

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073362.D
 Acq On : 25 May 2022 15:56
 Operator : VA/SY
 Sample : N2842-23
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P025-SS001-0612-01

Quant Time: May 26 02:25:13 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)

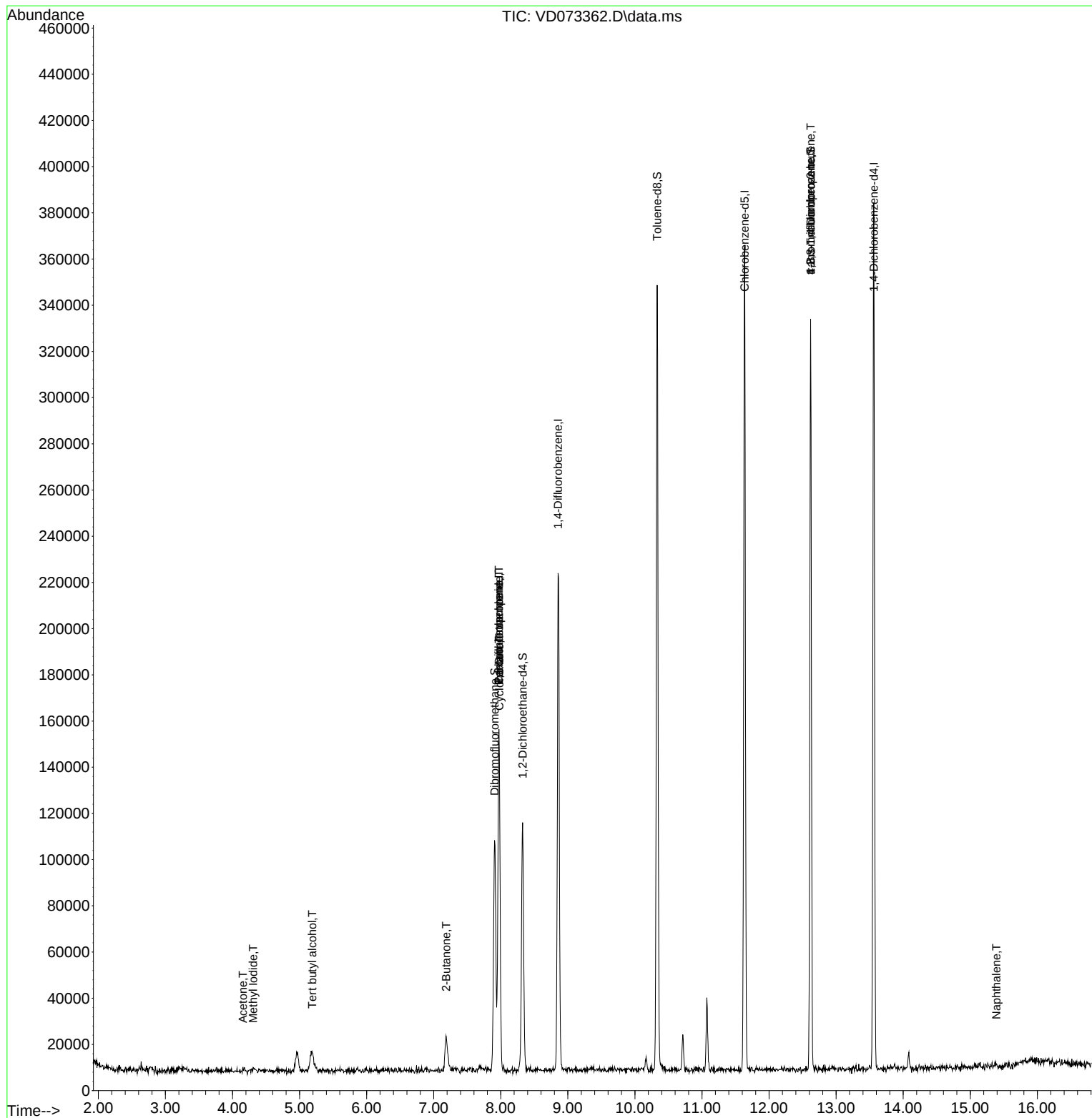
Internal Standards						
1) Pentafluorobenzene	7.973	168	107029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	187772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	214544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	101356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	84481	71.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.840%			
35) Dibromofluoromethane	7.908	113	74202	59.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.780%			
50) Toluene-d8	10.332	98	233691	51.165	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.620	95	96465	60.182	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.360%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	877	Below Cal	#	18
10) Methyl Iodide	4.309	142	1529	1.215	ug/l #	79
11) Tert butyl alcohol	5.191	59	11219	61.134	ug/l #	79
16) Acetone	4.156	43	1149	5.608	ug/l #	86
20) Methylene Chloride	4.956	84	3449	Below Cal	#	66
25) 2-Butanone	7.185	43	684	2.282	ug/l #	52
31) Cyclohexane	7.979	56	2413	1.167	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	9022	4.841	ug/l #	51
38) Carbon Tetrachloride	7.973	117	11060	5.855	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	48049	48.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	48049	115.991	ug/l #	7
95) Naphthalene	15.390	128	1129	3.858	ug/l #	70

