

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072633.D
 Acq On : 19 Apr 2022 19:09
 Operator : VA/SY
 Sample : N2434-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RECOVERED-CRUSHED-AGG

Quant Time: Apr 20 05:05:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

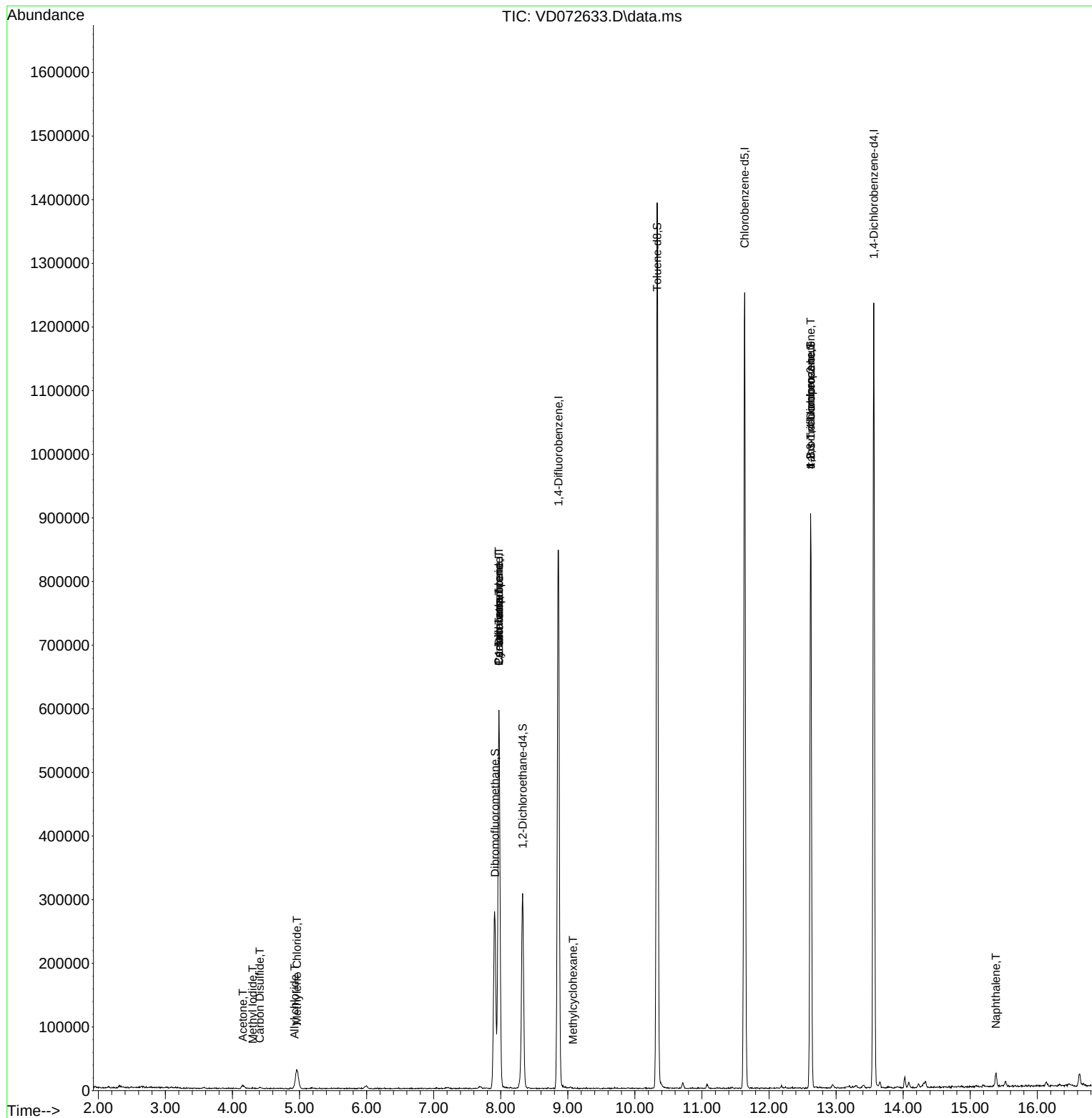
Internal Standards						
1) Pentafluorobenzene	7.973	168	424861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	773258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	733467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	321924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	241884	47.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.120%		
35) Dibromofluoromethane	7.914	113	204166	33.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	67.940%		
50) Toluene-d8	10.332	98	922774	44.176	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.360%		
62) 4-Bromofluorobenzene	12.620	95	310838	38.102	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.200%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	444	3.821	ug/l #	38
14) Allyl chloride	4.926	41	354	1.178	ug/l #	22
16) Acetone	4.156	43	8872	9.258	ug/l	96
17) Carbon Disulfide	4.409	76	2801	3.940	ug/l #	74
20) Methylene Chloride	4.962	84	24727	4.334	ug/l #	76
31) Cyclohexane	7.973	56	9054	1.347	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	34020	5.454	ug/l #	52
38) Carbon Tetrachloride	7.973	117	44324	5.354	ug/l #	16
39) Methylcyclohexane	9.079	83	133	2.891	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	155810	44.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	155810	108.891	ug/l #	7
95) Naphthalene	15.385	128	17471	1.362	ug/l	99

