

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072990.D
 Acq On : 13 May 2022 15:29
 Operator : VA/SY
 Sample : N2817-20
 Misc : 5.55 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-2430-01

Quant Time: May 13 16:18:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

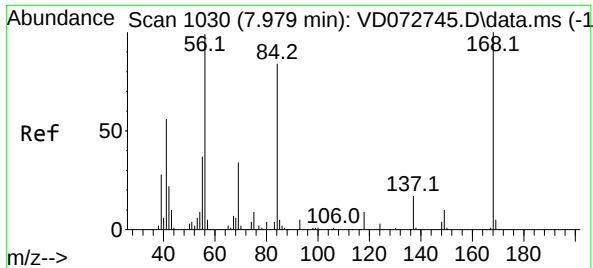
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	339984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	605710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	594821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	270501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181137	41.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.080%
35) Dibromofluoromethane	7.908	113	198926	46.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.520%
50) Toluene-d8	10.332	98	739348	48.452	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.620	95	288798	50.757	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.520%
Target Compounds						
5) Bromomethane	2.779	94	812	Below Cal	Qvalue	93
11) Tert butyl alcohol	5.191	59	11318	29.641 ug/l #		75
16) Acetone	4.150	43	1823	Below Cal		99
18) Methyl Acetate	4.932	43	103	Below Cal #		55
20) Methylene Chloride	4.967	84	20488	Below Cal #		80
25) 2-Butanone	7.191	43	2462	1.915 ug/l #		52
29) Tetrahydrofuran	7.550	42	891	1.087 ug/l #		82
31) Cyclohexane	7.967	56	9022	1.169 ug/l #		16
38) Carbon Tetrachloride	7.973	117	34228	4.767 ug/l #		19
49) 1,4-Dioxane	9.367	88	95	2.915 ug/l #		1
74) N-amyl acetate	12.249	43	7009	1.337 ug/l #		64
76) 1,2,3-Trichloropropane	12.620	75	149688	49.627 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	149688	114.122 ug/l #		10

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

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Response via : Initial Calibration

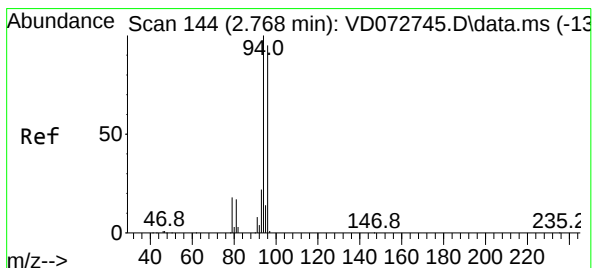
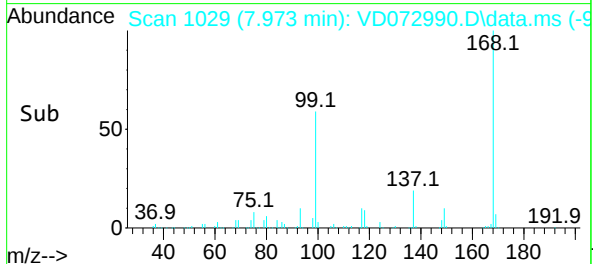
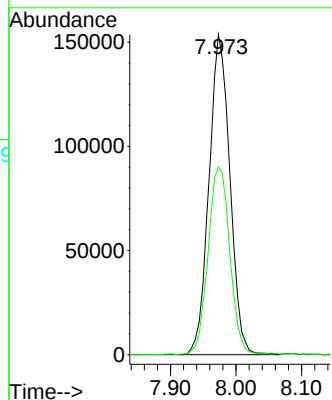
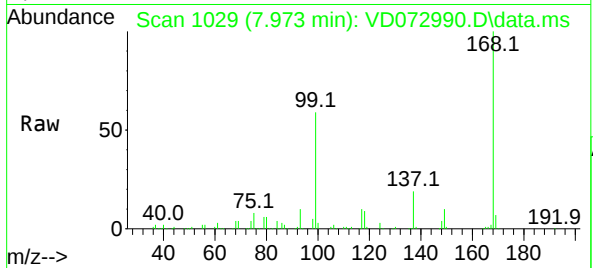




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

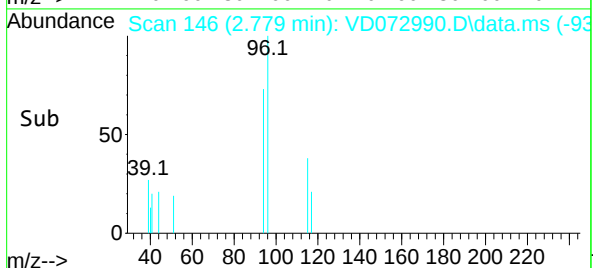
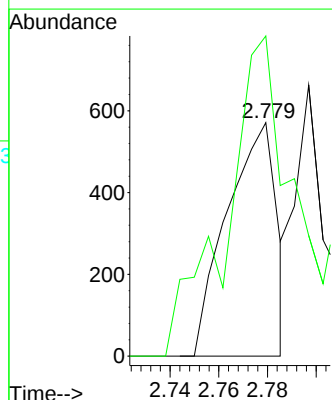
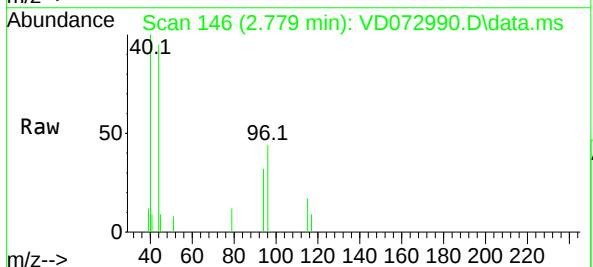
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

