

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073185.D
 Acq On : 20 May 2022 14:52
 Operator : VA/SY
 Sample : N2842-08RE
 Misc : 5.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS004-0006-01

Quant Time: May 20 18:21:03 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	116479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	202028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	231521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	111036	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	95184	73.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.880%
35) Dibromofluoromethane	7.908	113	82577	61.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.880%
50) Toluene-d8	10.332	98	255766	52.046	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.100%
62) 4-Bromofluorobenzene	12.620	95	99053	57.436	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	114.880%

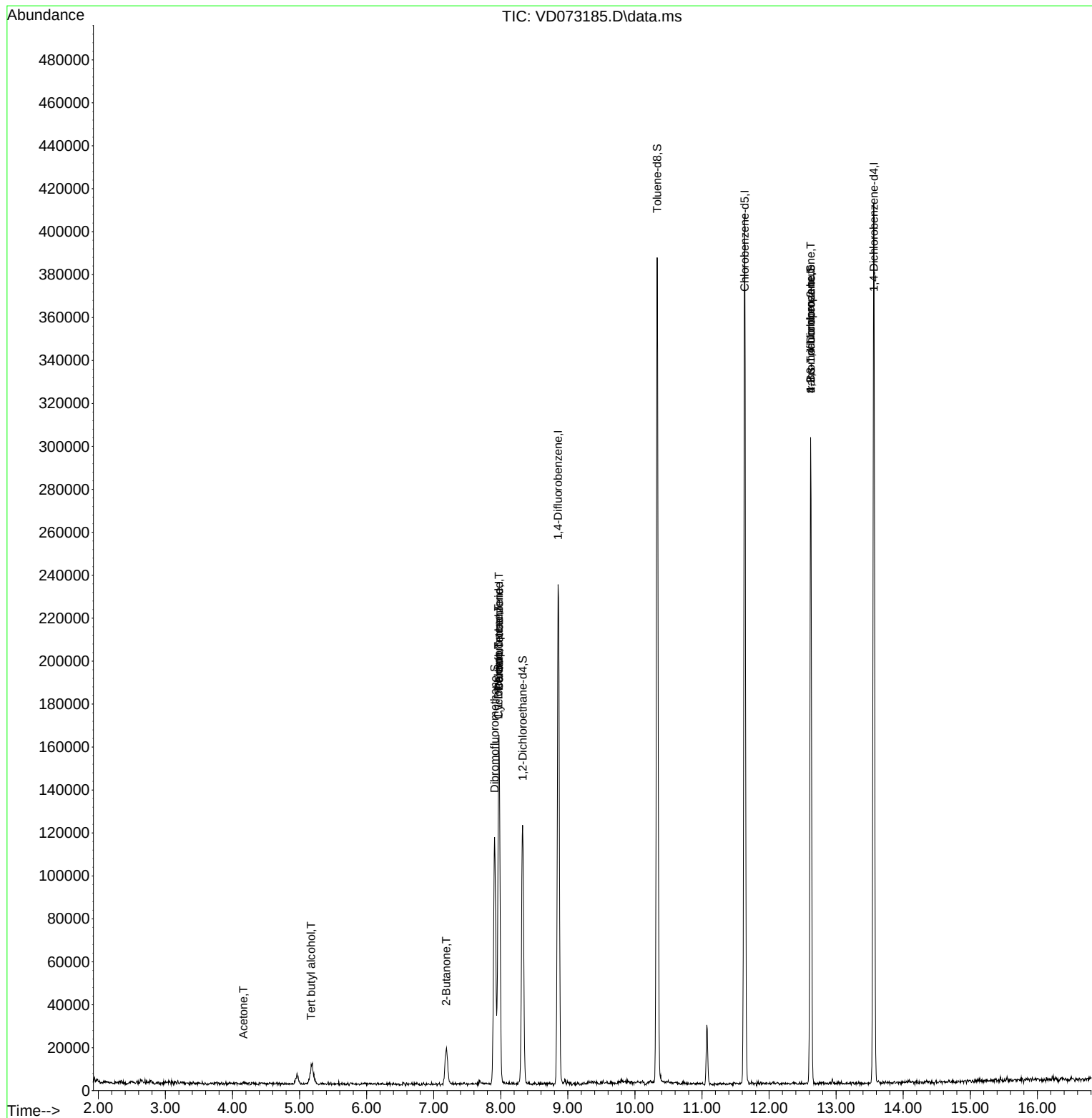
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	630	Below Cal	#	66
11) Tert butyl alcohol	5.173	59	9214	46.135	ug/l #	74
16) Acetone	4.161	43	684	3.068	ug/l #	47
20) Methylene Chloride	4.961	84	3534	Below Cal		98
25) 2-Butanone	7.185	43	689	2.112	ug/l #	52
31) Cyclohexane	7.967	56	2326	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	10515	5.244	ug/l #	50
38) Carbon Tetrachloride	7.973	117	13475	6.630	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	50446	46.304	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	50446	111.161	ug/l #	7

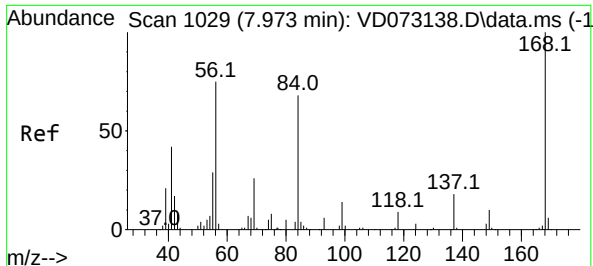
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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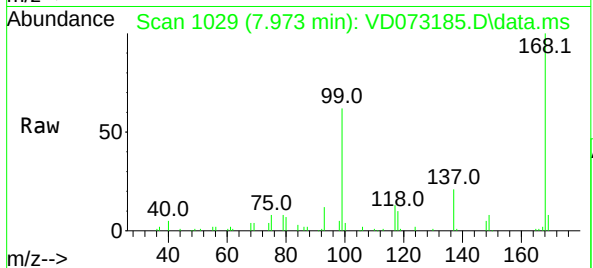
Quant Time: May 20 18:21:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



