

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073406.D
 Acq On : 27 May 2022 12:47
 Operator : VA/SY
 Sample : N2949-19RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 28 09:42:54 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)

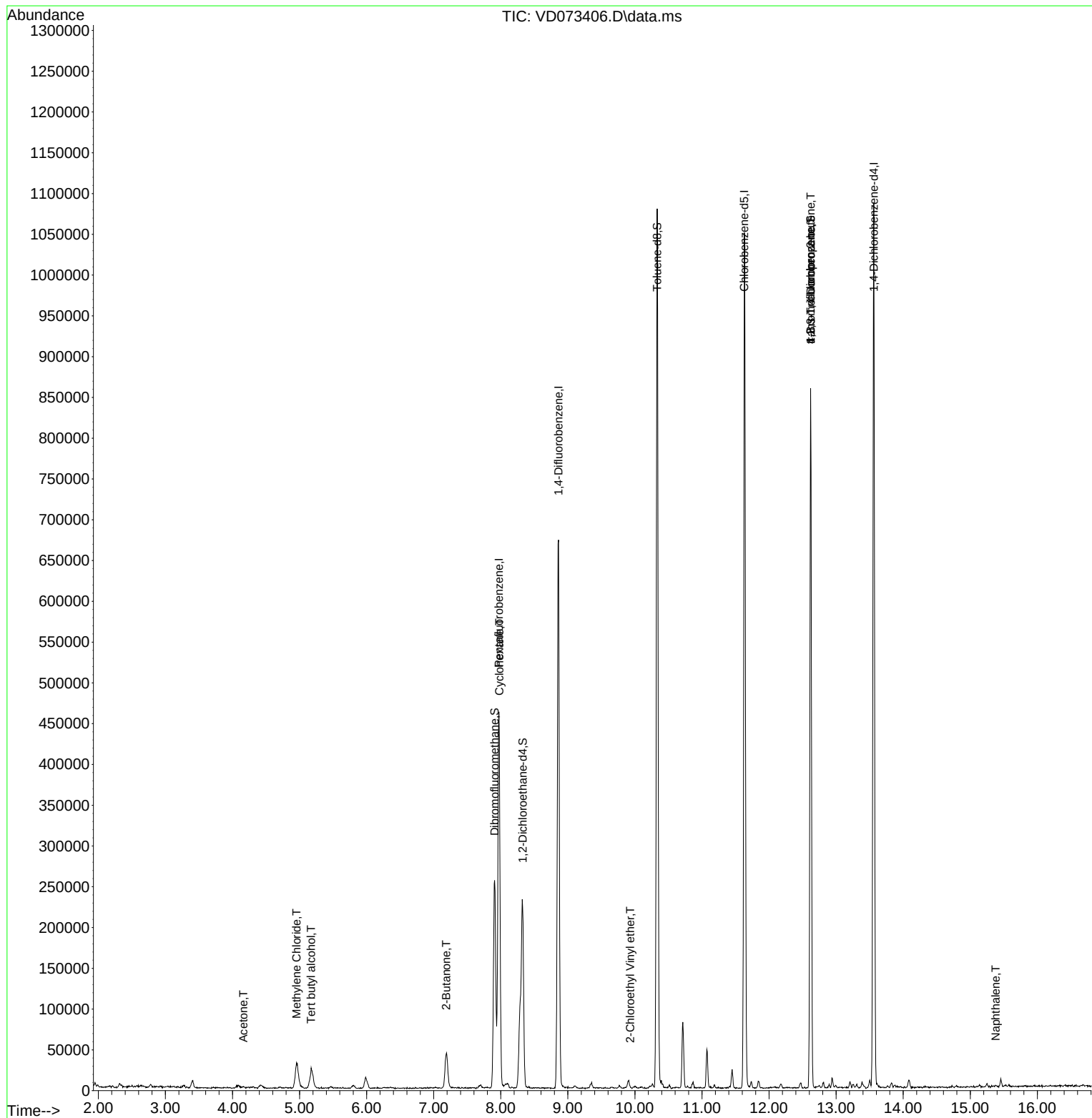
Internal Standards						
1) Pentafluorobenzene	7.973	168	336867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	579649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	610636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	291311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175699	47.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.380%
35) Dibromofluoromethane	7.908	113	187871	49.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.240%
50) Toluene-d8	10.332	98	721403	51.165	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.320%
62) 4-Bromofluorobenzene	12.620	95	273788	55.332	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.660%
Target Compounds						
5) Bromomethane	2.773	94	1704	Below Cal	Qvalue	84
11) Tert butyl alcohol	5.173	59	20448	35.402 ug/l	#	74
16) Acetone	4.161	43	3019	4.682 ug/l		97
20) Methylene Chloride	4.956	84	23776	1.978 ug/l	#	81
25) 2-Butanone	7.185	43	2825	2.994 ug/l	#	52
31) Cyclohexane	7.979	56	8968	1.378 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.932	63	76	21.663 ug/l	#	48
76) 1,2,3-Trichloropropane	12.620	75	136816	47.867 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	136816	114.914 ug/l	#	7
95) Naphthalene	15.379	128	1466	3.684 ug/l	#	72

