

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073210.D
 Acq On : 21 May 2022 05:24
 Operator : VA/SY
 Sample : VD0520SBL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0520SBL02

Quant Time: May 21 05:34:52 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	312352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	571432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255767	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164668	47.703	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.400%
35) Dibromofluoromethane	7.909	113	182404	50.673	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.332	98	677288	51.043	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.080%
62) 4-Bromofluorobenzene	12.620	95	243981	52.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.780%

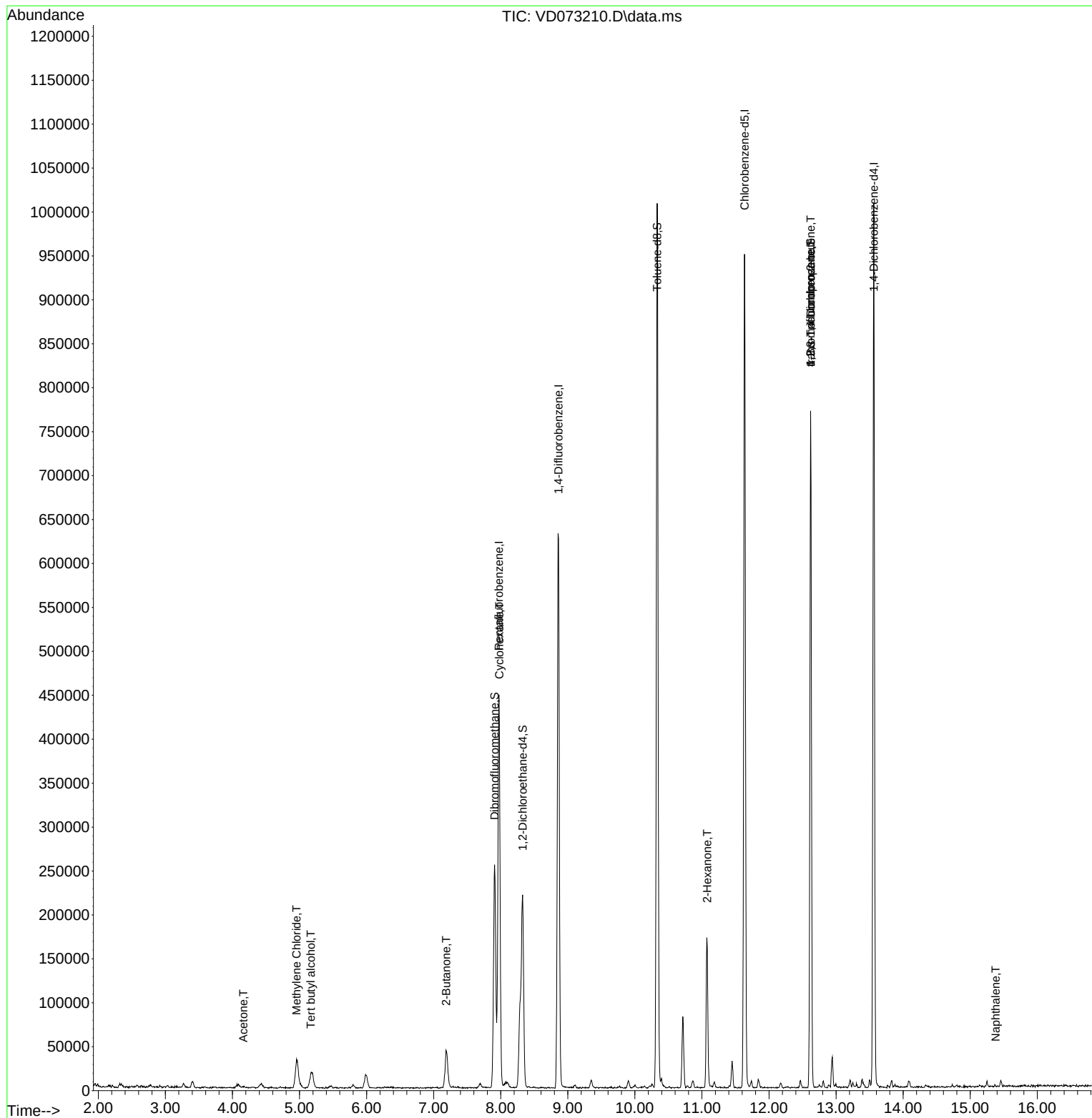
Target Compounds					Qvalue	
5) Bromomethane	2.768	94	1718	Below Cal	#	75
11) Tert butyl alcohol	5.167	59	9881	18.450	ug/l #	78
16) Acetone	4.162	43	2733	4.571	ug/l	98
20) Methylene Chloride	4.956	84	23765	2.471	ug/l	87
25) 2-Butanone	7.185	43	3070	3.510	ug/l #	89
31) Cyclohexane	7.979	56	9947	1.649	ug/l #	45
59) 2-Hexanone	11.079	43	1886	1.393	ug/l	66
76) 1,2,3-Trichloropropane	12.620	75	126581	50.440	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126581	121.092	ug/l #	7
95) Naphthalene	15.379	128	1074	3.661	ug/l #	70

