

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072994.D
 Acq On : 13 May 2022 17:24
 Operator : VA/SY
 Sample : N2817-21
 Misc : 5.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0006-01

Quant Time: May 16 05:15:25 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)

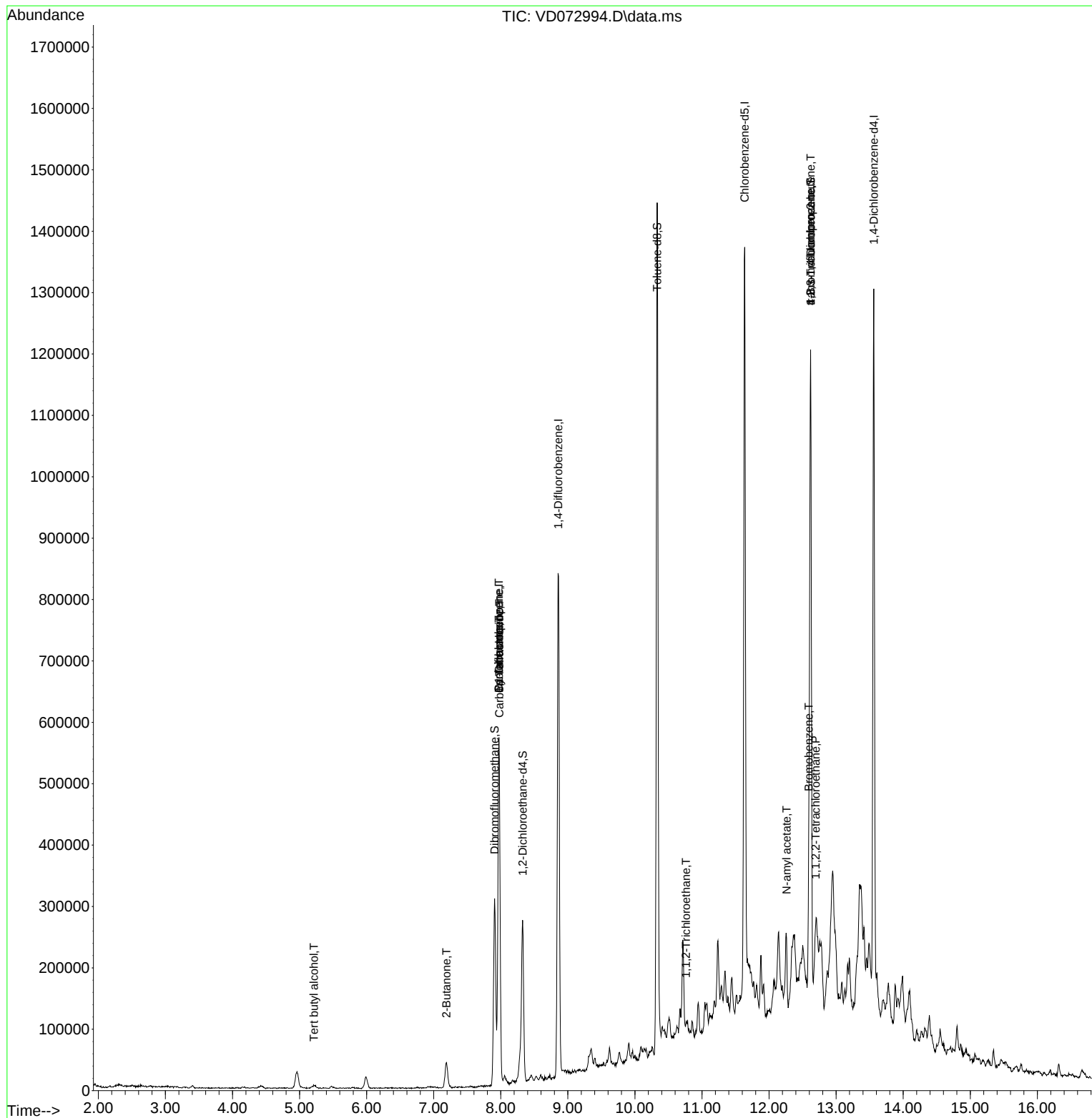
Internal Standards						
1) Pentafluorobenzene	7.973	168	406708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	726772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	689790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198605	37.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.240%		
35) Dibromofluoromethane	7.908	113	221226	43.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.680%		
50) Toluene-d8	10.332	98	898203	49.057	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.120%		
62) 4-Bromofluorobenzene	12.620	95	325207	47.635	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.280%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	982	Below Cal	#	34
11) Tert butyl alcohol	5.214	59	8006	17.527	ug/l #	74
16) Acetone	4.150	43	1362	Below Cal	#	89
18) Methyl Acetate	4.909	43	258	Below Cal	#	55
20) Methylene Chloride	4.962	84	20159	Below Cal	#	81
25) 2-Butanone	7.191	43	2513	1.634	ug/l #	52
31) Cyclohexane	7.973	56	11161	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	33910	4.086	ug/l #	54
38) Carbon Tetrachloride	7.979	117	43336	5.030	ug/l #	17
55) 1,1,2-Trichloroethane	10.761	97	10326	2.200	ug/l #	17
74) N-amyl acetate	12.261	43	33069	5.623	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.696	83	25353	5.319	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	171764	50.753	ug/l #	100
77) Bromobenzene	12.591	156	6247	1.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	171764	116.711	ug/l #	7