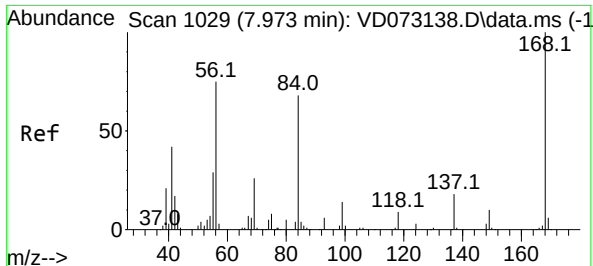
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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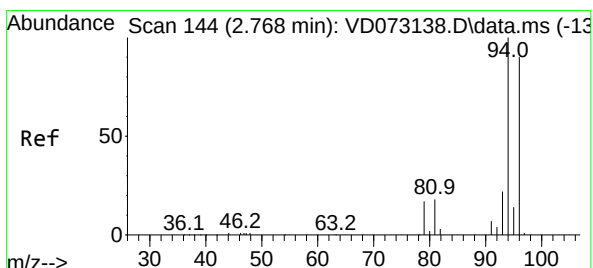
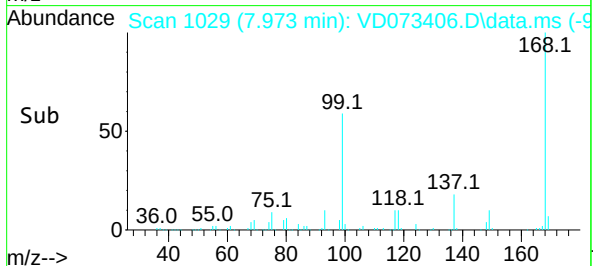
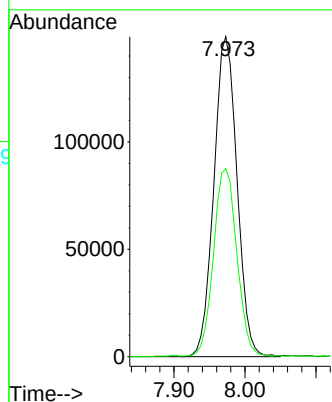
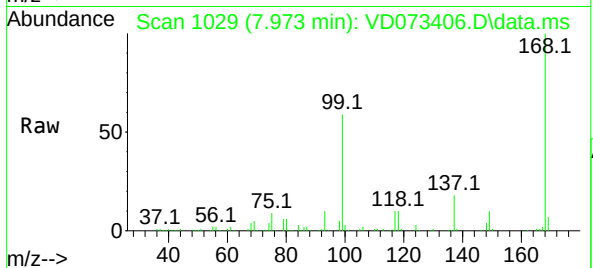




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

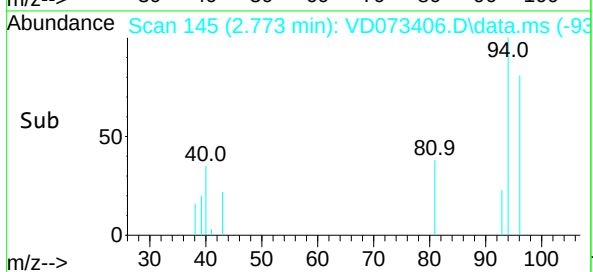
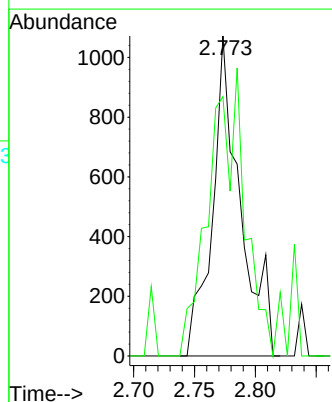
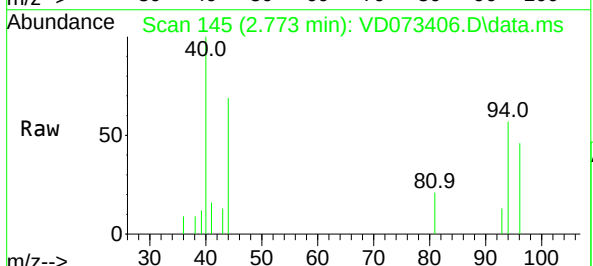
Instrument :
MSVOA_D
ClientSampleId :

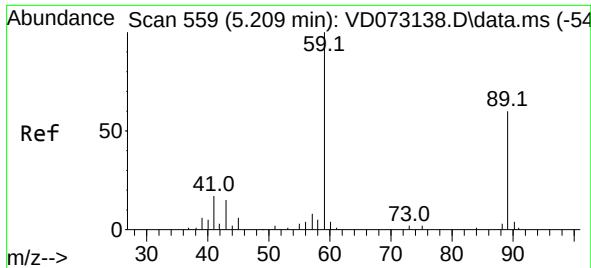
Tgt Ion:168 Resp: 336867
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

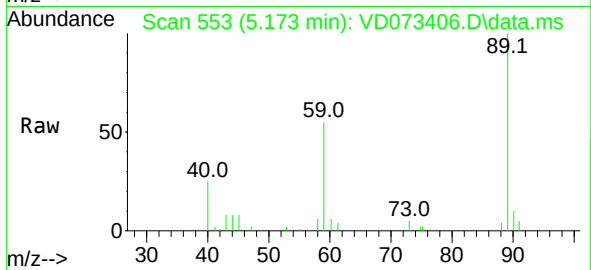
Tgt Ion: 94 Resp: 1704
Ion Ratio Lower Upper
94 100
96 81.1 77.6 116.4



