.410	ug/l #	53
38) Carbon Tetrachloride	7.973	117	12906	4.776	ug/l #	17
49) 1,4-Dioxane	9.550	88	76	7.696	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	53994	52.809	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	53994	142.501	ug/l #	7

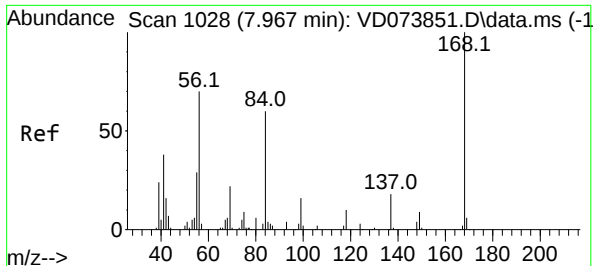
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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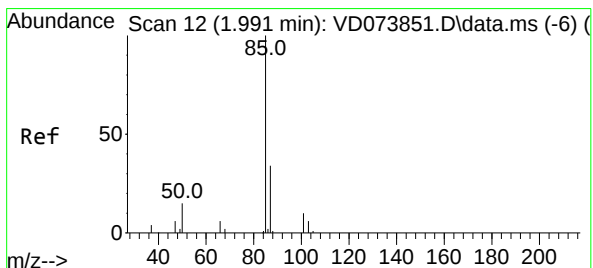
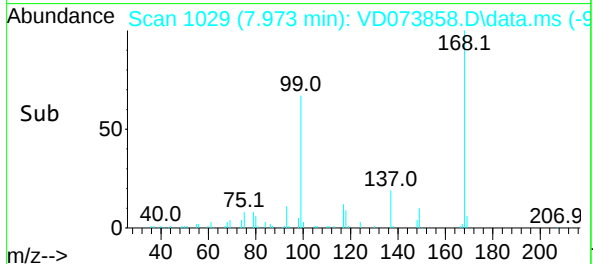
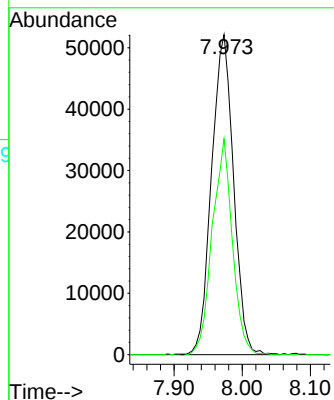
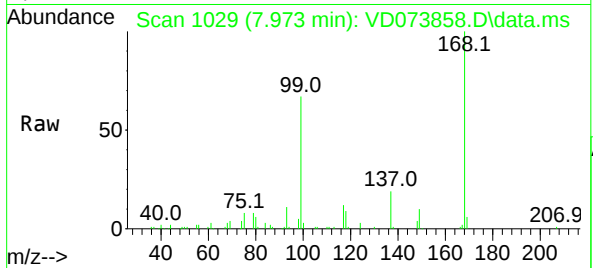




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

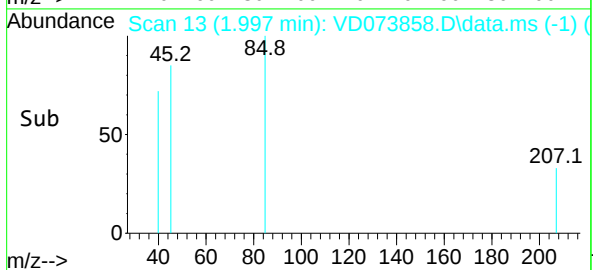
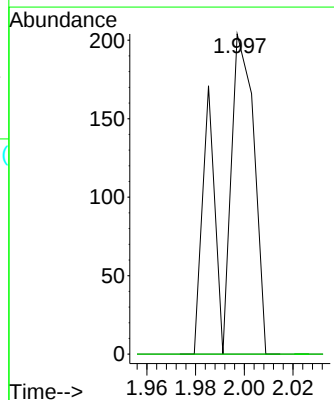
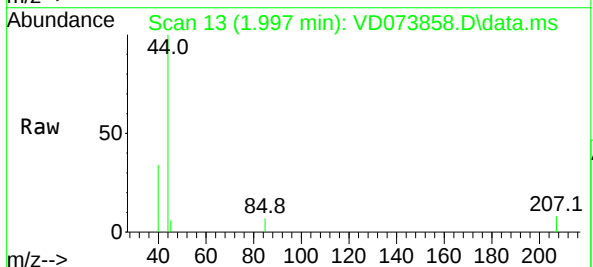
Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

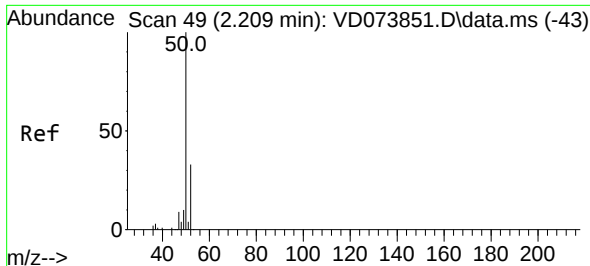
Tgt Ion:168 Resp: 117045
Ion Ratio Lower Upper
168 100
99 67.4 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Tgt Ion: 85 Resp: 191
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