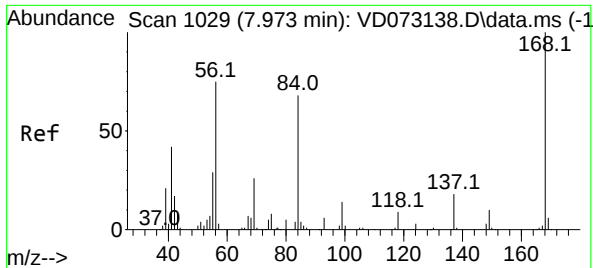
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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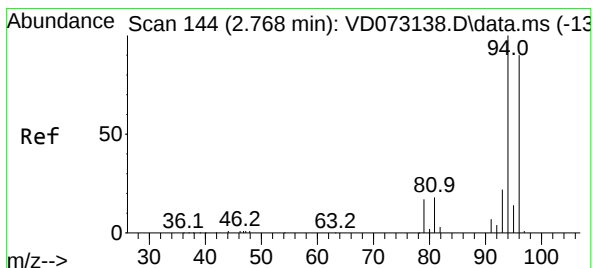
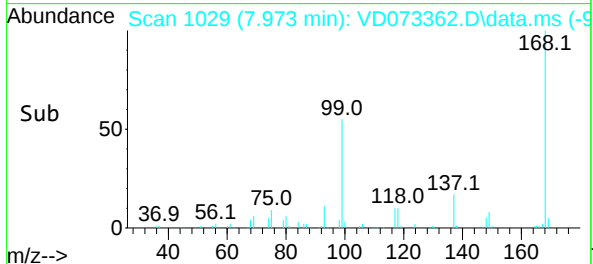
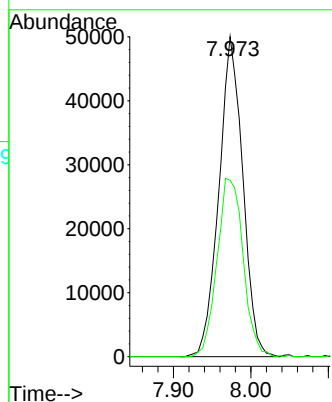
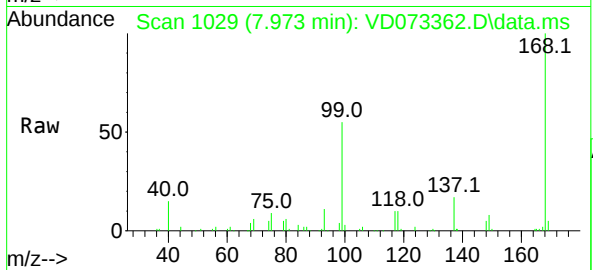




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

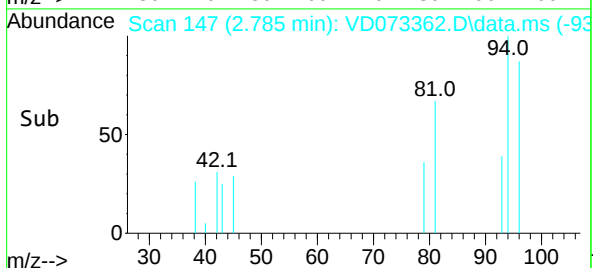
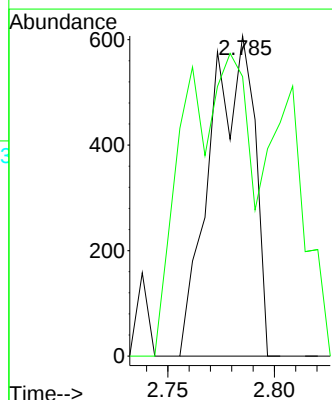
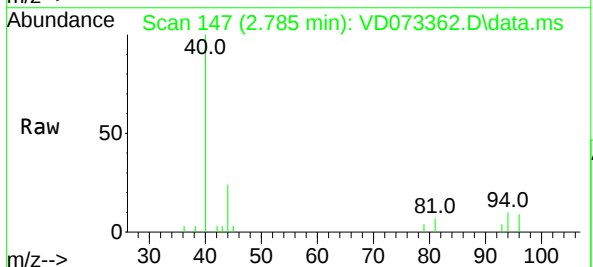
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

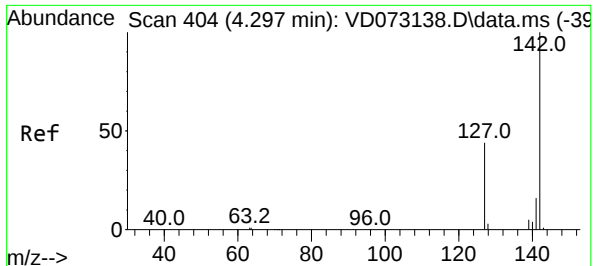
Tgt Ion:168 Resp: 107029
Ion Ratio Lower Upper
168 100
99 55.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion: 94 Resp: 877
Ion Ratio Lower Upper
94 100
96 16.1 77.6 116.4#

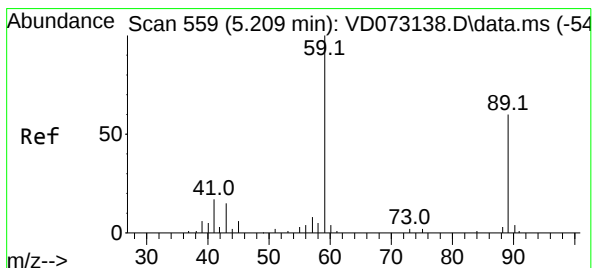
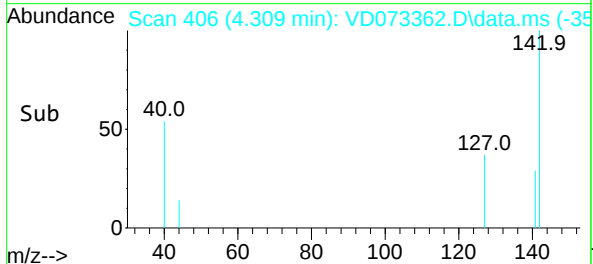
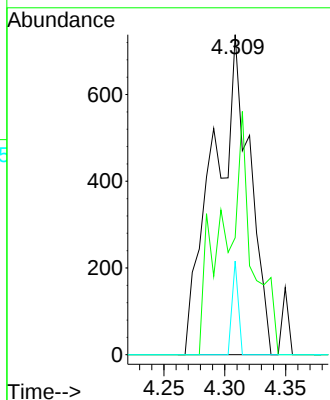
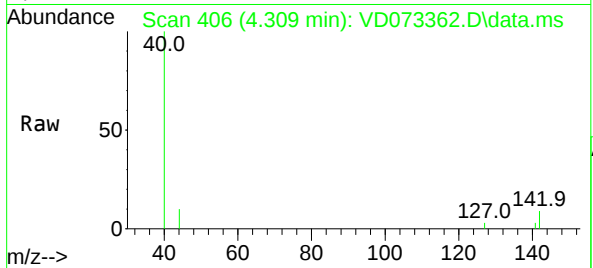




