

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073254.D
 Acq On : 22 May 2022 04:36
 Operator : VA/SY
 Sample : N2920-07
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS001-0612-01

Quant Time: May 23 01:12:38 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

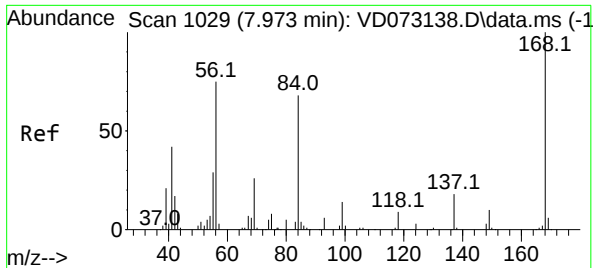
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	324268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	543963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	571160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	165227	46.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.220%
35) Dibromofluoromethane	7.908	113	183279	51.061	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.332	98	674386	50.968	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.940%
62) 4-Bromofluorobenzene	12.620	95	246818	53.154	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.300%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	7733	2.387	ug/l	92
5) Bromomethane	2.791	94	1713	Below Cal		87
11) Tert butyl alcohol	5.179	59	11451	20.595	ug/l #	74
16) Acetone	4.150	43	2327	3.749	ug/l #	71
20) Methylene Chloride	4.950	84	2472	Below Cal	#	84
25) 2-Butanone	7.202	43	2970	3.270	ug/l #	52
31) Cyclohexane	7.973	56	11533	1.842	ug/l #	1
48) Methyl methacrylate	9.349	41	2466	1.244	ug/l #	53
58) 2-Chloroethyl Vinyl ether	9.932	63	181	21.729	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	126280	50.337	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126280	120.843	ug/l #	7
95) Naphthalene	15.378	128	1263	3.682	ug/l #	86

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

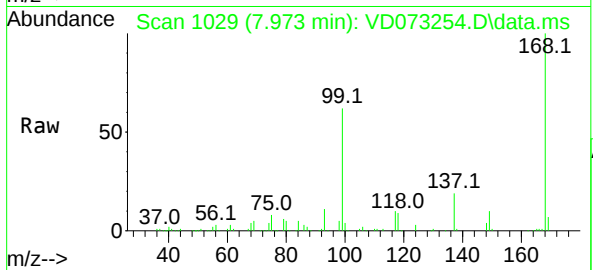
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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



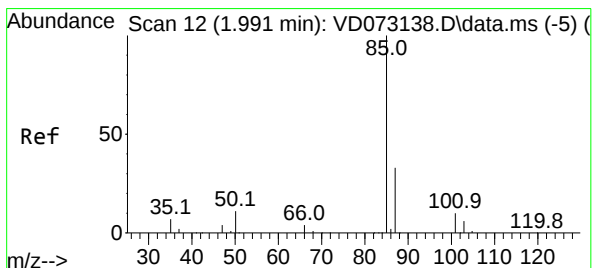
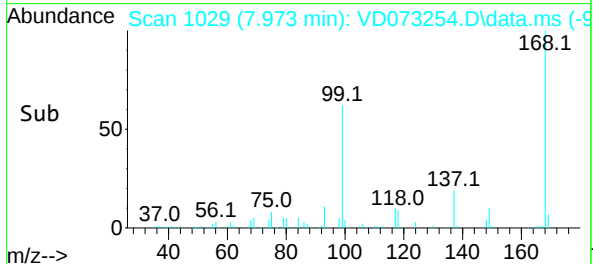
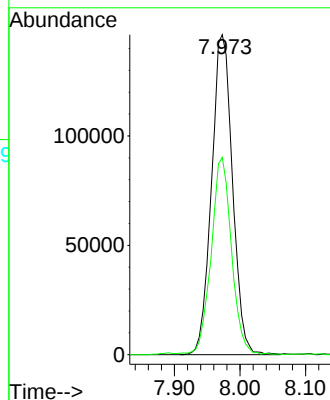


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

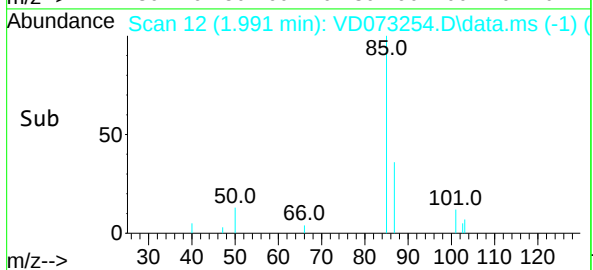
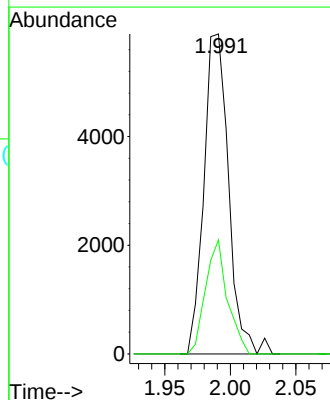
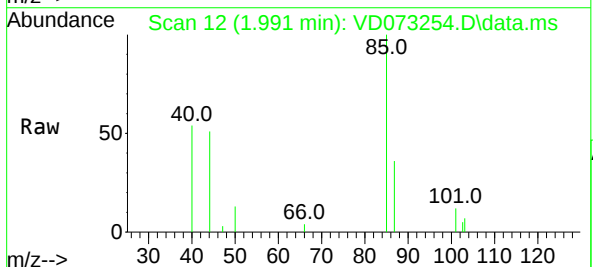