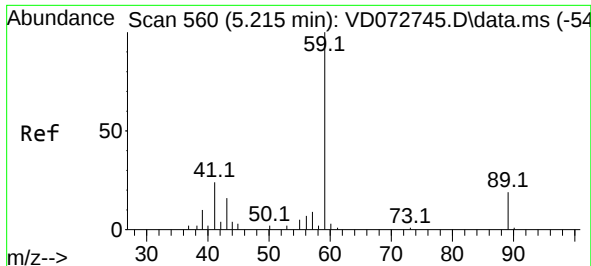
Tgt Ion:168 Resp: 339984
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion: 94 Resp: 812
Ion Ratio Lower Upper
94 100
96 104.2 77.6 116.4

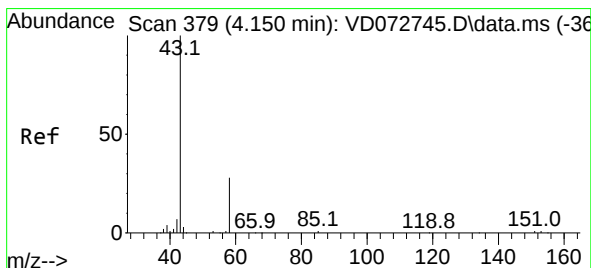
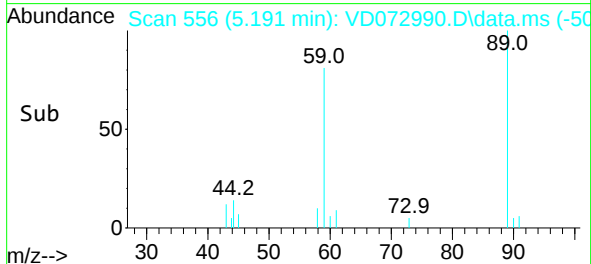
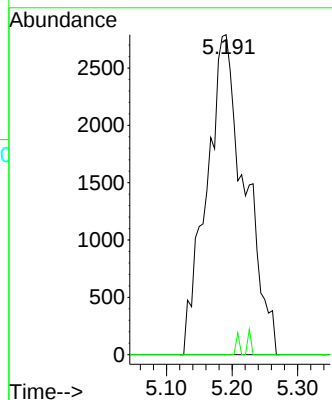
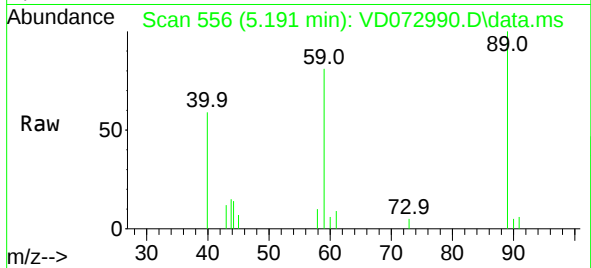




#11
Tert butyl alcohol
Concen: 29.641 ug/l
RT: 5.191 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

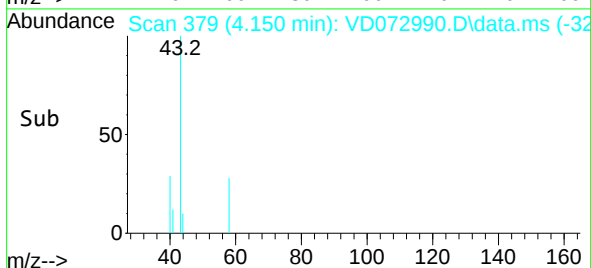
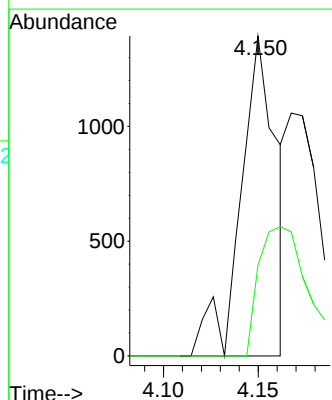
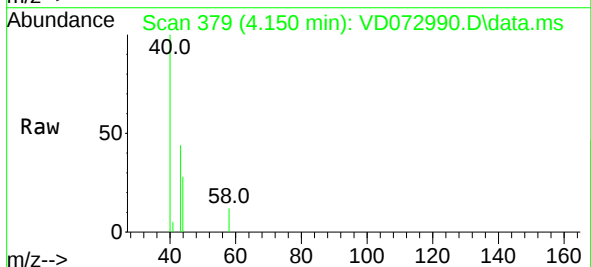
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

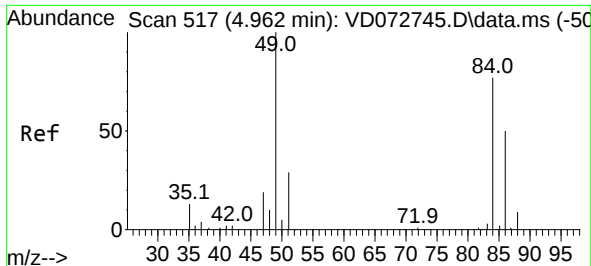
Tgt Ion: 59 Resp: 11318
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1