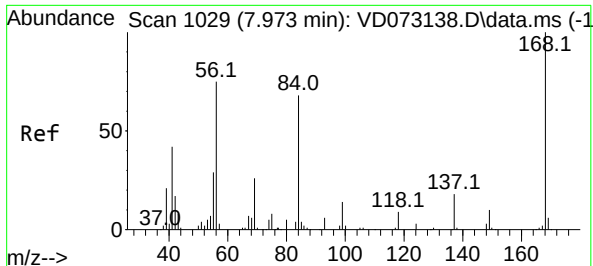
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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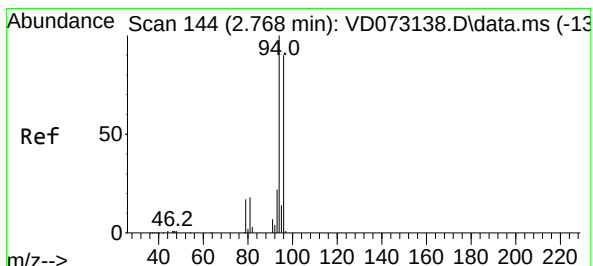
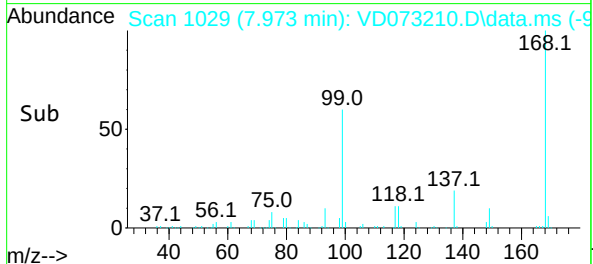
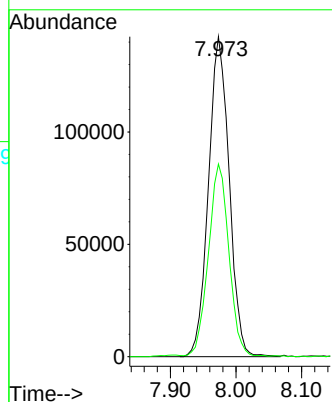
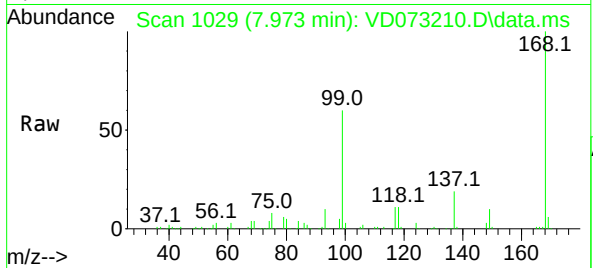




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

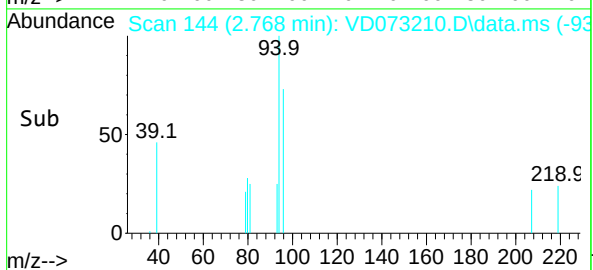
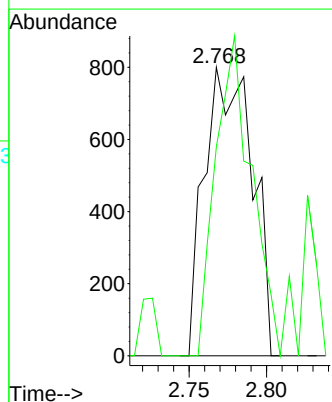
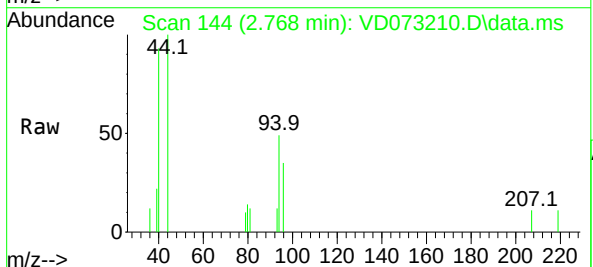
Instrument :
MSVOA_D
ClientSampleId :
VD0520SBL02

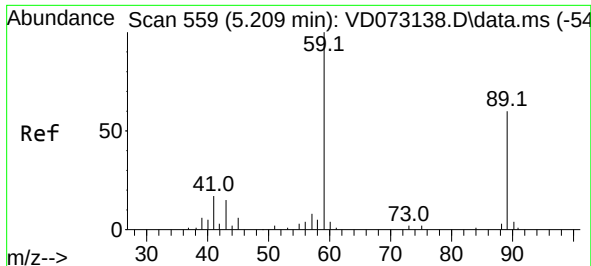
Tgt Ion:168 Resp: 312352
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion: 94 Resp: 1718
Ion Ratio Lower Upper
94 100
96 72.5 77.6 116.4#