#10
Methyl Iodide
Concen: 1.215 ug/l
RT: 4.309 min Scan# 404
Delta R.T. 0.012 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

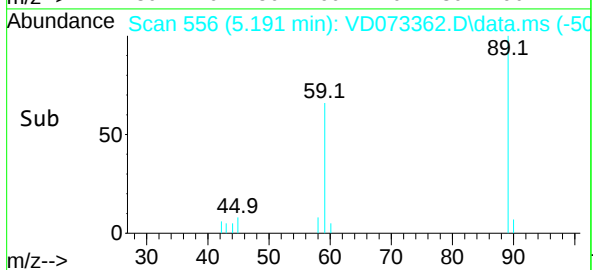
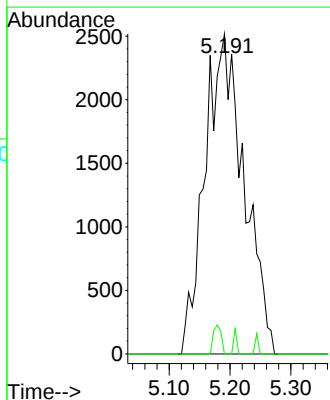
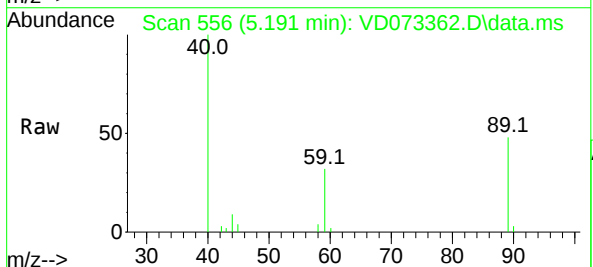
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

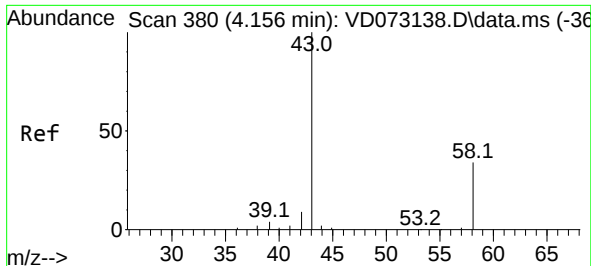
Tgt Ion:142 Resp: 1529
Ion Ratio Lower Upper
142 100
127 60.5 37.3 55.9#
141 5.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 61.134 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion: 59 Resp: 11219
Ion Ratio Lower Upper
59 100
57 1.8 7.8 11.6#





#16

Acetone

Concen: 5.608 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD073362.D

Acq: 25 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

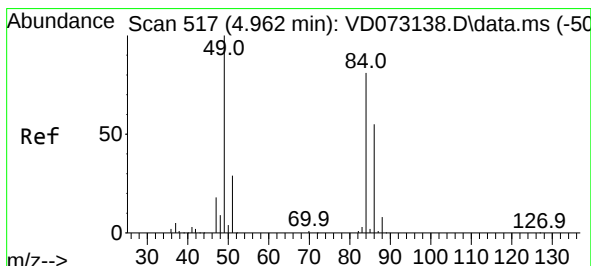
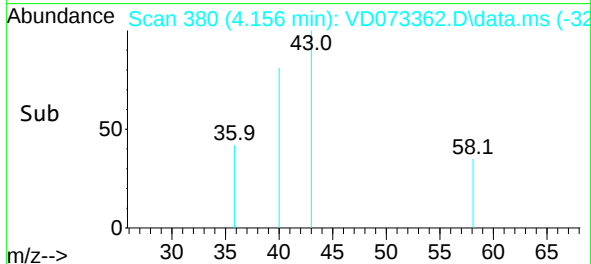
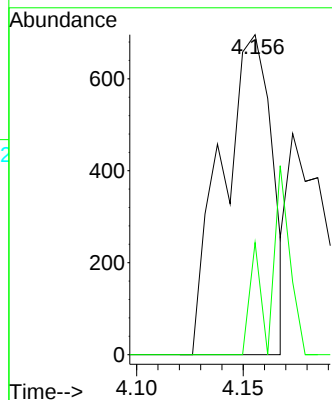
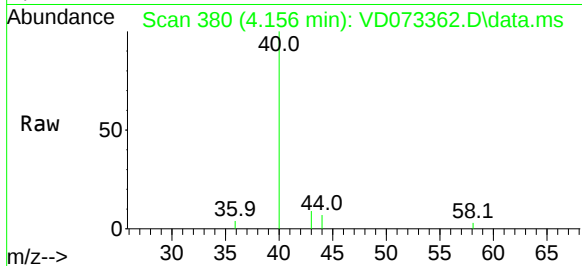
P025-SS001-0612-01

Tgt Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

58 35.1 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073362.D

Acq: 25 May 2022 15:56

Tgt Ion: 84 Resp: 3449

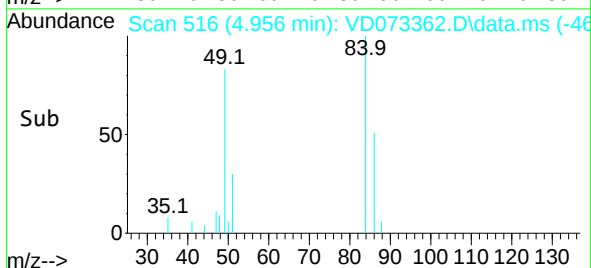
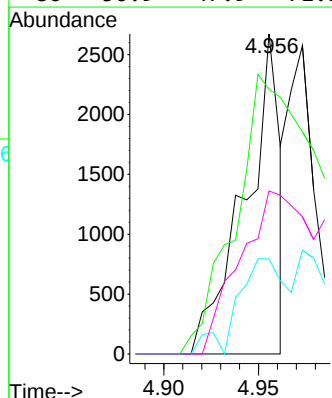
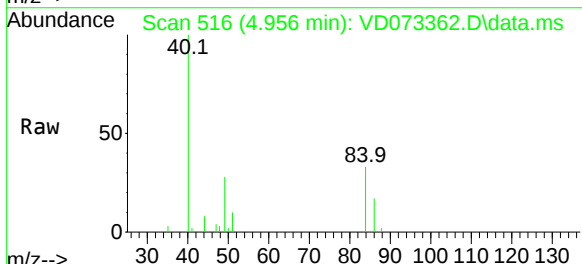
Ion Ratio Lower Upper