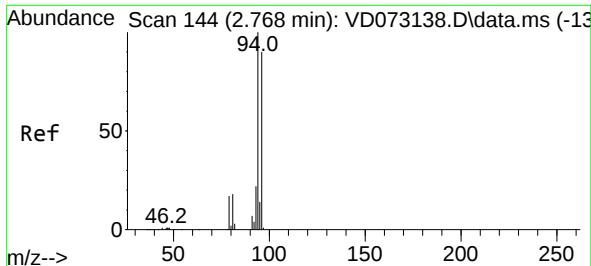
Tgt Ion:168 Resp: 324268
Ion Ratio Lower Upper
168 100
99 61.5 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 2.387 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 85 Resp: 7733
Ion Ratio Lower Upper
85 100
87 35.6 15.7 47.0

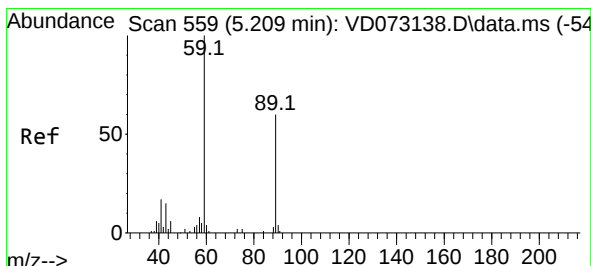
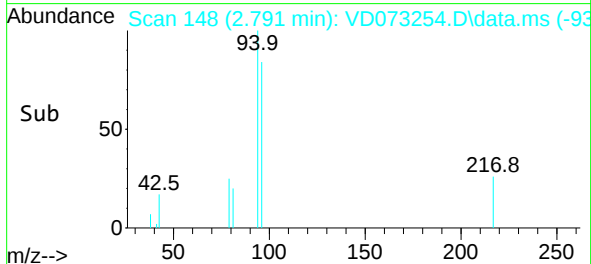
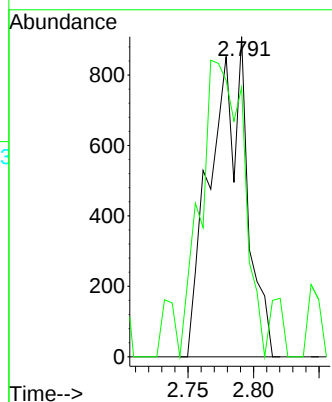
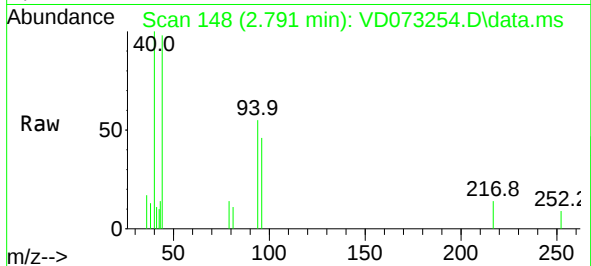




#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

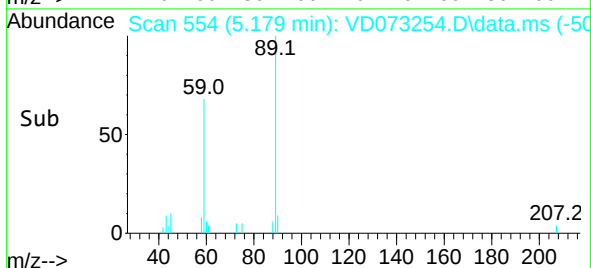
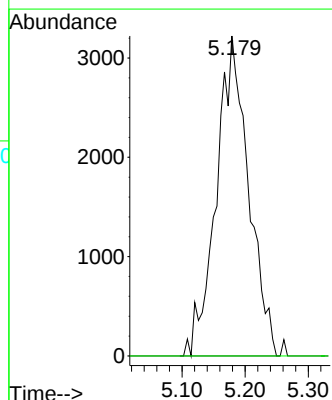
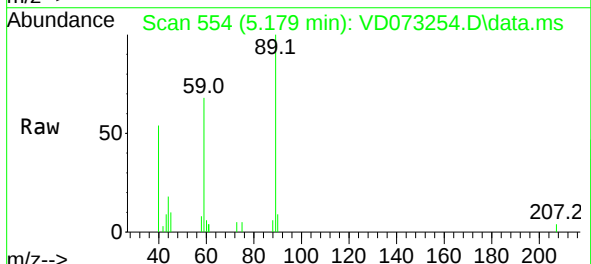
Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

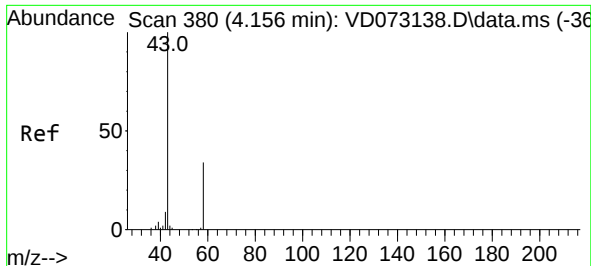
Tgt Ion: 94 Resp: 1713
Ion Ratio Lower Upper
94 100
96 84.2 77.6 116.4



#11
Tert butyl alcohol
Concen: 20.595 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 59 Resp: 11451
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 3.749 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073254.D

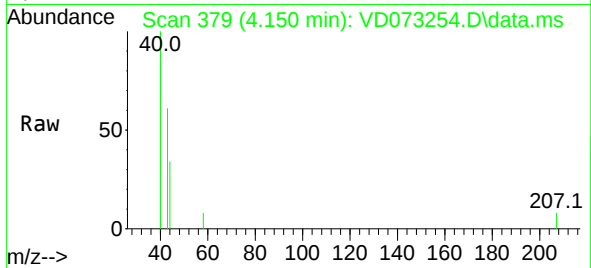
Acq: 22 May 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