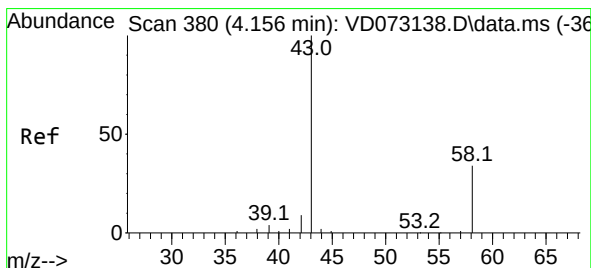
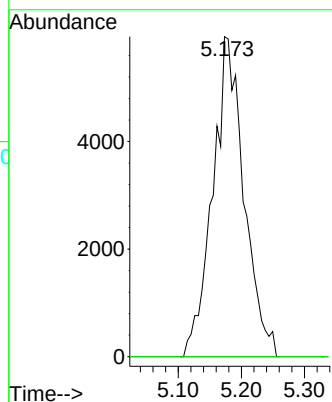


#11
Tert butyl alcohol
Concen: 35.402 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

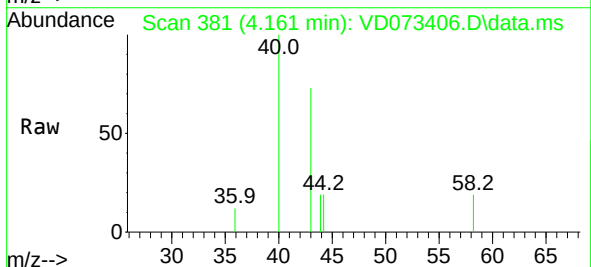
Instrument :
MSVOA_D
ClientSampleId :



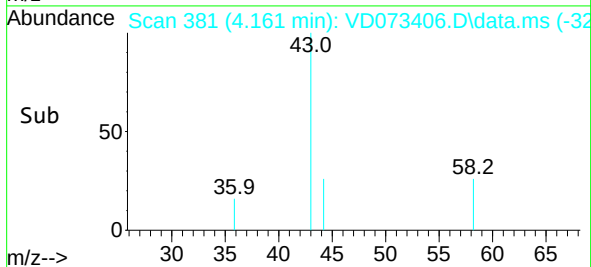
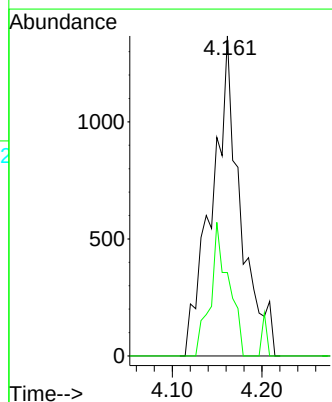
Tgt Ion: 59 Resp: 20448
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

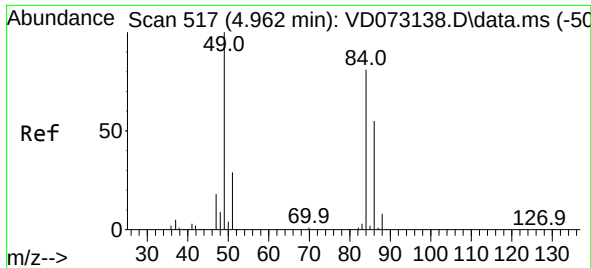


#16
Acetone
Concen: 4.682 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47



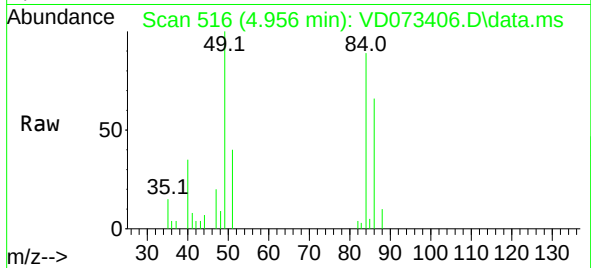
Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 26.0 22.1 33.1





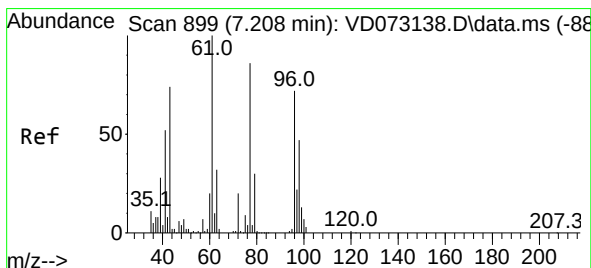
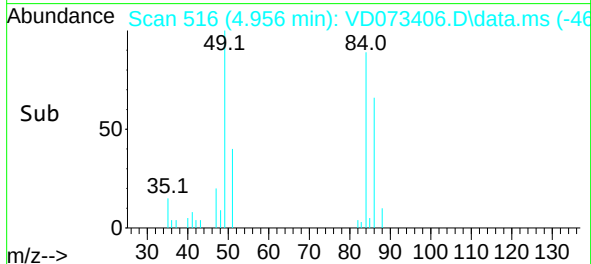
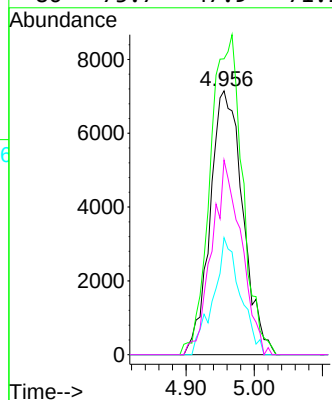
#20
Methylene Chloride
Concen: 1.978 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 23776