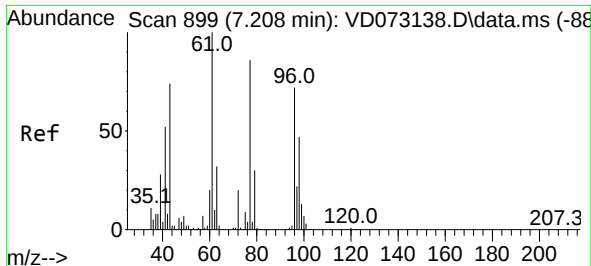
84 100

49 82.8 112.8 169.2#

51 29.7 32.6 48.8#

86 50.9 47.9 71.9

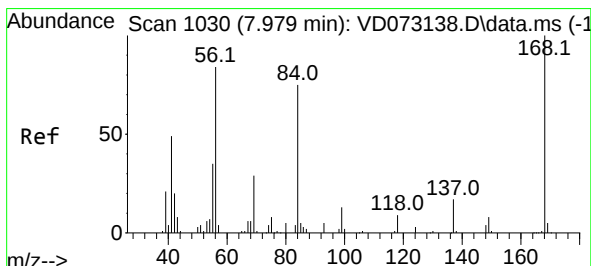
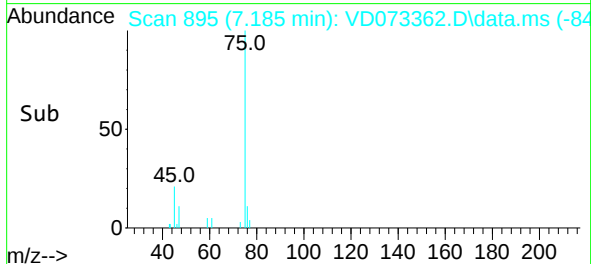
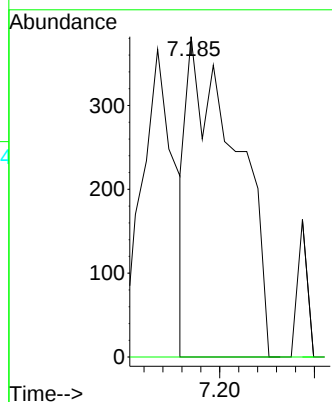
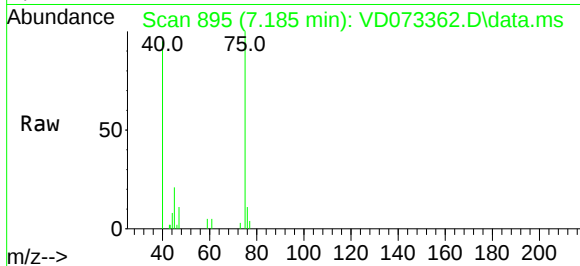




#25
2-Butanone
Concen: 2.282 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

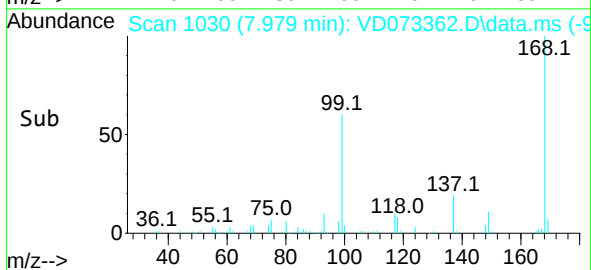
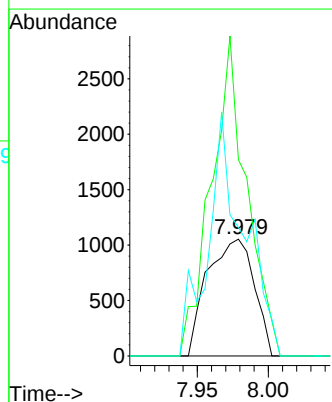
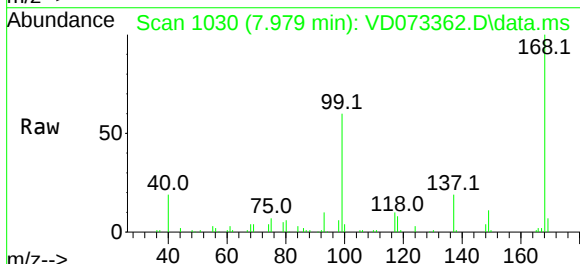
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

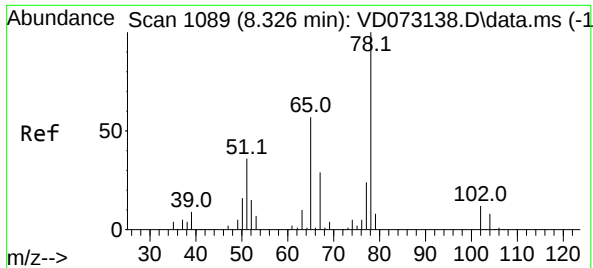
Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion: 56 Resp: 2413
Ion Ratio Lower Upper
56 100
69 168.1 25.4 38.2#
84 110.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 71.423 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073362.D