P024-SS001-0612-01

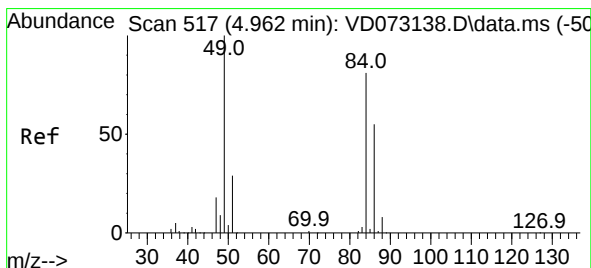
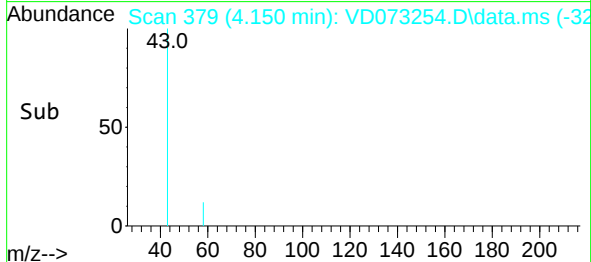
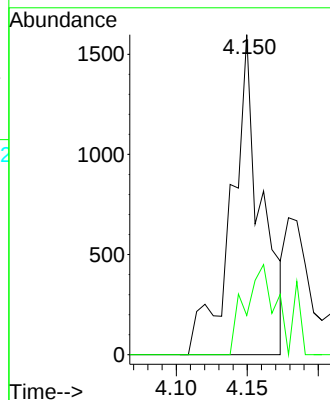


Tgt Ion: 43 Resp: 2327

Ion Ratio Lower Upper

43 100

58 12.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 515

Delta R.T. -0.012 min

Lab File: VD073254.D

Acq: 22 May 2022 04:36

Tgt Ion: 84 Resp: 2472

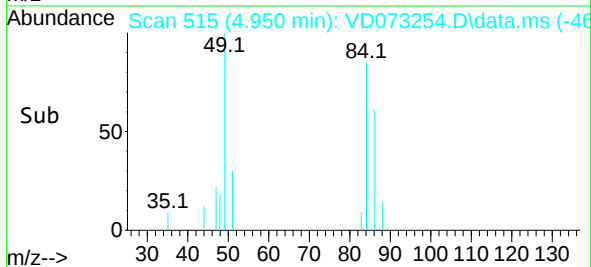
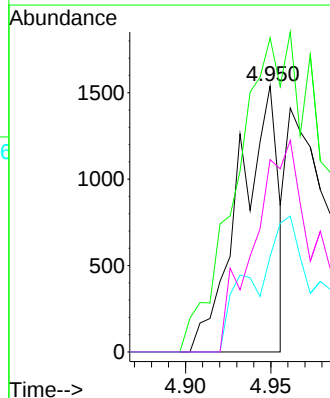
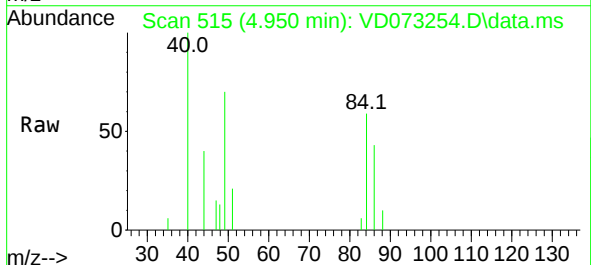
Ion Ratio Lower Upper

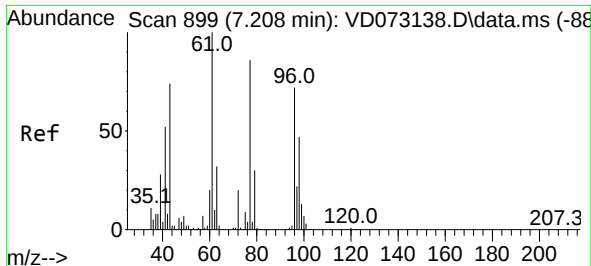
84 100

49 118.0 112.8 169.2

51 35.9 32.6 48.8

86 72.3 47.9 71.9#

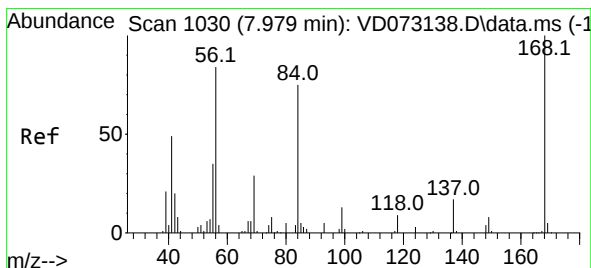
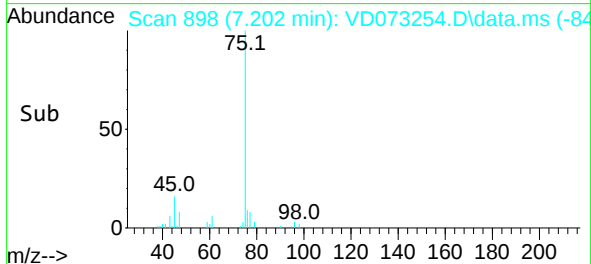
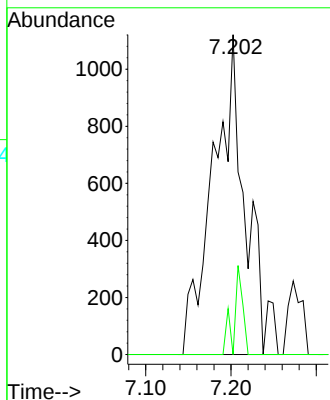
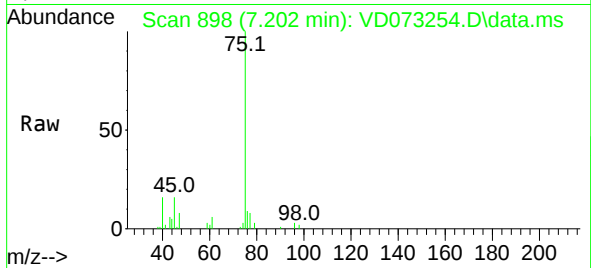