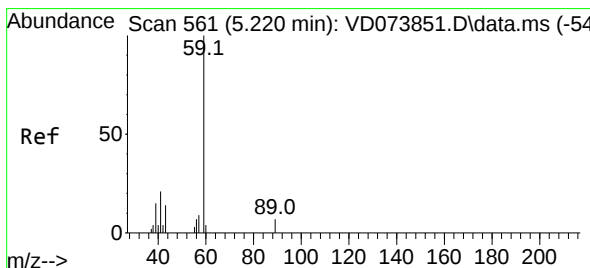
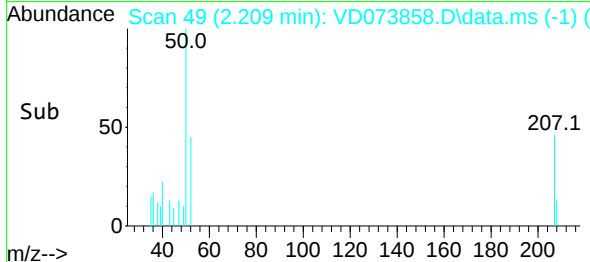
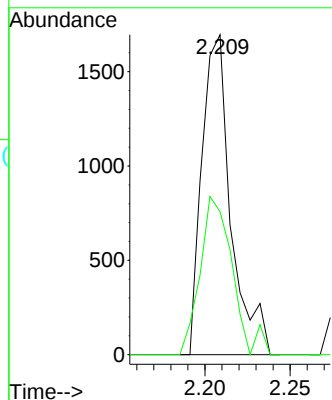
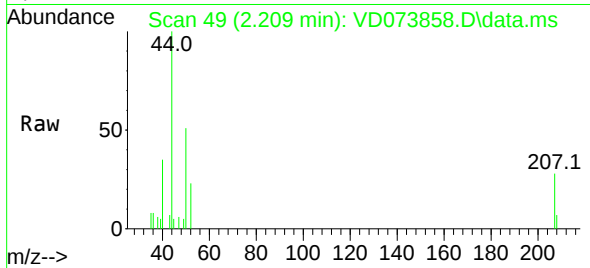




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

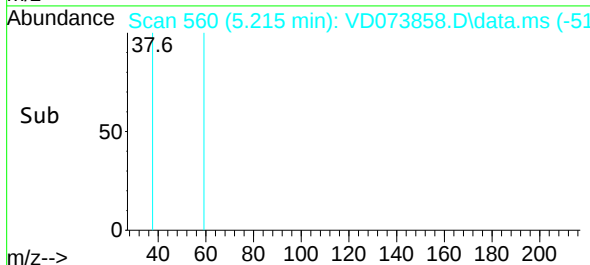
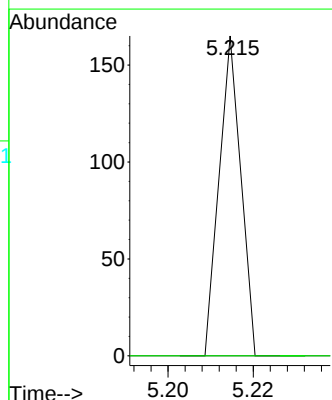
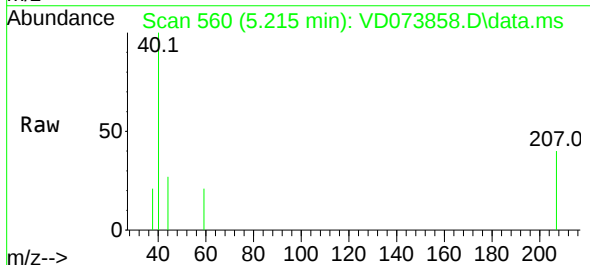
Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

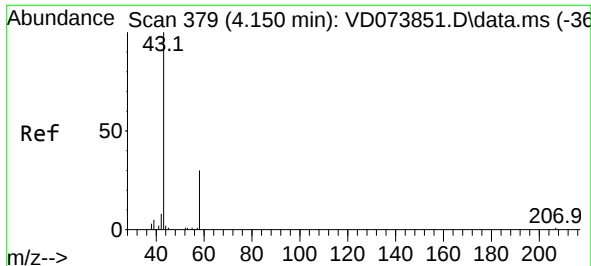
Tgt Ion: 50 Resp: 2003
Ion Ratio Lower Upper
50 100
52 44.7 27.4 41.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.005 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

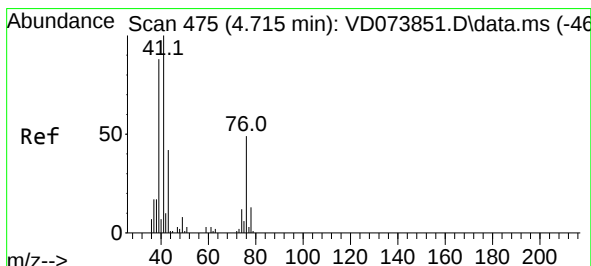
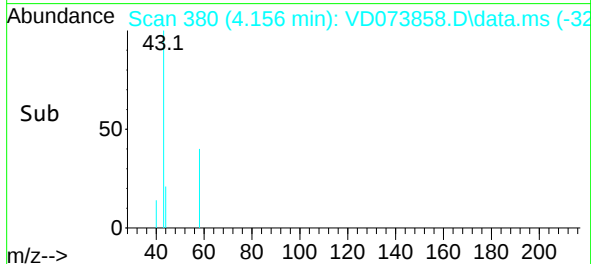
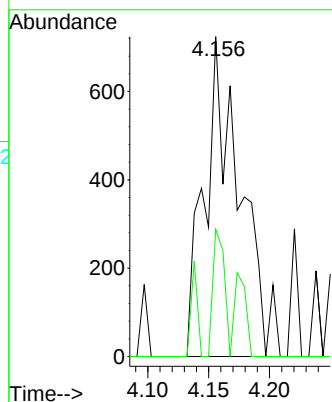
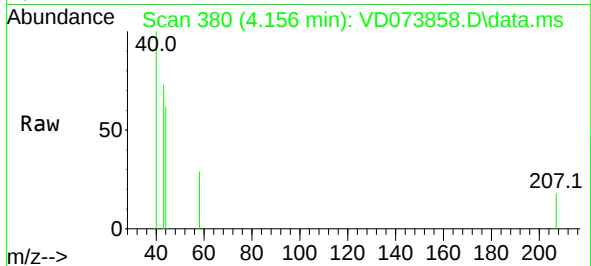