Acq: 25 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

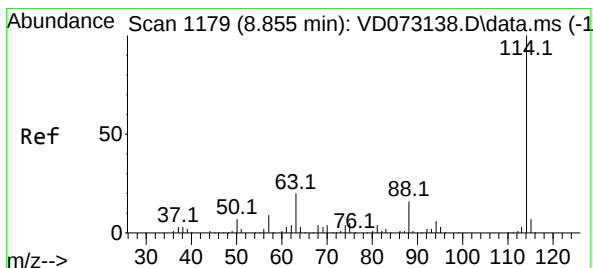
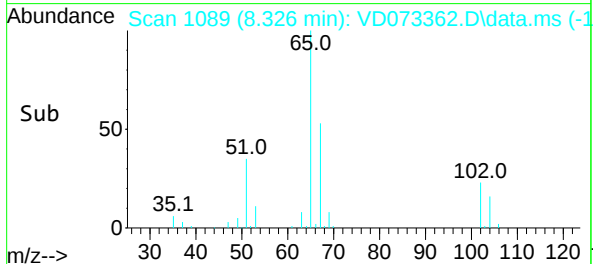
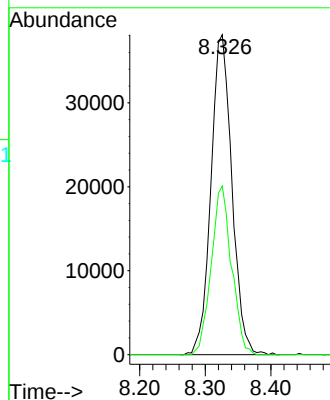
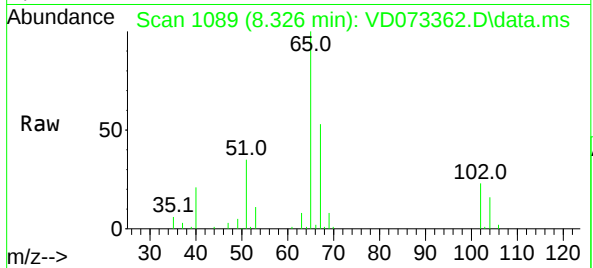
P025-SS001-0612-01

Tgt Ion: 65 Resp: 84481

Ion Ratio Lower Upper

65 100

67 51.1 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: VD073362.D

Acq: 25 May 2022 15:56

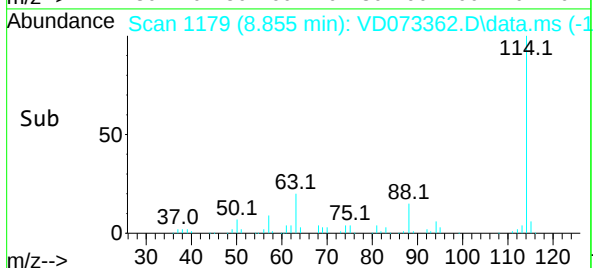
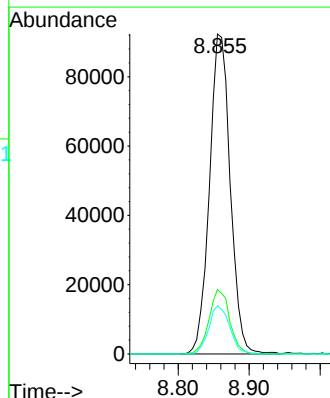
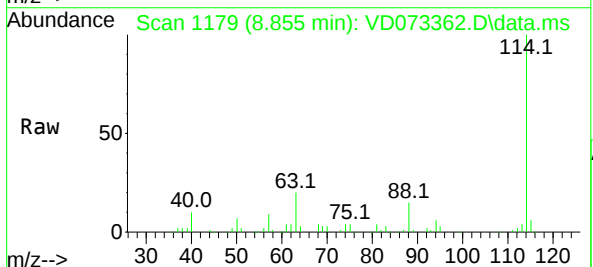
Tgt Ion: 114 Resp: 187772

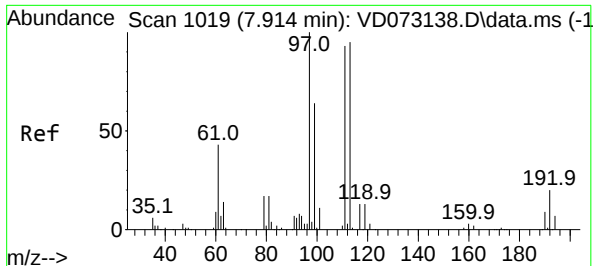
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.0 0.0 33.2

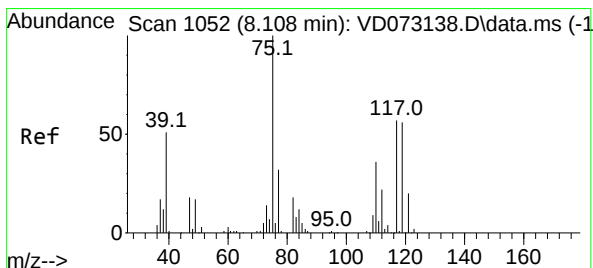
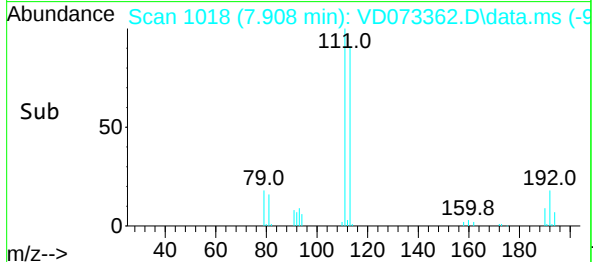
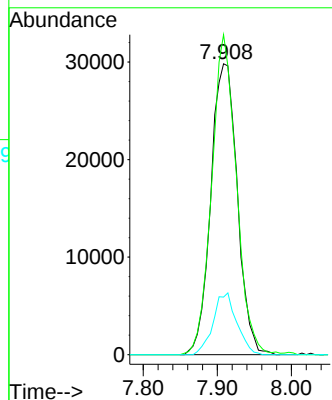
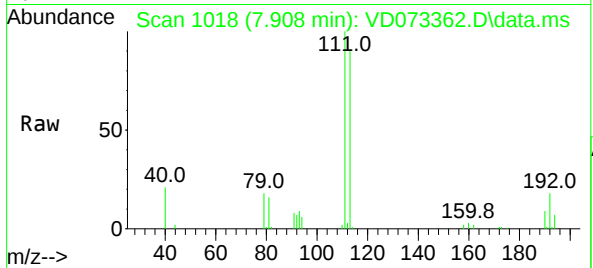