#25
2-Butanone
Concen: 3.270 ug/l
RT: 7.202 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

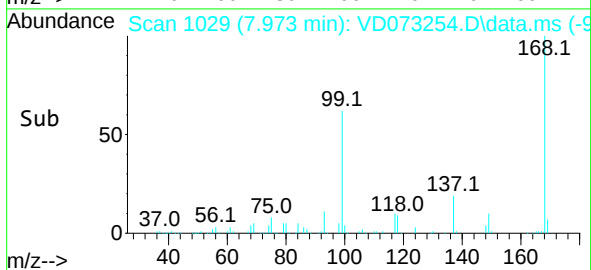
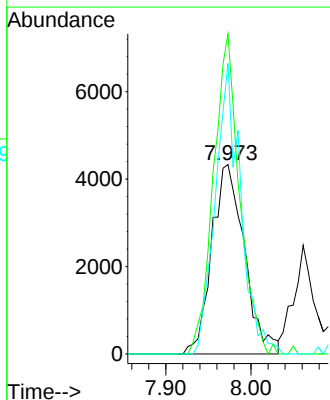
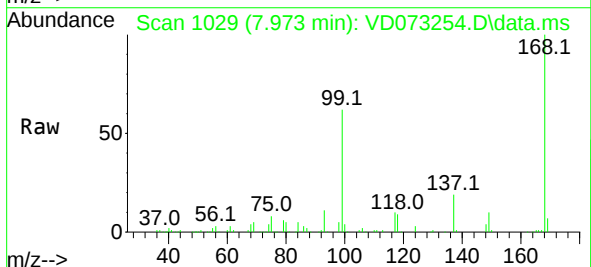
Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

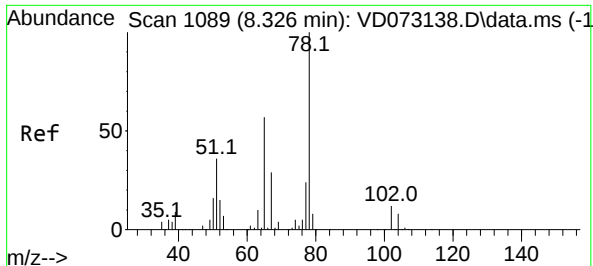
Tgt Ion: 43 Resp: 2970
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.842 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 56 Resp: 11533
Ion Ratio Lower Upper
56 100
69 168.9 25.4 38.2#
84 153.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.106 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073254.D

Acq: 22 May 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

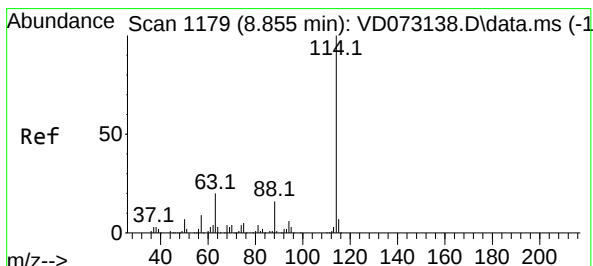
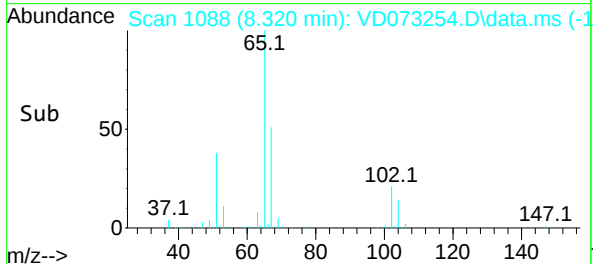
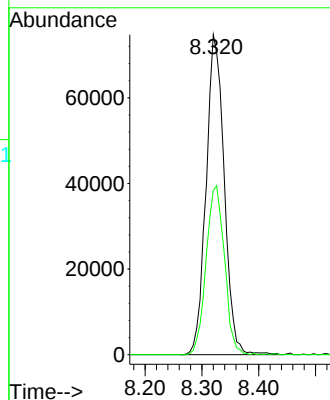
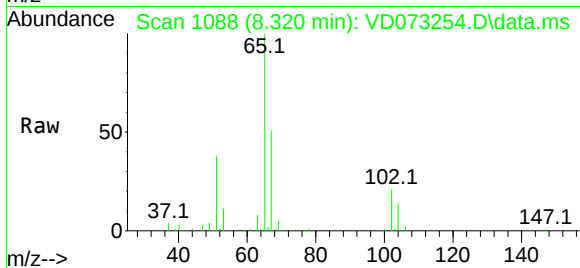
P024-SS001-0612-01