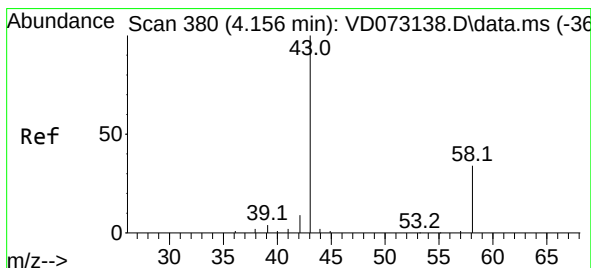
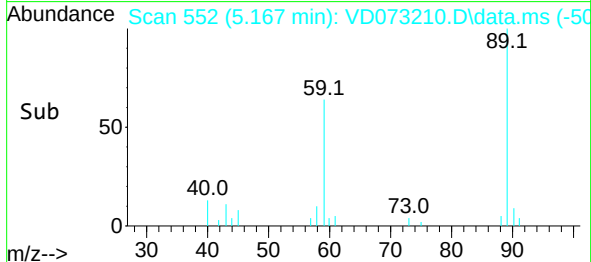
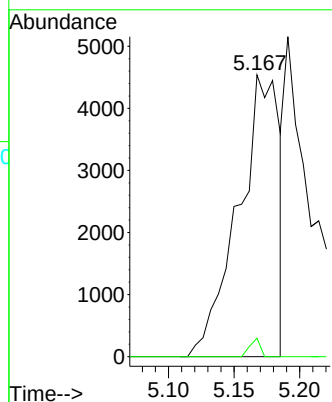
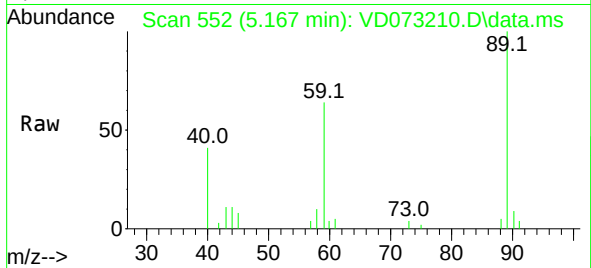




#11
Tert butyl alcohol
Concen: 18.450 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

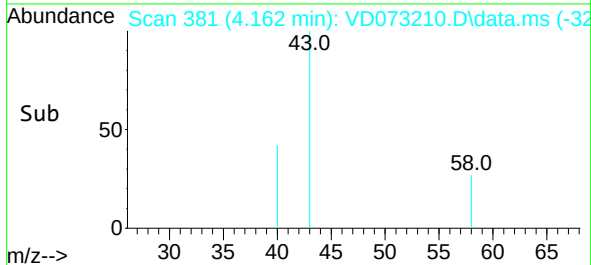
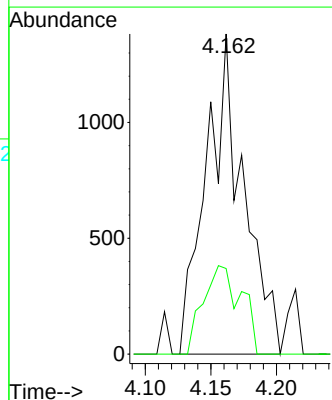
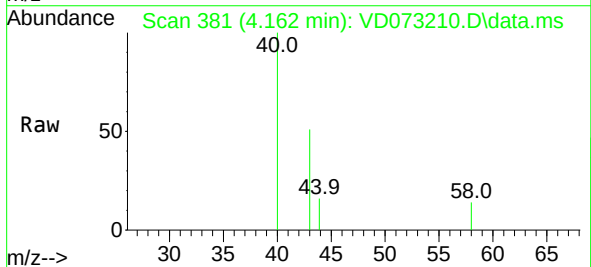
Instrument :
MSVOA_D
ClientSampleId :
VD0520SBL02

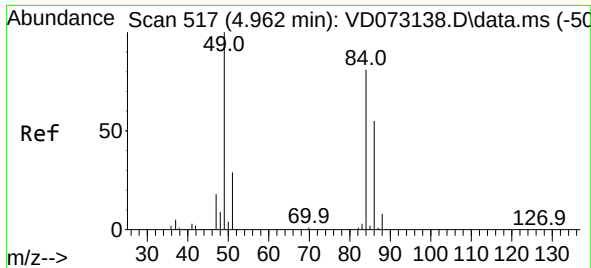
Tgt Ion: 59 Resp: 9881
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.6#



#16
Acetone
Concen: 4.571 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
58 26.7 22.1 33.1

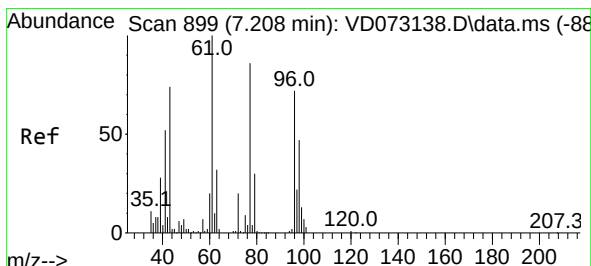
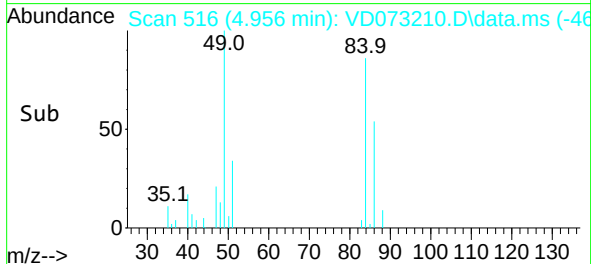
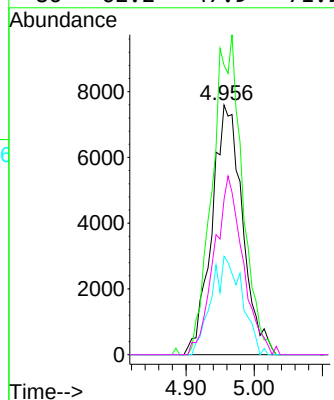
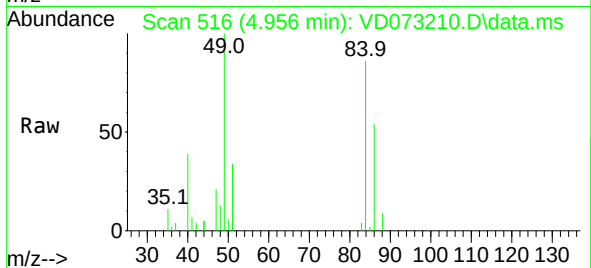