#35
Dibromofluoromethane
Concen: 59.886 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

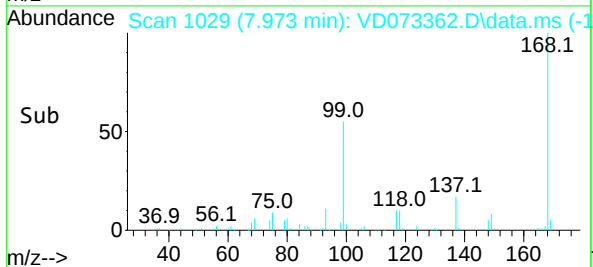
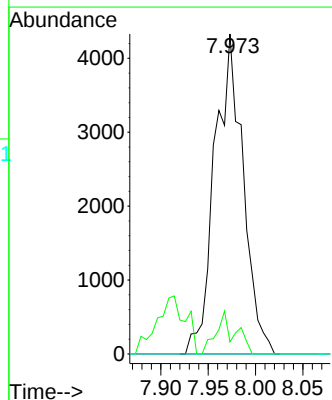
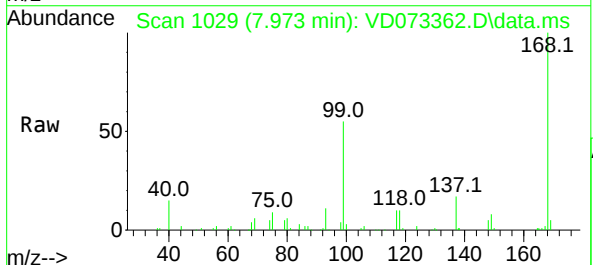
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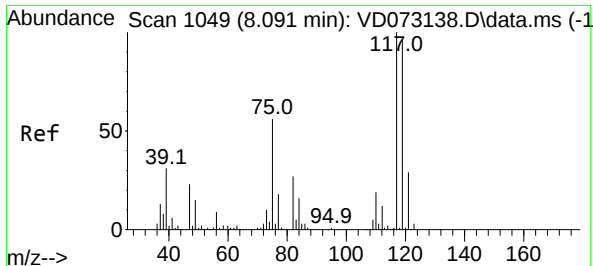
Tgt Ion:113 Resp: 74202
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 18.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

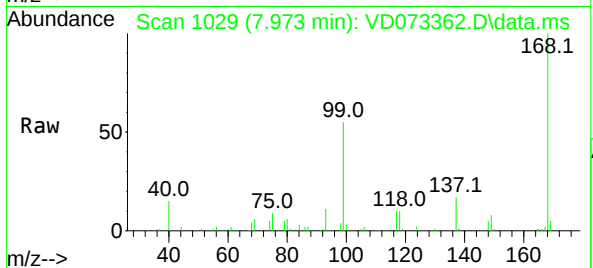
Tgt Ion: 75 Resp: 9022
Ion Ratio Lower Upper
75 100
110 8.9 16.4 49.1#
77 0.0 24.2 36.2#



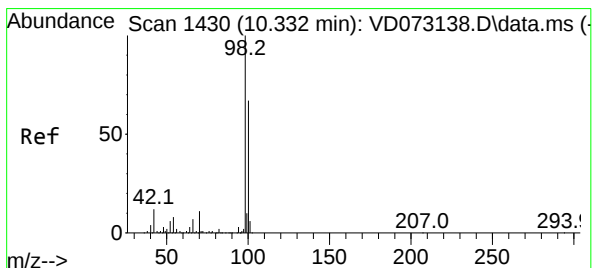
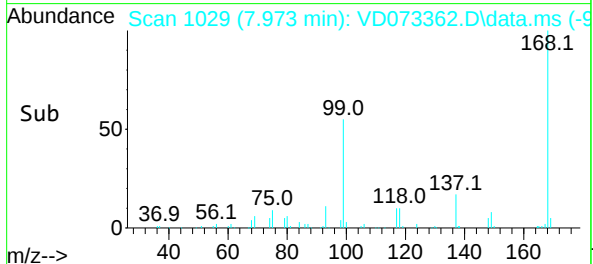
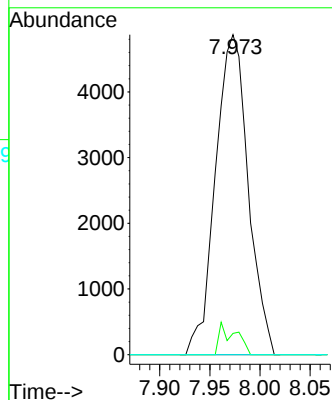


#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

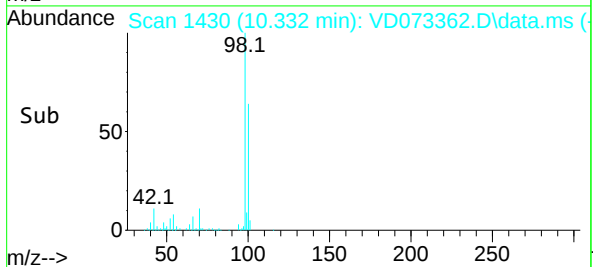
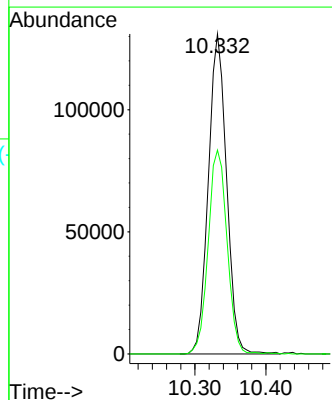
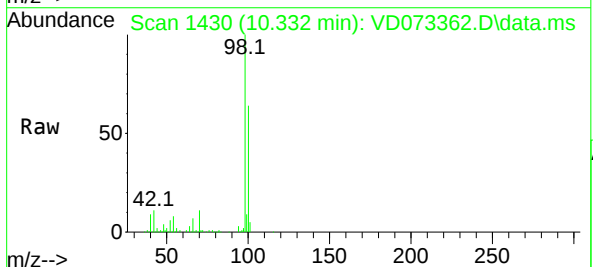