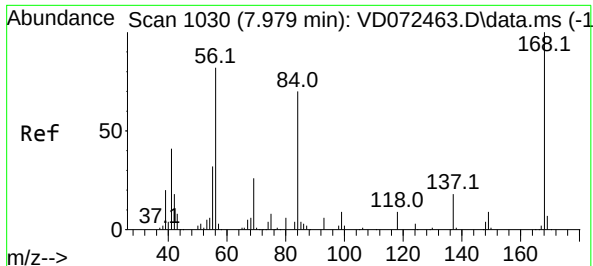
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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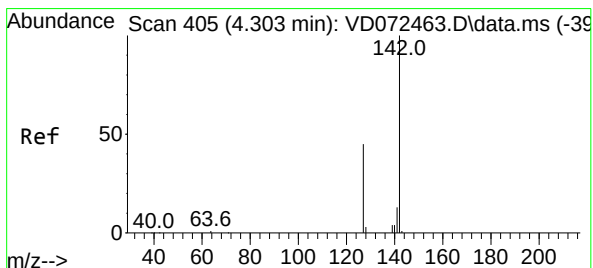
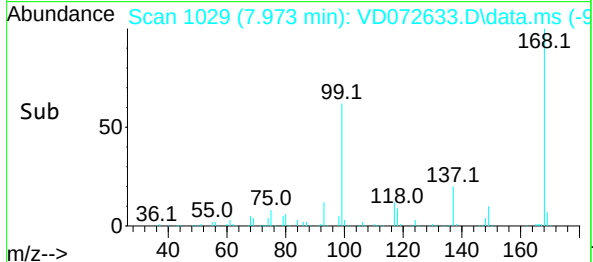
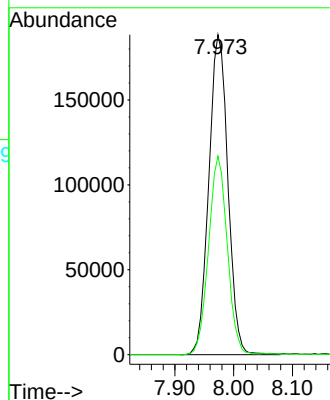
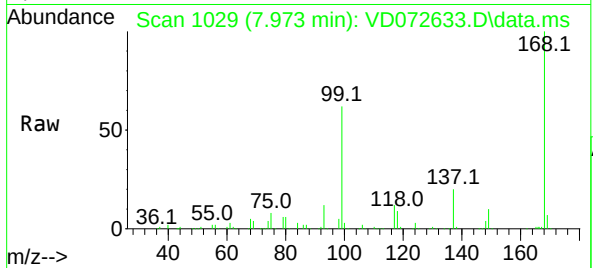




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

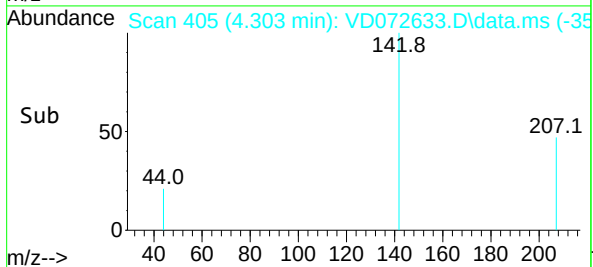
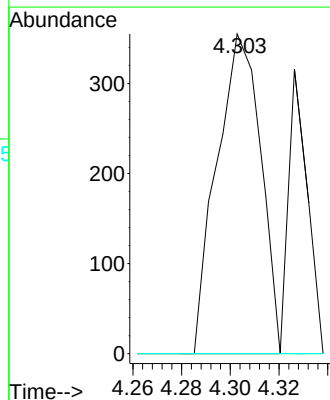
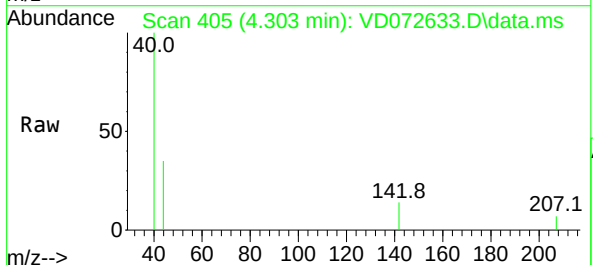
Instrument :
MSVOA_D
ClientSampleId :
RECOVERED-CRUSHED-AGG

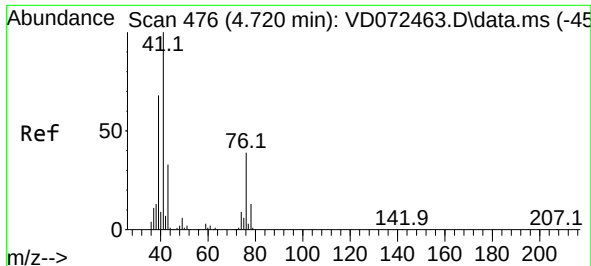
Tgt Ion:168 Resp: 424861
Ion Ratio Lower Upper
168 100
99 62.1 49.8 74.6



#10
Methyl Iodide
Concen: 3.821 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

Tgt Ion:142 Resp: 444
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

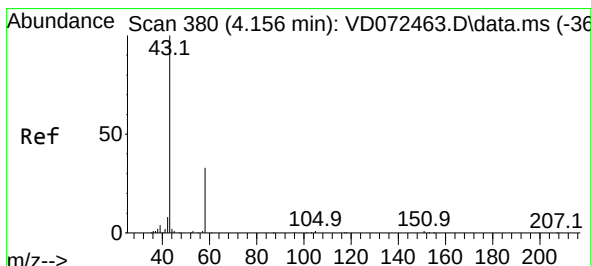
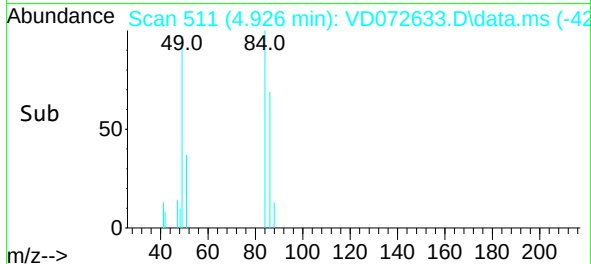
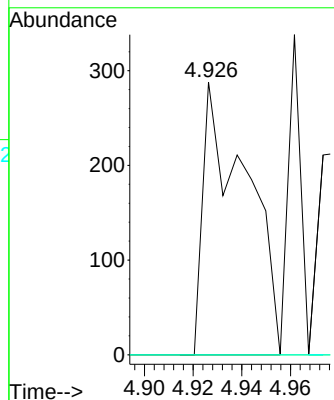
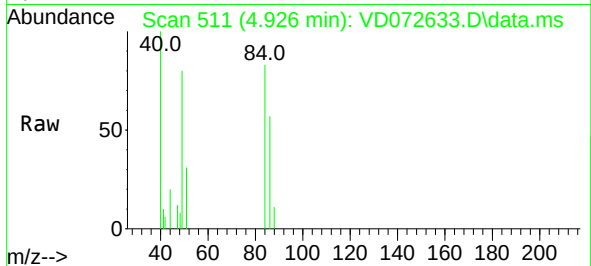