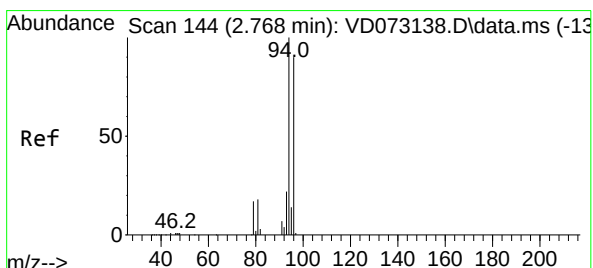
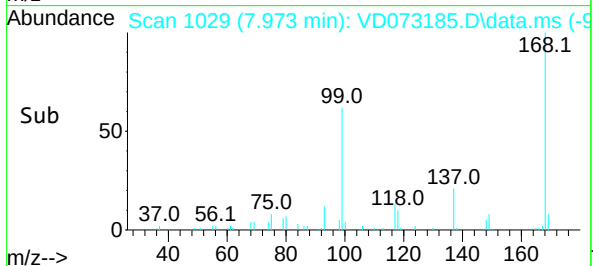
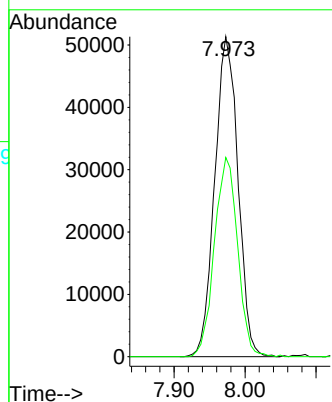


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Instrument :
MSVOA_D
ClientSampleId :
P016-SS004-0006-01

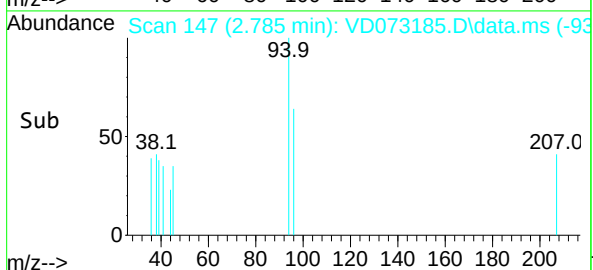
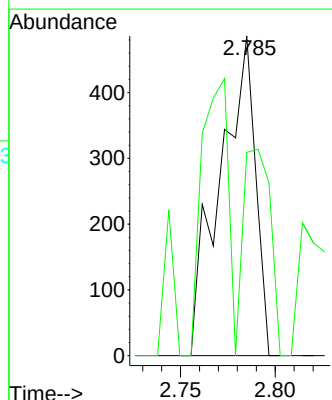
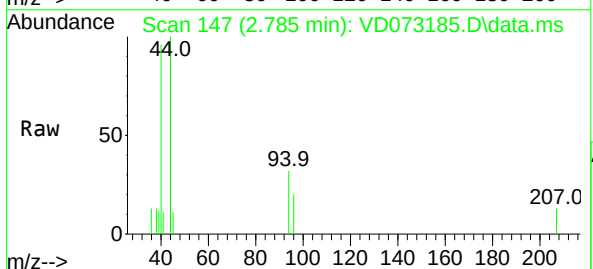


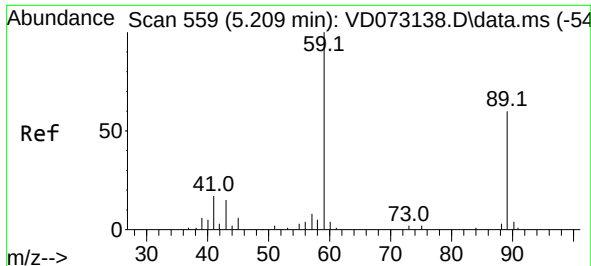
Tgt Ion:168 Resp: 116479
Ion Ratio Lower Upper
168 100
99 62.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 63.6 77.6 116.4#

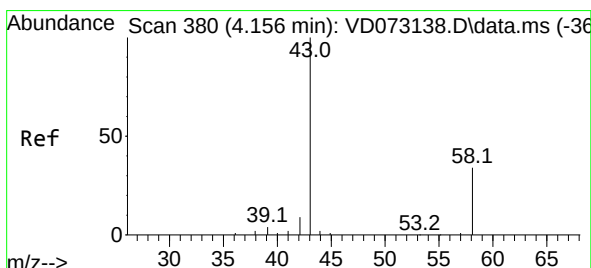
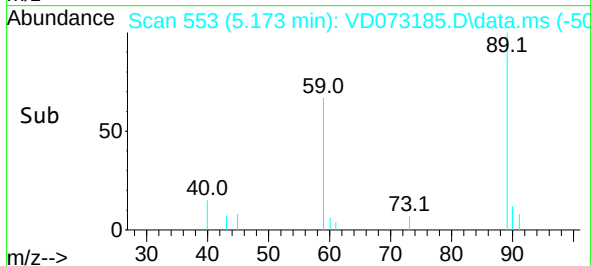
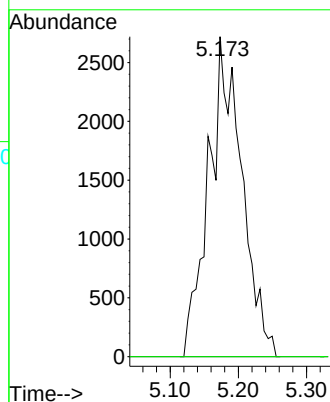
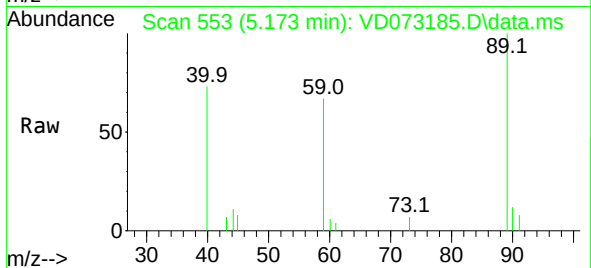