#20
Methylene Chloride
Concen: 2.471 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

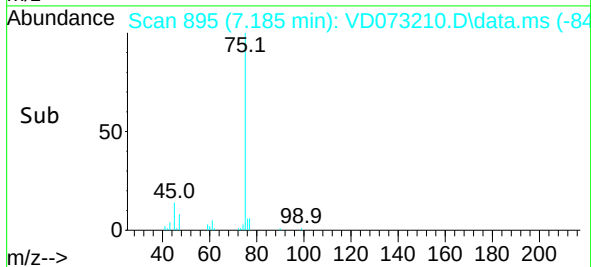
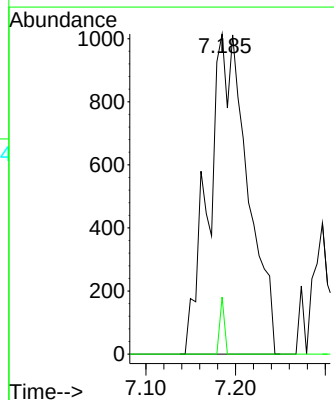
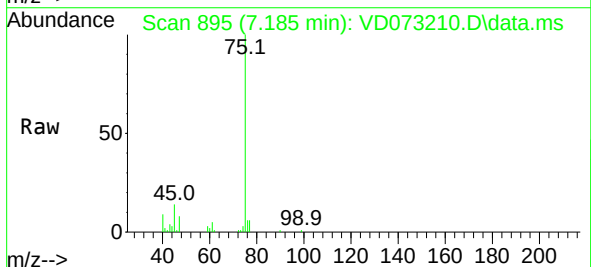
Instrument :
MSVOA_D
ClientSampleId :
VD0520SBL02

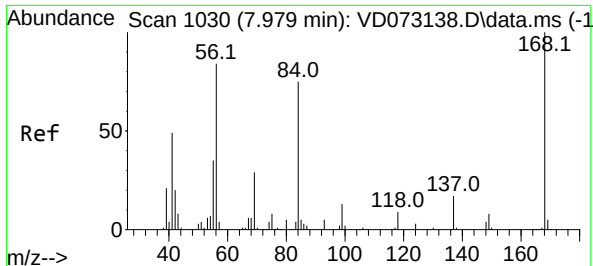
Tgt Ion:	84	Resp:	23765
Ion	Ratio	Lower	Upper
84	100		
49	116.0	112.8	169.2
51	39.5	32.6	48.8
86	62.2	47.9	71.9



#25
2-Butanone
Concen: 3.510 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion:	43	Resp:	3070
Ion	Ratio	Lower	Upper
43	100		
72	17.8	18.6	27.8#





#31

Cyclohexane

Concen: 1.649 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073210.D

Acq: 21 May 2022 05:24

Instrument :

MSVOA_D

ClientSampleId :

VD0520SBL02

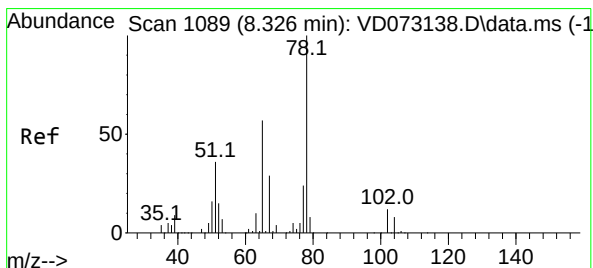
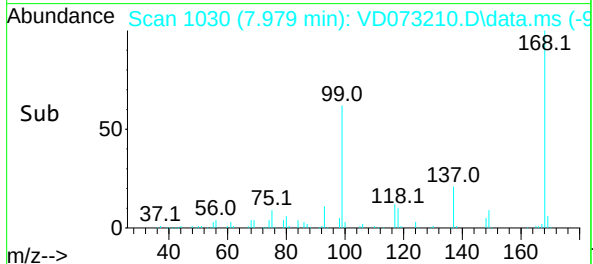
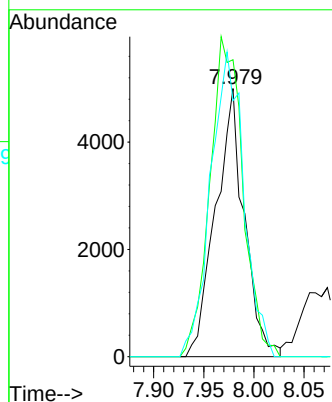
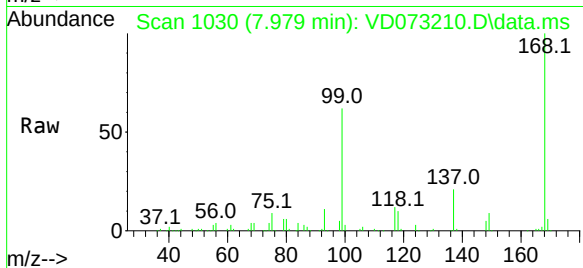
Tgt Ion: 56 Resp: 9947

Ion Ratio Lower Upper

56 100

69 110.7 25.4 38.2#

84 95.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.703 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073210.D

