

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060222\
 Data File : VD073465.D
 Acq On : 02 Jun 2022 12:00
 Operator : VA/SY
 Sample : N3113-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 357

Quant Time: Jun 03 01:28:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

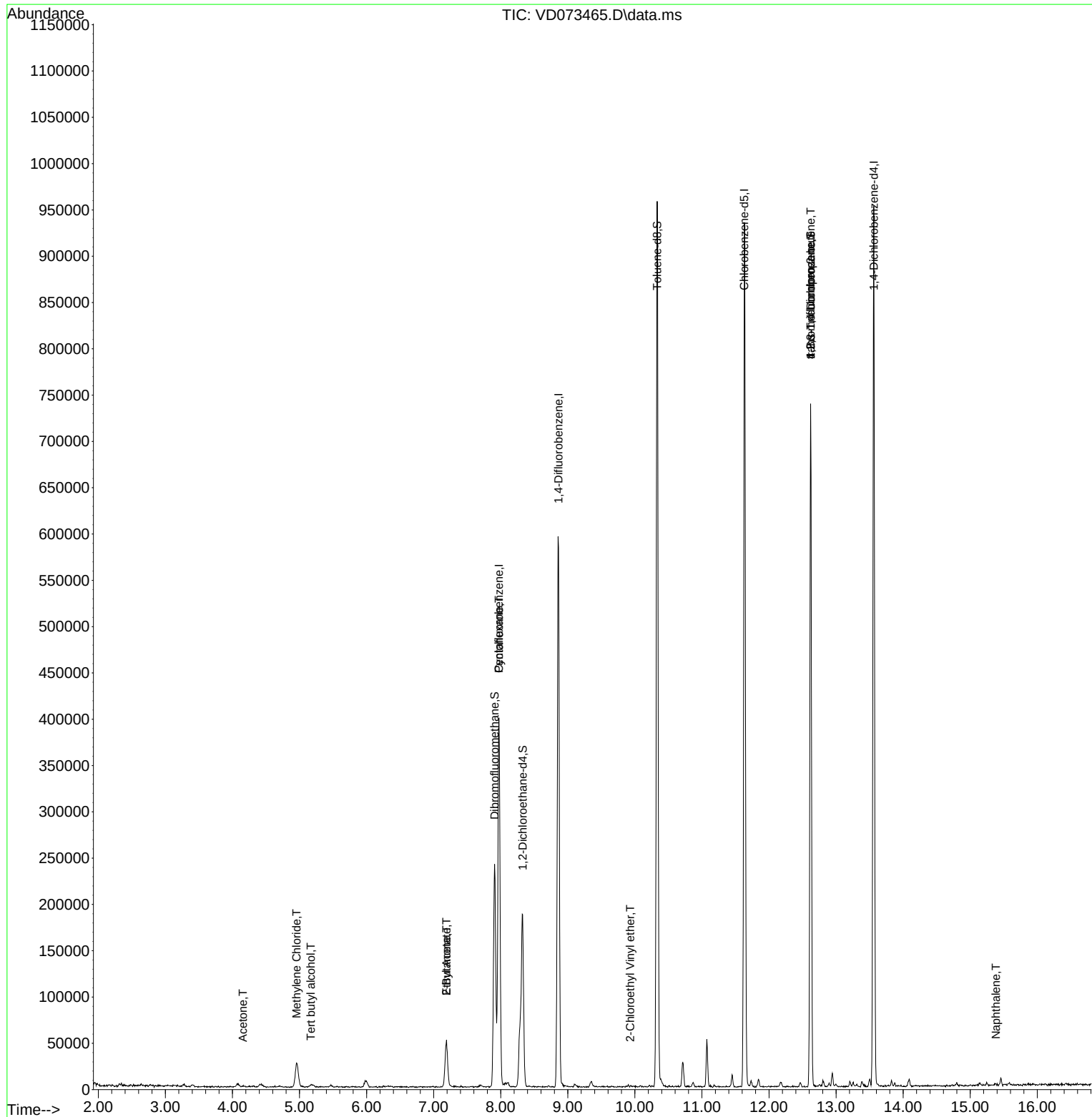
Internal Standards						
1) Pentafluorobenzene	7.973	168	295181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	527089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	555529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	142375	43.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.280%
35) Dibromofluoromethane	7.909	113	174415	50.147	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.300%
50) Toluene-d8	10.332	98	652818	50.918	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.840%
62) 4-Bromofluorobenzene	12.620	95	243197	54.050	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1438	Below Cal	#	79
11) Tert butyl alcohol	5.168	59	1846	3.647	ug/l #	74
16) Acetone	4.156	43	926	1.639	ug/l #	47
20) Methylene Chloride	4.956	84	21172	2.081	ug/l #	74
25) 2-Butanone	7.191	43	2869	3.471	ug/l #	52
31) Cyclohexane	7.973	56	7995	1.402	ug/l #	1
37) Ethyl Acetate	7.191	43	2869	1.389	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.932	63	107	21.687	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	123817	48.920	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	123817	117.441	ug/l #	7
95) Naphthalene	15.385	128	1718	3.731	ug/l #	87