#11
Tert butyl alcohol
Concen: 46.135 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

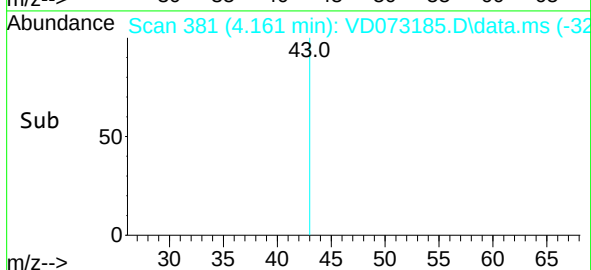
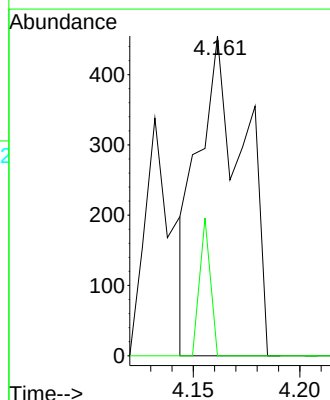
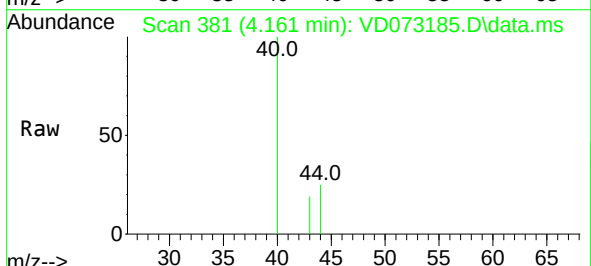
Instrument :
MSVOA_D
ClientSampleId :
P016-SS004-0006-01

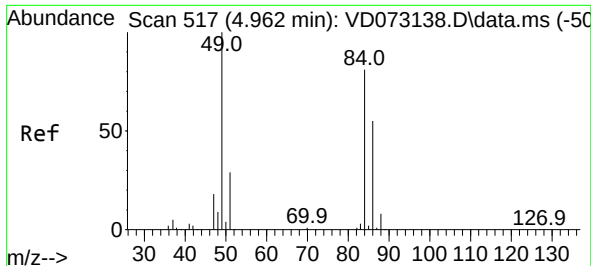
Tgt Ion: 59 Resp: 9214
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.068 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD073185.D

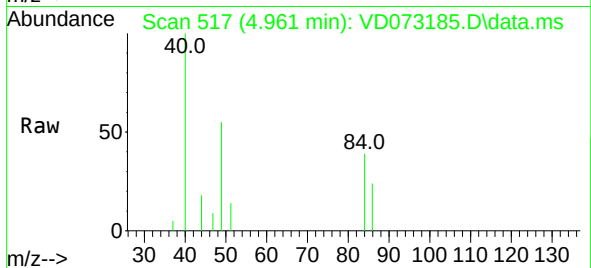
Acq: 20 May 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

P016-SS004-0006-01



Tgt Ion: 84 Resp: 3534

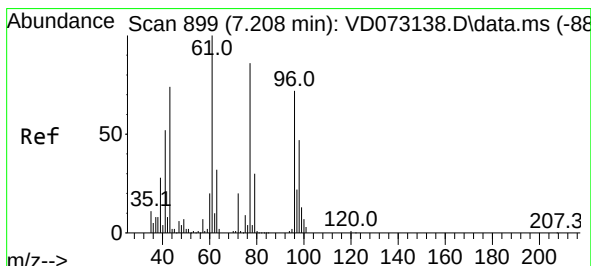
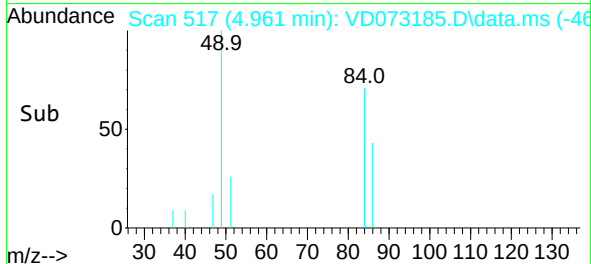
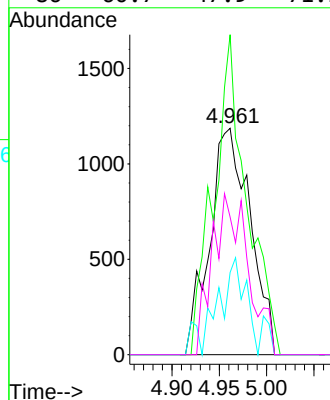
Ion Ratio Lower Upper