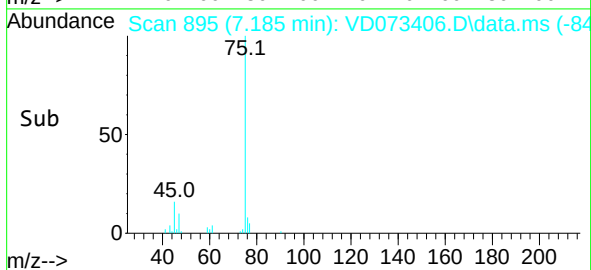
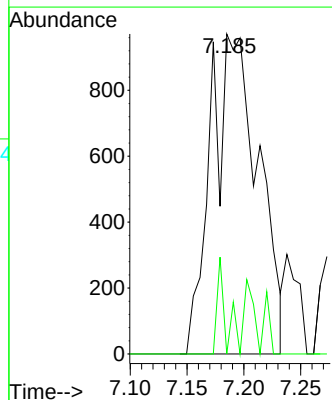
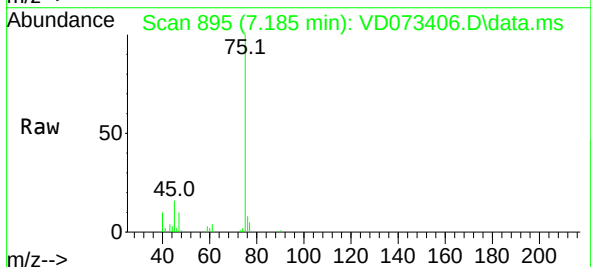
Ion	Ratio	Lower	Upper
84	100		
49	112.1	112.8	169.2#
51	44.3	32.6	48.8
86	73.7	47.9	71.9#

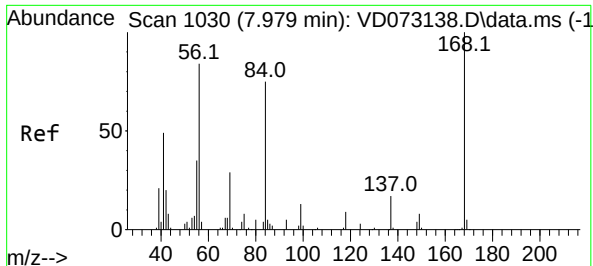


#25
2-Butanone
Concen: 2.994 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Tgt Ion: 43 Resp: 2825

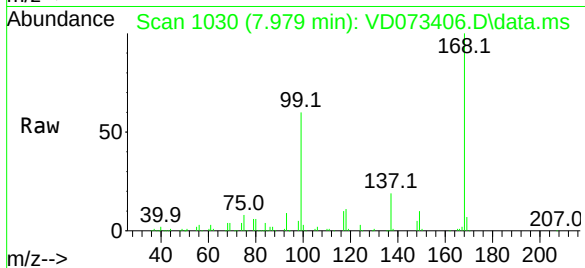
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



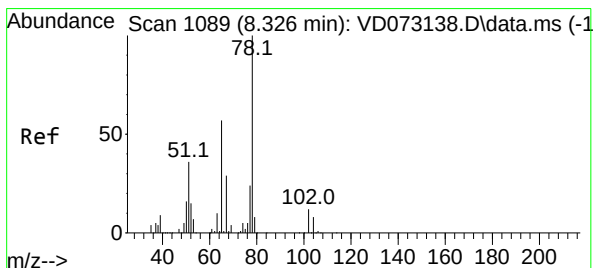
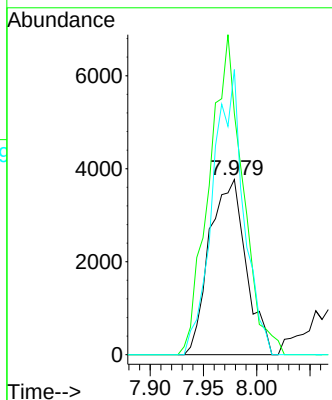
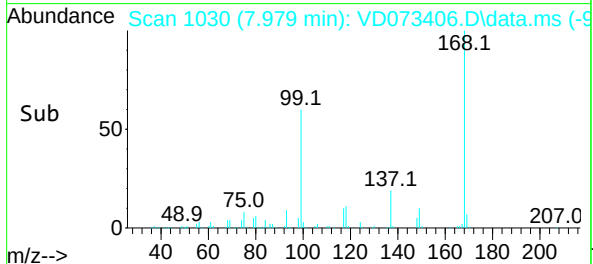


#31
Cyclohexane
Concen: 1.378 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Instrument :
MSVOA_D
ClientSampleId :

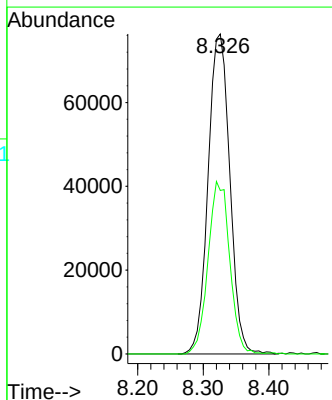
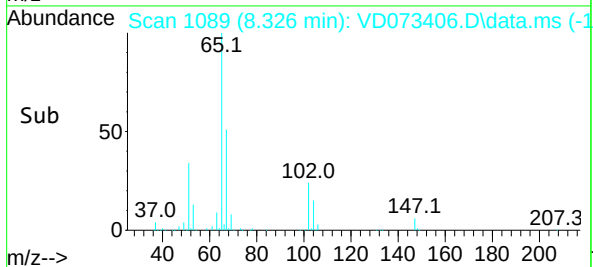
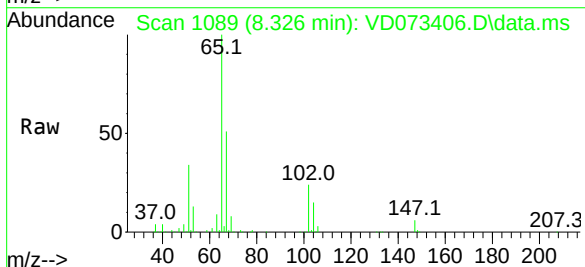