#16
Acetone
Concen: 6.366 ug/l
RT: 4.156 min Scan# 311
Delta R.T. 0.006 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

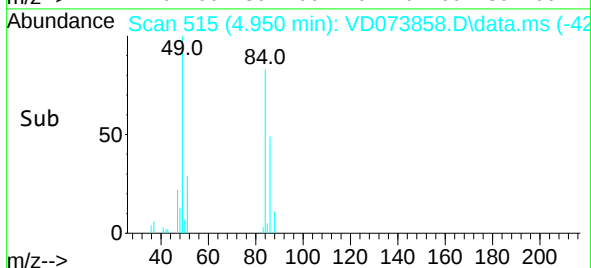
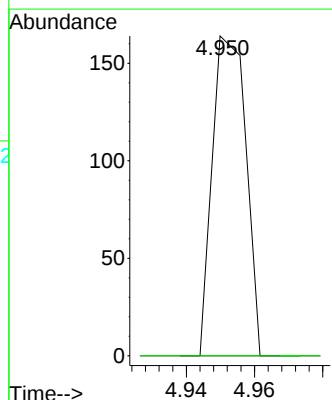
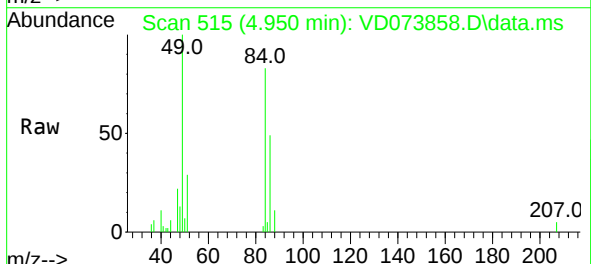
Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

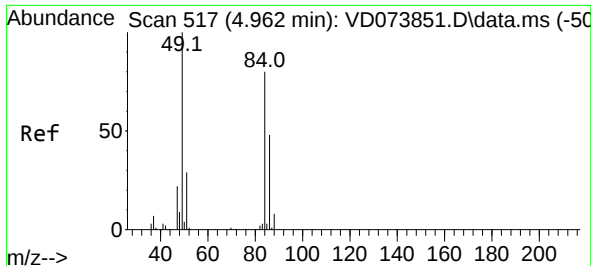
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 39.8 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. 0.235 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

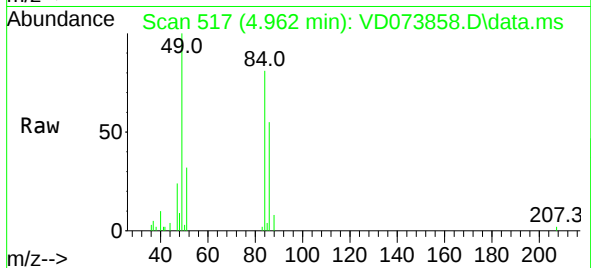
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



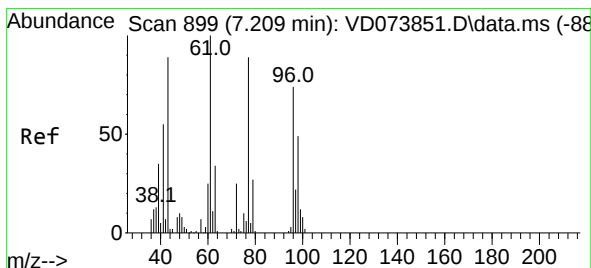
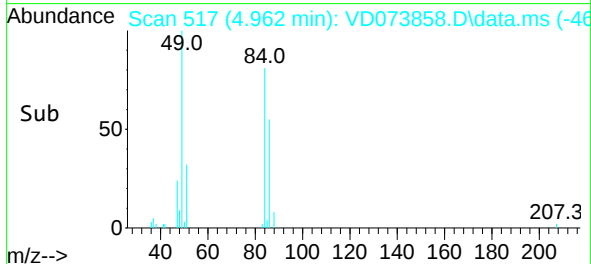
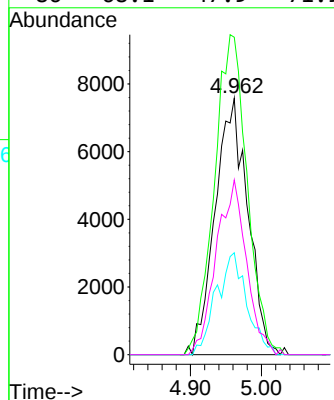


#20
Methylene Chloride
Concen: 3.149 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

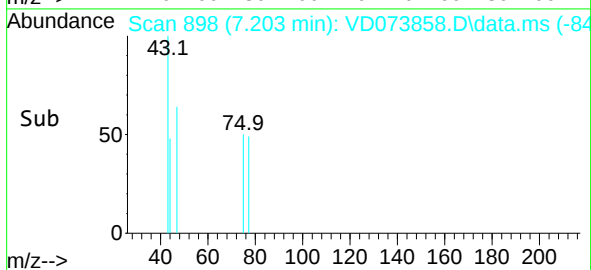
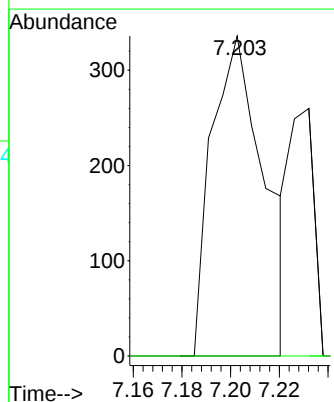
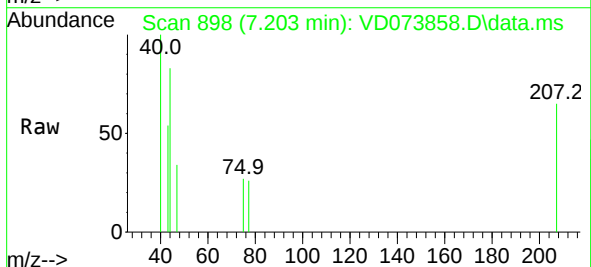