84 100

49 141.3 112.8 169.2

51 36.3 32.6 48.8

86 60.7 47.9 71.9



#25

2-Butanone

Concen: 2.112 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073185.D

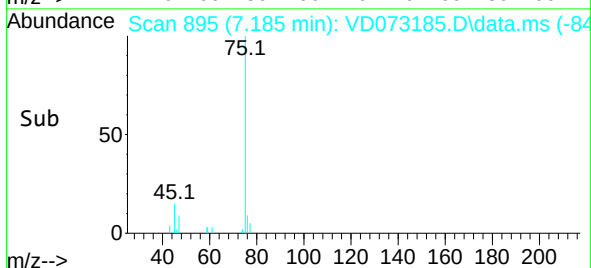
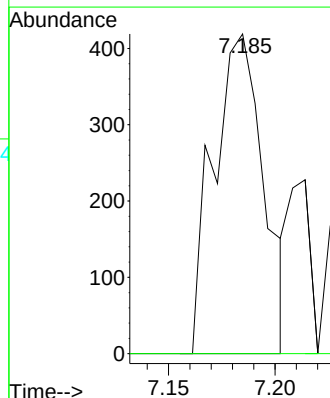
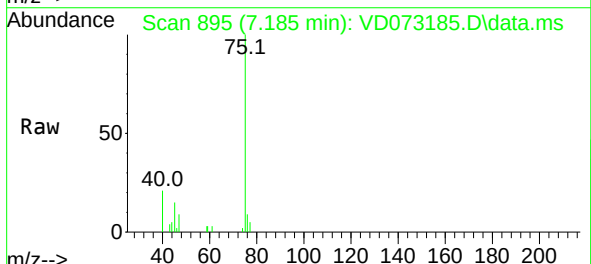
Acq: 20 May 2022 14:52

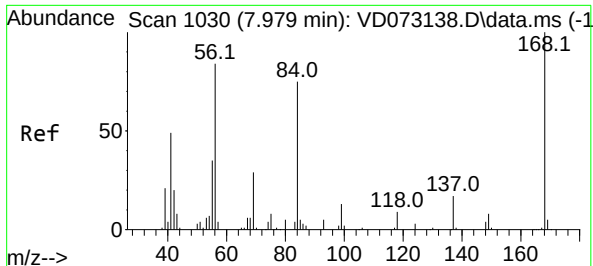
Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073185.D

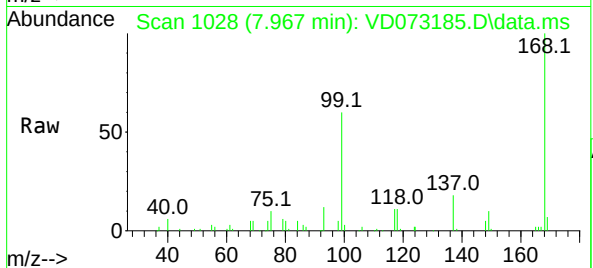
Acq: 20 May 2022 14:52

Instrument :

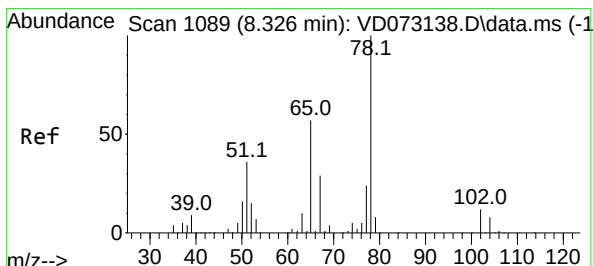
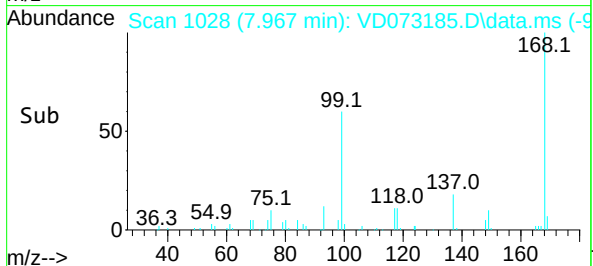
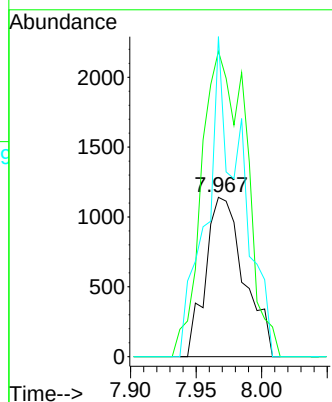
MSVOA_D

ClientSampleId :

P016-SS004-0006-01



Tgt Ion:	56	Resp:	2326
Ion	Ratio	Lower	Upper
56	100		
69	191.7	25.4	38.2#
84	200.8	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 73.943 ug/l