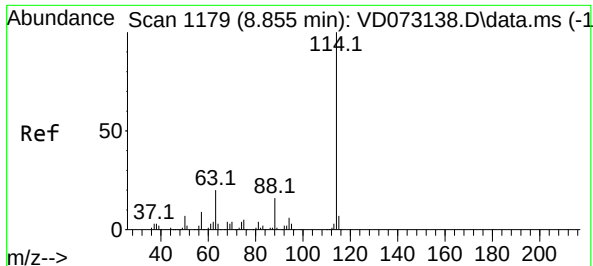
Tgt Ion: 56 Resp: 8968
Ion Ratio Lower Upper
56 100
69 137.7 25.4 38.2#
84 162.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.195 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Tgt Ion: 65 Resp: 175699
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: VD073406.D

Acq: 27 May 2022 12:47

Instrument :

MSVOA_D

ClientSampleId :

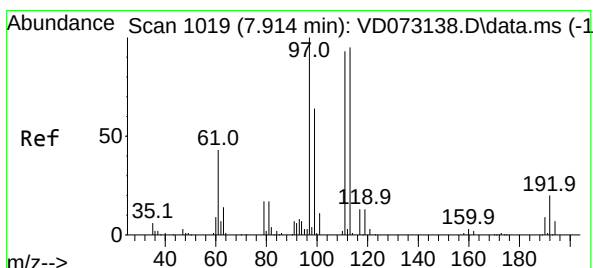
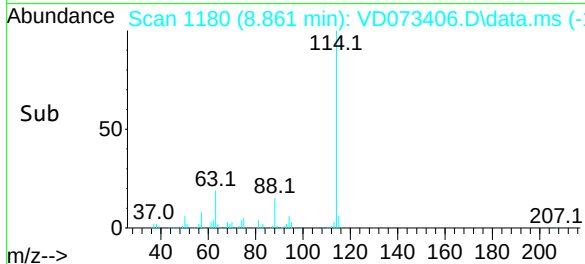
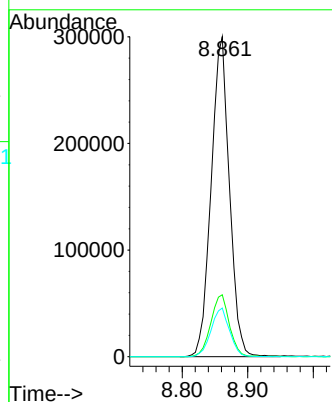
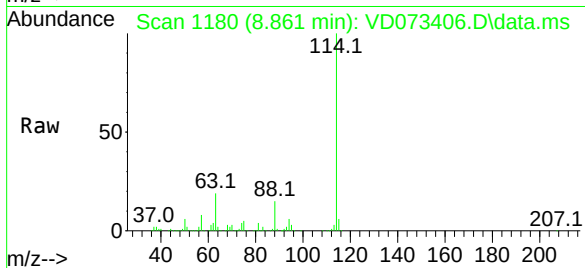
Tgt Ion:114 Resp: 579649

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.118 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073406.D

Acq: 27 May 2022 12:47

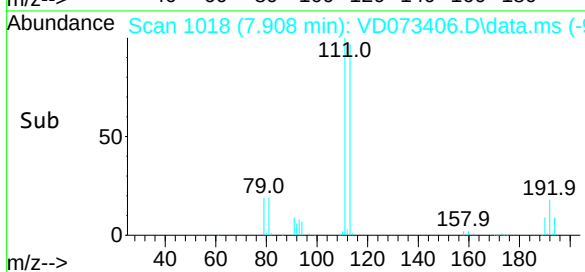
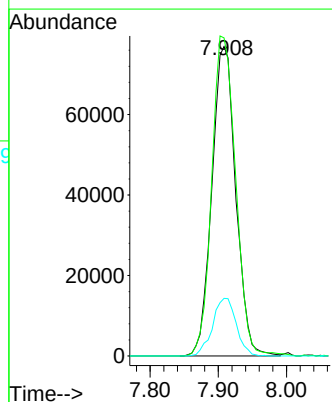
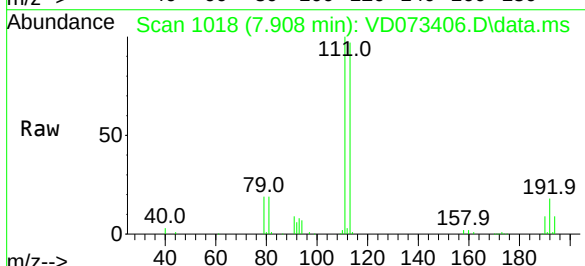
Tgt Ion:113 Resp: 187871