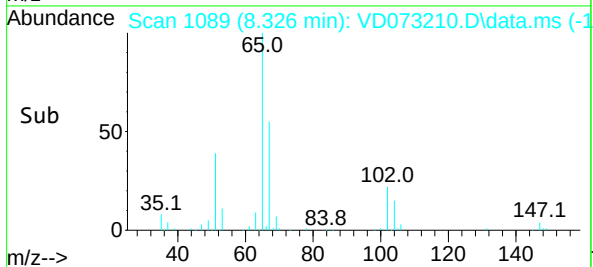
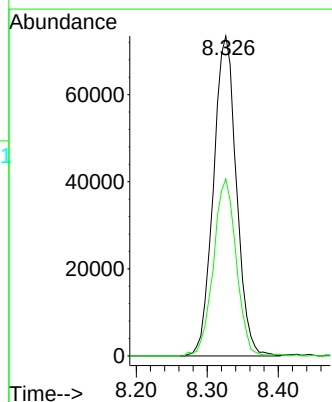
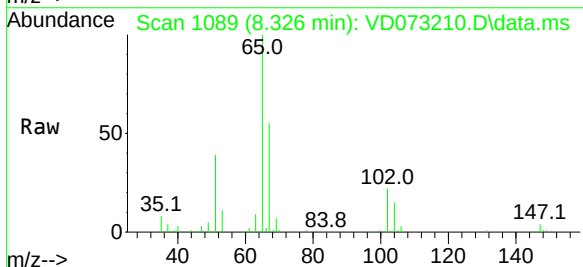
Acq: 21 May 2022 05:24

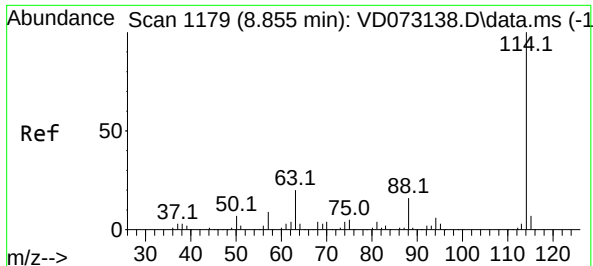
Tgt Ion: 65 Resp: 164668

Ion Ratio Lower Upper

65 100

67 54.9 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: VD073210.D

Acq: 21 May 2022 05:24

Instrument :

MSVOA_D

ClientSampleId :

VD0520SBL02

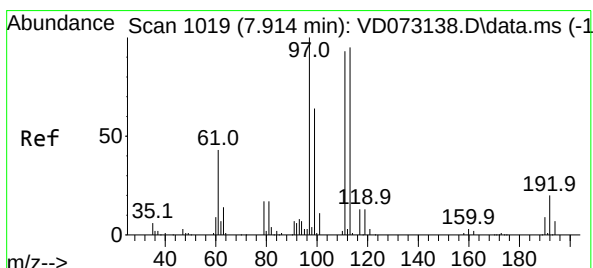
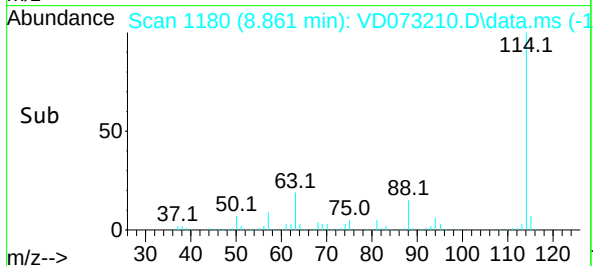
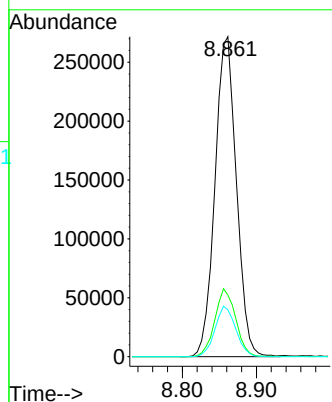
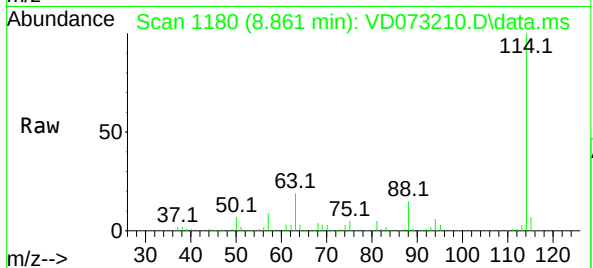
Tgt Ion:114 Resp: 545506

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 14.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.673 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073210.D

Acq: 21 May 2022 05:24

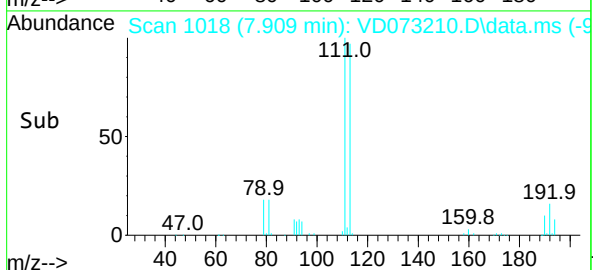
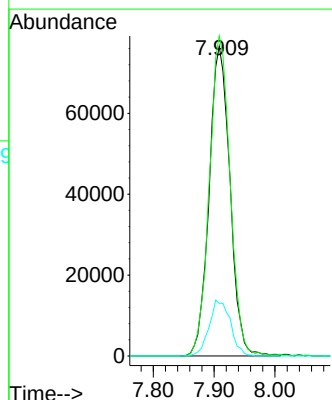
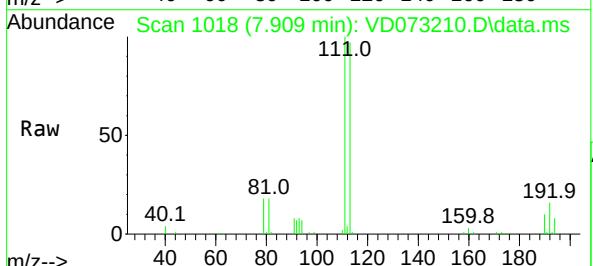
Tgt Ion:113 Resp: 182404