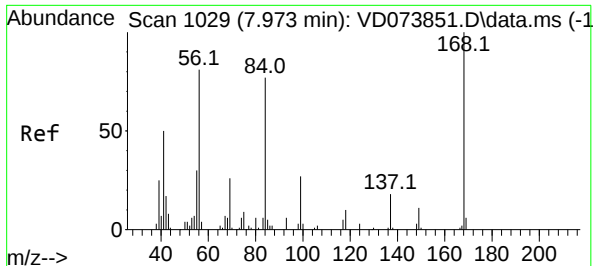
Tgt Ion: 84	Resp: 24161
Ion Ratio	Lower Upper
84 100	
49 123.7	112.8 169.2
51 39.8	32.6 48.8
86 68.1	47.9 71.9



#25
2-Butanone
Concen: 1.545 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Tgt Ion: 43	Resp: 503
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#

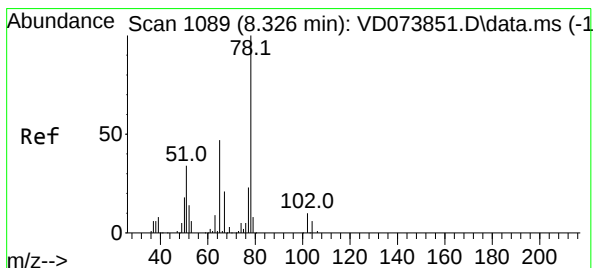
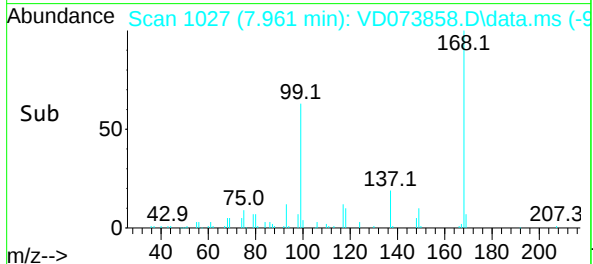
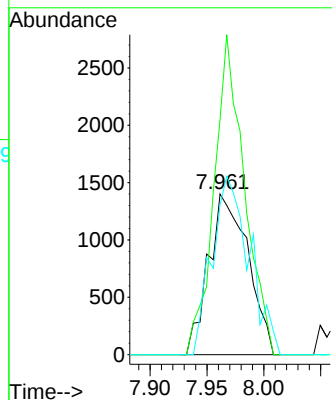
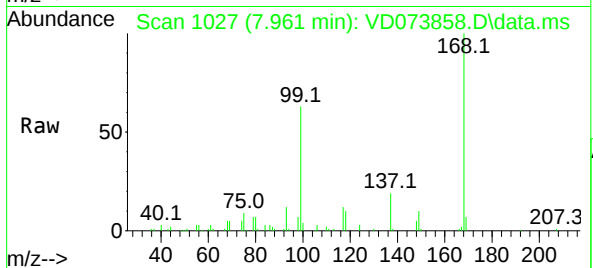




#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

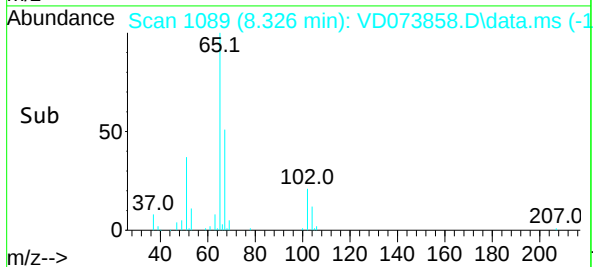
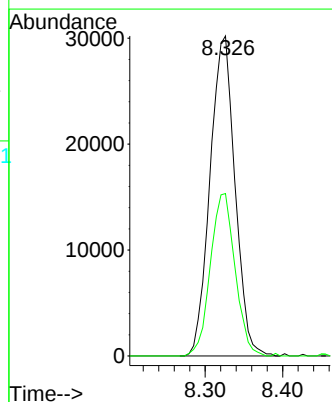
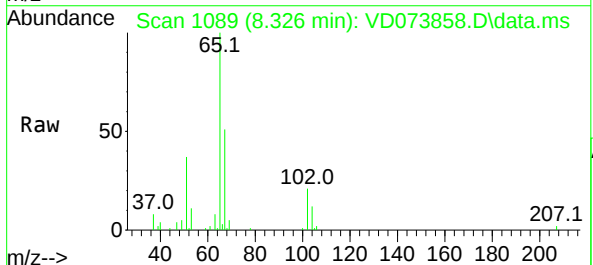
Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

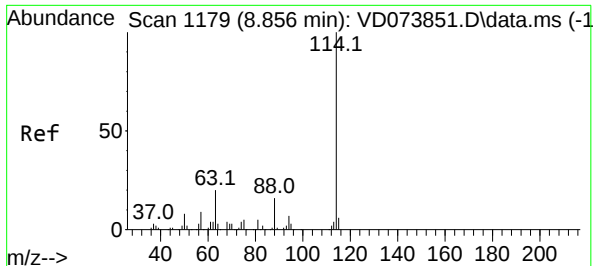
Tgt Ion: 56 Resp: 3367
Ion Ratio Lower Upper
56 100
69 146.3 25.4 38.2#
84 93.3 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 48.385 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Tgt Ion: 65 Resp: 67625
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073858.D