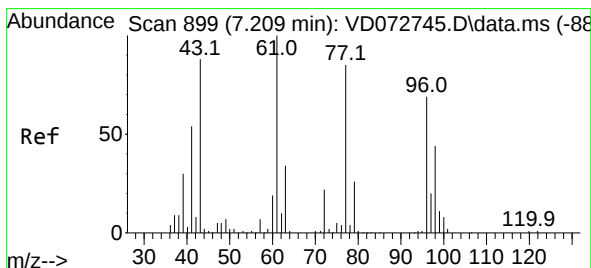
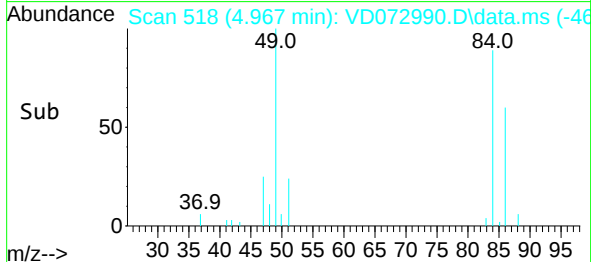
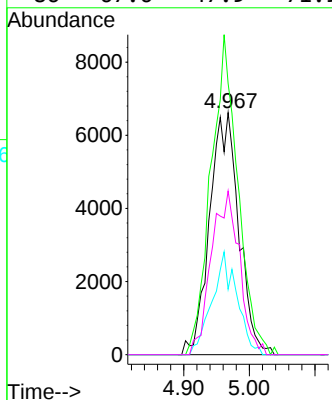
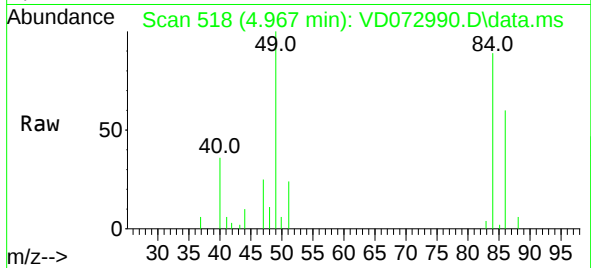




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

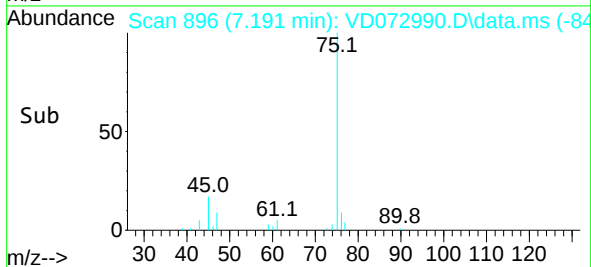
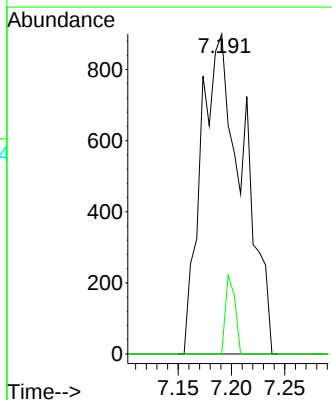
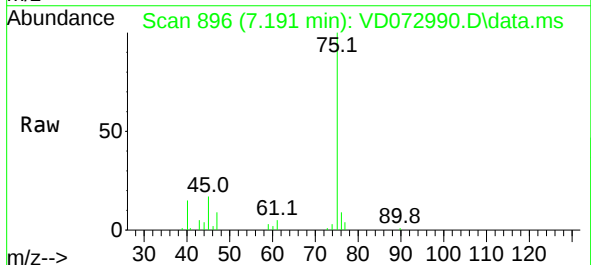
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

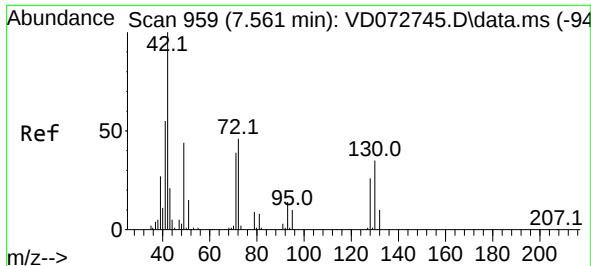
Tgt Ion:	84	Resp:	20488
Ion	Ratio	Lower	Upper
84	100		
49	112.0	112.8	169.2#
51	27.0	32.6	48.8#
86	67.6	47.9	71.9



#25
2-Butanone
Concen: 1.915 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion:	43	Resp:	2462
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.087 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.011 min

Lab File: VD072990.D

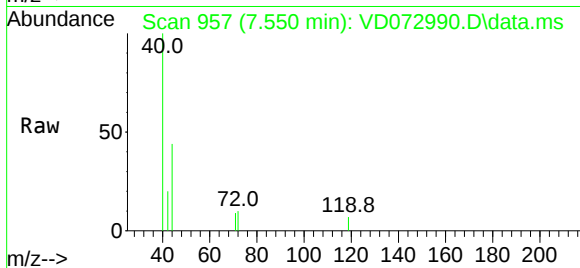
Acq: 13 May 2022 15:29

Instrument :

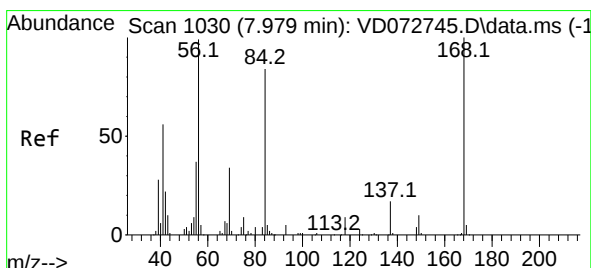
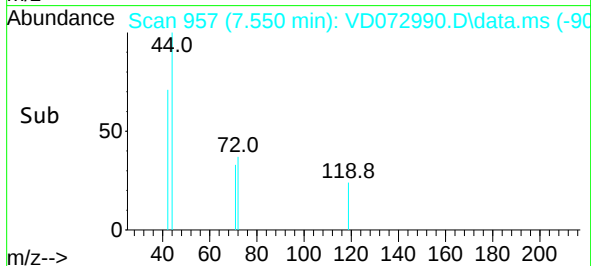
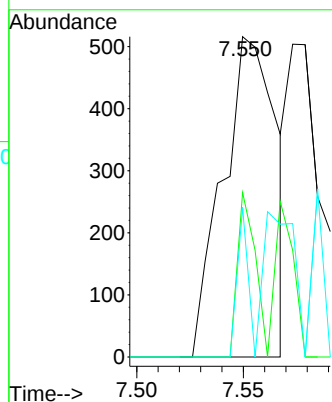
MSVOA_D