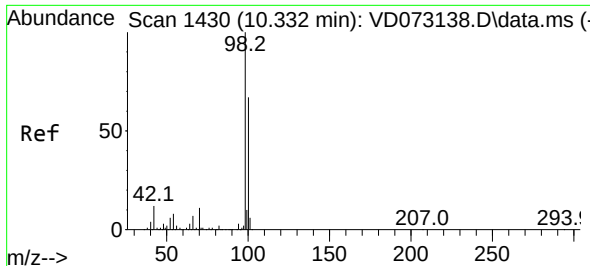
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.4 14.6 21.8

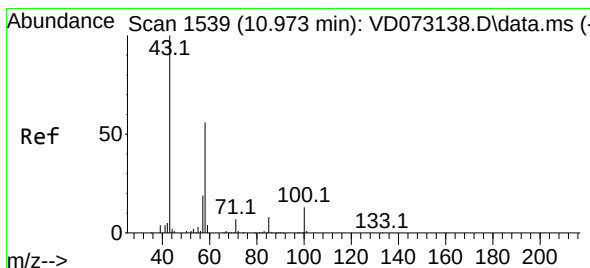
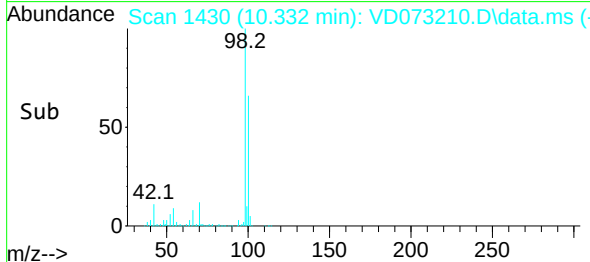
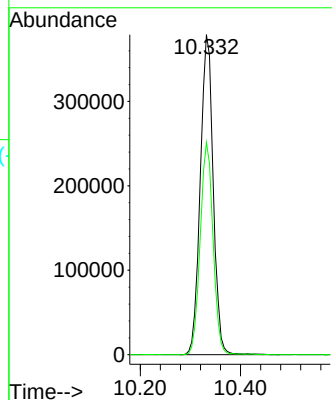
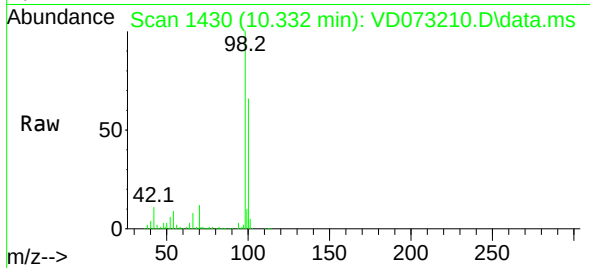




#50
Toluene-d8
Concen: 51.043 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

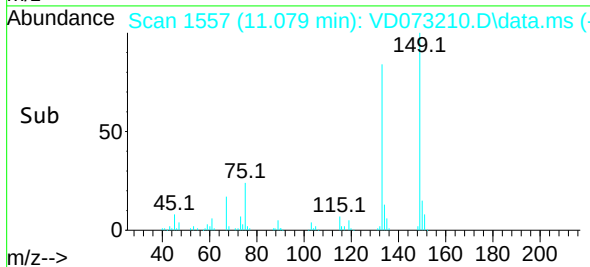
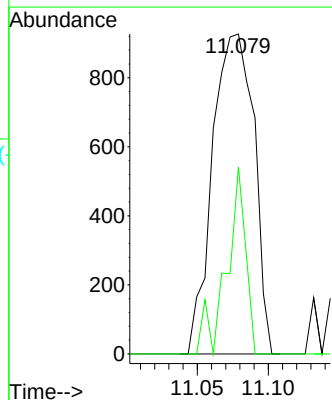
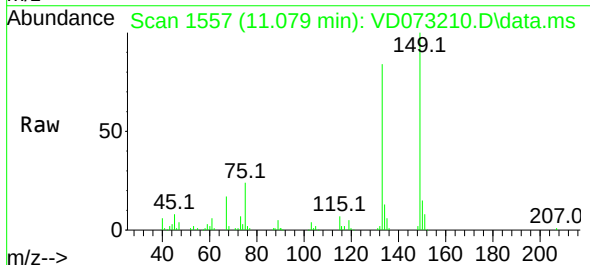
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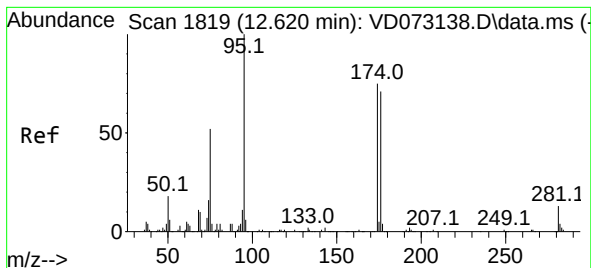
Tgt Ion: 98 Resp: 677288
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#59
2-Hexanone
Concen: 1.393 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.106 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 26.9 25.3 75.9