Tgt Ion: 65 Resp: 165227

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073254.D

Acq: 22 May 2022 04:36

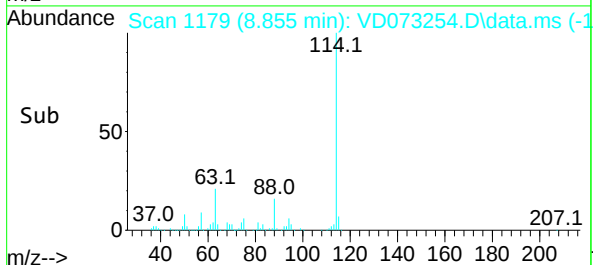
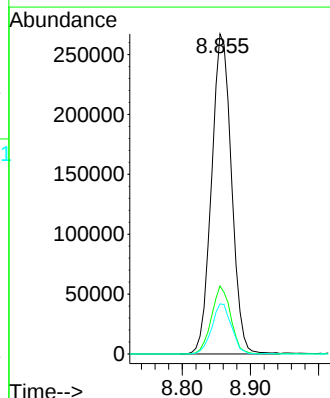
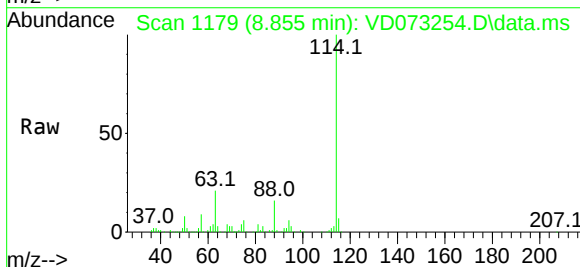
Tgt Ion: 114 Resp: 543963

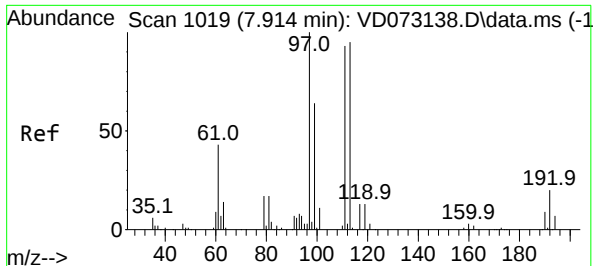
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.061 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073254.D

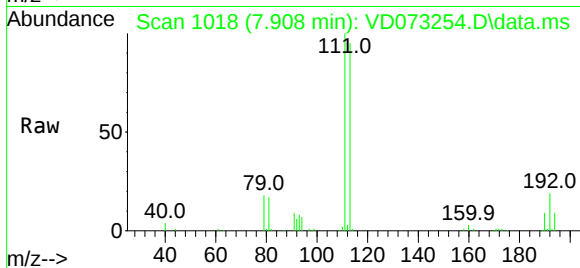
Acq: 22 May 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

P024-SS001-0612-01



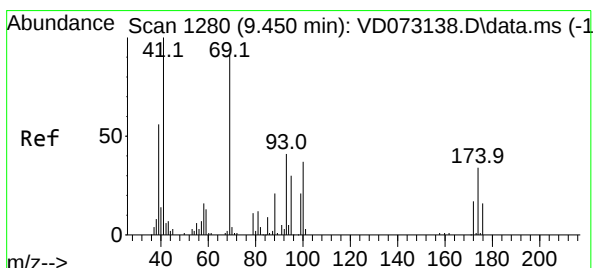
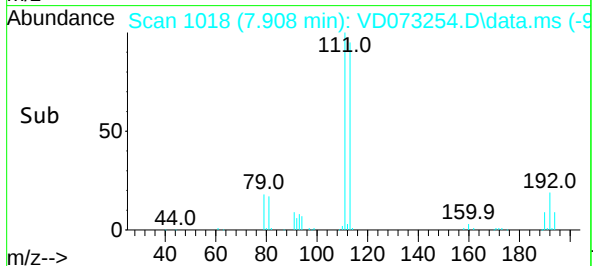
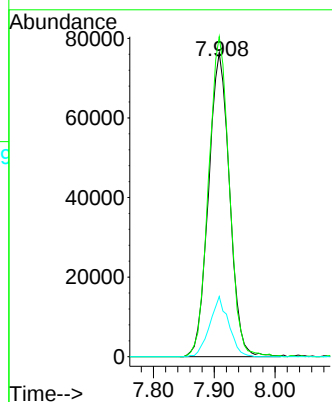
Tgt Ion:113 Resp: 183279

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 17.9 14.6 21.8



#48

Methyl methacrylate

Concen: 1.244 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.101 min

Lab File: VD073254.D

Acq: 22 May 2022 04:36

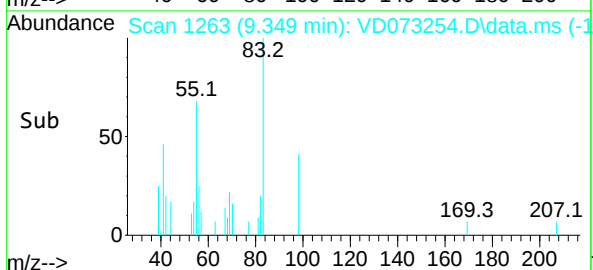
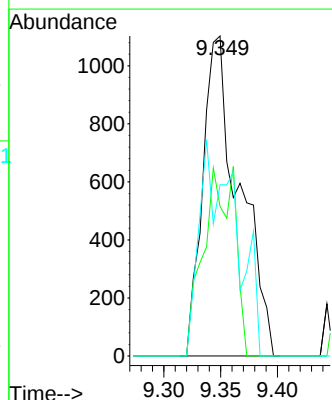
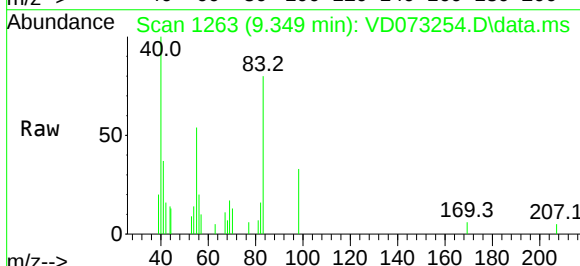
Tgt Ion: 41 Resp: 2466