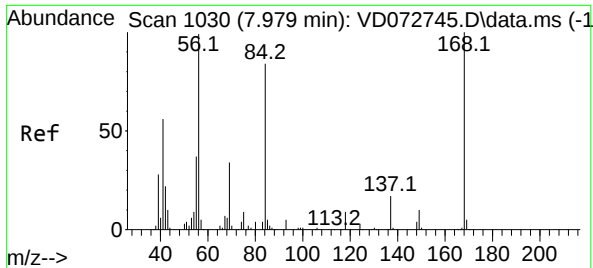
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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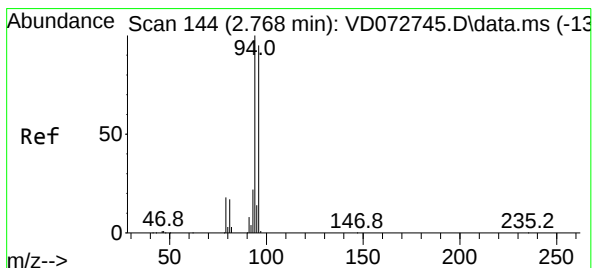
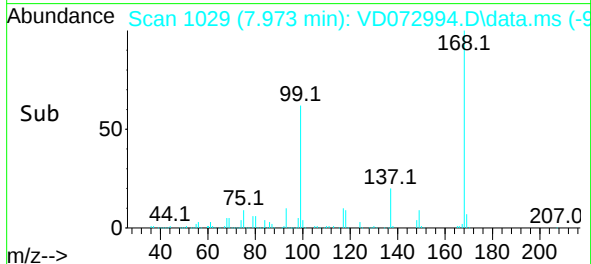
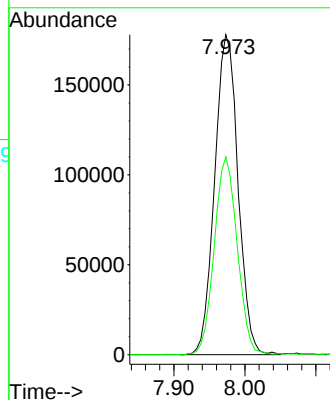
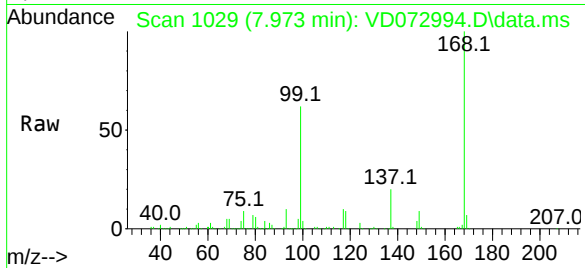




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

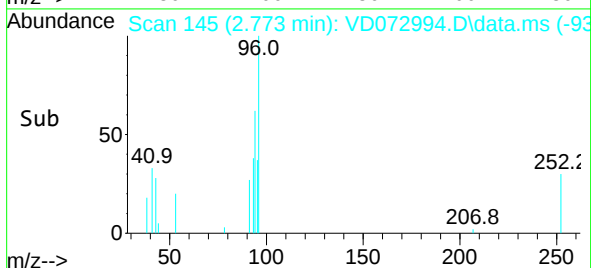
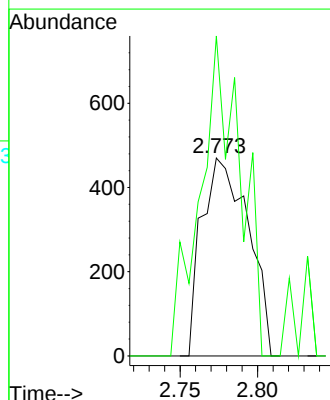
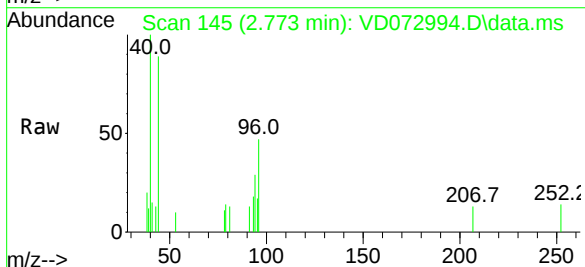
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

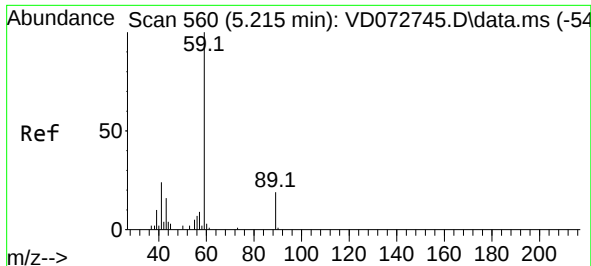
Tgt Ion:168 Resp: 406708
Ion Ratio Lower Upper
168 100
99 61.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 94 Resp: 982
Ion Ratio Lower Upper
94 100
96 161.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 17.527 ug/l

RT: 5.214 min Scan# 5

Delta R.T. -0.001 min

Lab File: VD072994.D

Acq: 13 May 2022 17:24

Instrument :

MSVOA_D

ClientSampleId :

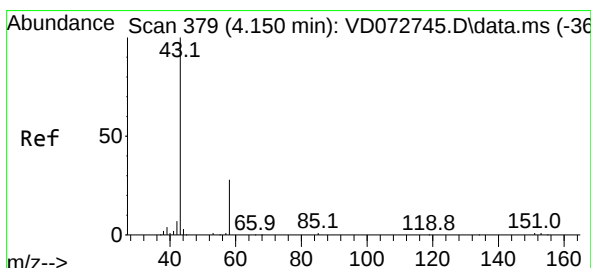
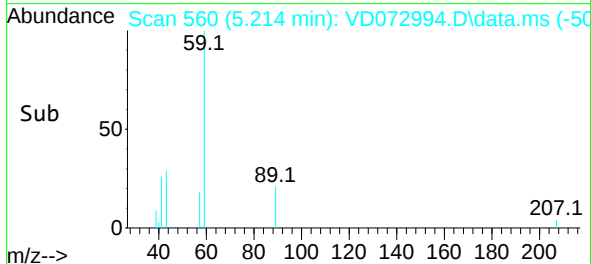
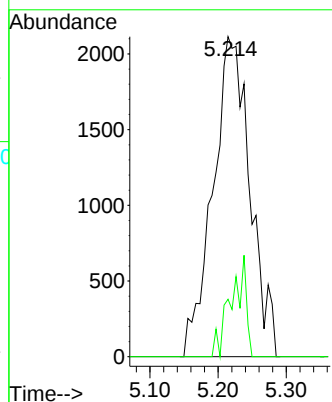
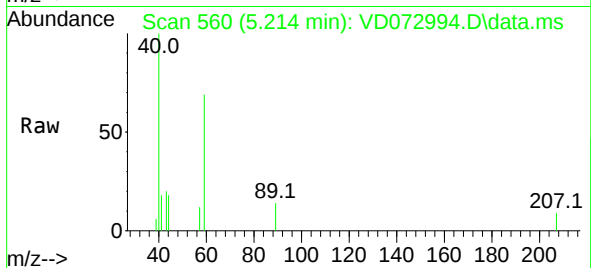
P026-SS002-0006-01