ClientSampleId :

P026-SS001-2430-01



Tgt Ion: 42	Resp: 891
Ion Ratio	Lower Upper
42	100
72	17.3 30.7 46.1#
71	35.8 28.6 43.0



#31

Cyclohexane

Concen: 1.169 ug/l

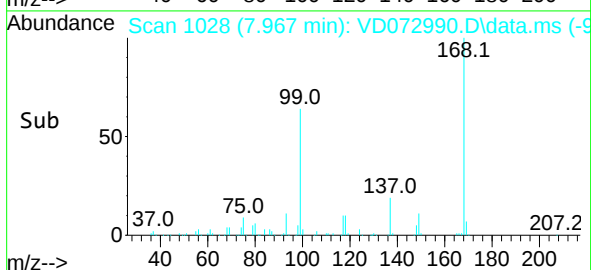
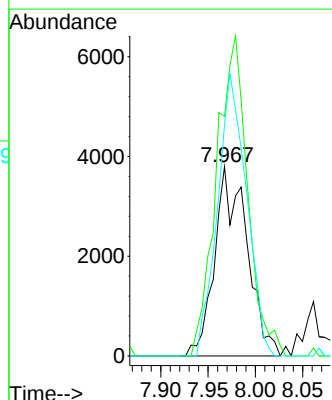
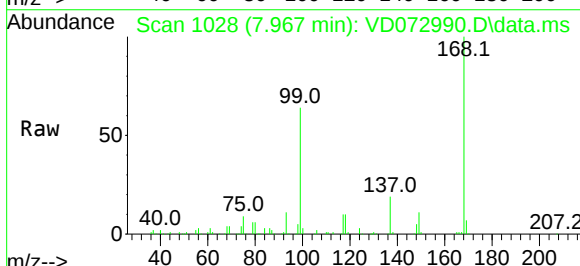
RT: 7.967 min Scan# 1028

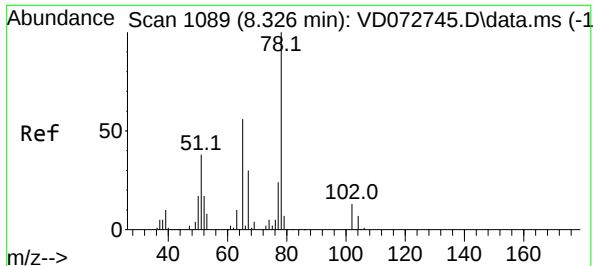
Delta R.T. -0.012 min

Lab File: VD072990.D

Acq: 13 May 2022 15:29

Tgt Ion: 56	Resp: 9022
Ion Ratio	Lower Upper
56	100
69	126.7 25.4 38.2#
84	122.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 41.044 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072990.D

Acq: 13 May 2022 15:29

Instrument :

MSVOA_D

ClientSampleId :

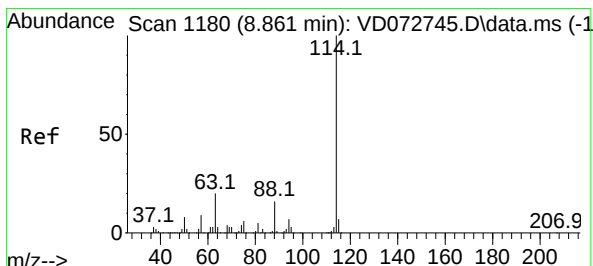
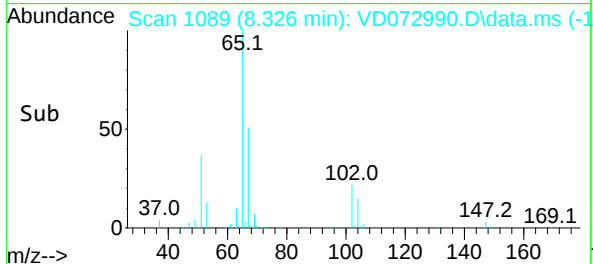
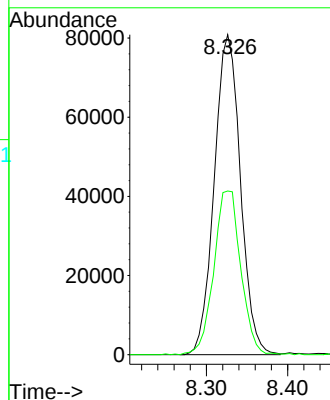
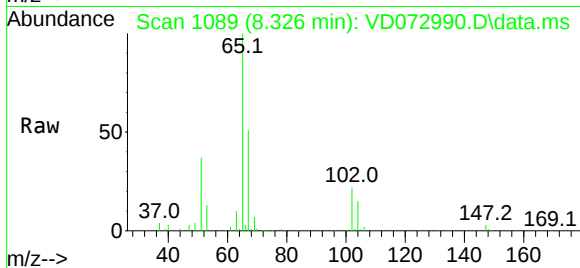
P026-SS001-2430-01