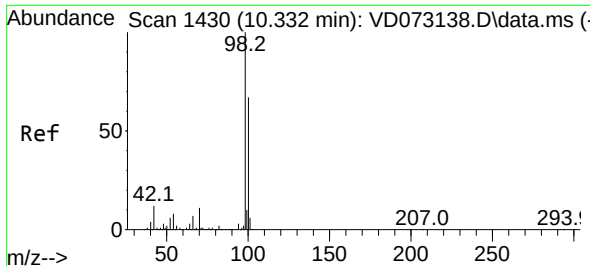
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.5 14.6 21.8

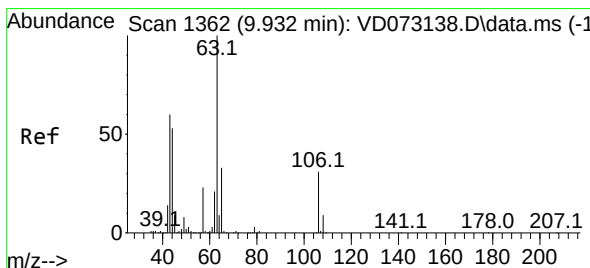
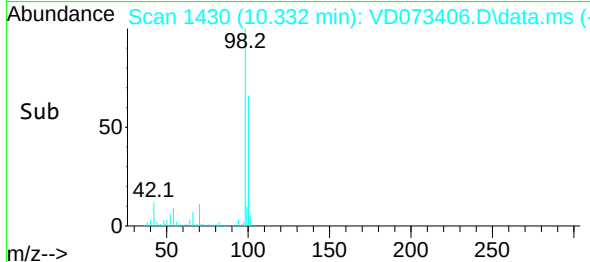
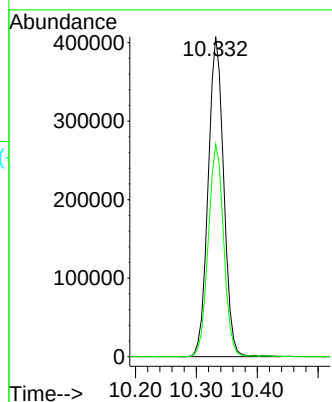
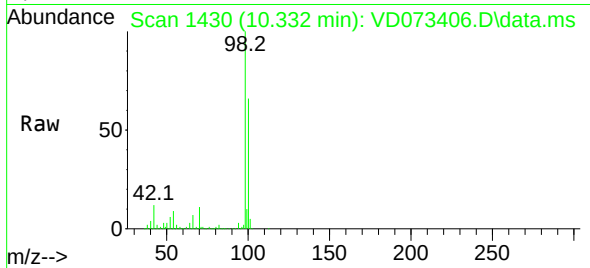




#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

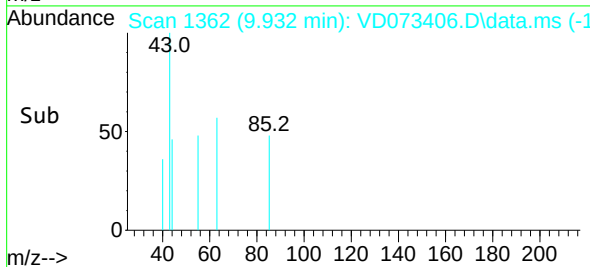
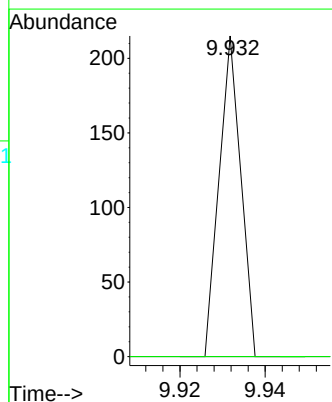
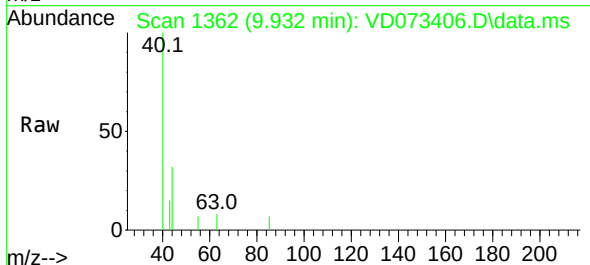
Instrument :
MSVOA_D
ClientSampleId :

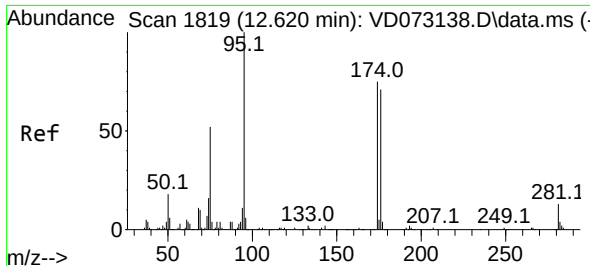
Tgt Ion: 98 Resp: 721403
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 21.663 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Tgt Ion: 63 Resp: 76
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