Tgt Ion: 59 Resp: 8006

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD072994.D

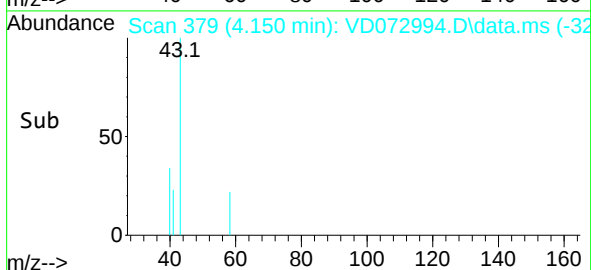
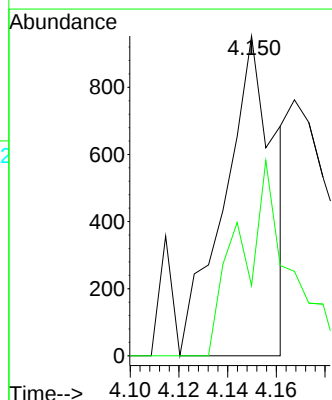
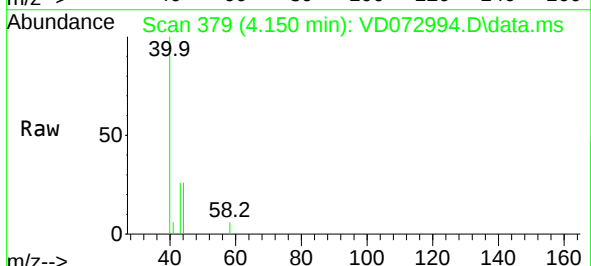
Acq: 13 May 2022 17:24

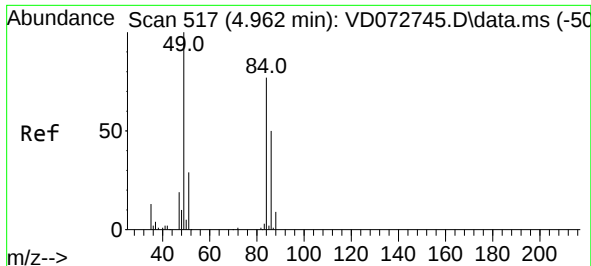
Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

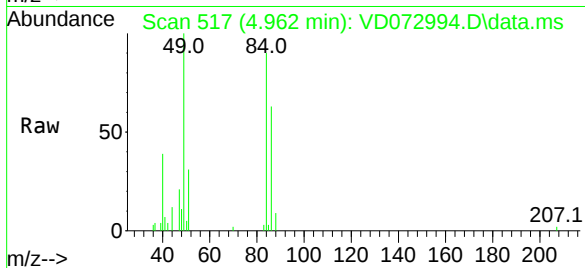
58 21.9 22.1 33.1#



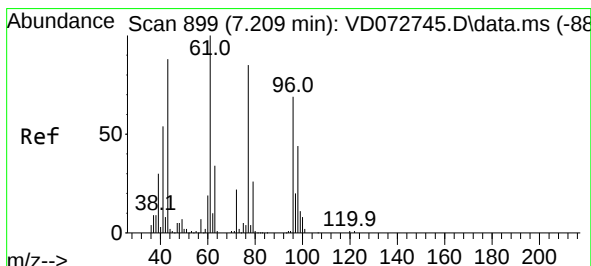
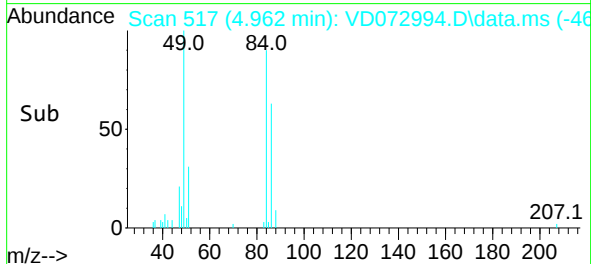
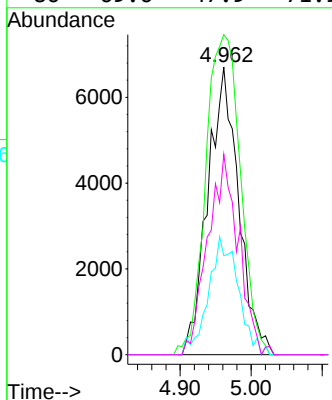


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

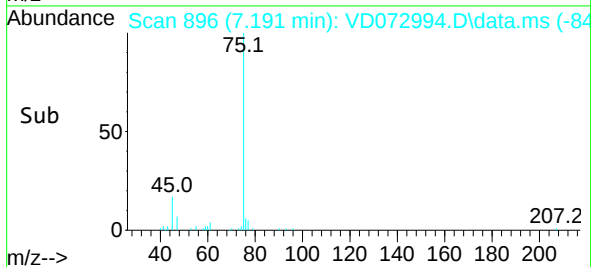
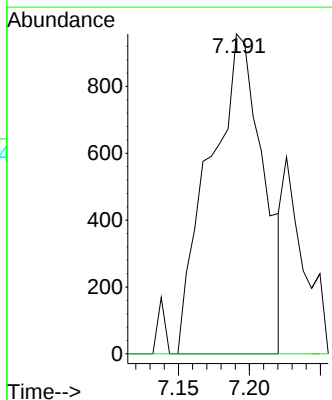
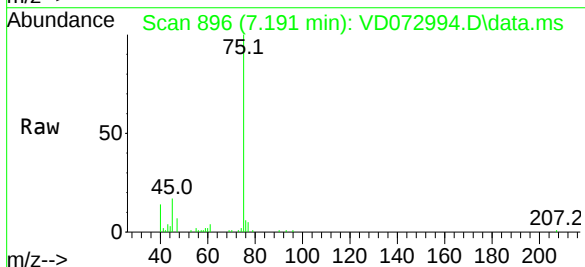


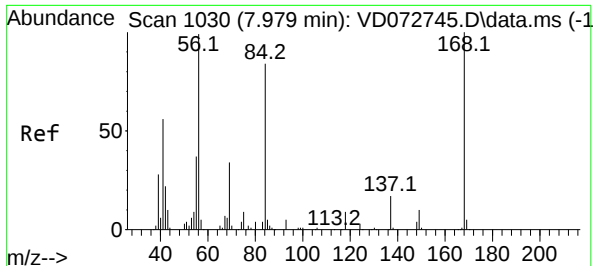
Tgt Ion:	84	Resp:	20159
Ion	Ratio	Lower	Upper
84	100		
49	111.2	112.8	169.2#
51	34.4	32.6	48.8
86	69.6	47.9	71.9



#25
2-Butanone
Concen: 1.634 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion:	43	Resp:	2513
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072994.D