Tgt Ion: 65 Resp: 181137

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072990.D

Acq: 13 May 2022 15:29

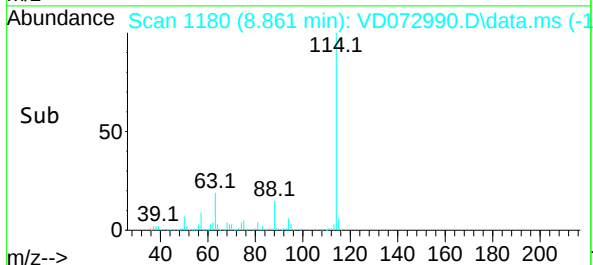
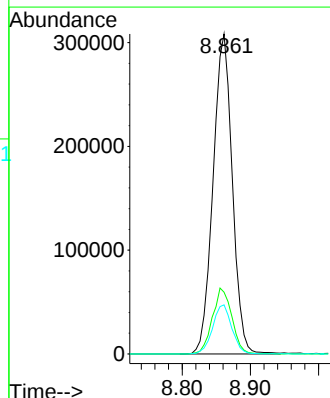
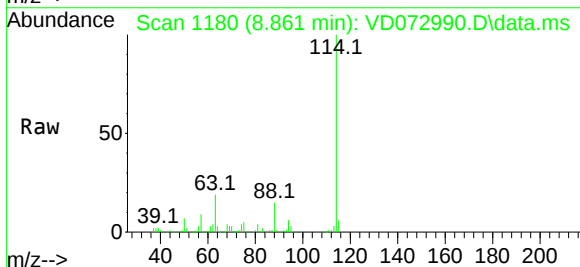
Tgt Ion: 114 Resp: 605710

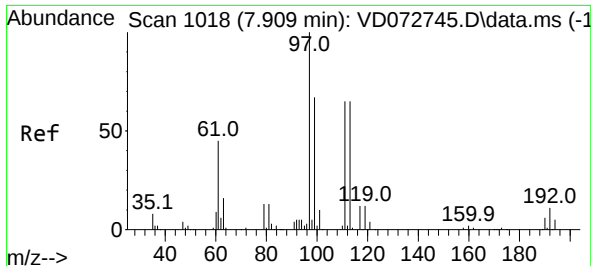
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

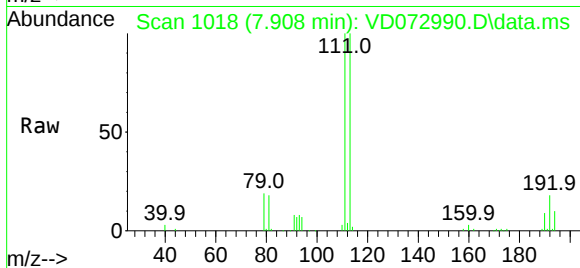
88 15.3 0.0 33.2



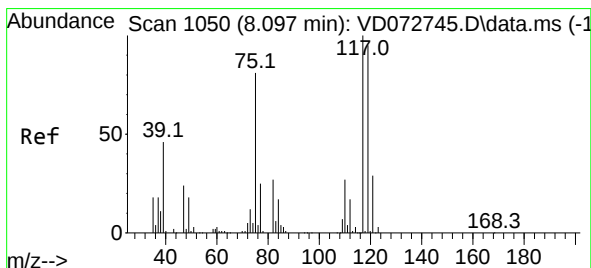
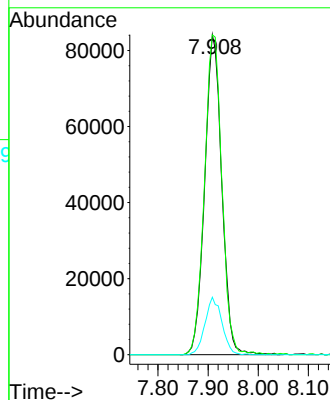
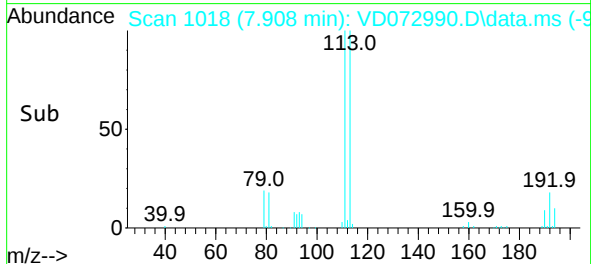


#35
Dibromofluoromethane
Concen: 46.762 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Instrument :
MSVOA_D
ClientSampleId :
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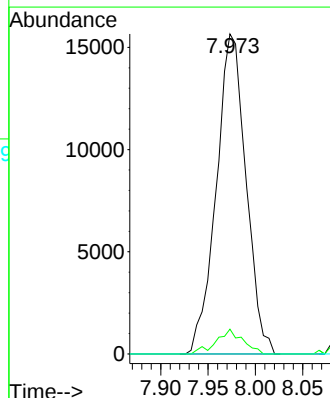
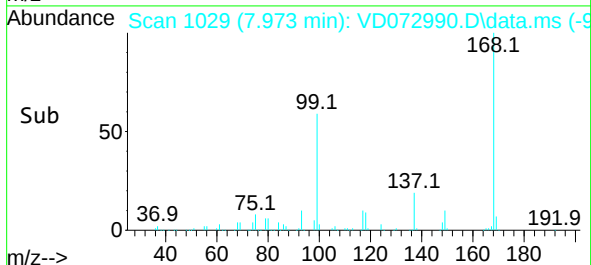
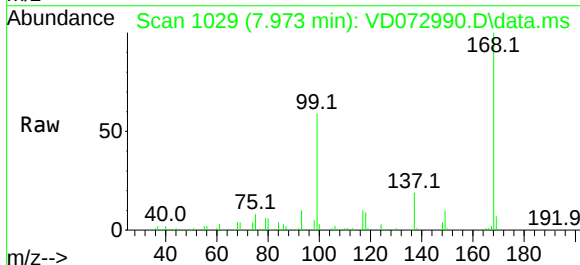