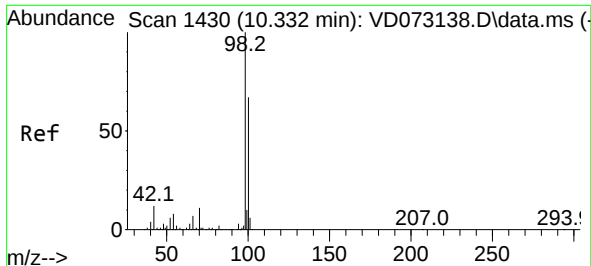
Ion Ratio Lower Upper

41 100

69 49.9 56.7 85.1#

39 0.0 42.7 64.1#

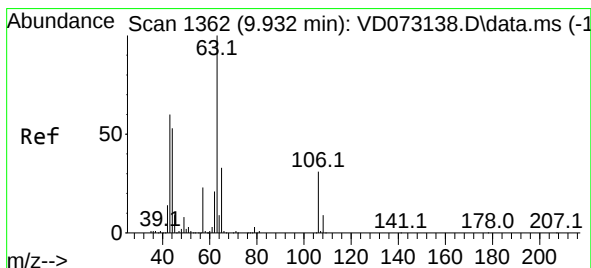
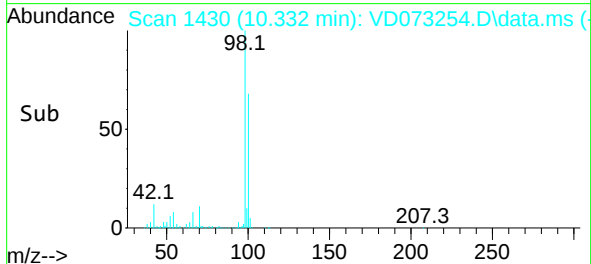
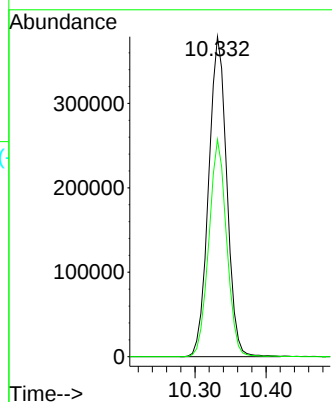
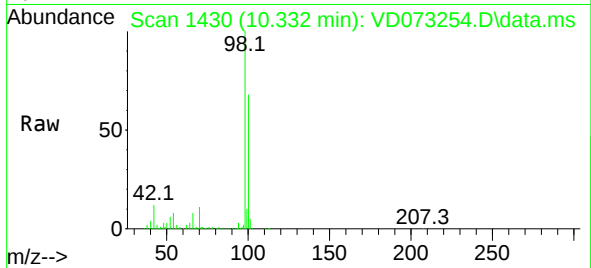




#50
Toluene-d8
Concen: 50.968 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

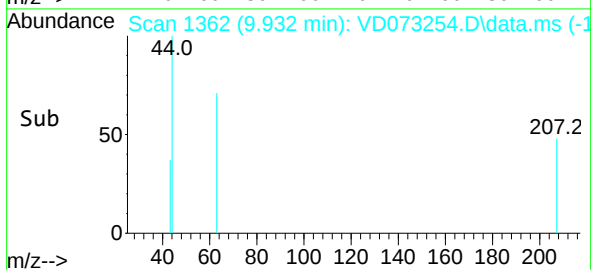
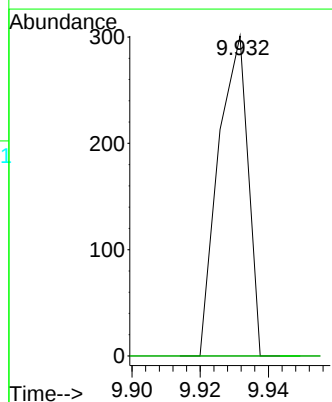
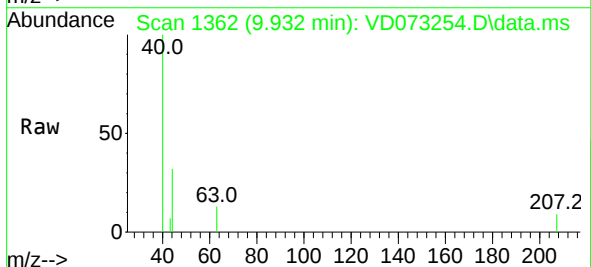
Instrument : MSVOA_D
ClientSampleId : P024-SS001-0612-01

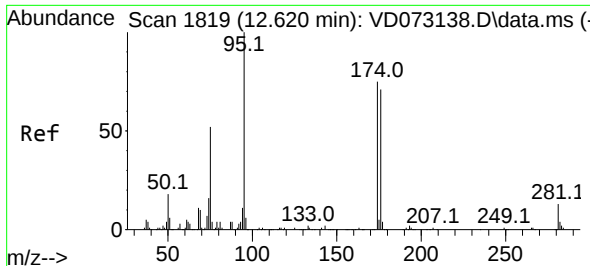
Tgt Ion: 98 Resp: 674386
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 21.729 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 63 Resp: 181
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0