Acq: 13 May 2022 17:24

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0006-01

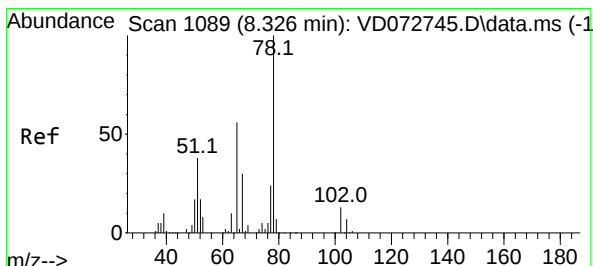
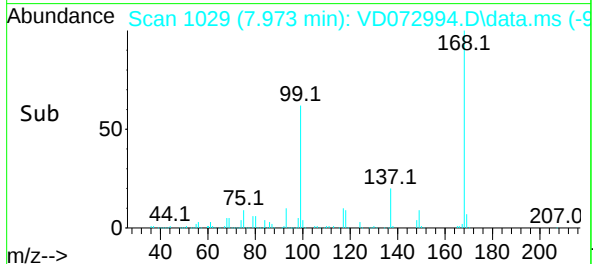
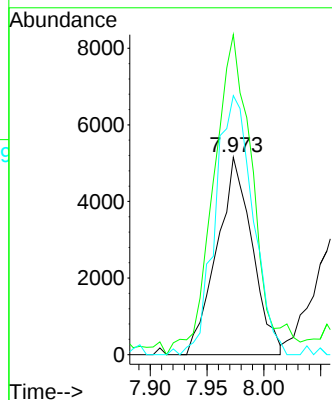
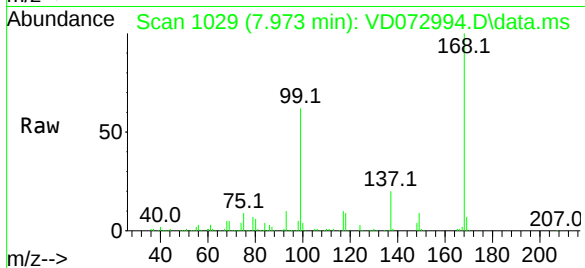
Tgt Ion: 56 Resp: 11161

Ion Ratio Lower Upper

56 100

69 154.3 25.4 38.2#

84 131.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 37.619 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072994.D

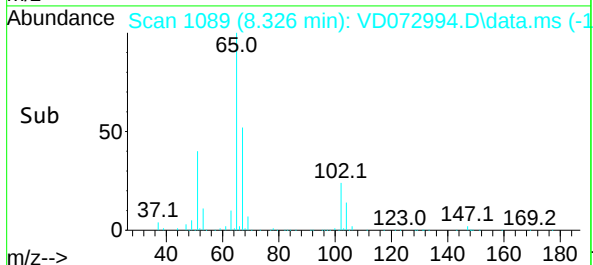
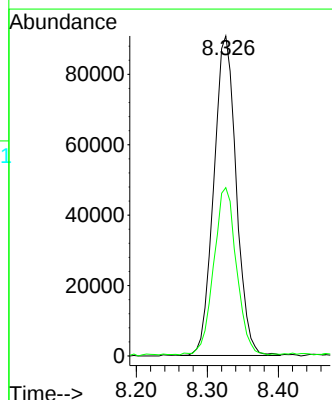
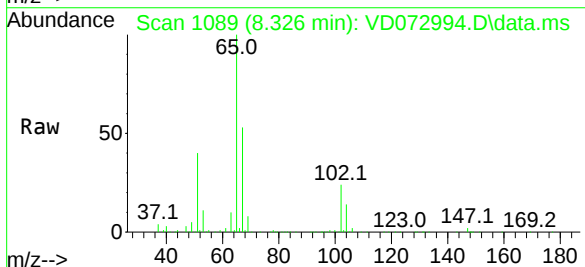
Acq: 13 May 2022 17:24

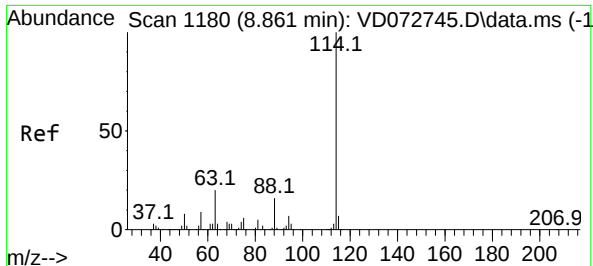
Tgt Ion: 65 Resp: 198605

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072994.D

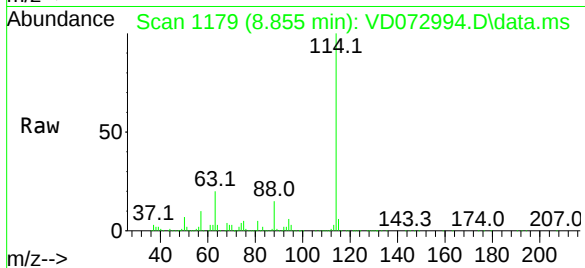
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Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0006-01



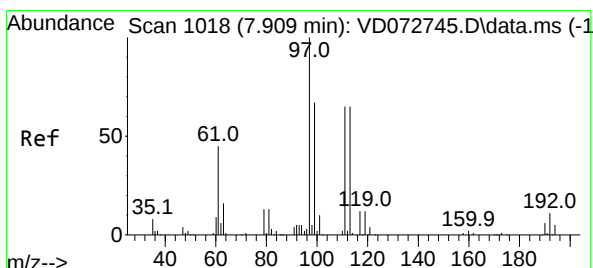
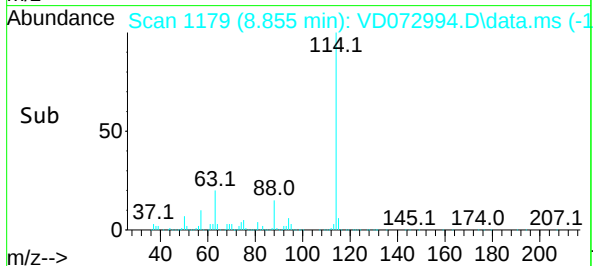
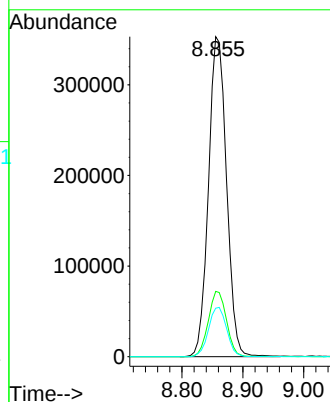
Tgt Ion:114 Resp: 726772

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.342 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072994.D