Acq: 19 Jul 2022 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0719SBL01

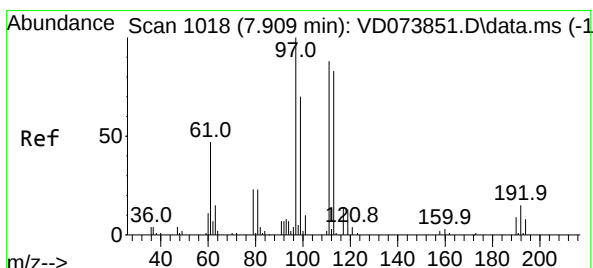
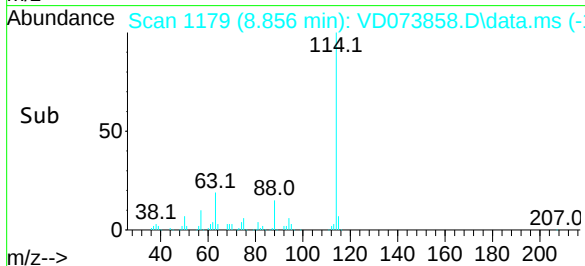
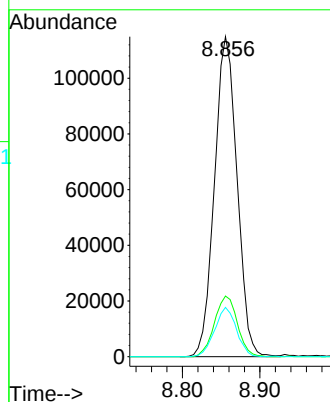
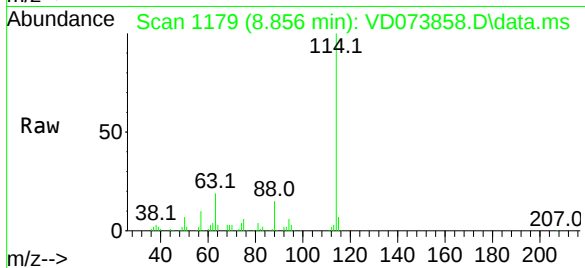
Tgt Ion:114 Resp: 232488

Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.455 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073858.D

Acq: 19 Jul 2022 13:41

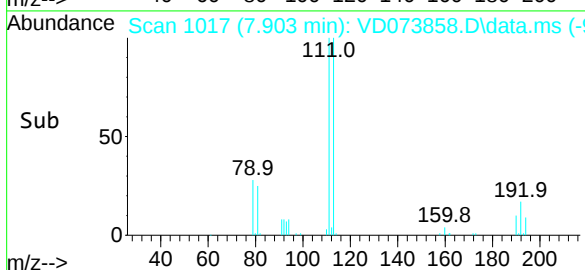
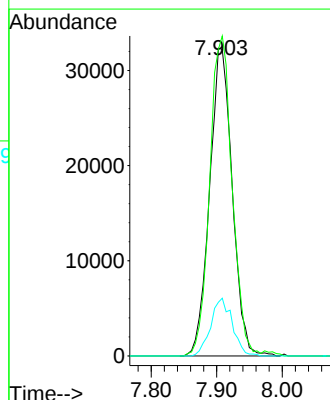
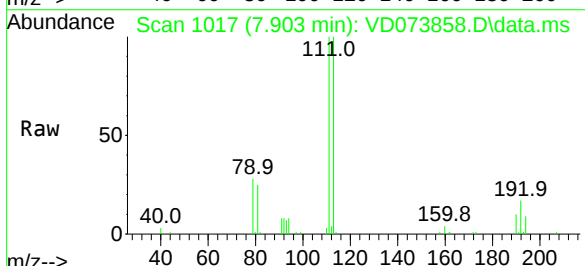
Tgt Ion:113 Resp: 77834

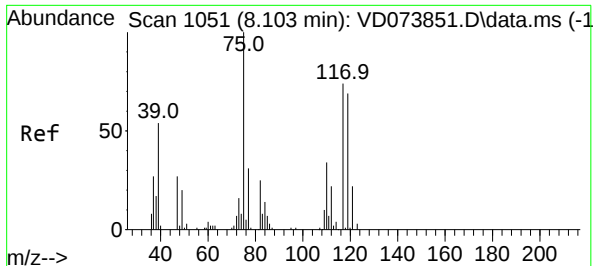
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.410 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073858.D

Acq: 19 Jul 2022 13:41

Instrument :

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ClientSampleId :