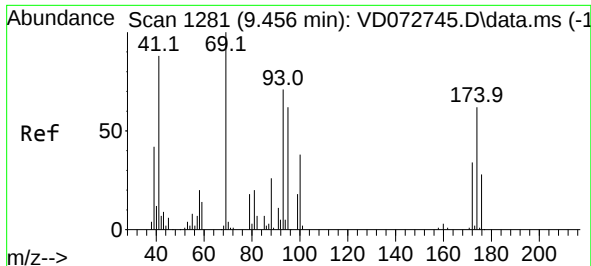
Tgt Ion:113 Resp: 198926
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.6
192 17.7 14.6 21.8



#38
Carbon Tetrachloride
Concen: 4.767 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion:117 Resp: 34228
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 2.915 ug/l

RT: 9.367 min Scan# 1266

Delta R.T. -0.089 min

Lab File: VD072990.D

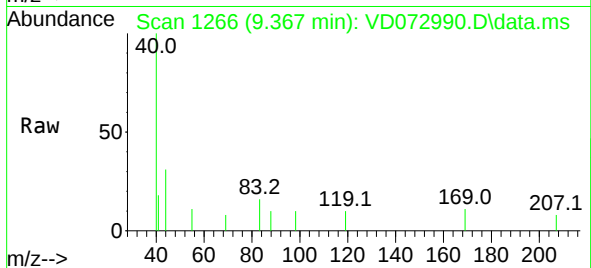
Acq: 13 May 2022 15:29

Instrument :

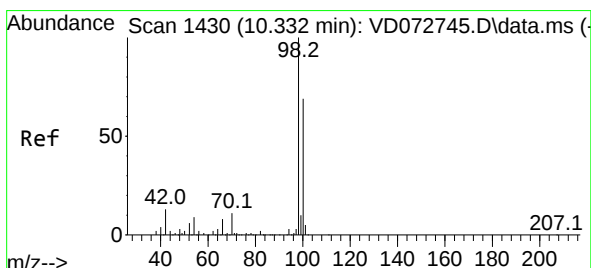
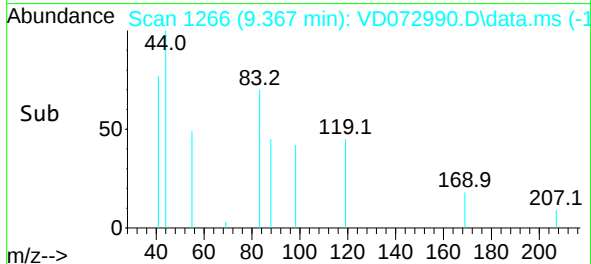
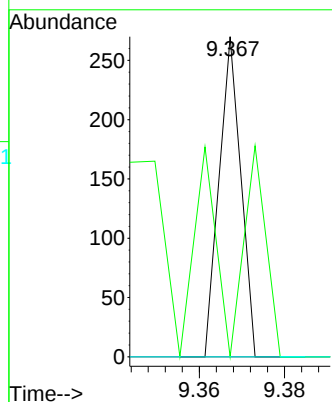
MSVOA_D

ClientSampleId :

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Tgt Ion:	88	Resp:	95
Ion	Ratio	Lower	Upper
88	100		
43	131.6	31.0	46.4#
58	0.0	58.1	87.1#



#50

Toluene-d8

Concen: 48.452 ug/l

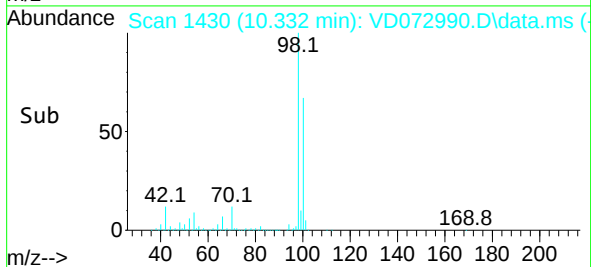
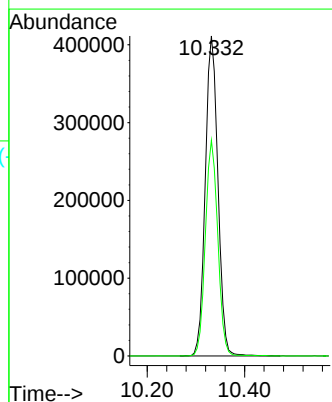
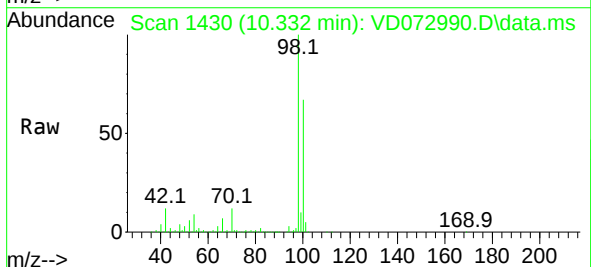
RT: 10.332 min Scan# 1430

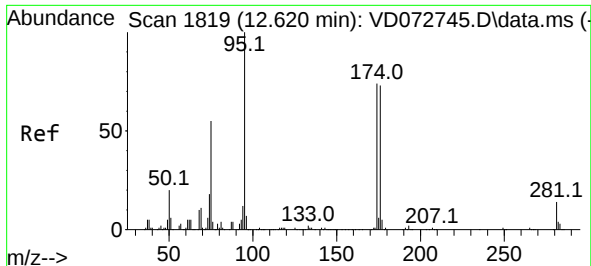
Delta R.T. -0.000 min

Lab File: VD072990.D

Acq: 13 May 2022 15:29

Tgt Ion:	98	Resp:	739348
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.4	78.6