#14
 Allyl chloride
 Concen: 1.178 ug/l
 RT: 4.926 min Scan# 51
 Delta R.T. 0.206 min
 Lab File: VD072633.D
 Acq: 19 Apr 2022 19:09

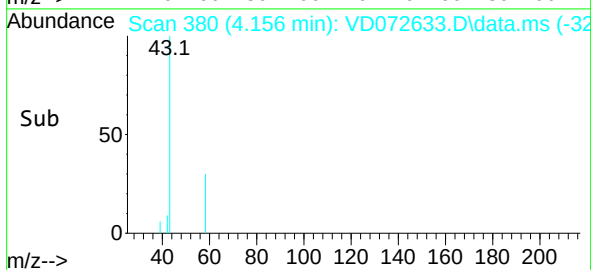
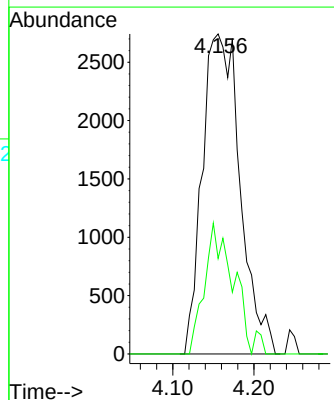
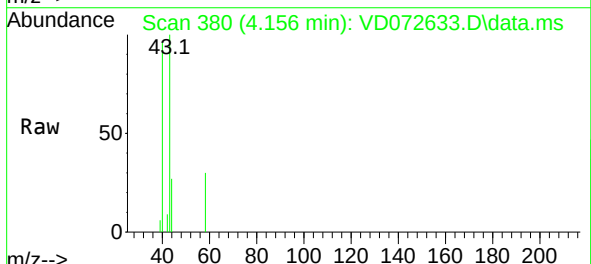
Instrument :
 MSVOA_D
 ClientSampleId :
 RECOVERED-CRUSHED-AGG

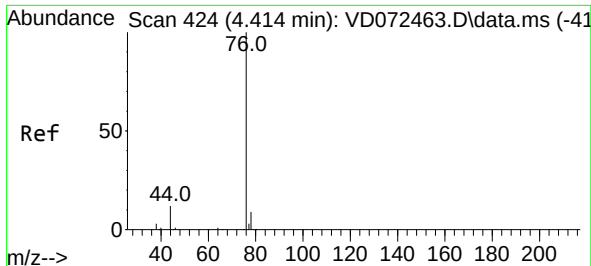
Tgt Ion: 41 Resp: 354
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 9.258 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: VD072633.D
 Acq: 19 Apr 2022 19:09

Tgt Ion: 43 Resp: 8872
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.1 33.1

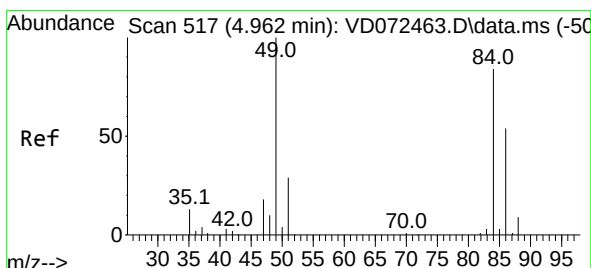
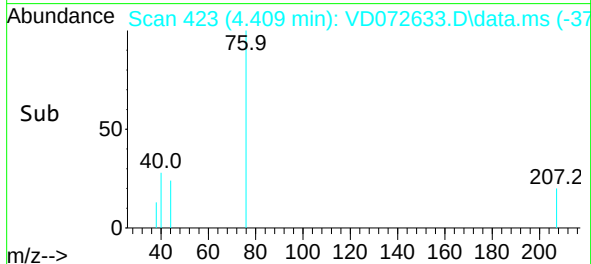
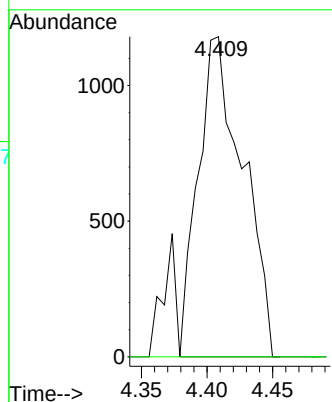
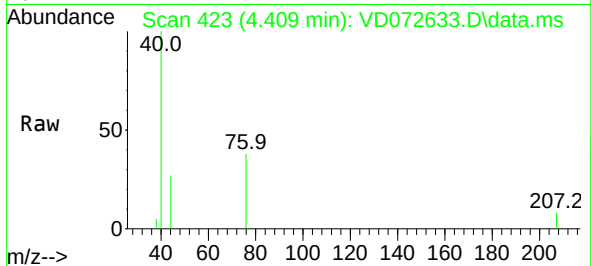




#17
Carbon Disulfide
Concen: 3.940 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