VD0719SBL01

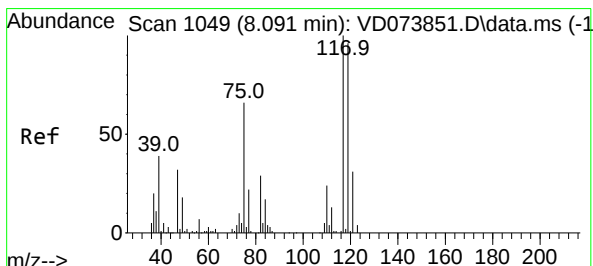
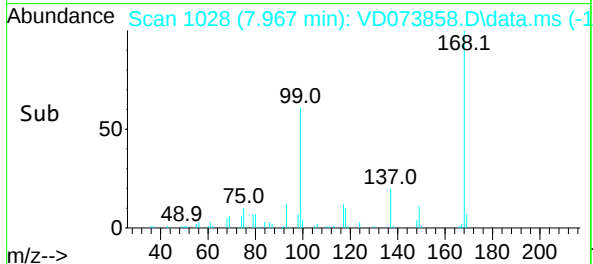
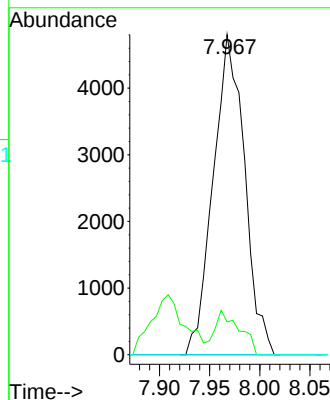
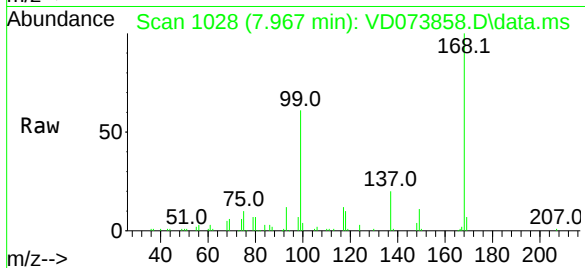
Tgt Ion: 75 Resp: 10435

Ion Ratio Lower Upper

75 100

110 11.1 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.776 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073858.D

Acq: 19 Jul 2022 13:41

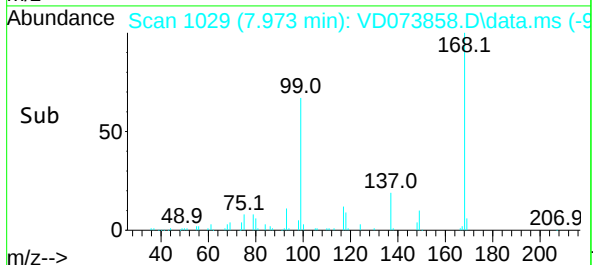
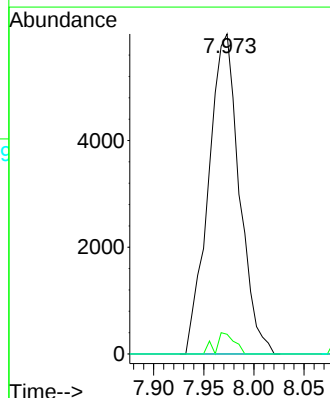
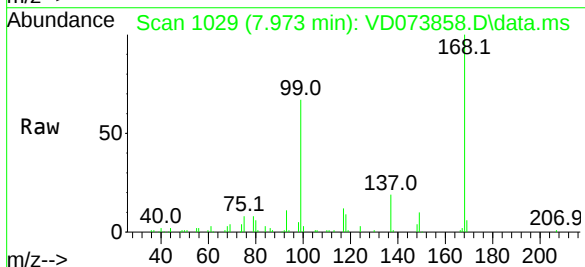
Tgt Ion: 117 Resp: 12906

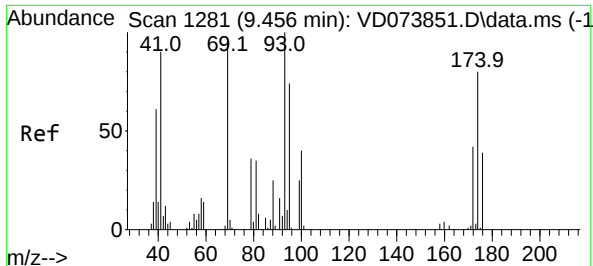
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 7.696 ug/l

RT: 9.550 min Scan# 1297

Delta R.T. 0.094 min

Lab File: VD073858.D

Acq: 19 Jul 2022 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0719SBL01

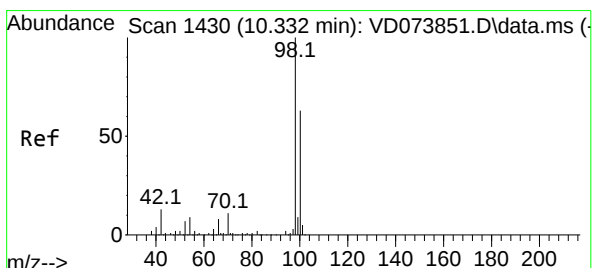
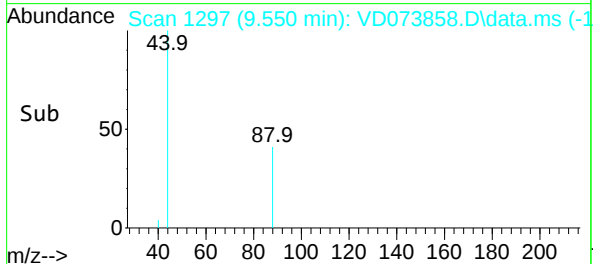
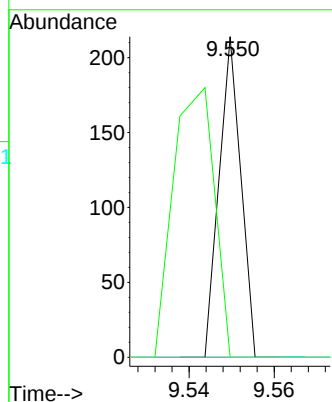
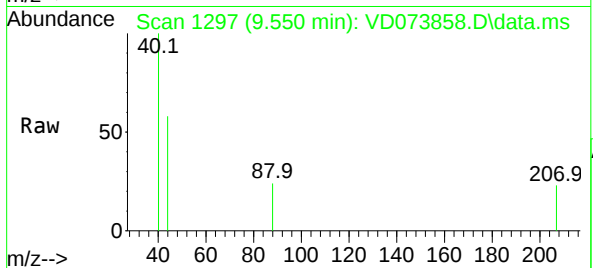
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 157.9 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 49.256 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073858.D