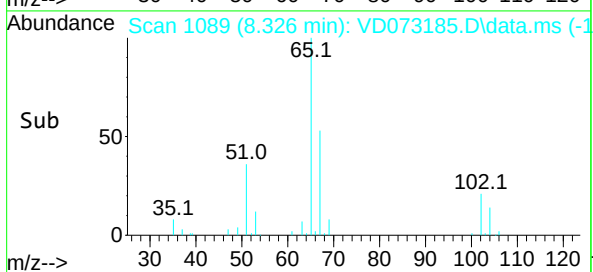
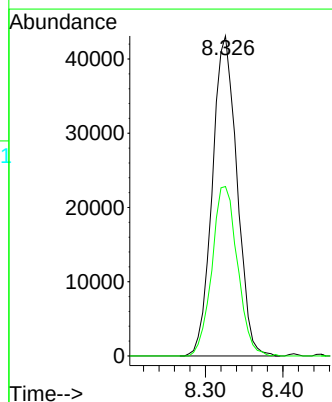
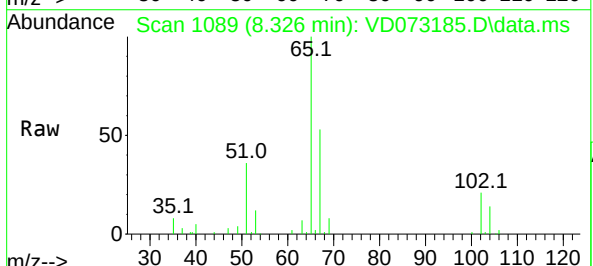
RT: 8.326 min Scan# 1089

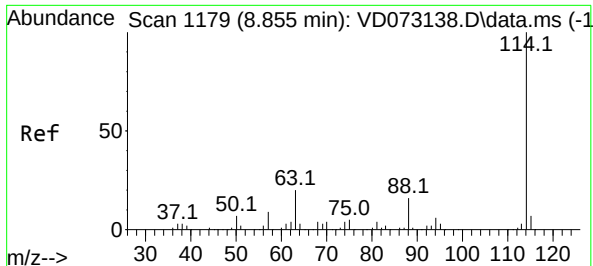
Delta R.T. -0.000 min

Lab File: VD073185.D

Acq: 20 May 2022 14:52

Tgt Ion:	65	Resp:	95184
Ion	Ratio	Lower	Upper
65	100		
67	55.0	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: VD073185.D

Acq: 20 May 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

P016-SS004-0006-01

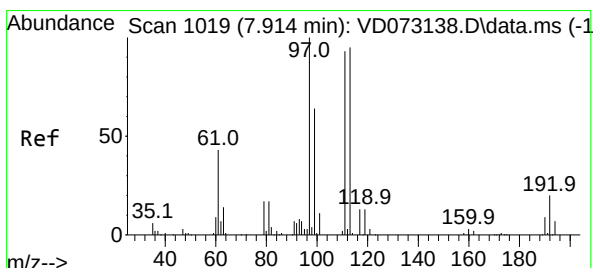
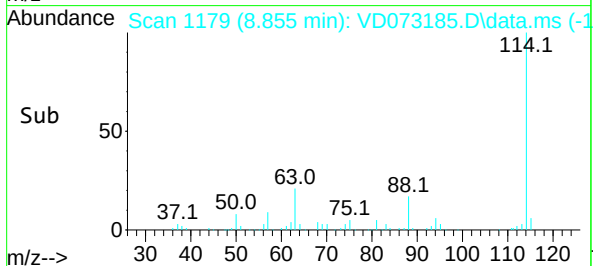
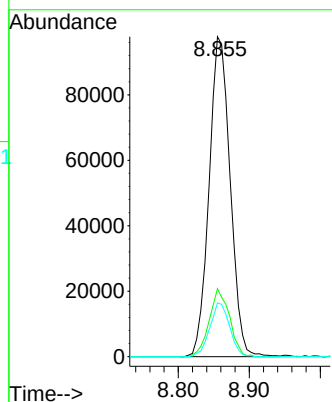
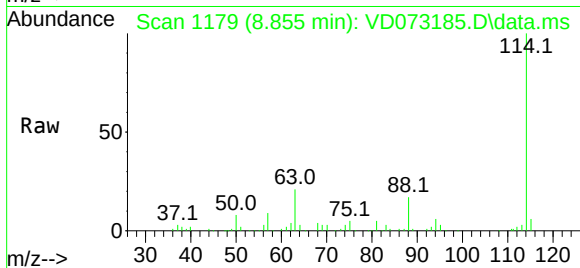
Tgt Ion:114 Resp: 202028

Ion Ratio Lower Upper

114 100

63 21.3 0.0 46.6

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 61.943 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073185.D

Acq: 20 May 2022 14:52

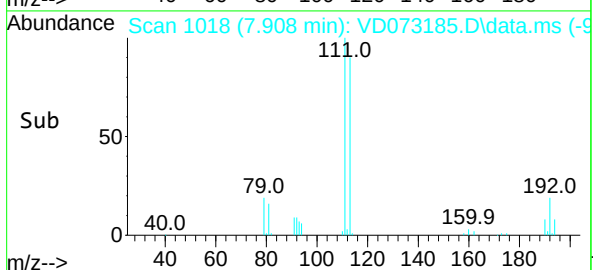
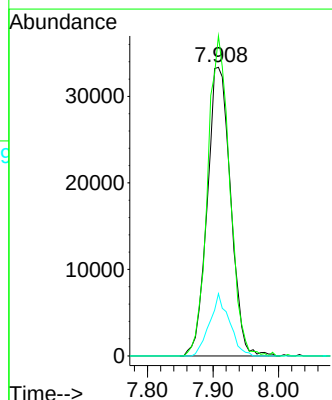
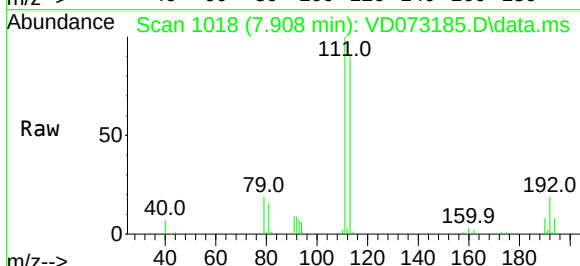
Tgt Ion:113 Resp: 82577