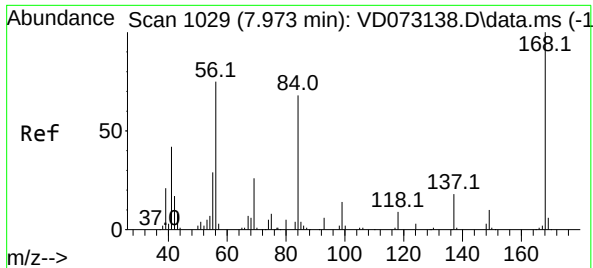
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 03 01:28:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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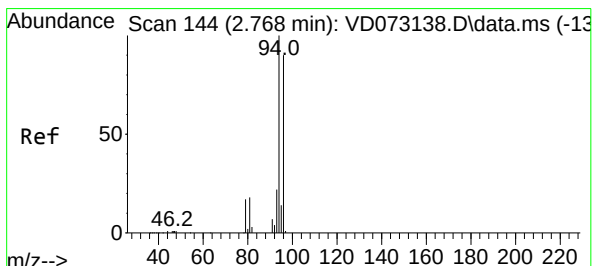
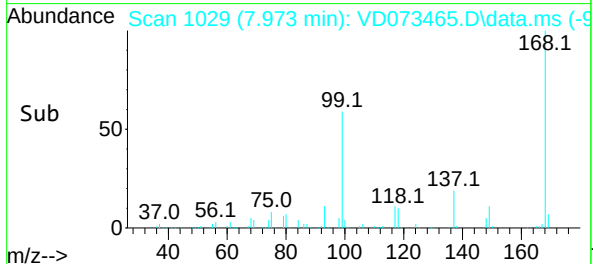
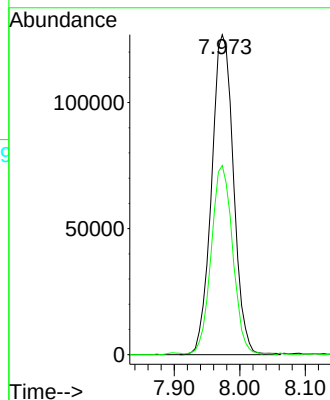
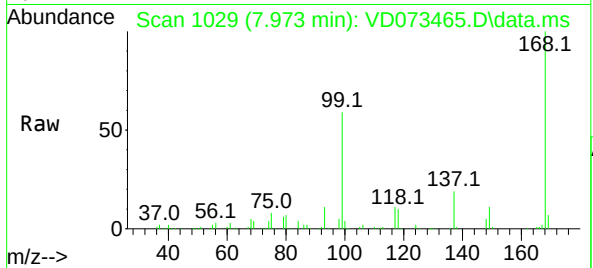




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

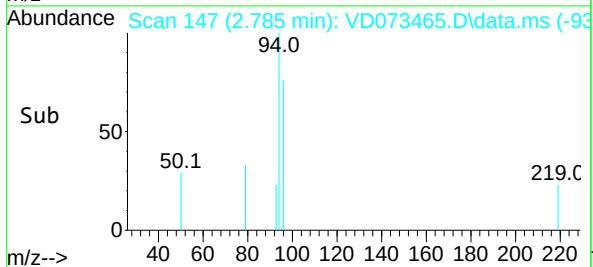
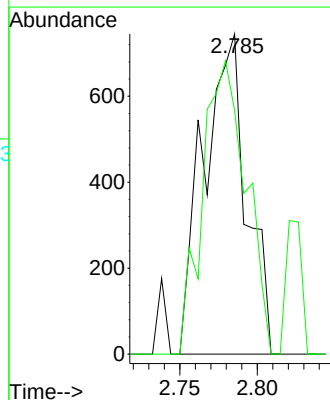
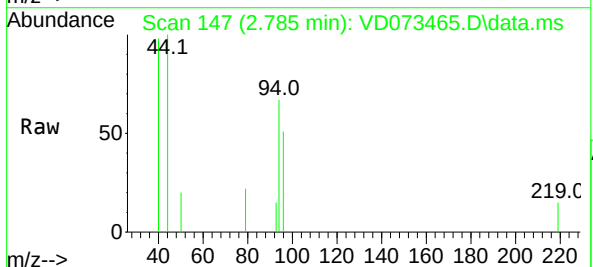
Instrument :
MSVOA_D
ClientSampleId :
357

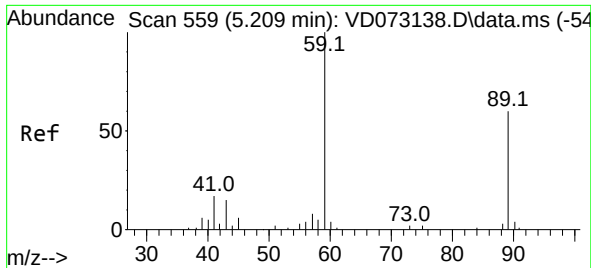
Tgt Ion:168 Resp: 295181
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion: 94 Resp: 1438
Ion Ratio Lower Upper
94 100
96 76.1 77.6 116.4#

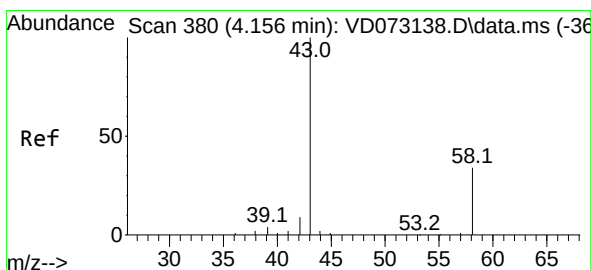
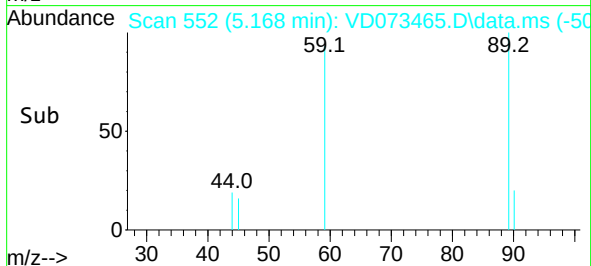
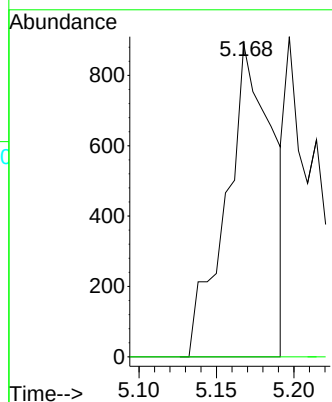
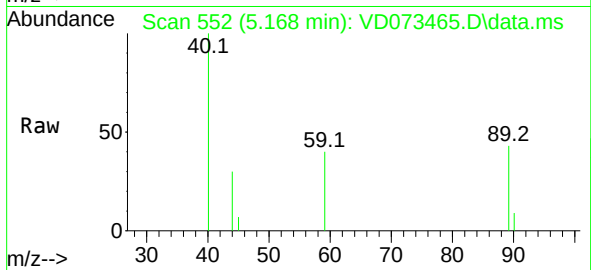