Acq: 13 May 2022 17:24

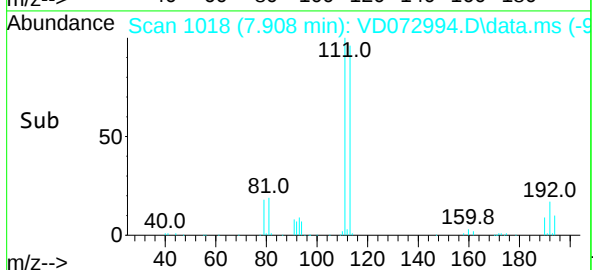
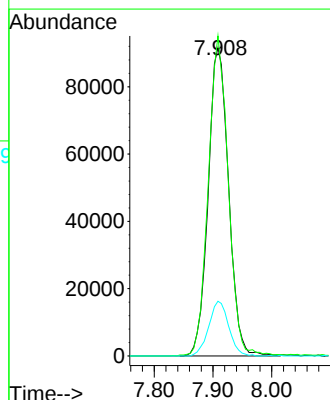
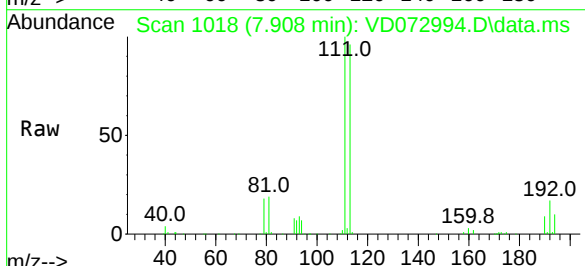
Tgt Ion:113 Resp: 221226

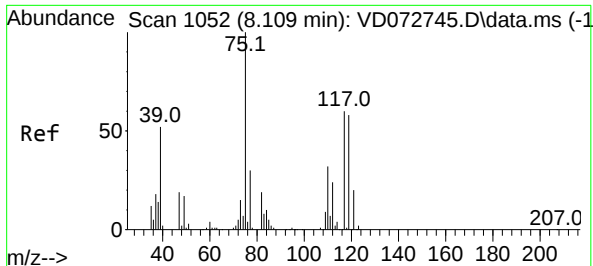
Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 17.4 14.6 21.8

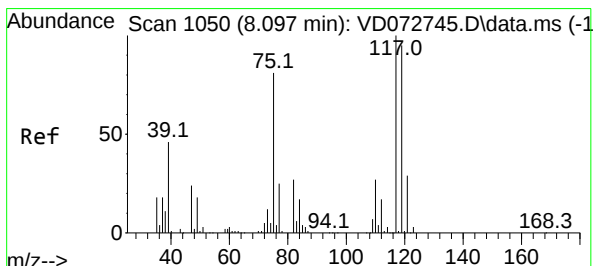
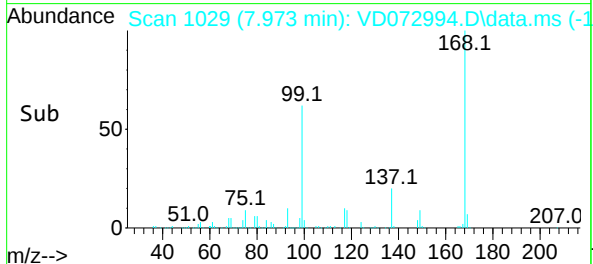
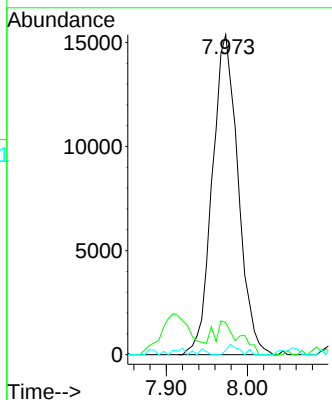
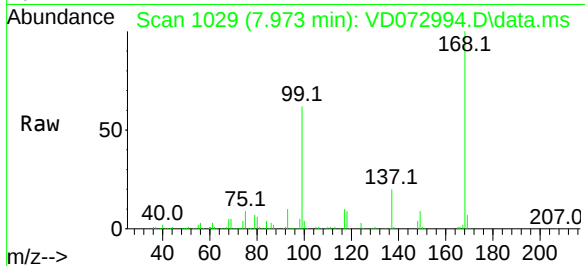




#36
1,1-Dichloropropene
Concen: 4.086 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.136 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

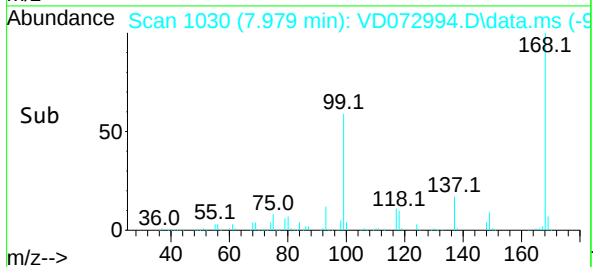
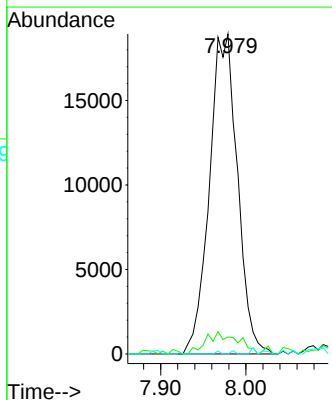
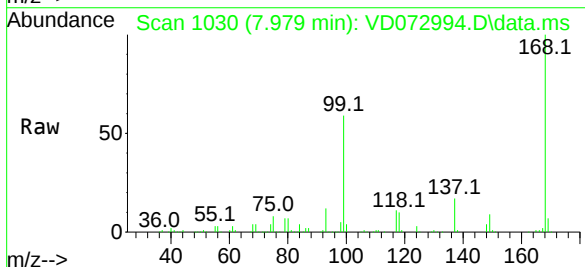
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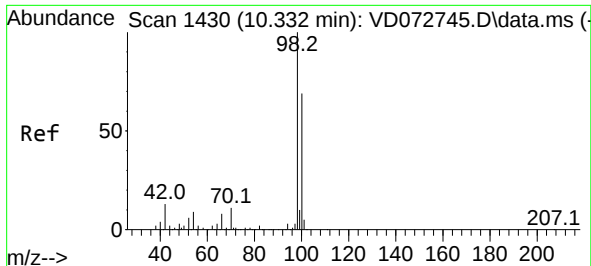
Tgt Ion: 75 Resp: 33910
Ion Ratio Lower Upper
75 100
110 10.1 16.4 49.1#
77 1.6 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 117 Resp: 43336
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#