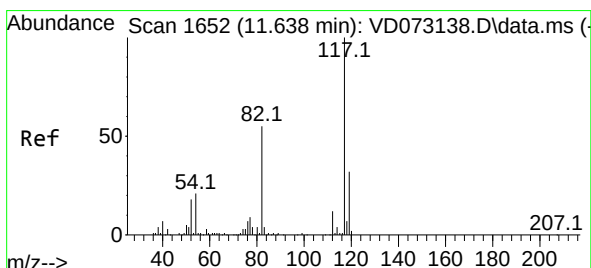
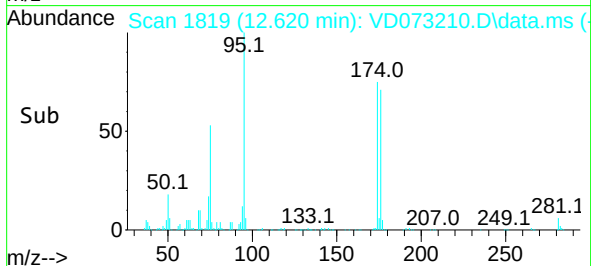
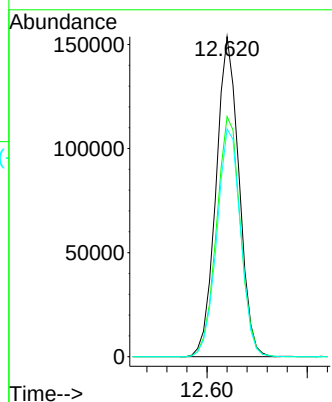
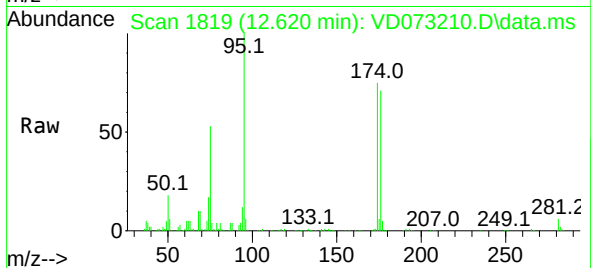




#62
4-Bromofluorobenzene
Concen: 52.394 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

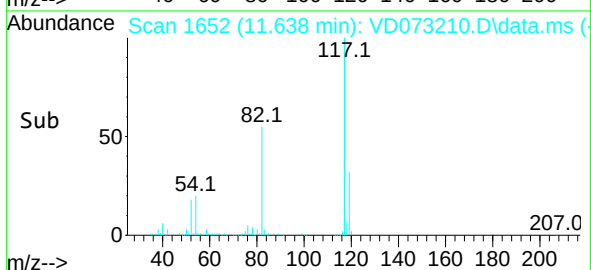
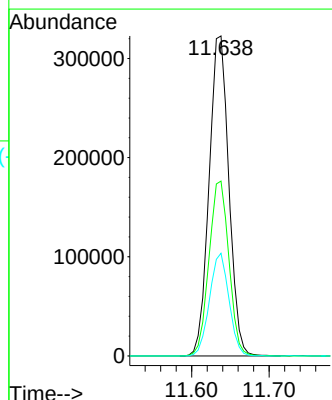
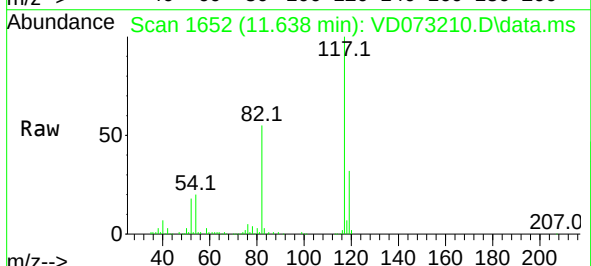
Instrument :
MSVOA_D
ClientSampleId :
VD0520SBL02

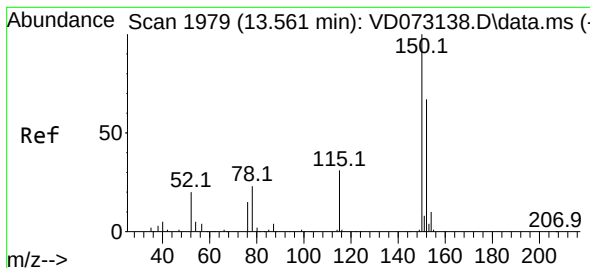
Tgt Ion: 95 Resp: 243981
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 73.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion: 117 Resp: 571432
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 32.1 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: VD073210.D

Acq: 21 May 2022 05:24

Instrument :

MSVOA_D

ClientSampleId :

VD0520SBL02

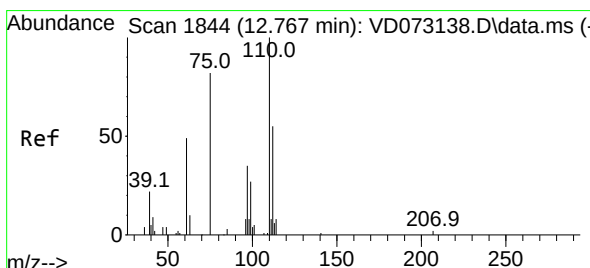
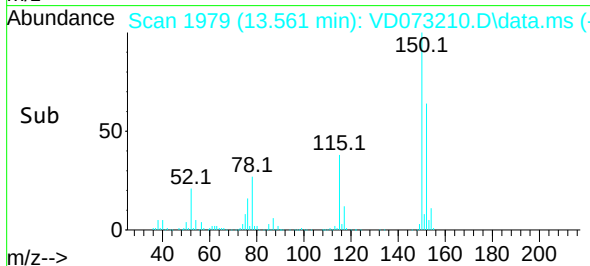
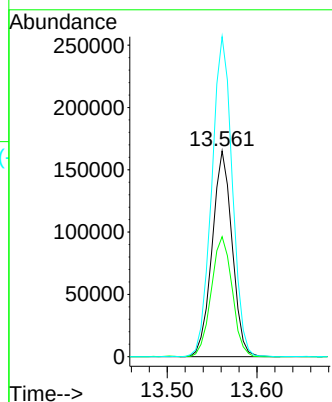
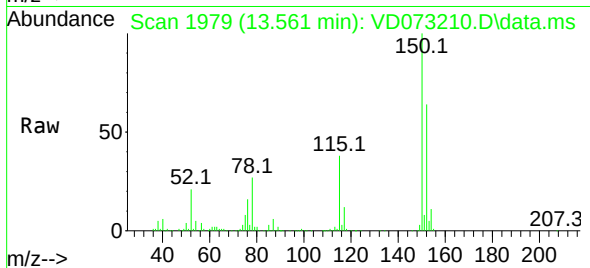
Tgt Ion:152 Resp: 255767

Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.8

150 159.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.440 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073210.D

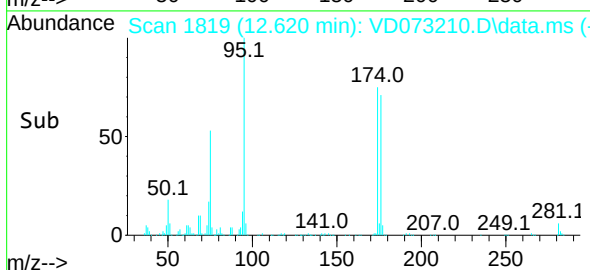
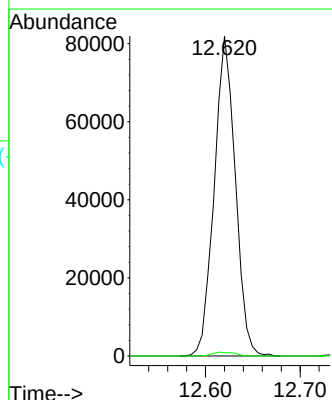
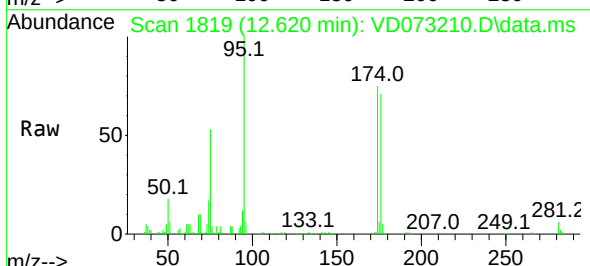
Acq: 21 May 2022 05:24

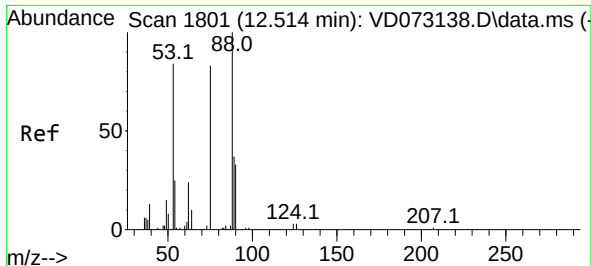
Tgt Ion: 75 Resp: 126581

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

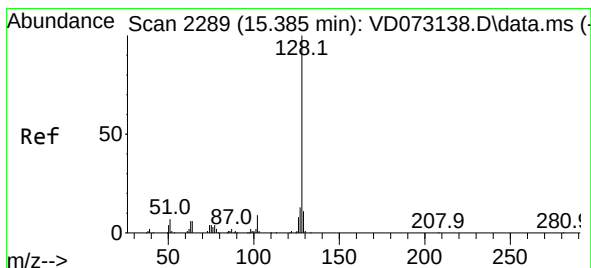
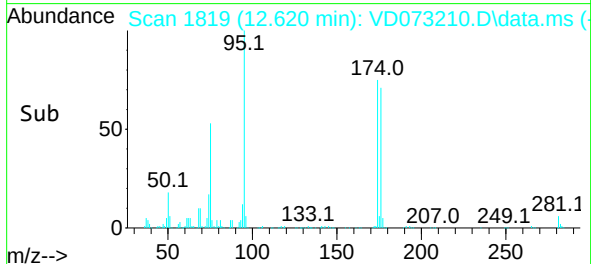
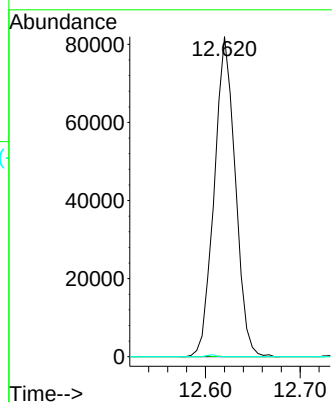
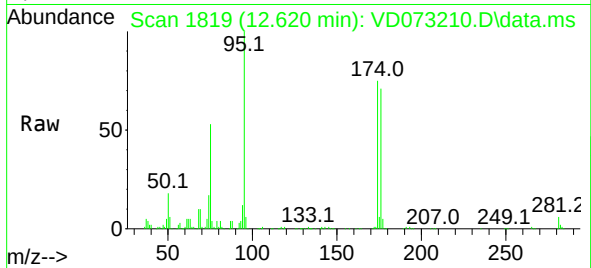




#81
trans-1,4-Dichloro-2-butene
Concen: 121.092 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Instrument :
MSVOA_D
ClientSampleId :
VD0520SBL02

Tgt Ion: 75 Resp: 126581
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 3.661 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073210.D
Acq: 21 May 2022 05:24

Tgt Ion: 128 Resp: 1074
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