#11
Tert butyl alcohol
Concen: 3.647 ug/l
RT: 5.168 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

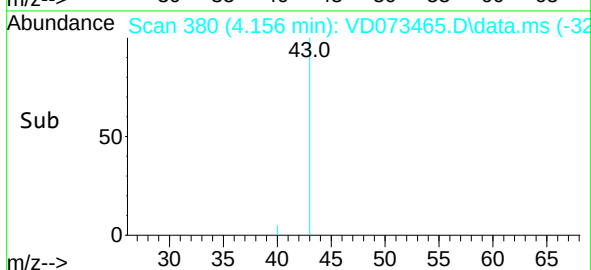
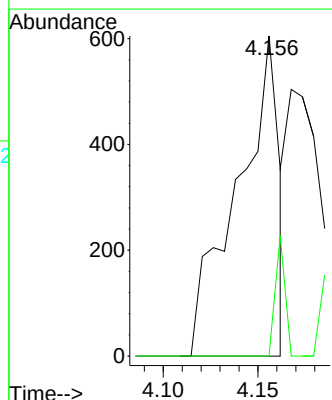
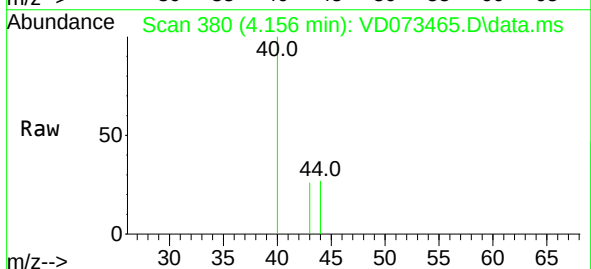
Instrument :
MSVOA_D
ClientSampleId :
357

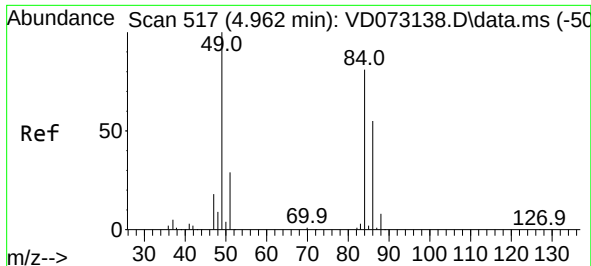
Tgt Ion: 59 Resp: 1846
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.639 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

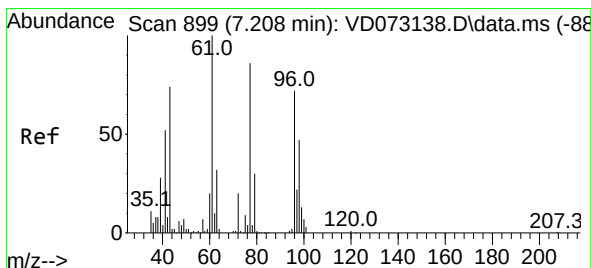
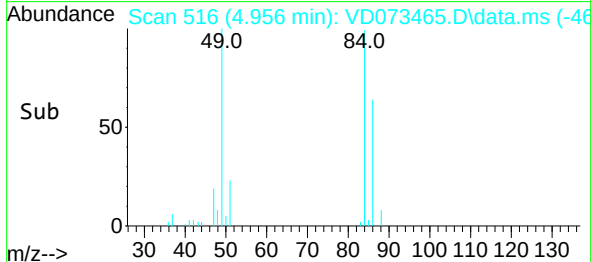
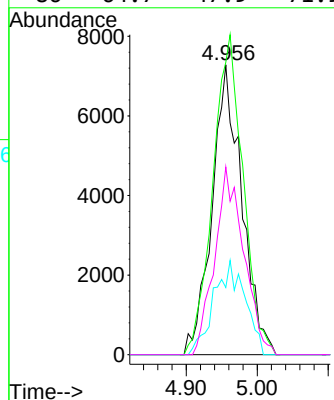
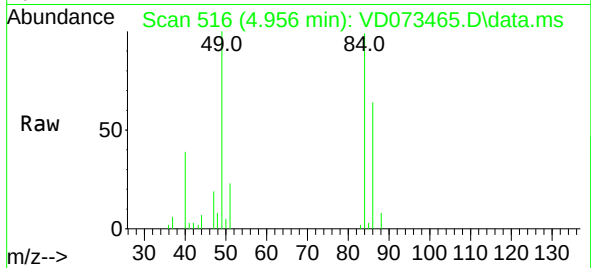




#20
Methylene Chloride
Concen: 2.081 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

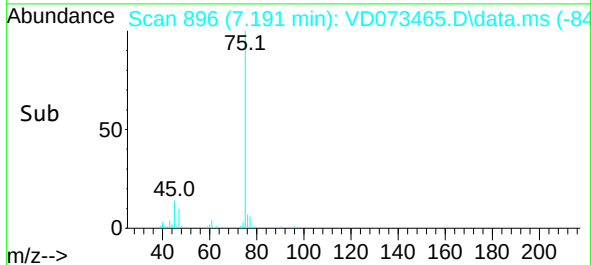
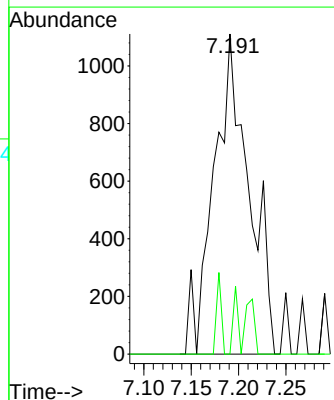
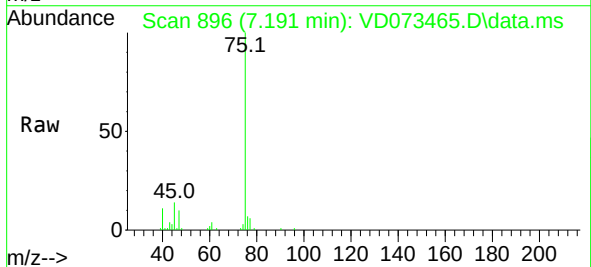
Instrument :
MSVOA_D
ClientSampleId :
357