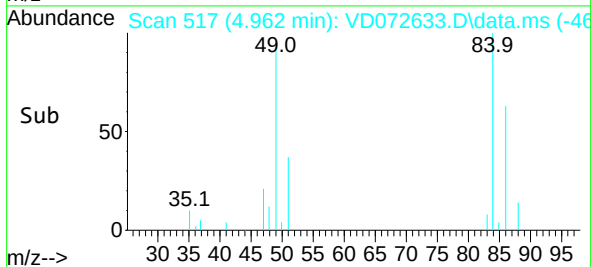
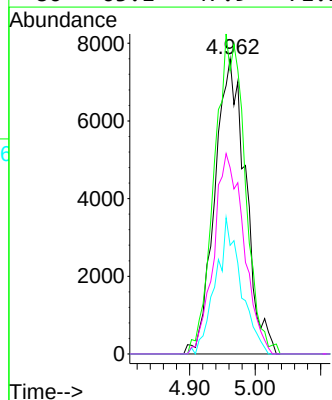
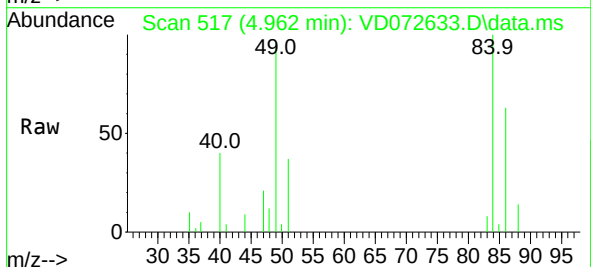
Instrument :
MSVOA_D
ClientSampleId :
RECOVERED-CRUSHED-AGG

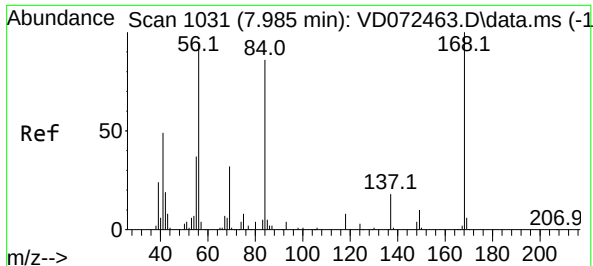
Tgt Ion: 76 Resp: 2801
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 4.334 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

Tgt Ion: 84 Resp: 24727
Ion Ratio Lower Upper
84 100
49 96.0 112.8 169.2#
51 36.8 32.6 48.8
86 63.1 47.9 71.9





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072633.D

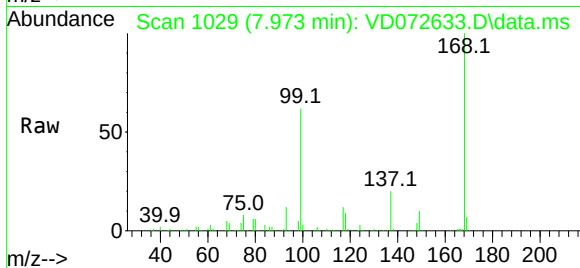
Acq: 19 Apr 2022 19:09

Instrument :

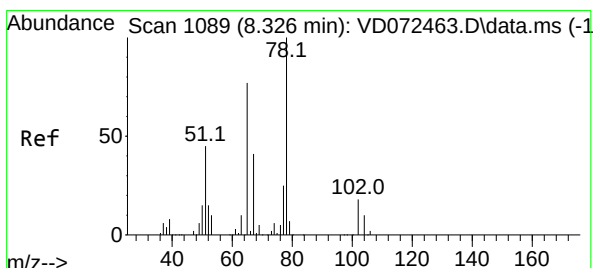
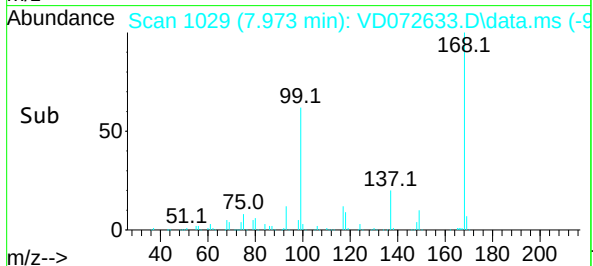
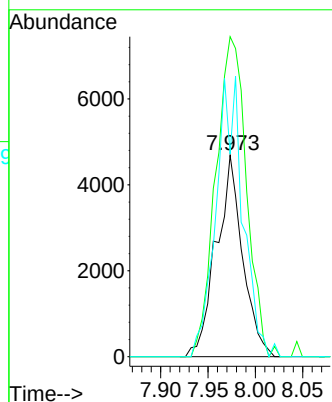
MSVOA_D

ClientSampleId :

RECOVERED-CRUSHED-AGG



Tgt Ion:	56	Resp:	9054
Ion	Ratio	Lower	Upper
56	100		
69	158.8	25.4	38.2#
84	100.6	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.064 ug/l

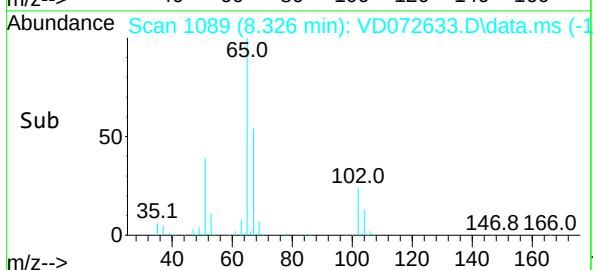
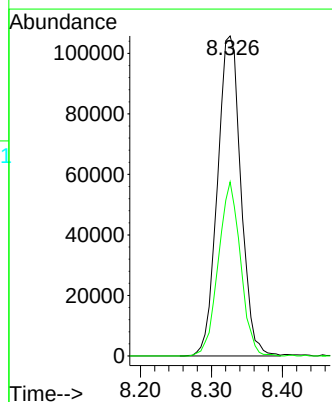
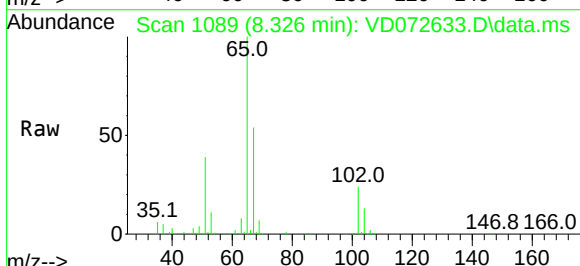
RT: 8.326 min Scan# 1089