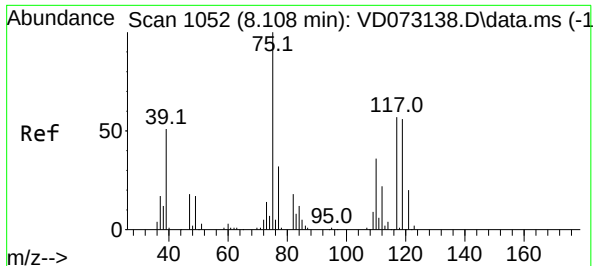
Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 18.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.244 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073185.D

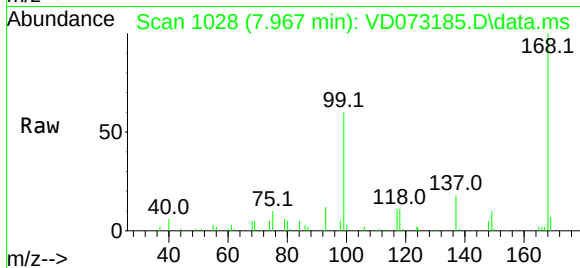
Acq: 20 May 2022 14:52

Instrument :

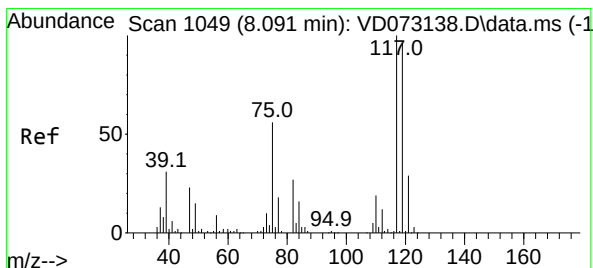
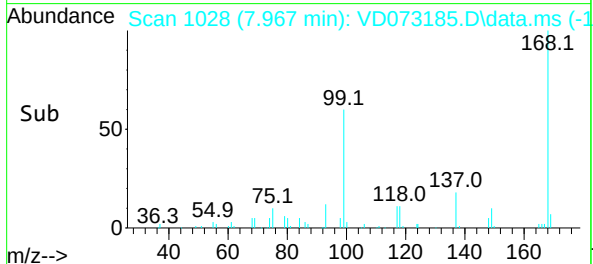
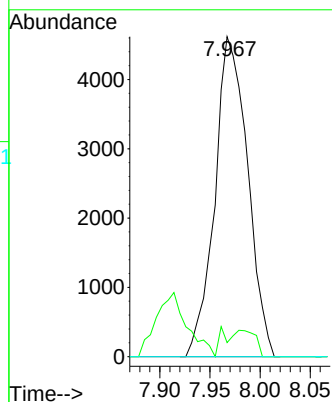
MSVOA_D

ClientSampleId :

P016-SS004-0006-01



Tgt Ion: 75	Resp: 10515
Ion Ratio	Lower Upper
75	100
110	7.8 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.630 ug/l

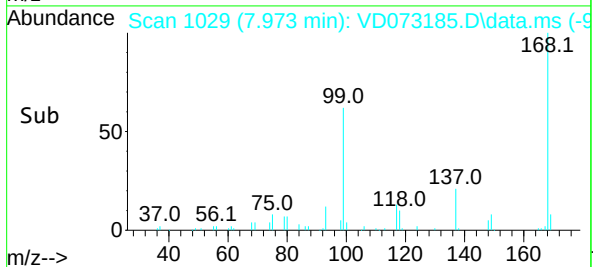
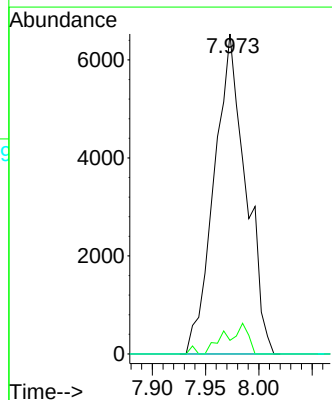
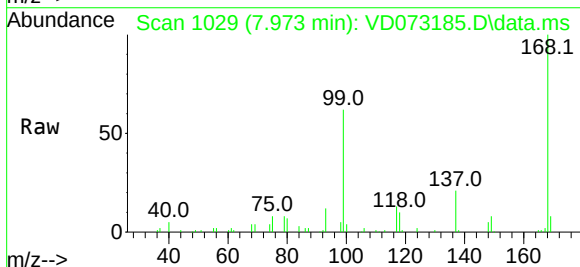
RT: 7.973 min Scan# 1029

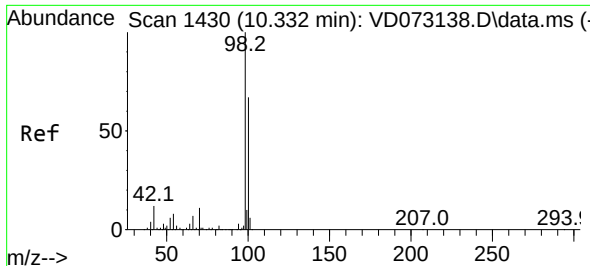
Delta R.T. -0.118 min

Lab File: VD073185.D

Acq: 20 May 2022 14:52

Tgt Ion: 117	Resp: 13475
Ion Ratio	Lower Upper
117	100
119	4.3 75.8 113.6#
121	0.0 24.5 36.7#