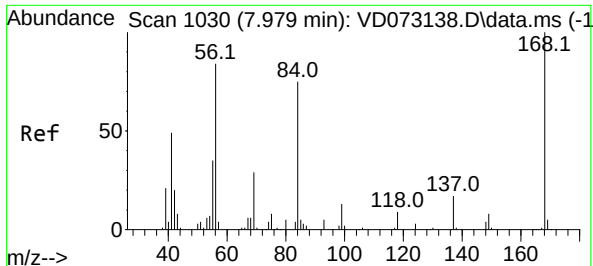
Tgt Ion: 84	Resp: 21172
Ion Ratio	Lower Upper
84 100	
49 100.8	112.8 169.2#
51 23.2	32.6 48.8#
86 64.7	47.9 71.9



#25
2-Butanone
Concen: 3.471 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion: 43	Resp: 2869
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#





#31

Cyclohexane

Concen: 1.402 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073465.D

Acq: 02 Jun 2022 12:00

Instrument :

MSVOA_D

ClientSampleId :

357

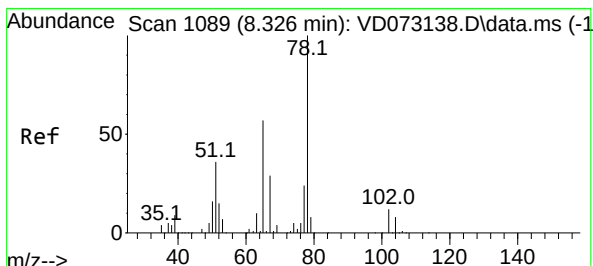
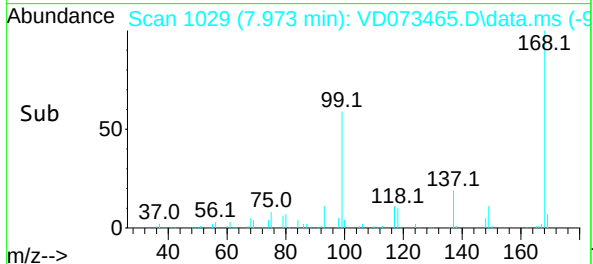
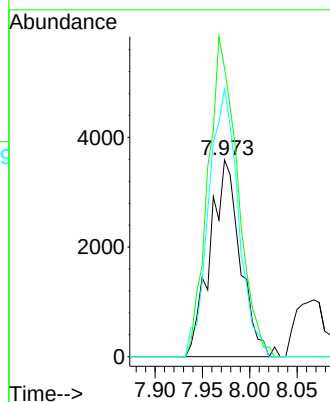
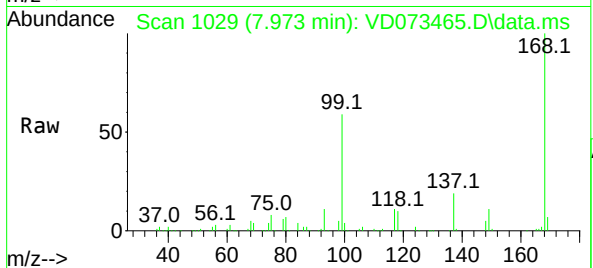
Tgt Ion: 56 Resp: 7995

Ion Ratio Lower Upper

56 100

69 146.7 25.4 38.2#

84 136.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 43.644 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073465.D

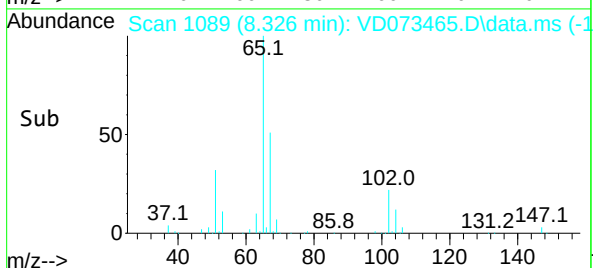
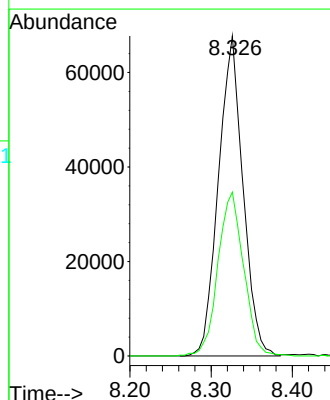
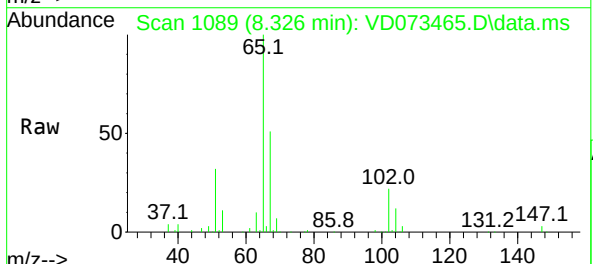
Acq: 02 Jun 2022 12:00

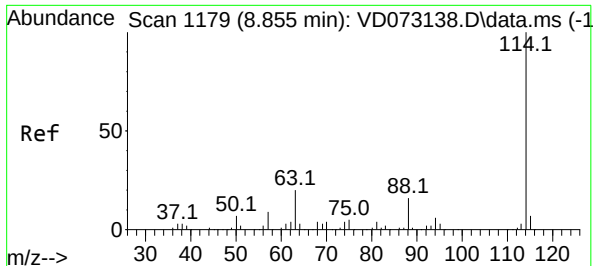
Tgt Ion: 65 Resp: 142375

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073465.D

Acq: 02 Jun 2022 12:00

Instrument :