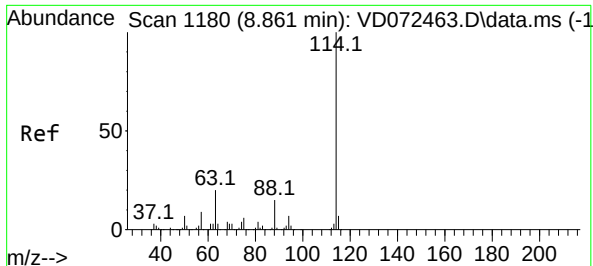
Delta R.T. 0.000 min

Lab File: VD072633.D

Acq: 19 Apr 2022 19:09

Tgt Ion:	65	Resp:	241884
Ion	Ratio	Lower	Upper
65	100		
67	51.5	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: VD072633.D

Acq: 19 Apr 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

RECOVERED-CRUSHED-AGG

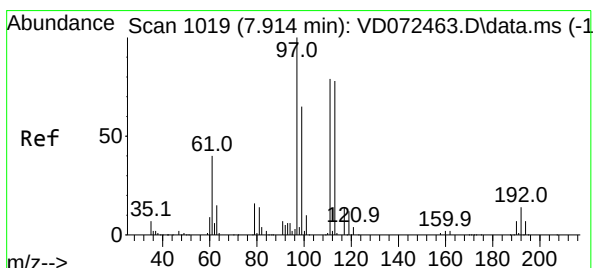
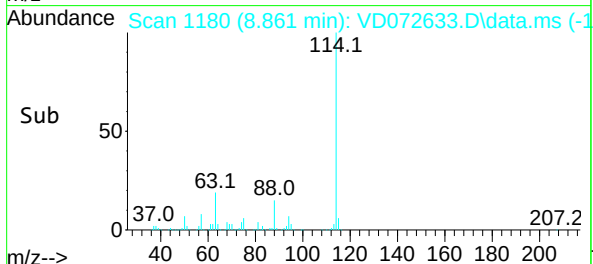
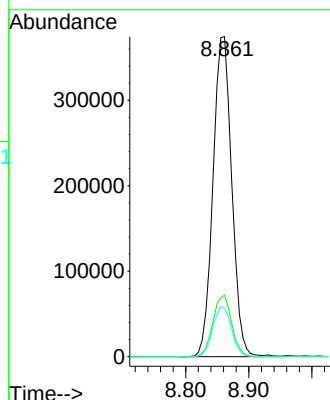
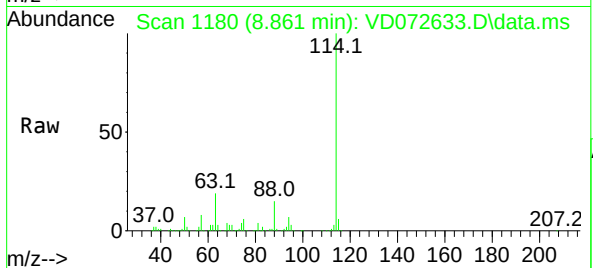
Tgt Ion:114 Resp: 773258

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 33.975 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072633.D

Acq: 19 Apr 2022 19:09

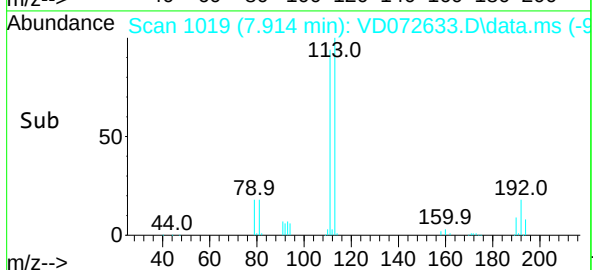
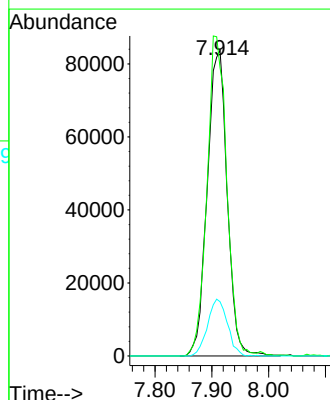
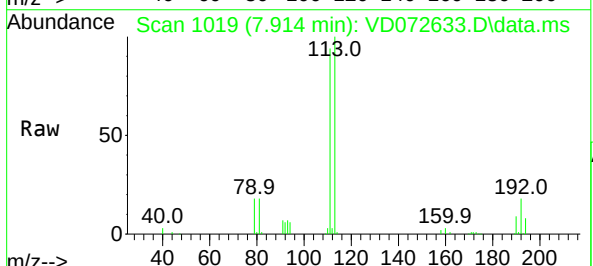
Tgt Ion:113 Resp: 204166