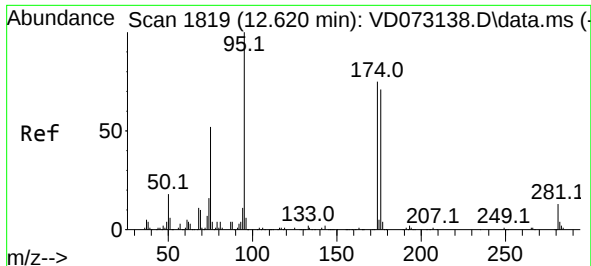
Tgt Ion:117 Resp: 11060
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion: 98 Resp: 233691
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

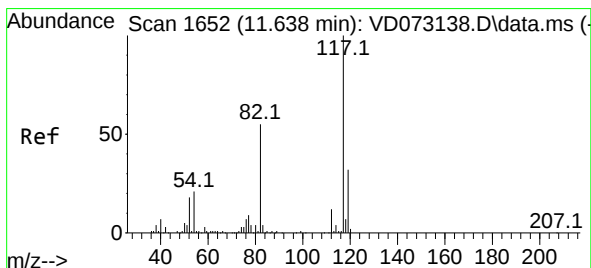
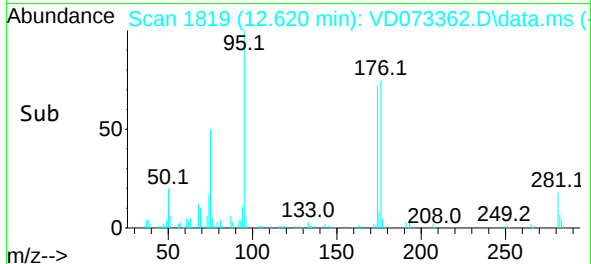
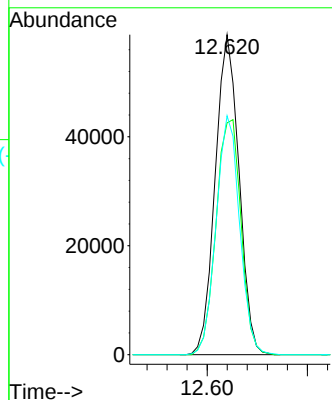
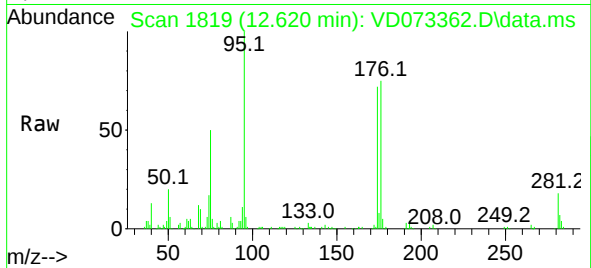




#62
4-Bromofluorobenzene
Concen: 60.182 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

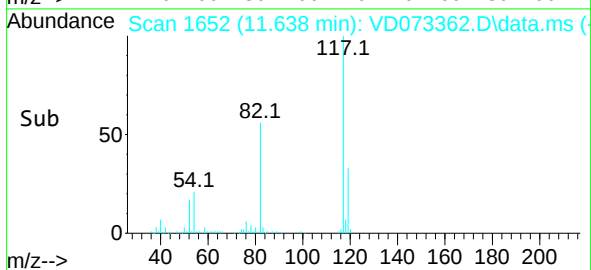
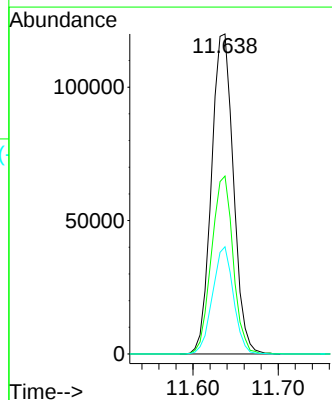
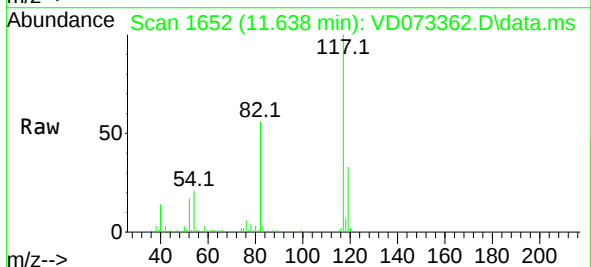
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

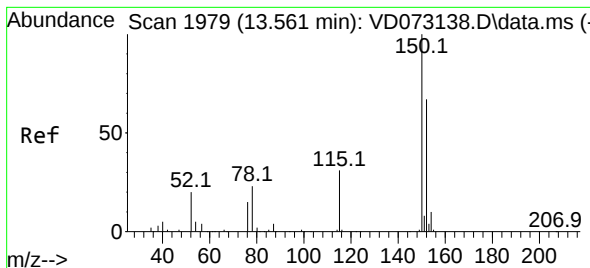
Tgt Ion:	95	Resp:	96465
Ion Ratio	Lower	Upper	
95	100		
174	77.2	0.0	152.8
176	74.1	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion:	117	Resp:	214544
Ion Ratio	Lower	Upper	
117	100		
82	55.6	45.3	67.9
119	33.5	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: VD073362.D