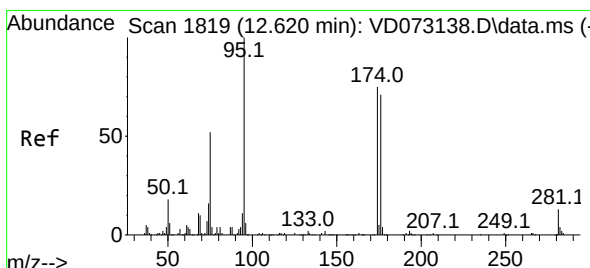
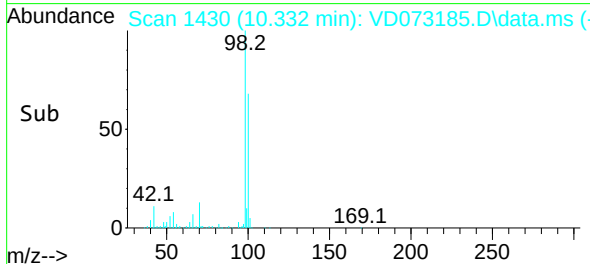
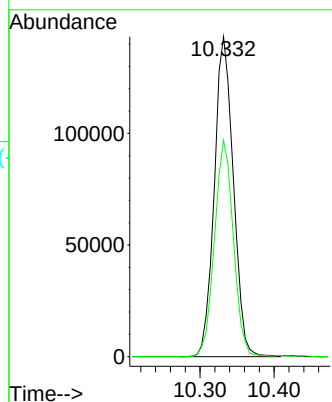
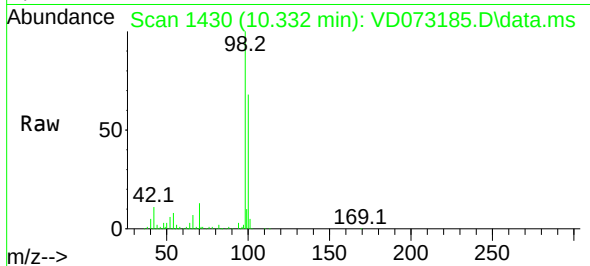




#50
Toluene-d8
Concen: 52.046 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

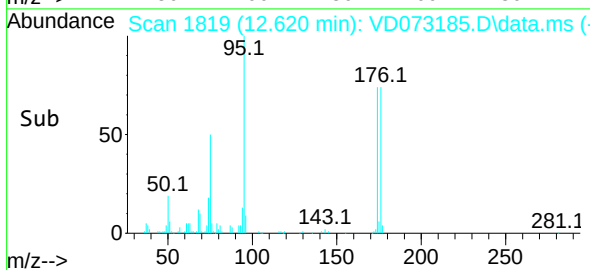
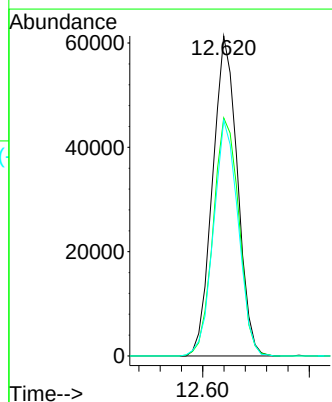
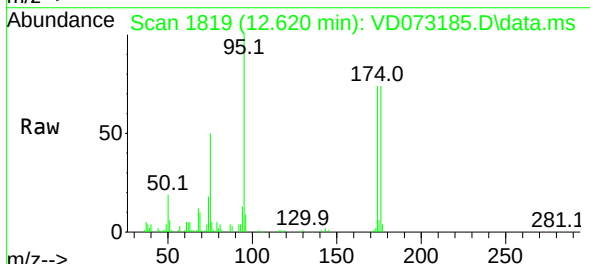
Instrument :
MSVOA_D
ClientSampleId :
P016-SS004-0006-01

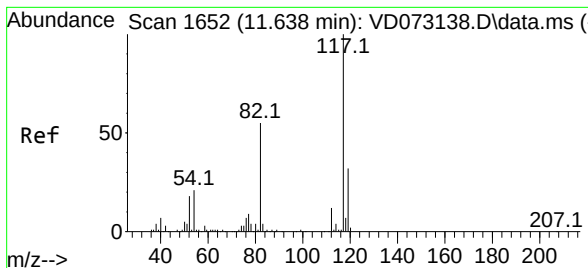
Tgt Ion: 98 Resp: 255766
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 57.436 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Tgt Ion: 95 Resp: 99053
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD073185.D

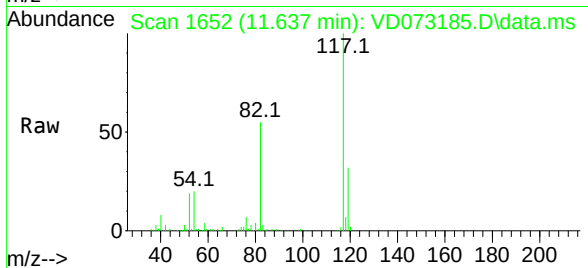
Acq: 20 May 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