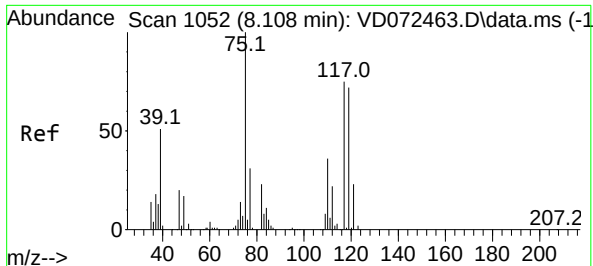
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.454 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072633.D

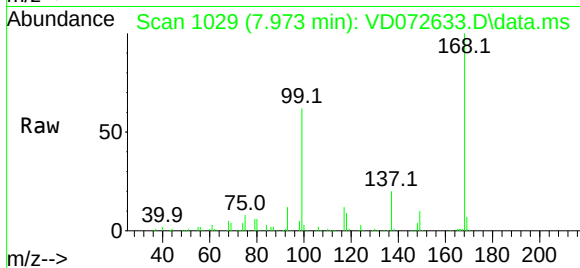
Acq: 19 Apr 2022 19:09

Instrument :

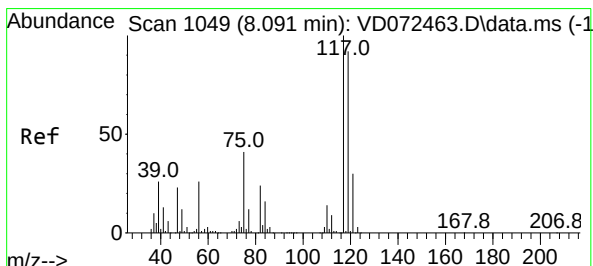
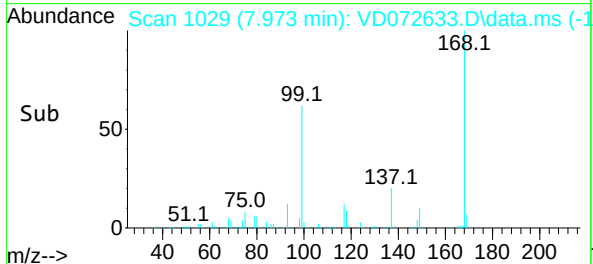
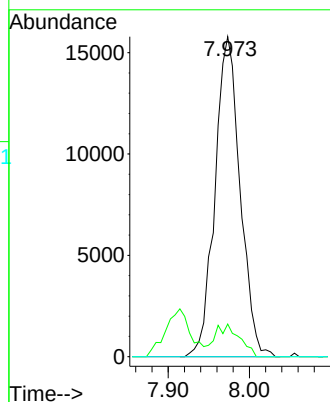
MSVOA_D

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RECOVERED-CRUSHED-AGG



Tgt Ion: 75	Resp: 34020
Ion Ratio	Lower Upper
75	100
110	10.0 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.354 ug/l

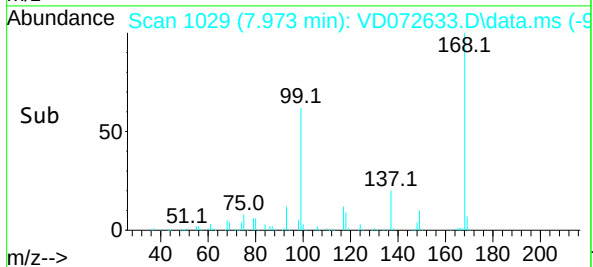
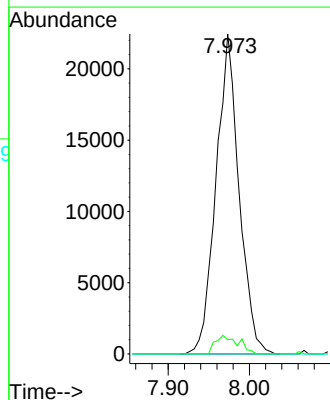
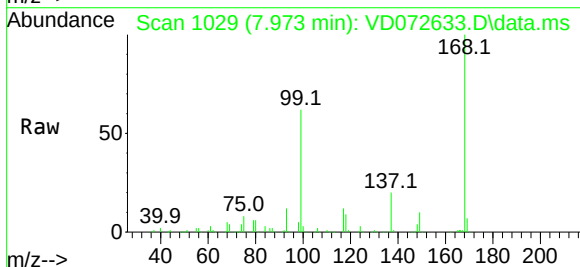
RT: 7.973 min Scan# 1029

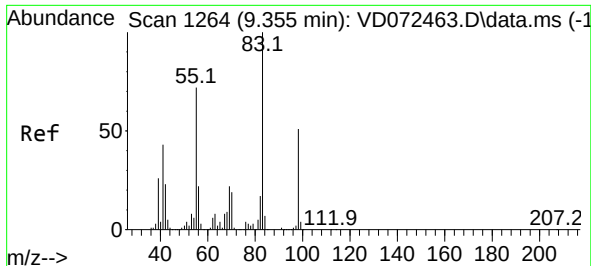
Delta R.T. -0.118 min

Lab File: VD072633.D

Acq: 19 Apr 2022 19:09

Tgt Ion: 117	Resp: 44324
Ion Ratio	Lower Upper
117	100
119	4.5 75.8 113.6#
121	0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.891 ug/l

RT: 9.079 min Scan# 11

Delta R.T. -0.276 min

Lab File: VD072633.D

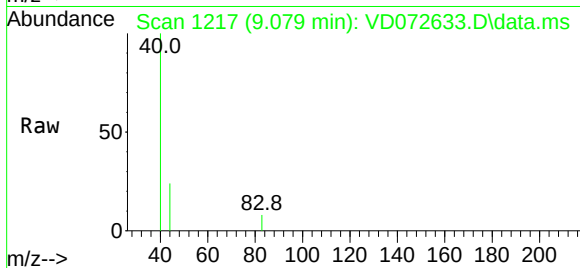
Acq: 19 Apr 2022 19:09

Instrument :