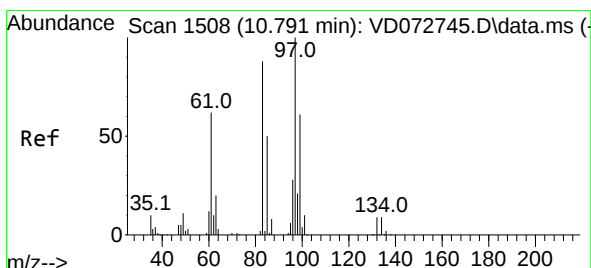
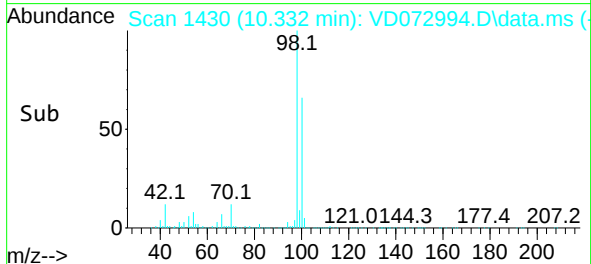
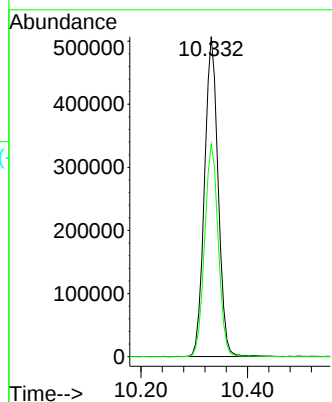
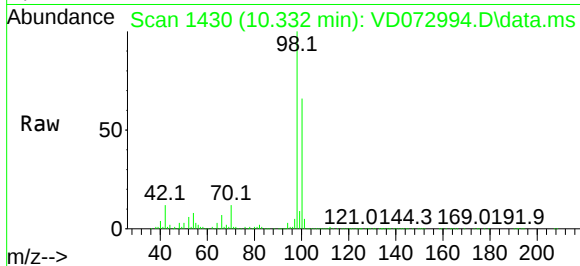




#50
Toluene-d8
Concen: 49.057 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

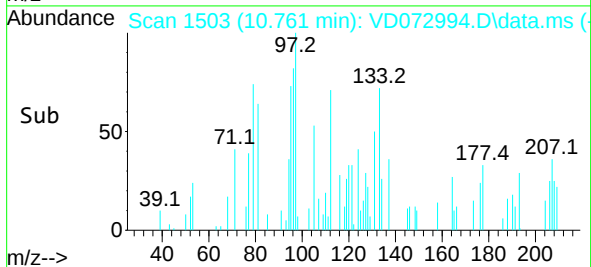
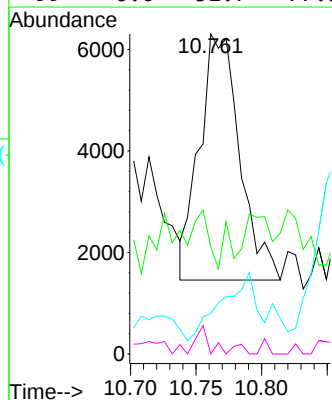
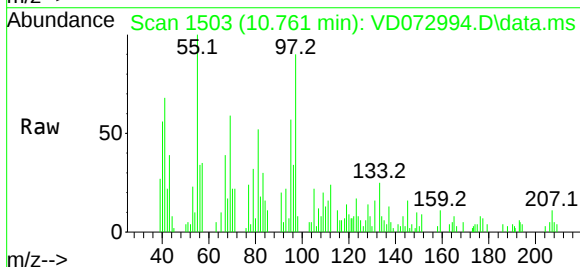
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

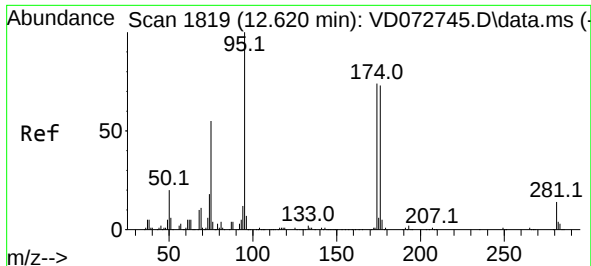
Tgt Ion: 98 Resp: 898203
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 2.200 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 97 Resp: 10326
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 6.4 42.6 63.8#
99 0.0 51.7 77.5#

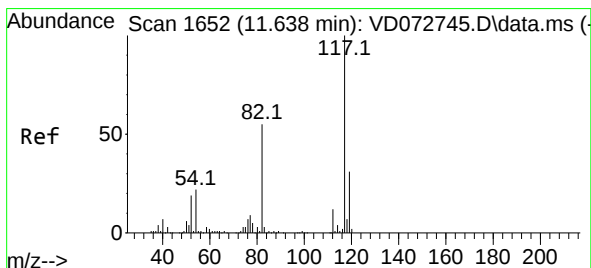
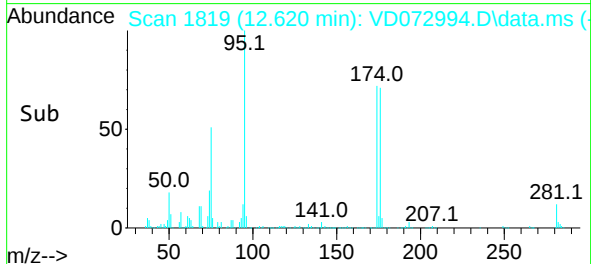
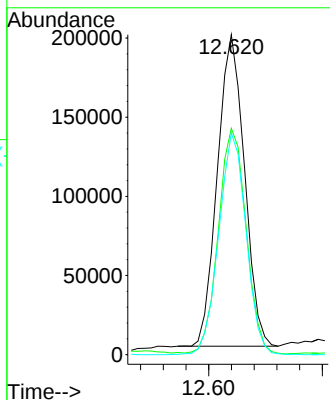
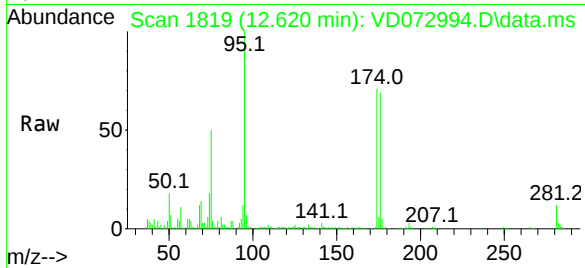




#62
4-Bromofluorobenzene
Concen: 47.635 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