MSVOA_D

ClientSampleId :

357

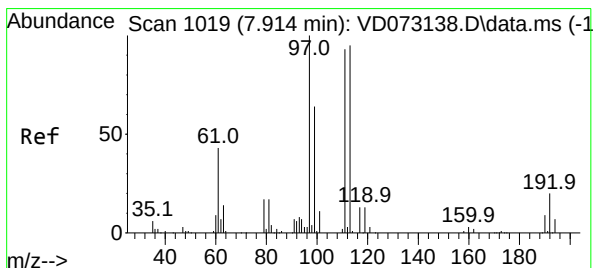
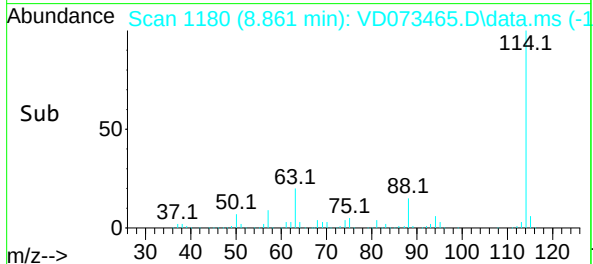
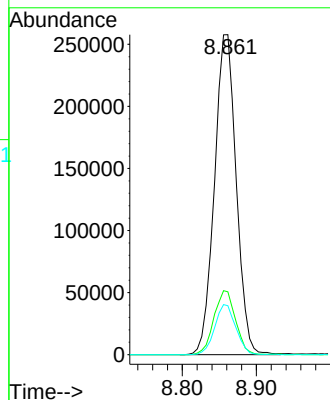
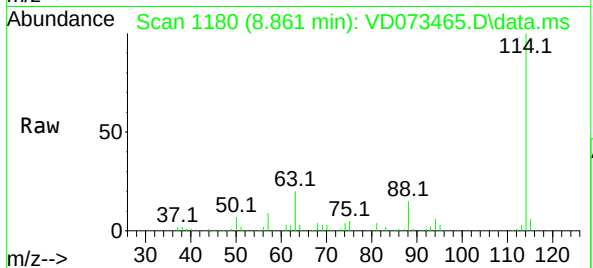
Tgt Ion:114 Resp: 527089

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.147 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073465.D

Acq: 02 Jun 2022 12:00

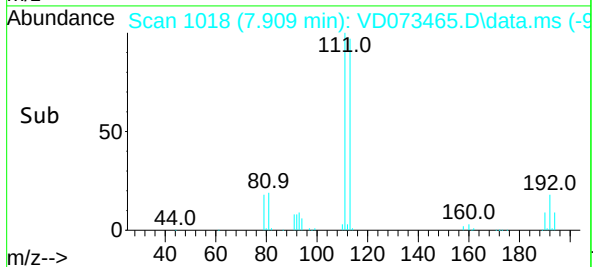
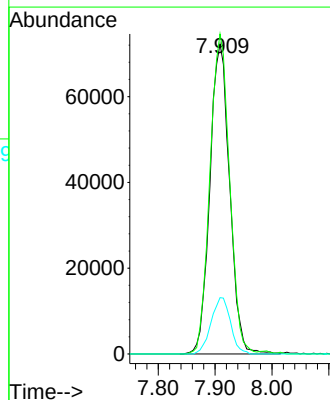
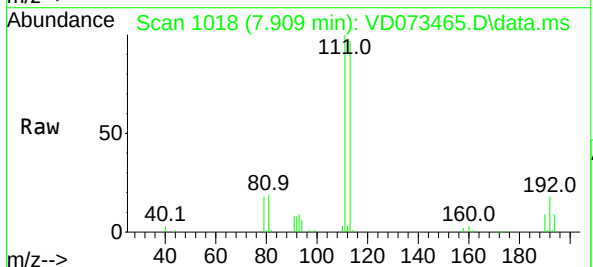
Tgt Ion:113 Resp: 174415

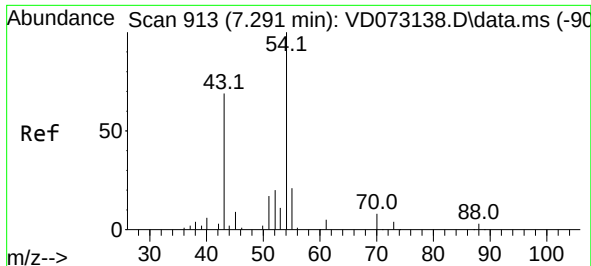
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 17.8 14.6 21.8

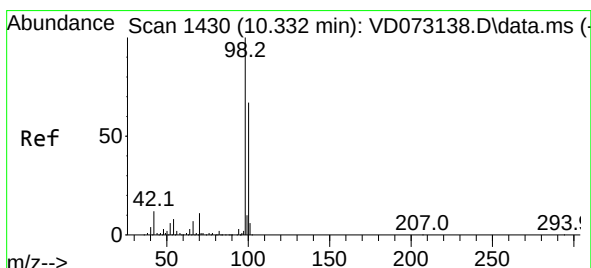
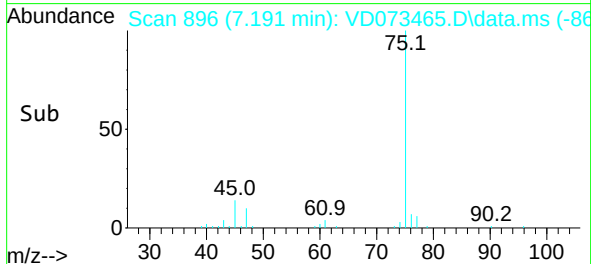
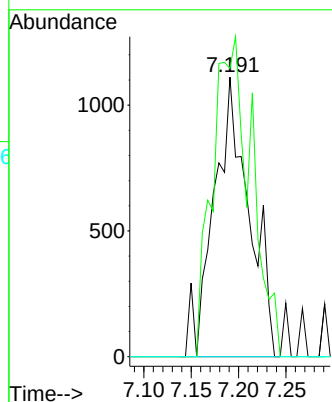
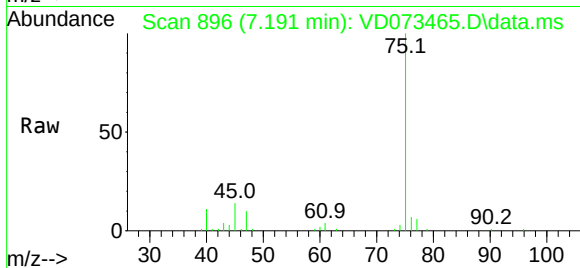