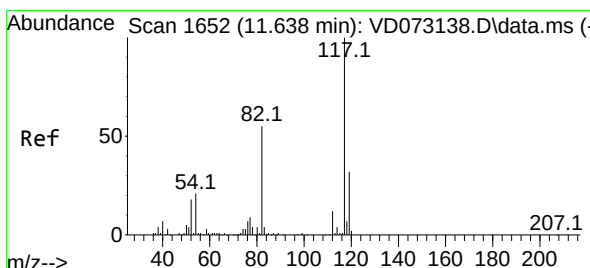
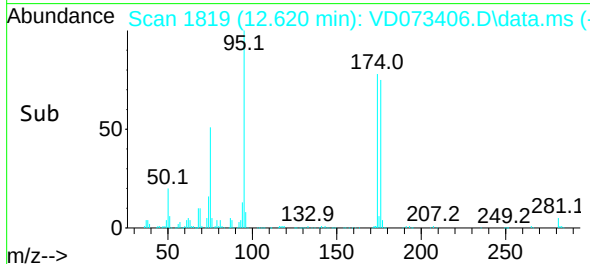
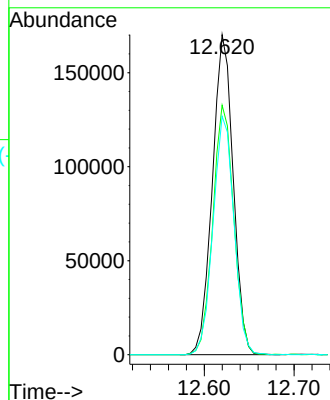
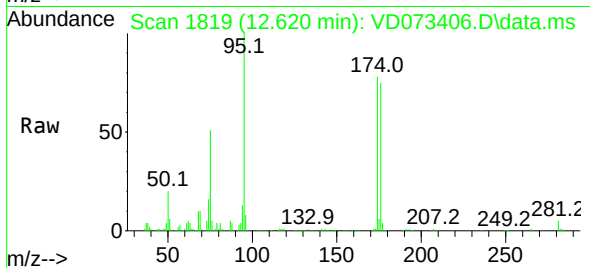




#62
4-Bromofluorobenzene
Concen: 55.332 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

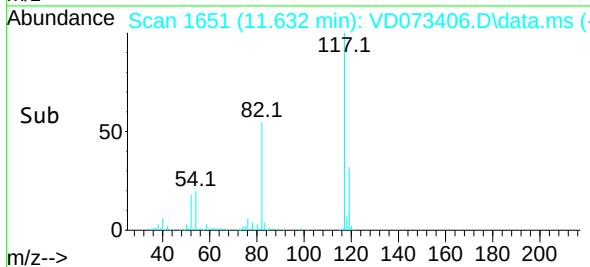
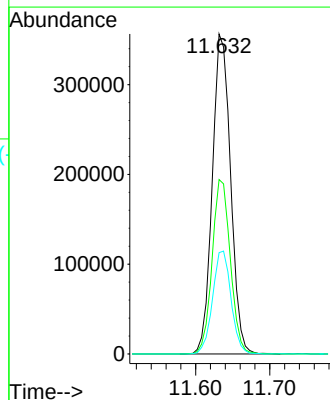
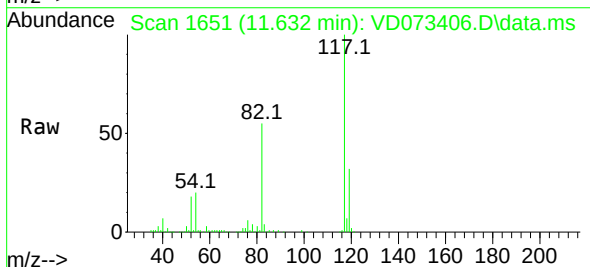
Instrument :
MSVOA_D
ClientSampleId :

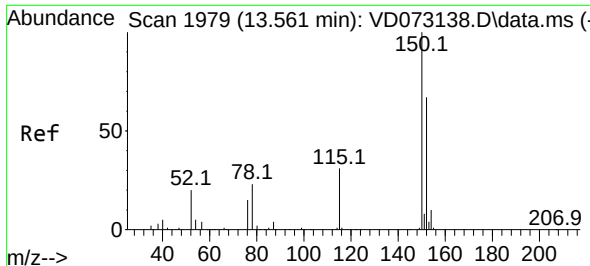
Tgt Ion: 95 Resp: 273788
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

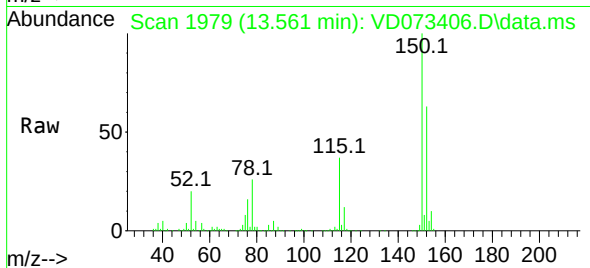
Tgt Ion: 117 Resp: 610636
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 31.7 26.6 40.0



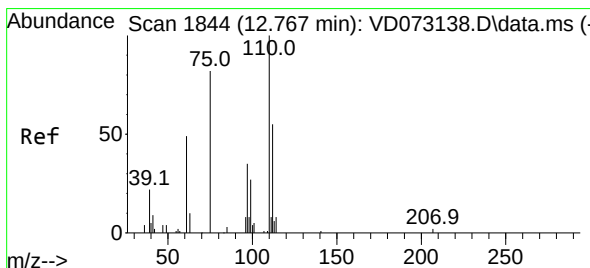
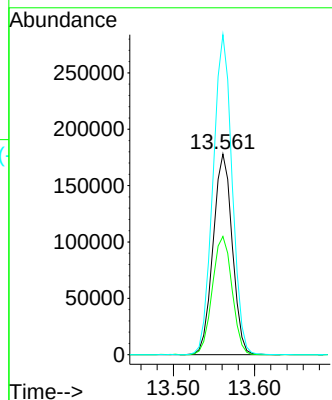
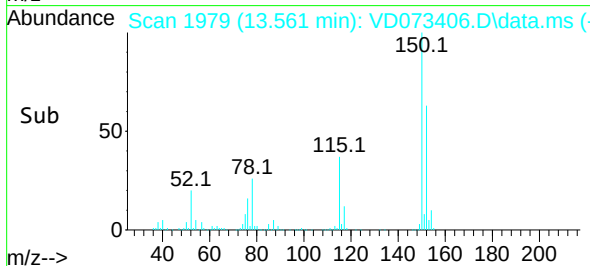