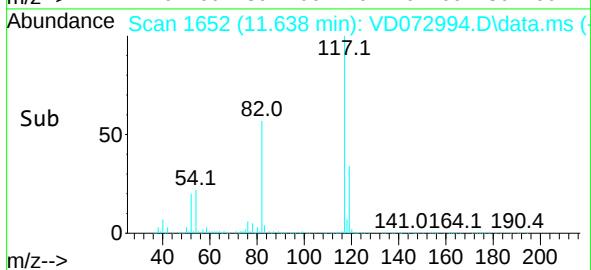
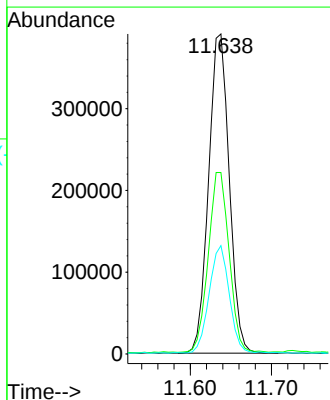
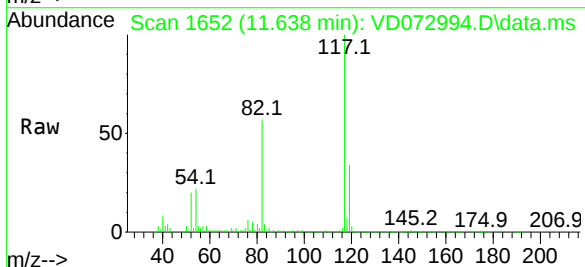
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

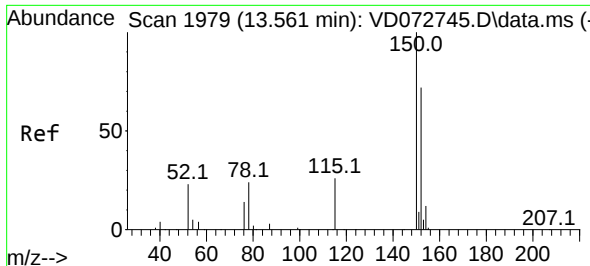
Tgt Ion: 95 Resp: 325207
Ion Ratio Lower Upper
95 100
174 74.2 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 117 Resp: 689790
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 33.5 26.6 40.0

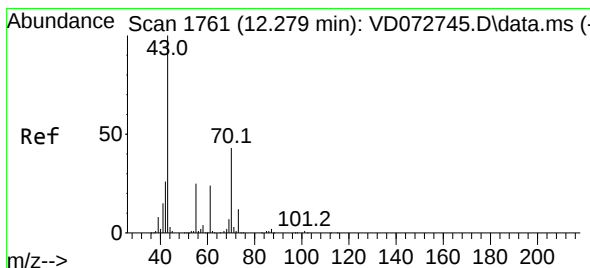
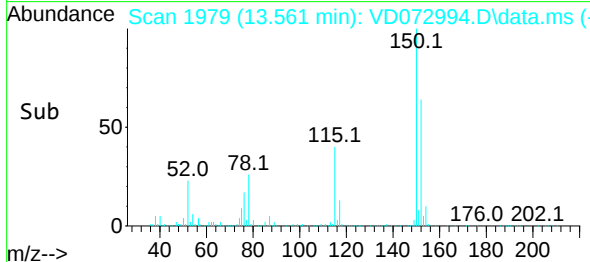
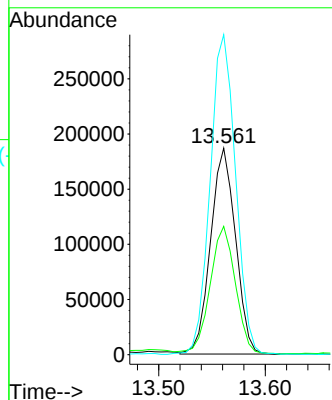
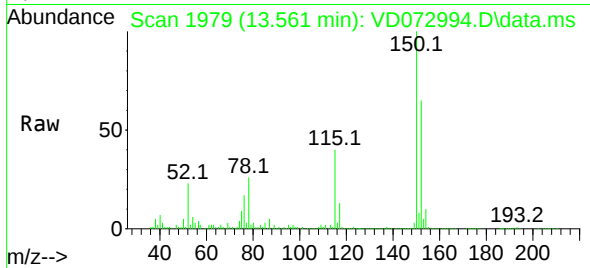




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

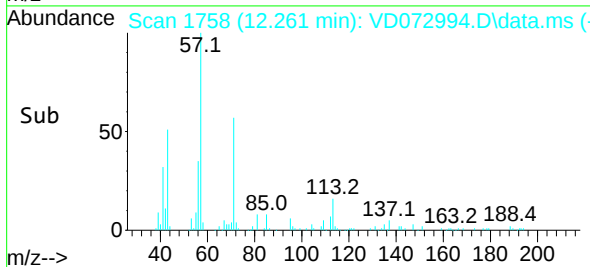
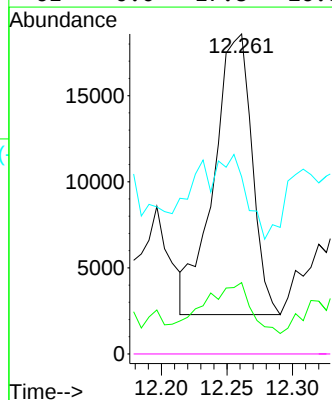
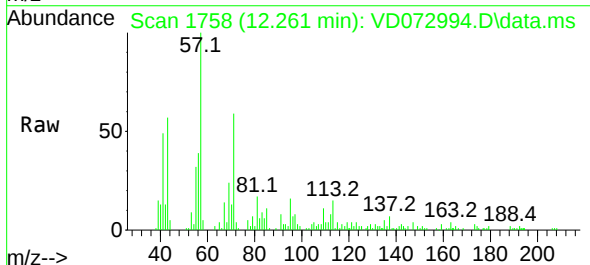
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

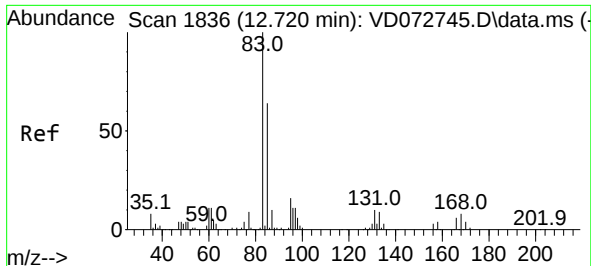
Tgt Ion:152 Resp: 303508
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.8
150 158.6 0.0 348.6



#74
N-ethyl acetate
Concen: 5.623 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 43 Resp: 33069
Ion Ratio Lower Upper
43 100
70 21.8 31.3 46.9#
55 22.0 20.0 30.0
61 0.0 17.8 26.8#