#37
Ethyl Acetate
Concen: 1.389 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.100 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

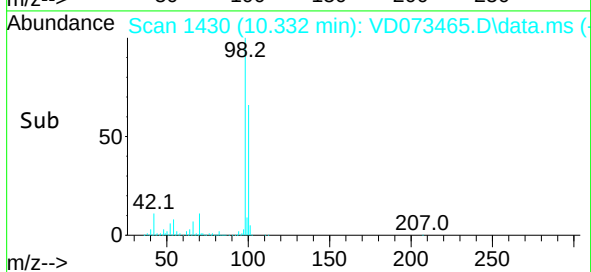
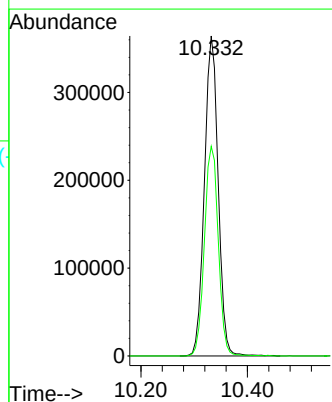
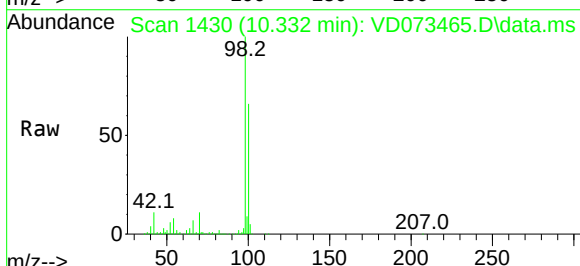
Instrument :
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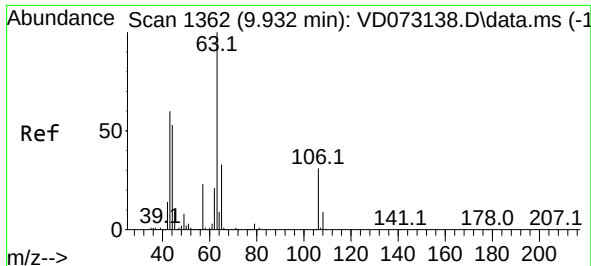
Tgt Ion: 43 Resp: 2869
Ion Ratio Lower Upper
43 100
61 125.9 9.8 14.8#
70 0.0 6.9 10.3#



#50
Toluene-d8
Concen: 50.918 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion: 98 Resp: 652818
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

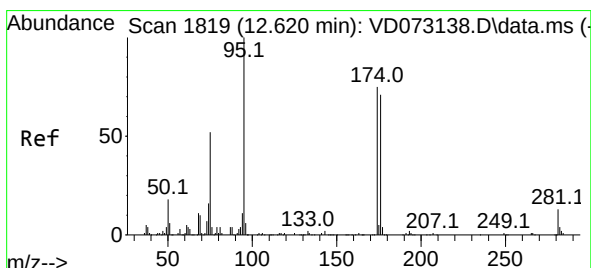
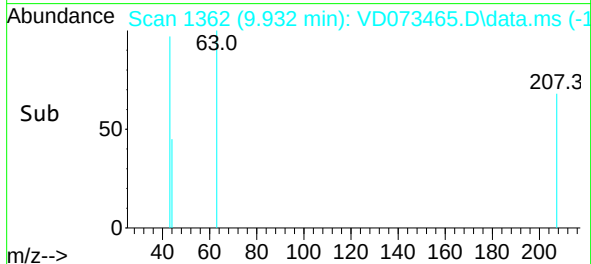
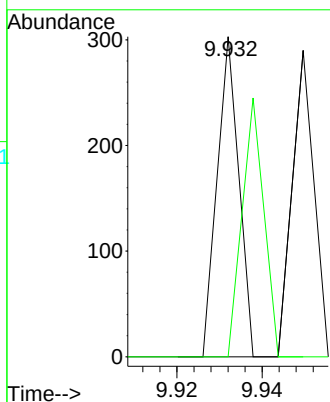
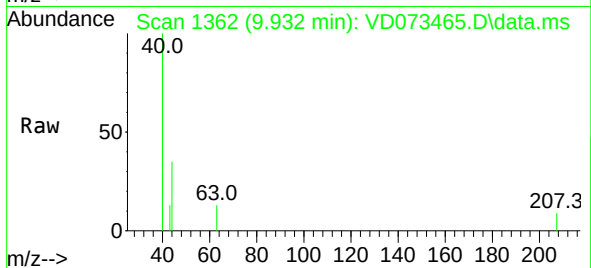




#58
2-Chloroethyl Vinyl ether
Concen: 21.687 ug/l
RT: 9.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