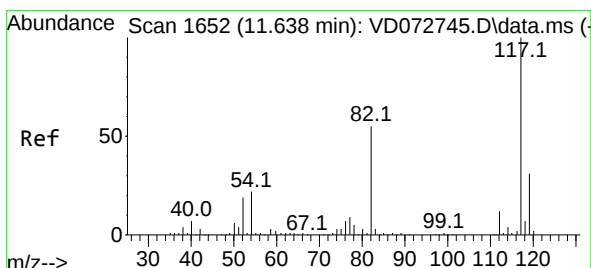
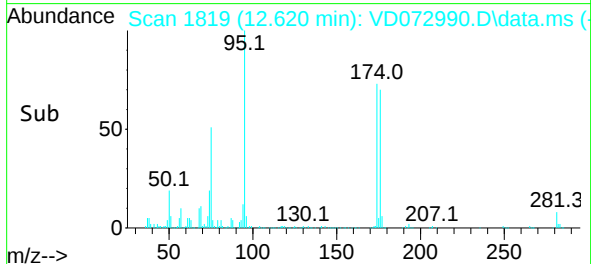
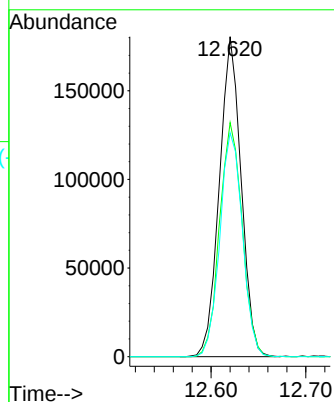
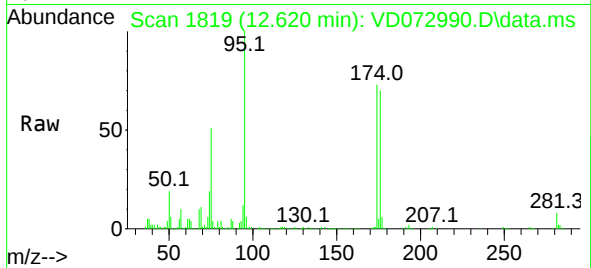




#62
4-Bromofluorobenzene
Concen: 50.757 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

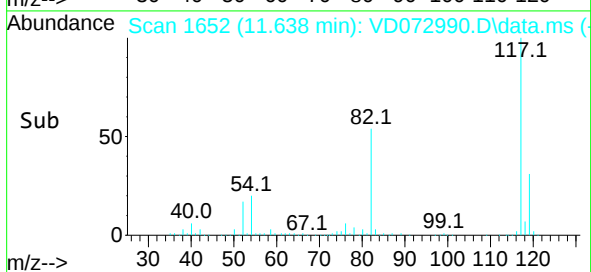
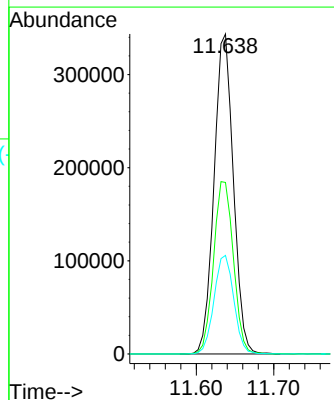
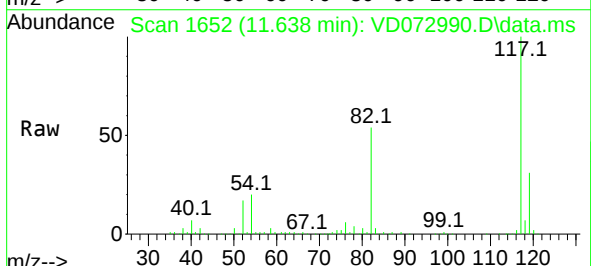
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

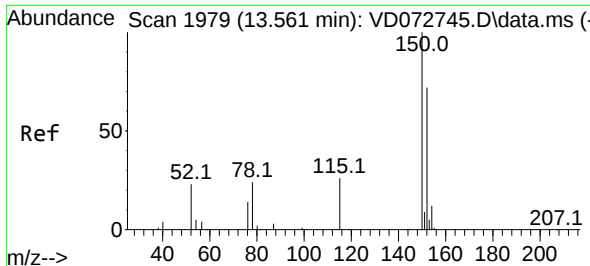
Tgt Ion: 95 Resp: 288798
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 72.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion: 117 Resp: 594821
Ion Ratio Lower Upper
117 100
82 53.6 45.3 67.9
119 30.8 26.6 40.0

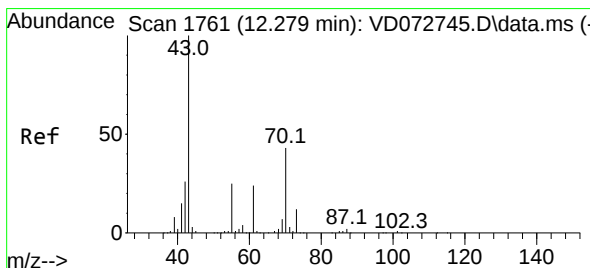
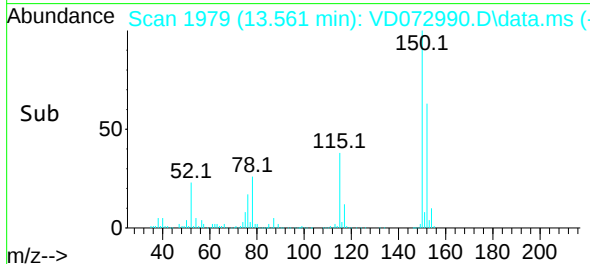
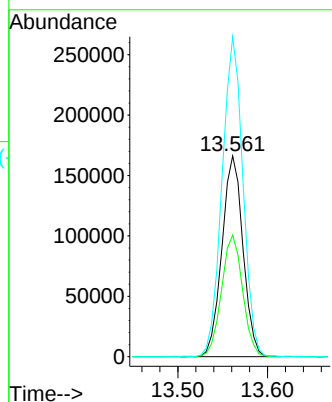
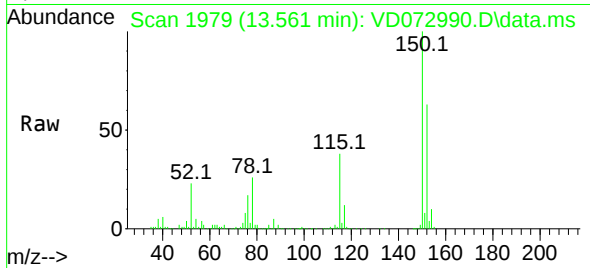