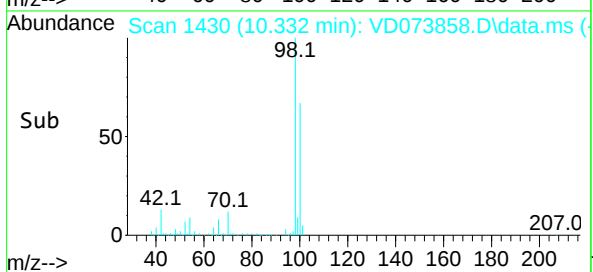
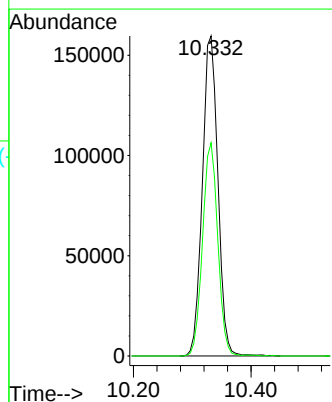
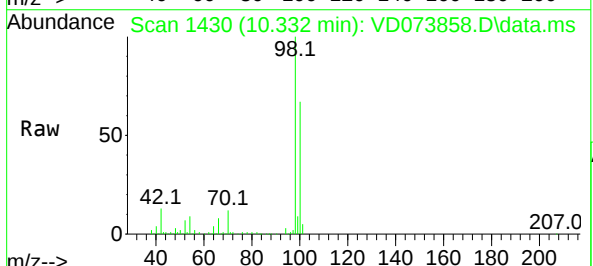
Acq: 19 Jul 2022 13:41

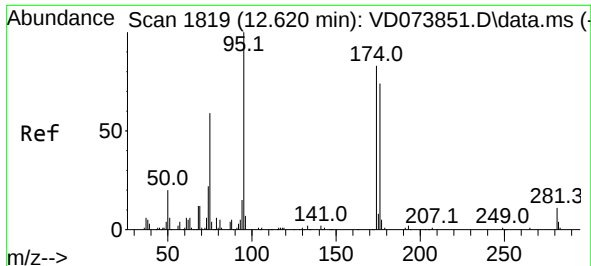
Tgt Ion: 98 Resp: 293278

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6

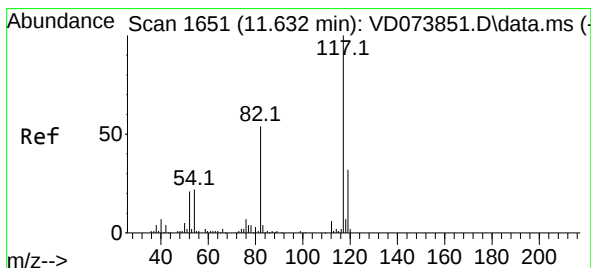
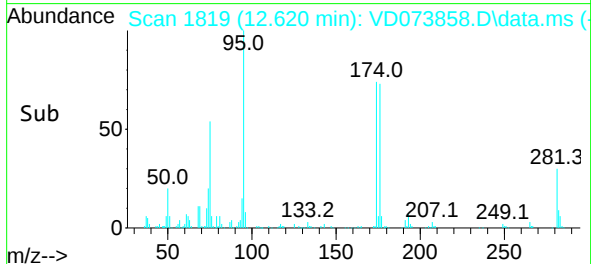
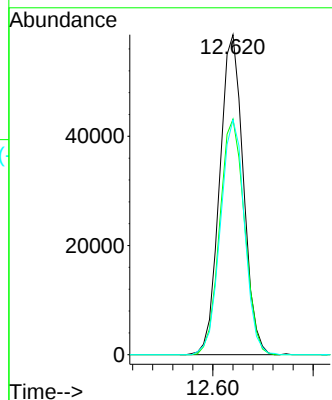
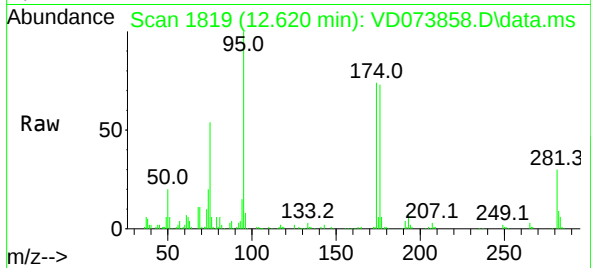




#62
4-Bromofluorobenzene
Concen: 46.841 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

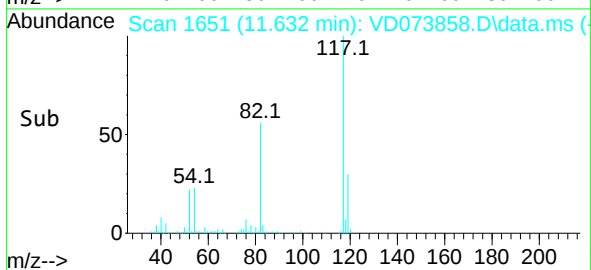
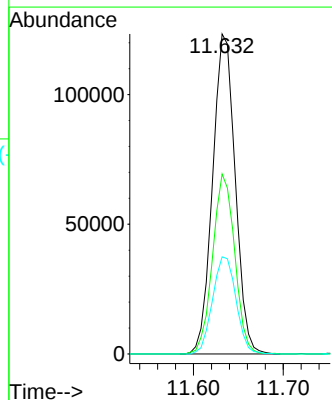
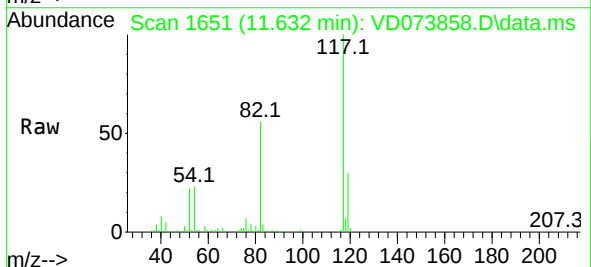
Instrument :
MSVOA_D
ClientSampleId :
VD0719SBL01