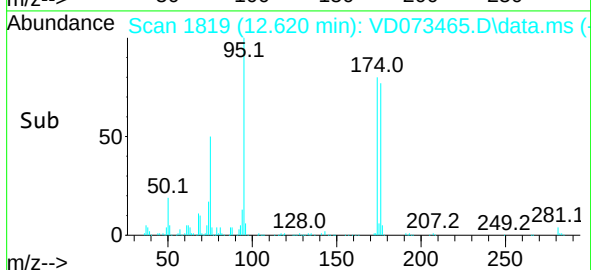
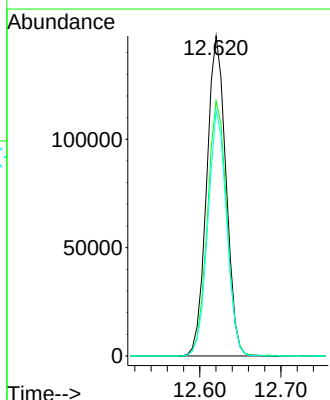
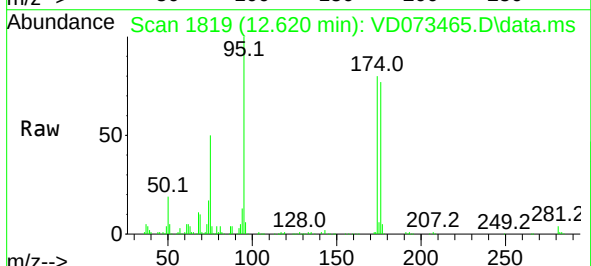
Instrument :
MSVOA_D
ClientSampleId :
357

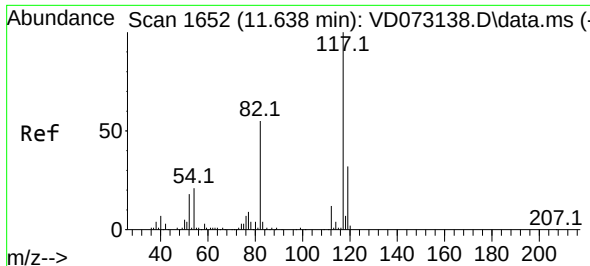
Tgt Ion: 63 Resp: 107
Ion Ratio Lower Upper
63 100
106 80.4 21.4 32.0#



#62
4-Bromofluorobenzene
Concen: 54.050 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion: 95 Resp: 243197
Ion Ratio Lower Upper
95 100
174 79.8 0.0 152.8
176 74.6 0.0 145.4

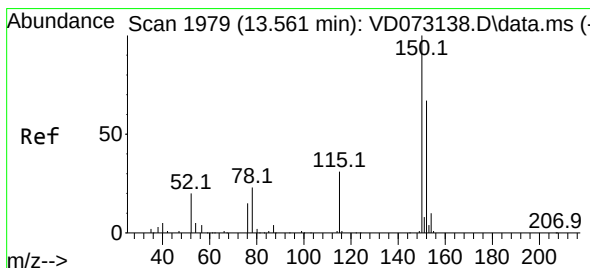
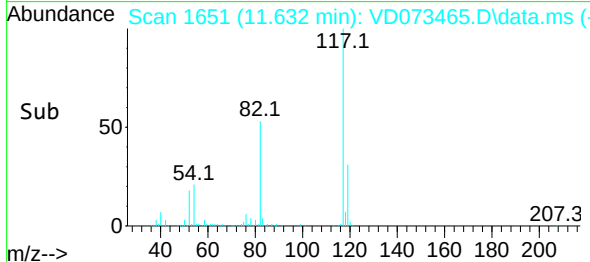
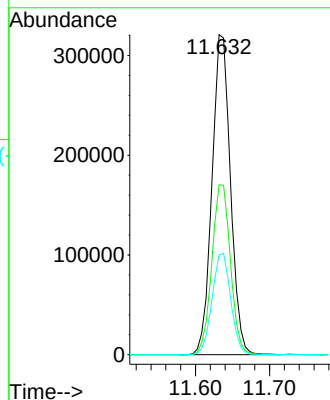
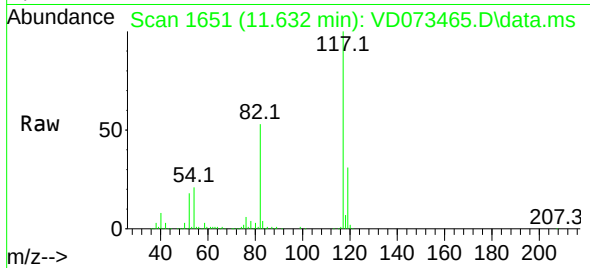




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

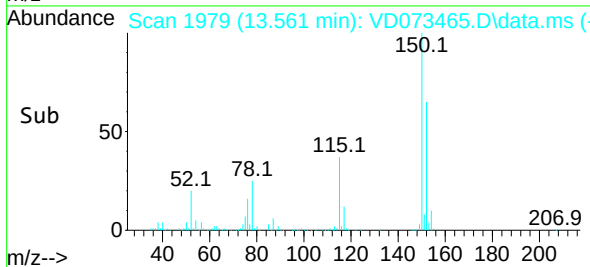
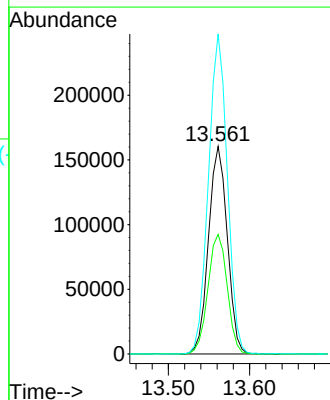
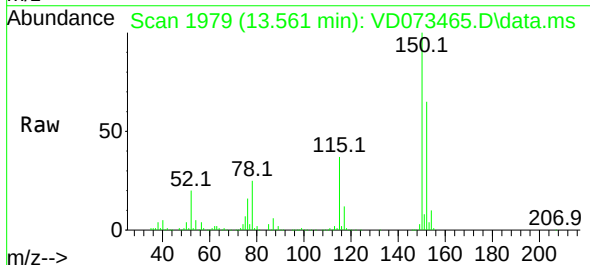
Instrument :
MSVOA_D
ClientSampleId :
357