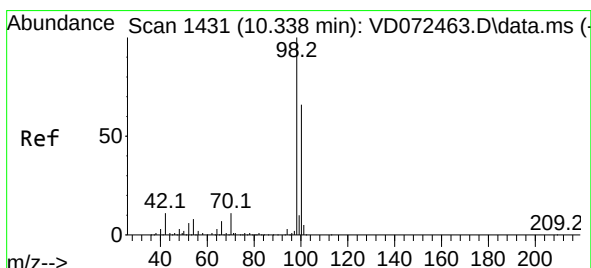
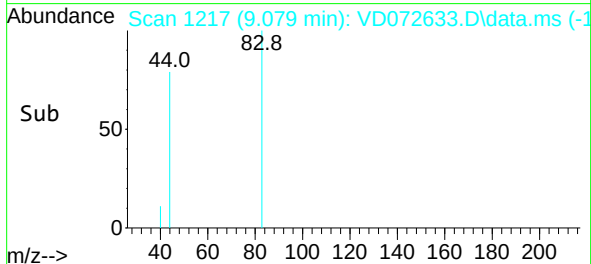
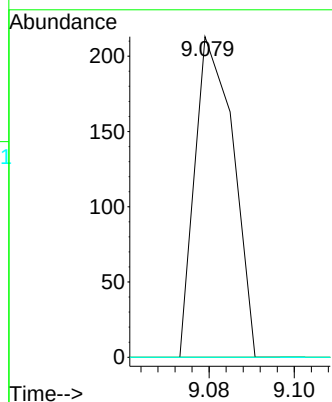
MSVOA_D

ClientSampleId :

RECOVERED-CRUSHED-AGG



Tgt Ion:	83	Resp:	133
Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.2	94.8#
98	0.0	38.2	57.4#



#50

Toluene-d8

Concen: 44.176 ug/l

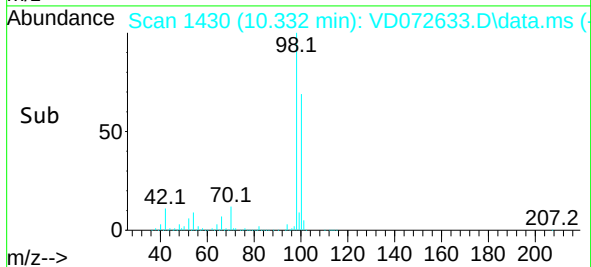
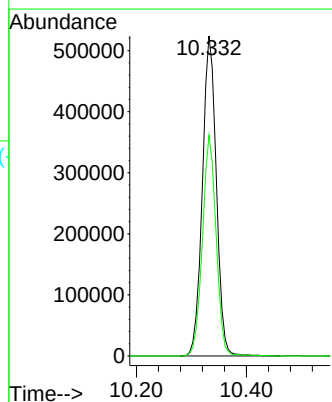
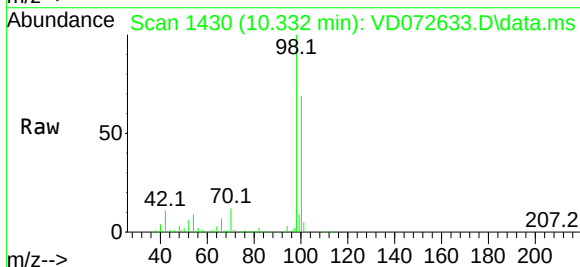
RT: 10.332 min Scan# 1430

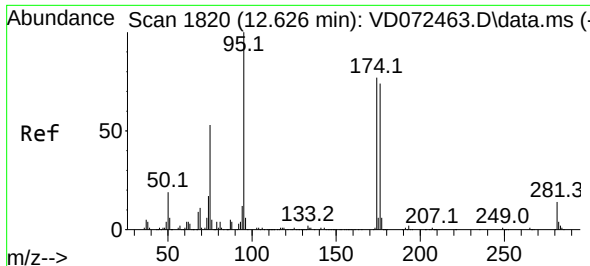
Delta R.T. -0.006 min

Lab File: VD072633.D

Acq: 19 Apr 2022 19:09

Tgt Ion:	98	Resp:	922774
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.4	78.6

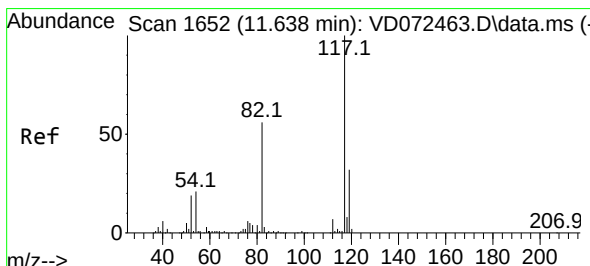
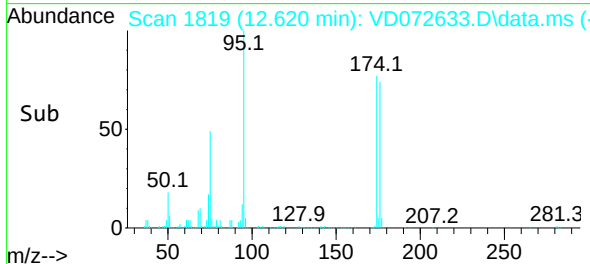
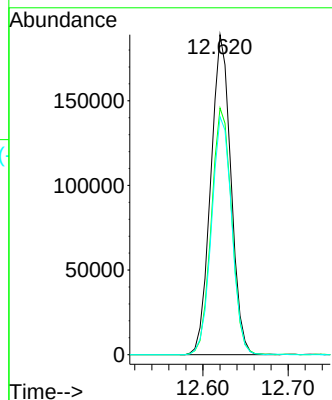
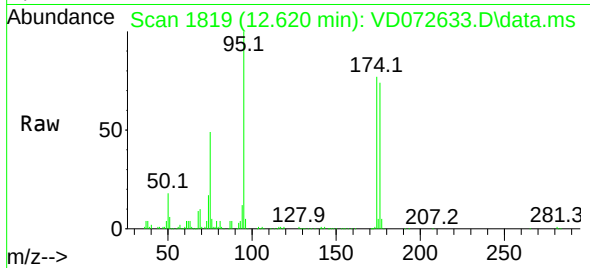