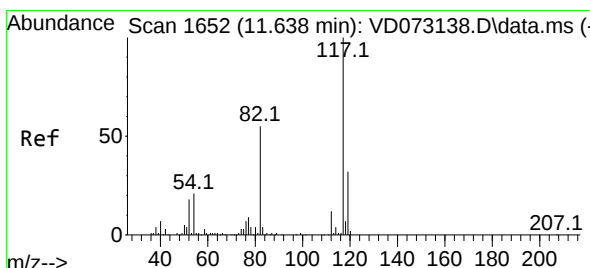
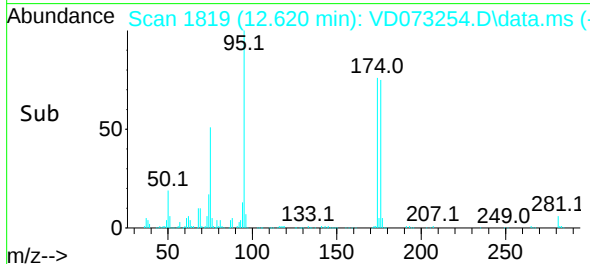
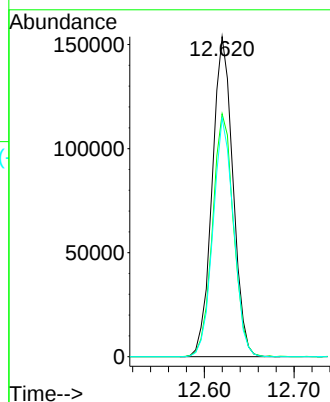
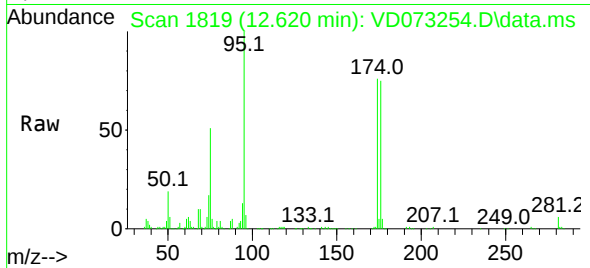




#62
4-Bromofluorobenzene
Concen: 53.154 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

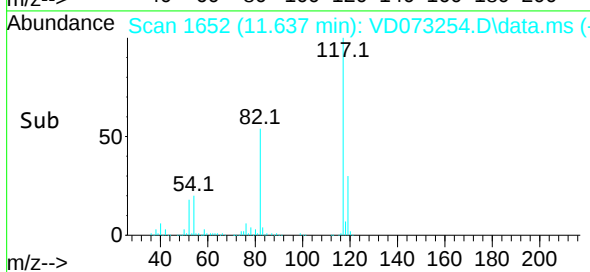
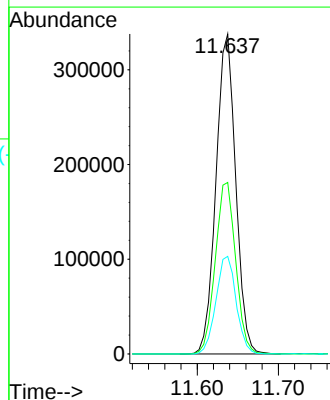
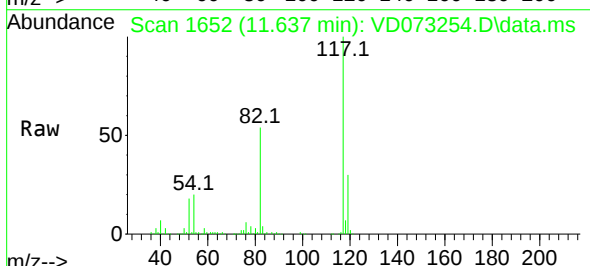
Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

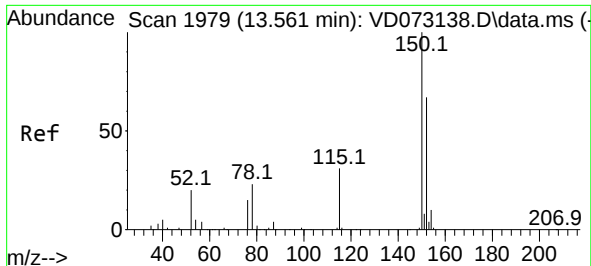
Tgt Ion:	95	Resp:	246818
Ion Ratio	Lower	Upper	
95	100		
174	76.8	0.0	152.8
176	73.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion:	117	Resp:	571160
Ion Ratio	Lower	Upper	
117	100		
82	53.6	45.3	67.9
119	30.5	26.6	40.0

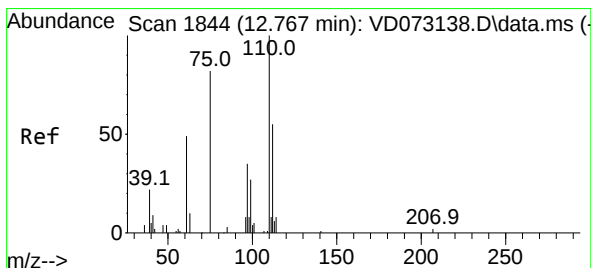
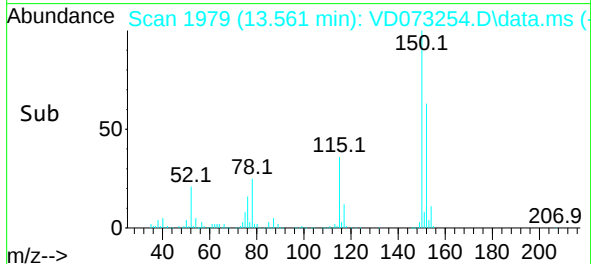
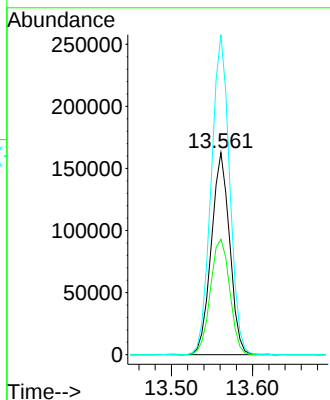
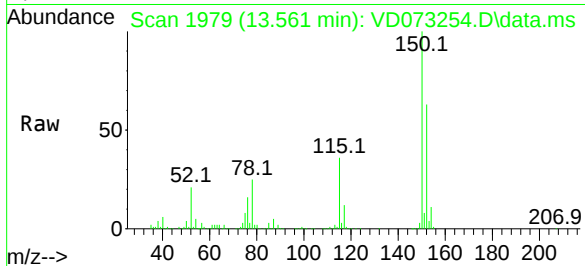