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

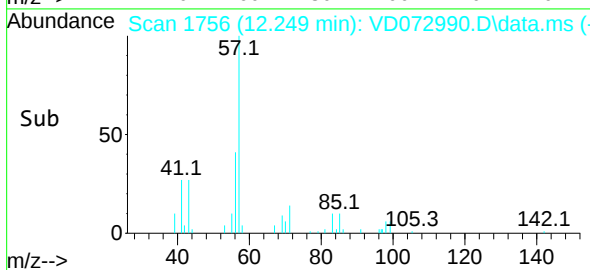
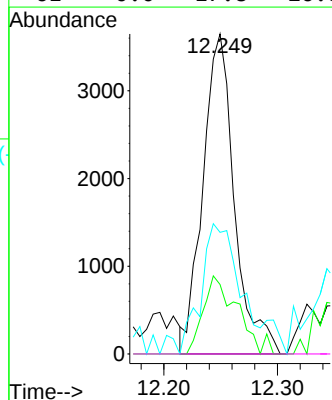
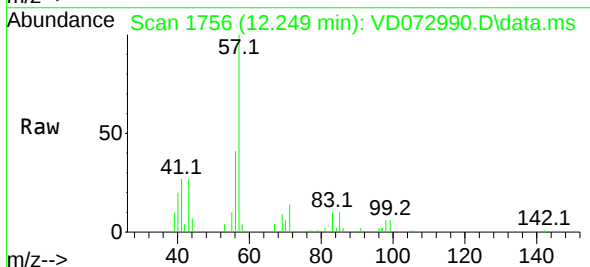
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

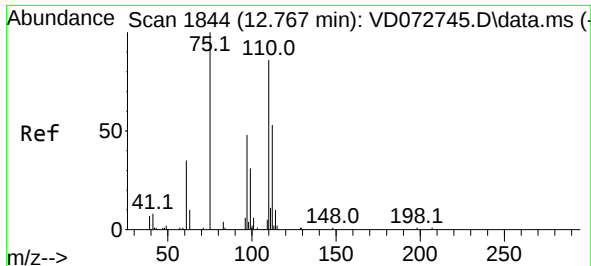
Tgt Ion:152 Resp: 270501
Ion Ratio Lower Upper
152 100
115 60.7 31.3 93.8
150 157.9 0.0 348.6



#74
N-ethyl acetate
Concen: 1.337 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.030 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion: 43 Resp: 7009
Ion Ratio Lower Upper
43 100
70 26.6 31.3 46.9#
55 51.3 20.0 30.0#
61 0.0 17.8 26.8#

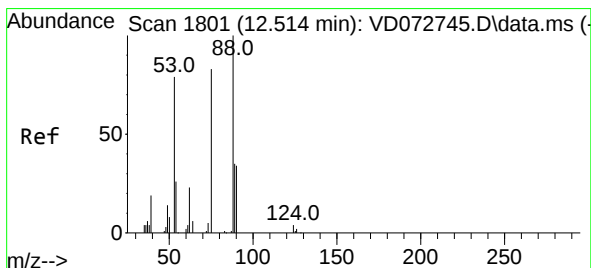
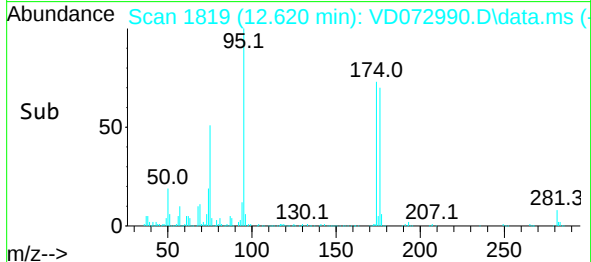
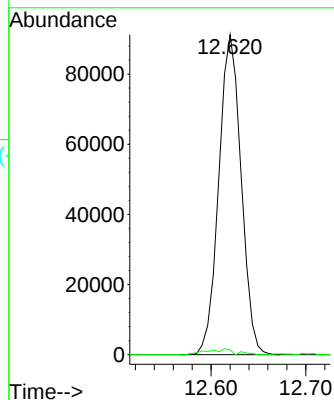
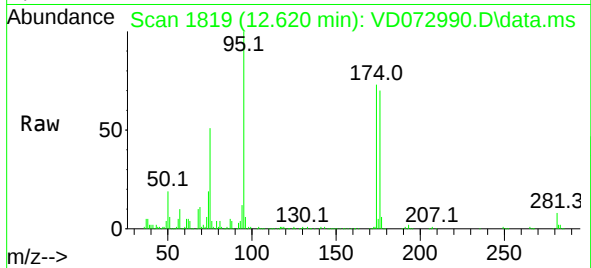




#76
1,2,3-Trichloropropane
Concen: 49.627 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-2430-01

Tgt Ion: 75 Resp: 149688
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.122 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072990.D
Acq: 13 May 2022 15:29

Tgt Ion: 75 Resp: 149688
Ion Ratio Lower Upper
75 100
53 4.6 86.5 129.7#
89 0.2 33.9 50.9#