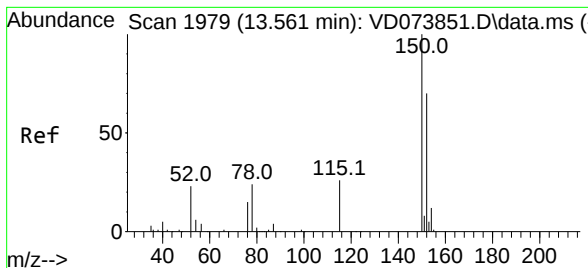
Tgt Ion: 95 Resp: 95890
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073858.D
Acq: 19 Jul 2022 13:41

Tgt Ion: 117 Resp: 215756
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 30.3 26.6 40.0

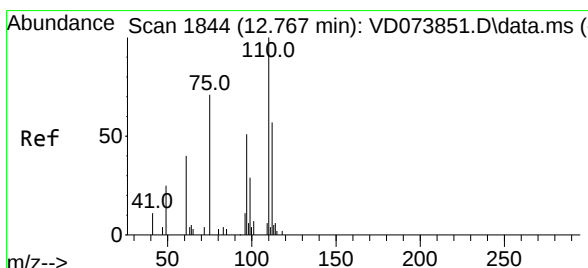
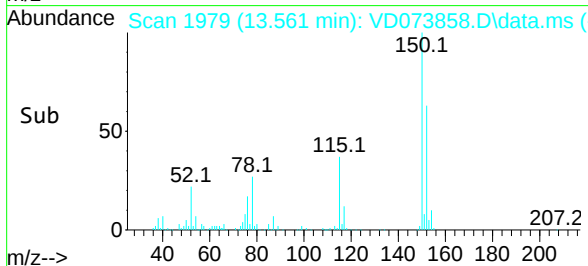
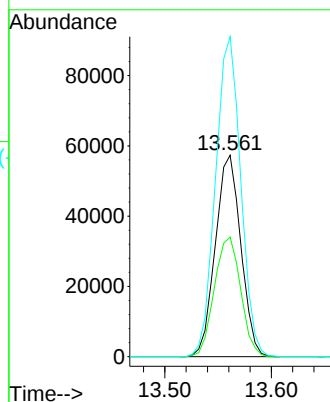
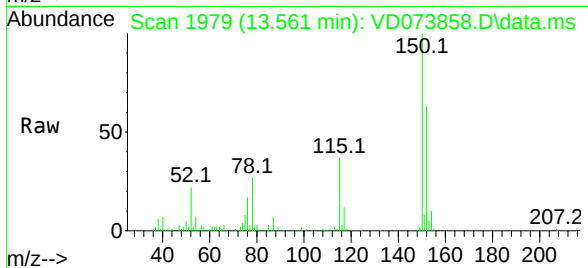




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073858.D
 Acq: 19 Jul 2022 13:41

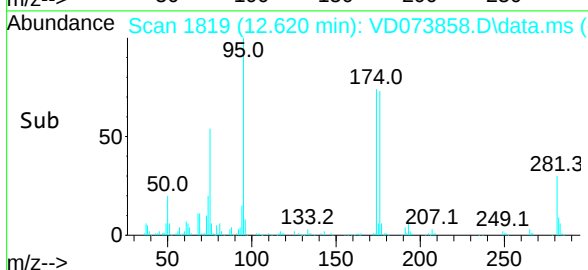
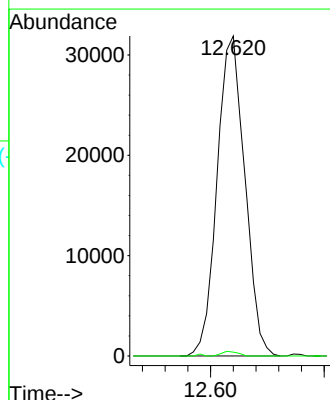
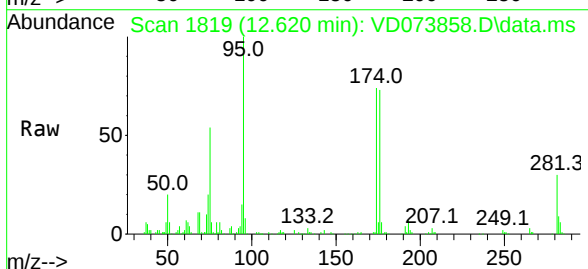
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBL01

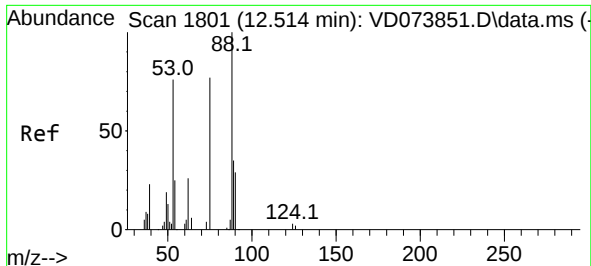
Tgt Ion:152 Resp: 95292
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.3 93.8
 150 156.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 52.809 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073858.D
 Acq: 19 Jul 2022 13:41

Tgt Ion: 75 Resp: 53994
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.501 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073858.D
 Acq: 19 Jul 2022 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBL01

Tgt Ion: 75 Resp: 53994
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 1.0 33.9 50.9#