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073406.D
 Acq: 27 May 2022 12:47

Instrument :
 MSVOA_D
 ClientSampleId :

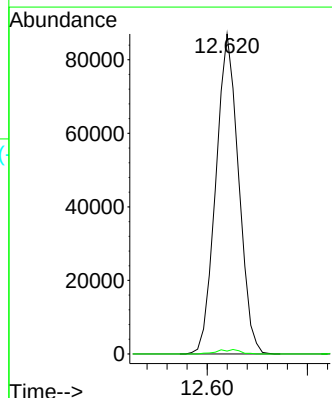
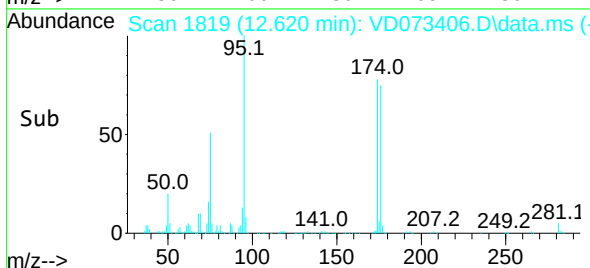
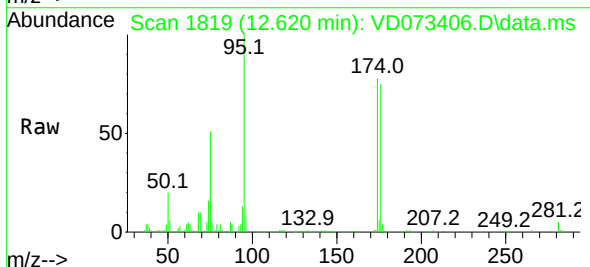


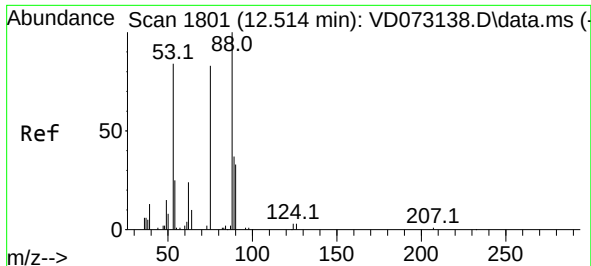
Tgt Ion:152 Resp: 291311
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.3 93.8
 150 159.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.867 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073406.D
 Acq: 27 May 2022 12:47

Tgt Ion: 75 Resp: 136816
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

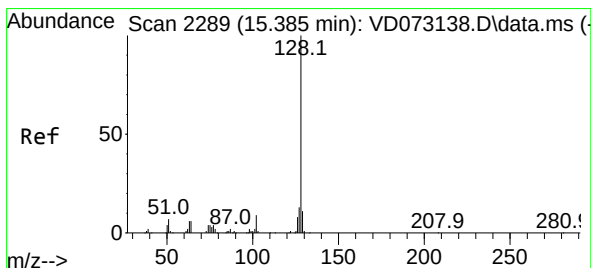
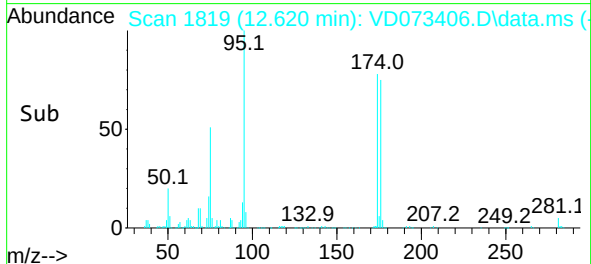
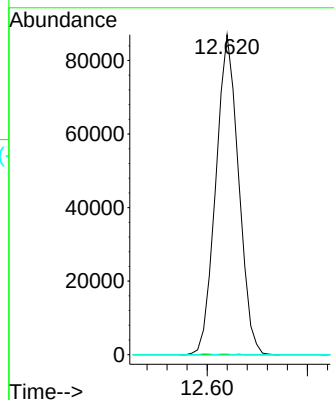
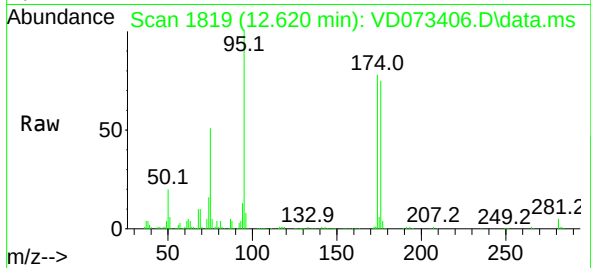




#81
trans-1,4-Dichloro-2-butene
Concen: 114.914 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 136816
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.684 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073406.D
Acq: 27 May 2022 12:47

Tgt Ion: 128 Resp: 1466
Ion Ratio Lower Upper
128 100
127 24.1 10.3 15.5#
129 0.0 8.4 12.6#