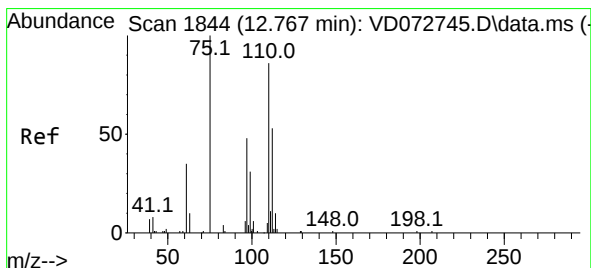
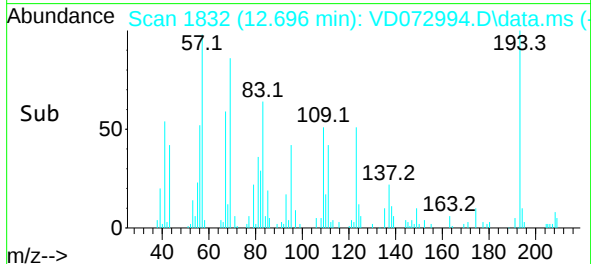
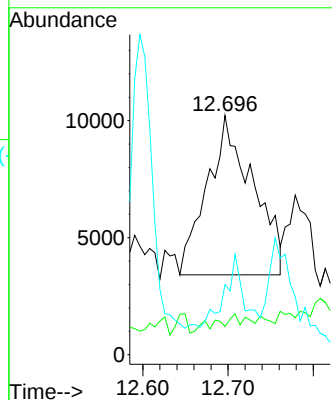
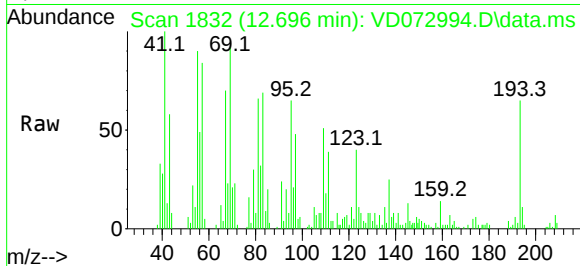




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.319 ug/l
 RT: 12.696 min Scan# 1819
 Delta R.T. -0.024 min
 Lab File: VD072994.D
 Acq: 13 May 2022 17:24

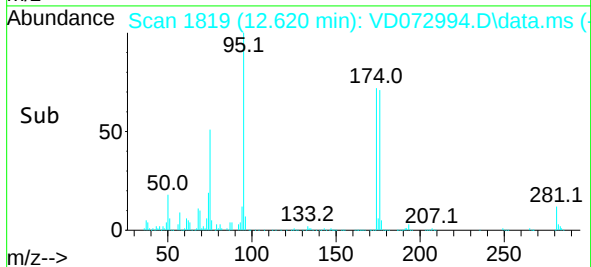
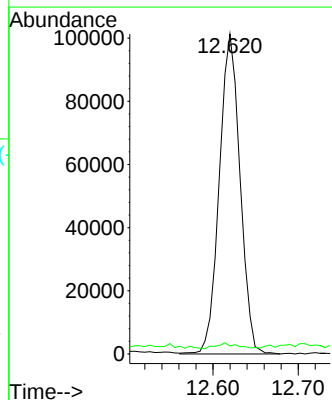
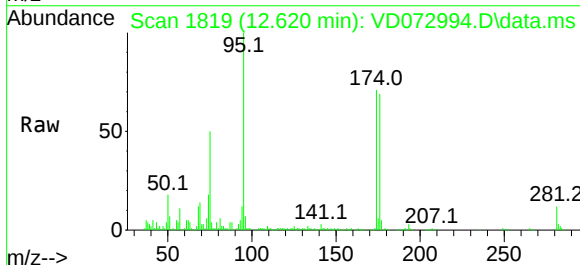
Instrument : MSVOA_D
 ClientSampleId : P026-SS002-0006-01

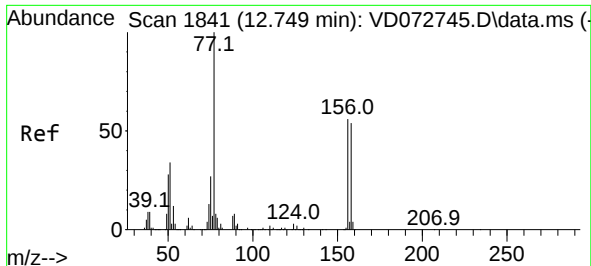
Tgt Ion: 83 Resp: 25353
 Ion Ratio Lower Upper
 83 100
 131 2.9 5.0 14.9#
 85 18.5 32.6 98.0#



#76
 1,2,3-Trichloropropane
 Concen: 50.753 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072994.D
 Acq: 13 May 2022 17:24

Tgt Ion: 75 Resp: 171764
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

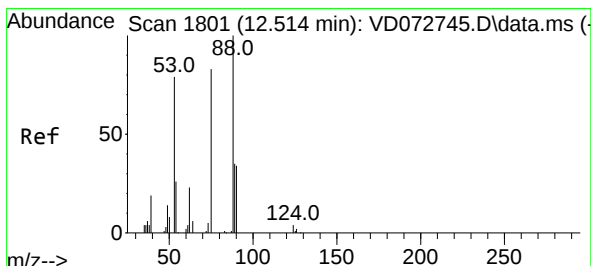
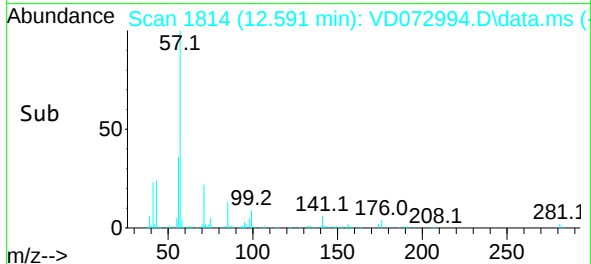
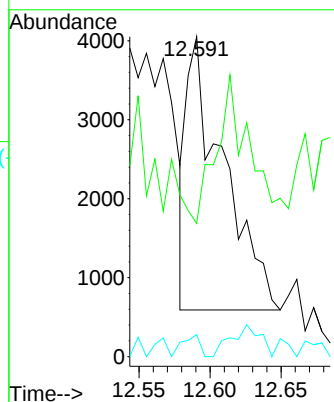
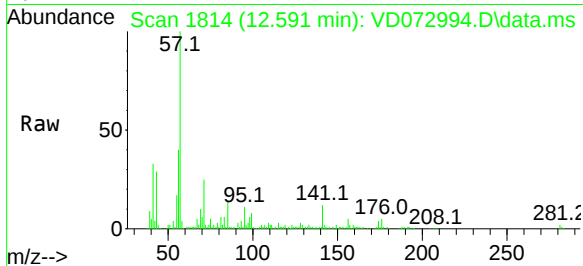




#77
Bromobenzene
Concen: 1.114 ug/l
RT: 12.591 min Scan# 1814
Delta R.T. -0.158 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0006-01

Tgt Ion:156 Resp: 6247
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 3.8 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.711 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072994.D
Acq: 13 May 2022 17:24

Tgt Ion: 75 Resp: 171764
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#