P016-SS004-0006-01



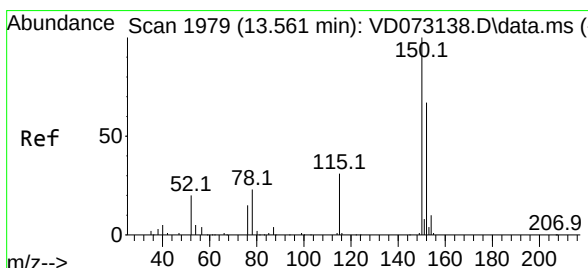
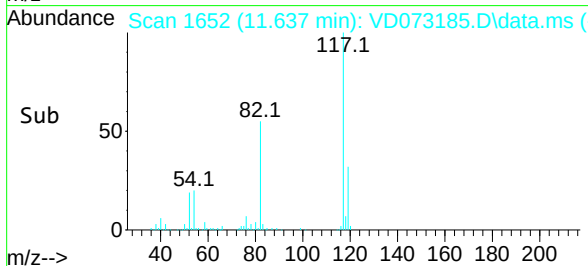
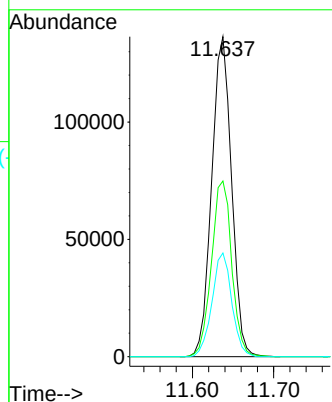
Tgt Ion:117 Resp: 231521

Ion Ratio Lower Upper

117 100

82 54.9 45.3 67.9

119 32.4 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: VD073185.D

Acq: 20 May 2022 14:52

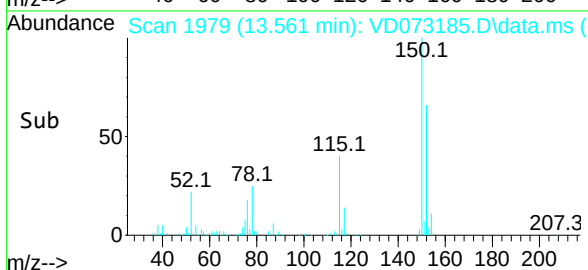
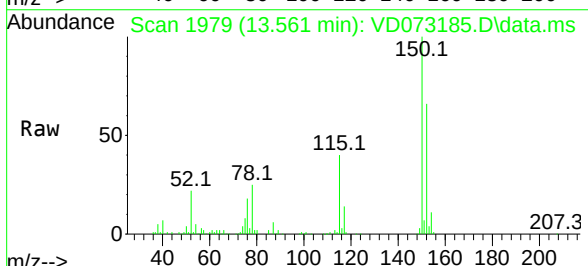
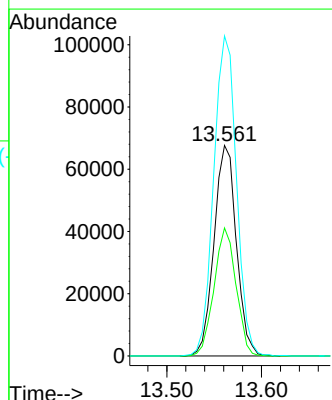
Tgt Ion:152 Resp: 111036

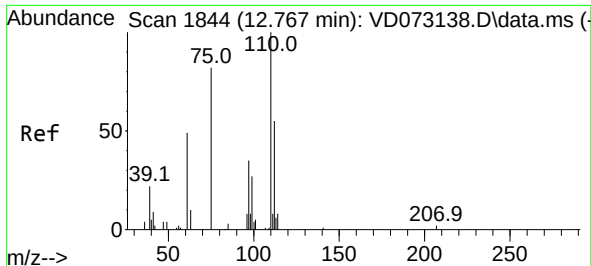
Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 154.8 0.0 348.6

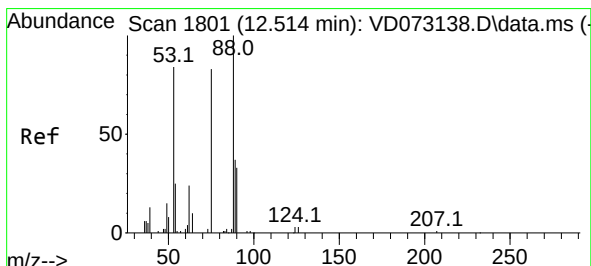
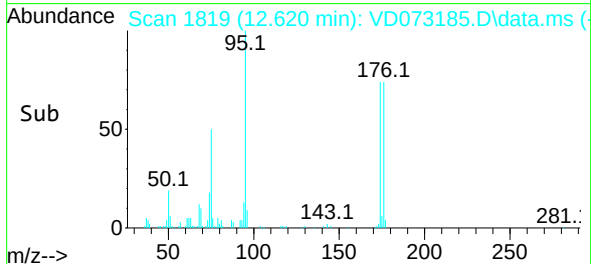
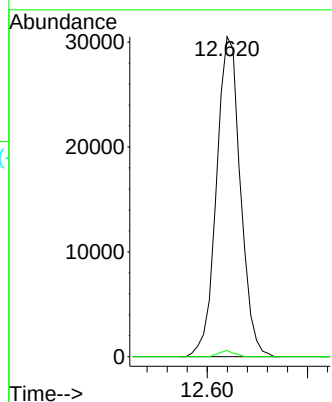
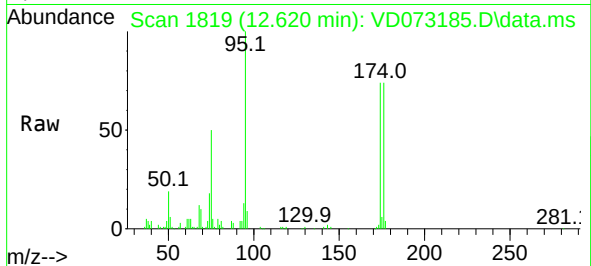




#76
1,2,3-Trichloropropane
Concen: 46.304 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Instrument :
MSVOA_D
ClientSampleId :
P016-SS004-0006-01

Tgt Ion: 75 Resp: 50446
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.161 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073185.D
Acq: 20 May 2022 14:52

Tgt Ion: 75 Resp: 50446
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#