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

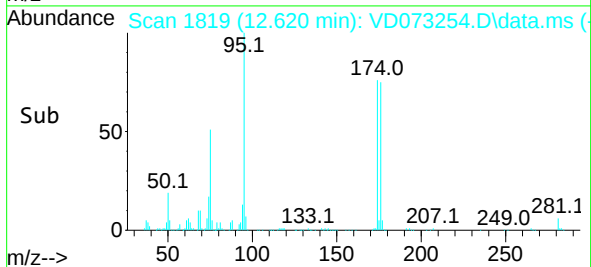
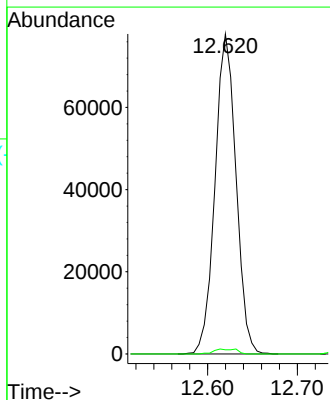
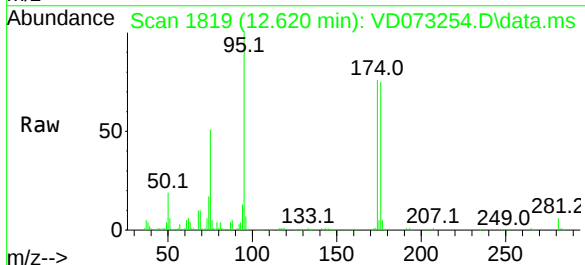
Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

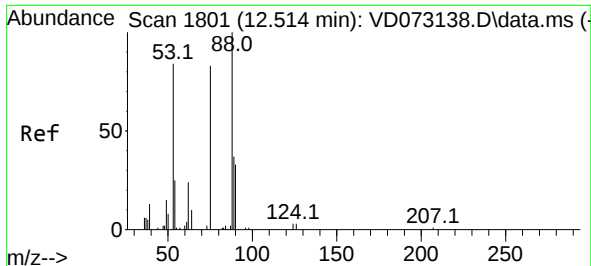
Tgt Ion:152 Resp: 255685
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 158.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 50.337 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 75 Resp: 126280
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

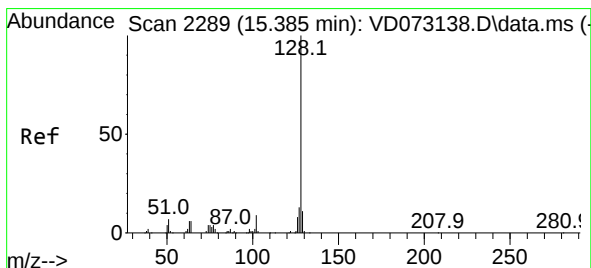
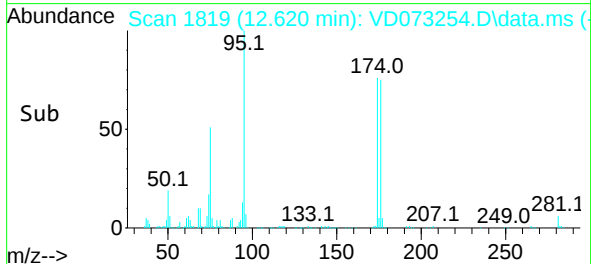
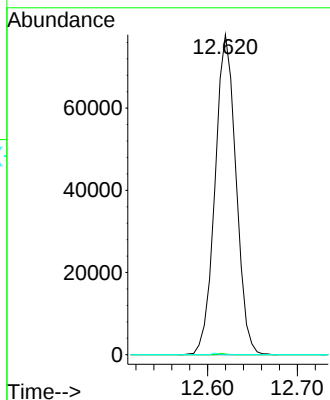
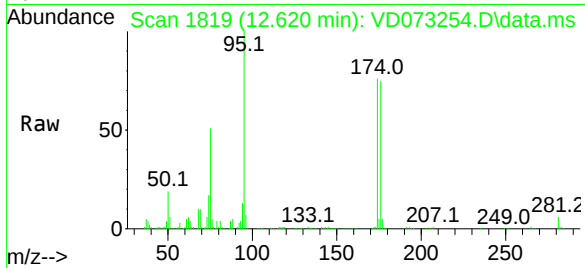




#81
trans-1,4-Dichloro-2-butene
Concen: 120.843 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Instrument :
MSVOA_D
ClientSampleId :
P024-SS001-0612-01

Tgt Ion: 75 Resp: 126280
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.682 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD073254.D
Acq: 22 May 2022 04:36

Tgt Ion: 128 Resp: 1263
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 0.0 8.4 12.6#