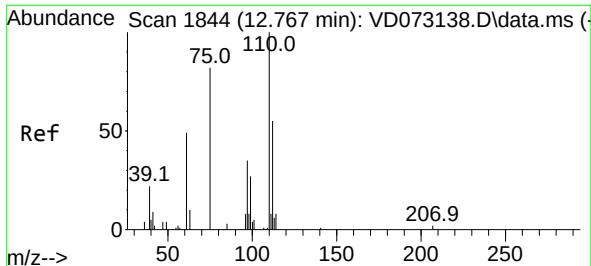
Tgt Ion:117 Resp: 555529
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 31.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

Tgt Ion:152 Resp: 257960
Ion Ratio Lower Upper
152 100
115 58.8 31.3 93.8
150 154.8 0.0 348.6

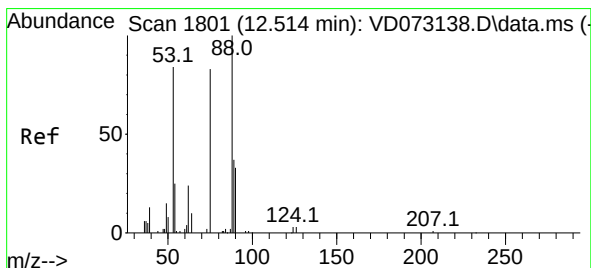
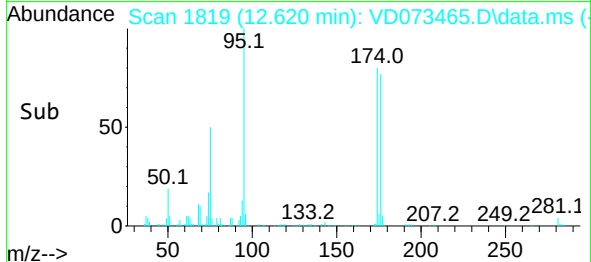
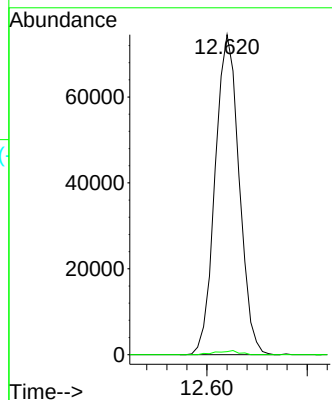
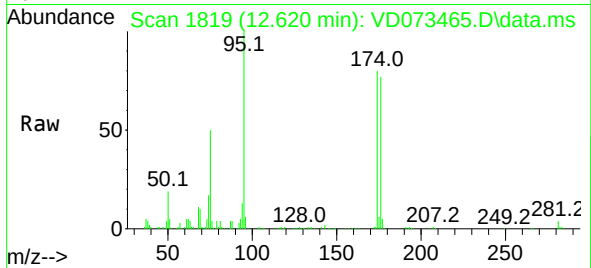




#76
1,2,3-Trichloropropane
Concen: 48.920 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

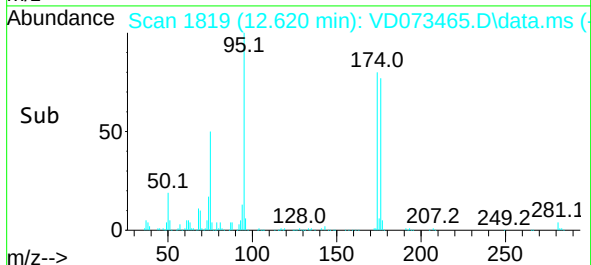
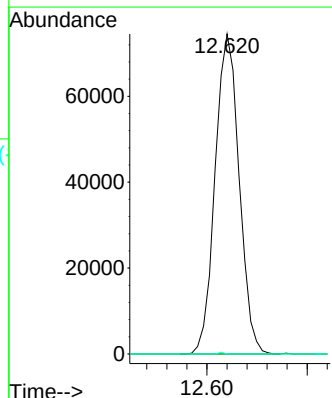
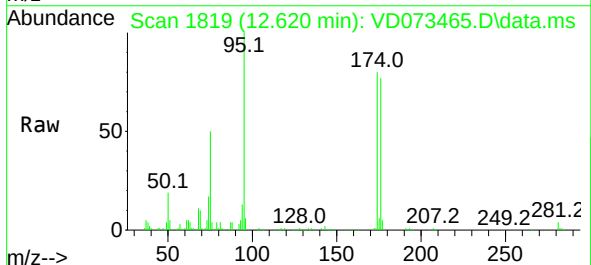
Instrument :
MSVOA_D
ClientSampleId :
357

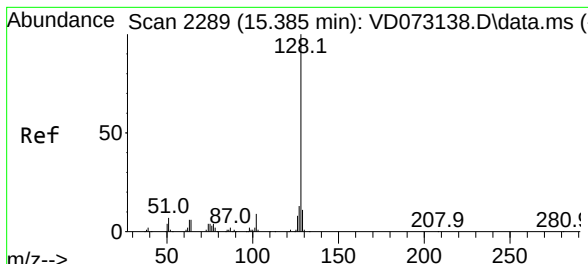
Tgt Ion: 75 Resp: 123817
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.441 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073465.D
Acq: 02 Jun 2022 12:00

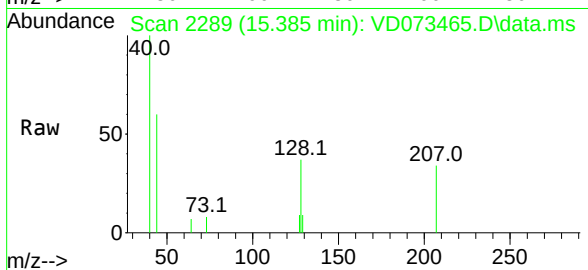
Tgt Ion: 75 Resp: 123817
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.731 ug/l
 RT: 15.385 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD073465.D
 Acq: 02 Jun 2022 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 357



Tgt Ion:	128	Resp:	1718
Ion	Ratio	Lower	Upper
128	100		
127	8.8	10.3	15.5#
129	4.5	8.4	12.6#