Acq: 25 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-0612-01

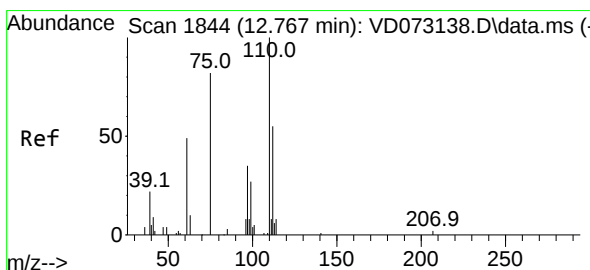
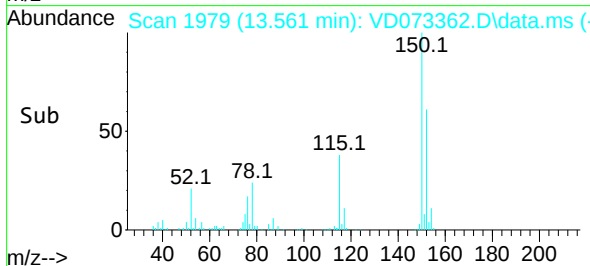
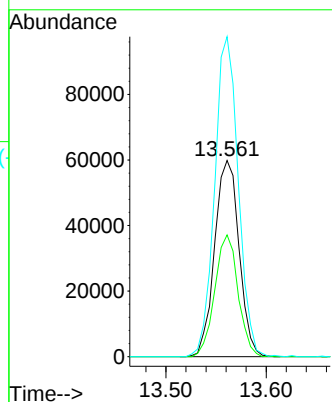
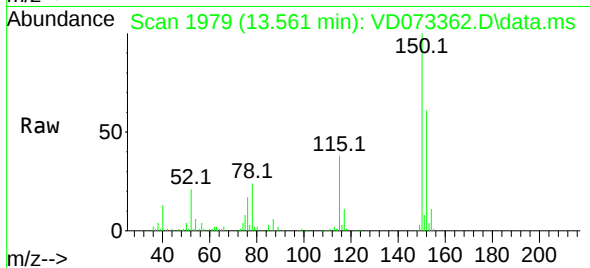
Tgt Ion:152 Resp: 101356

Ion Ratio Lower Upper

152 100

115 59.0 31.3 93.8

150 157.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.316 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073362.D

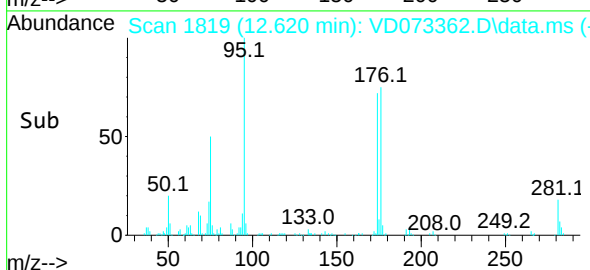
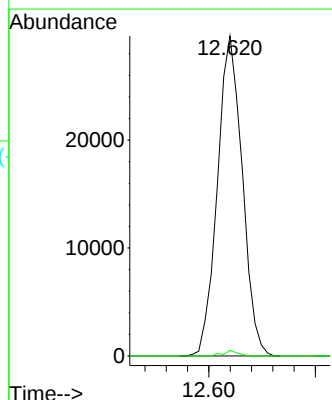
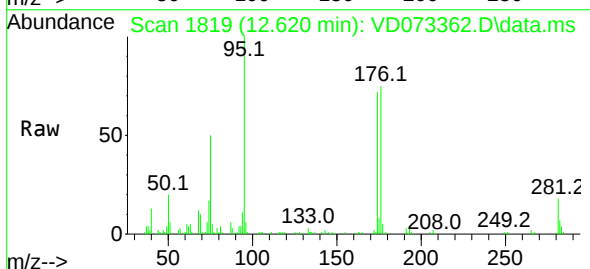
Acq: 25 May 2022 15:56

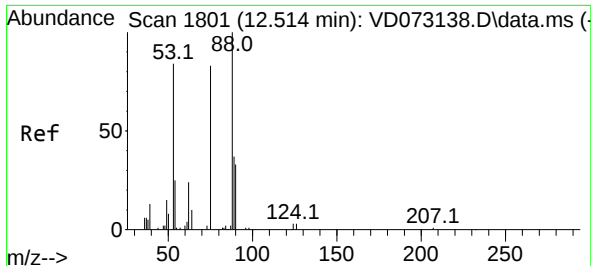
Tgt Ion: 75 Resp: 48049

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

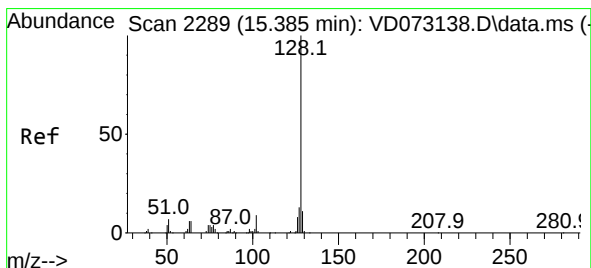
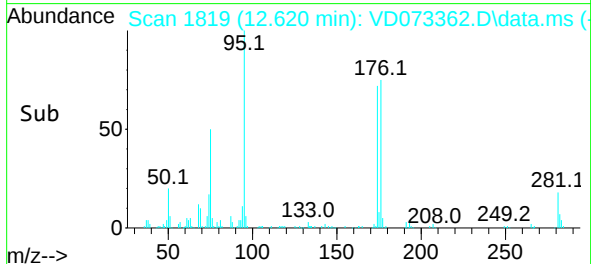
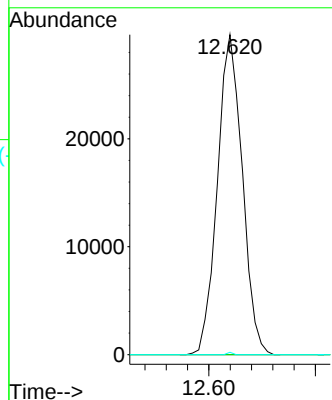
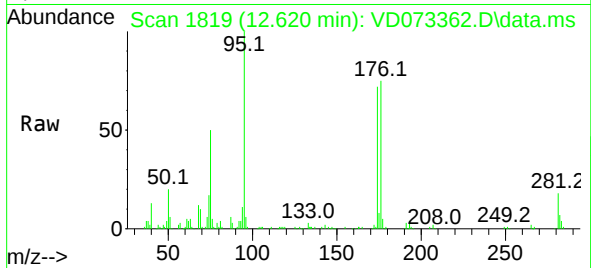




#81
trans-1,4-Dichloro-2-butene
Concen: 115.991 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0612-01

Tgt Ion: 75 Resp: 48049
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 3.858 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073362.D
Acq: 25 May 2022 15:56

Tgt Ion: 128 Resp: 1129
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