#62
4-Bromofluorobenzene
Concen: 38.102 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

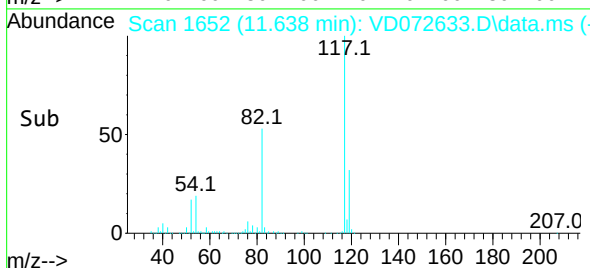
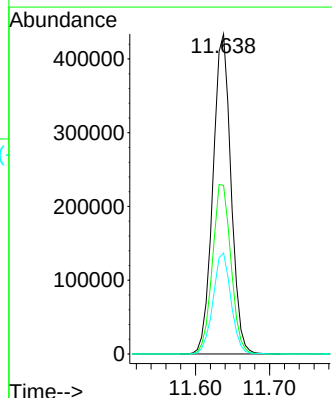
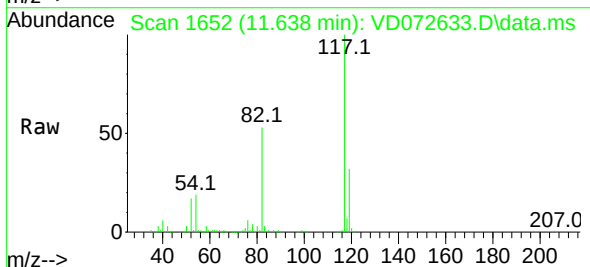
Instrument :
MSVOA_D
ClientSampleId :
RECOVERED-CRUSHED-AGG

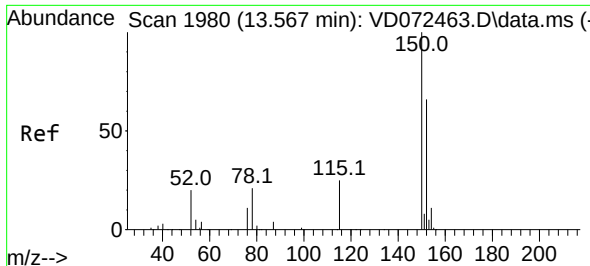
Tgt Ion: 95 Resp: 310838
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

Tgt Ion: 117 Resp: 733467
Ion Ratio Lower Upper
117 100
82 52.7 45.3 67.9
119 31.6 26.6 40.0

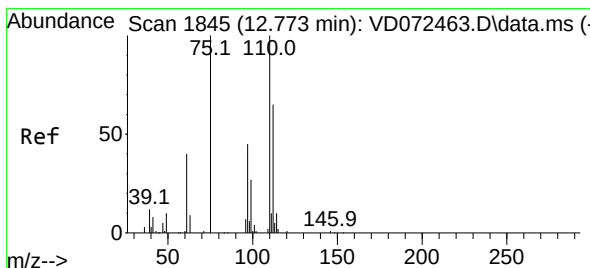
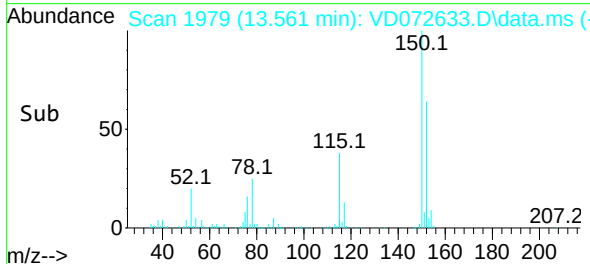
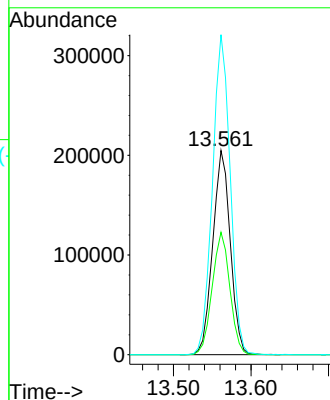
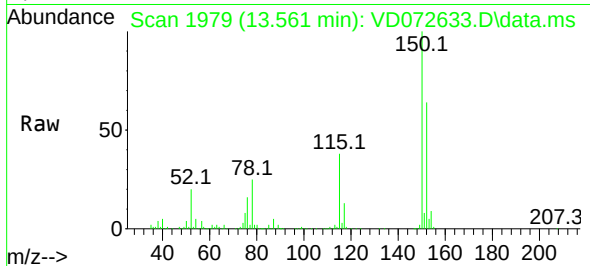




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072633.D
 Acq: 19 Apr 2022 19:09

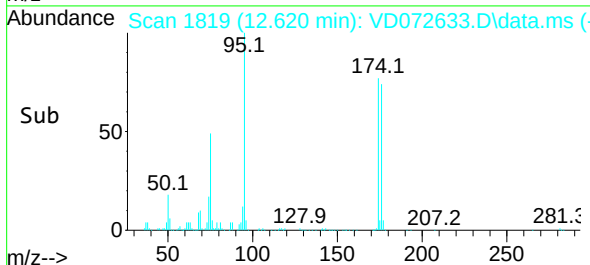
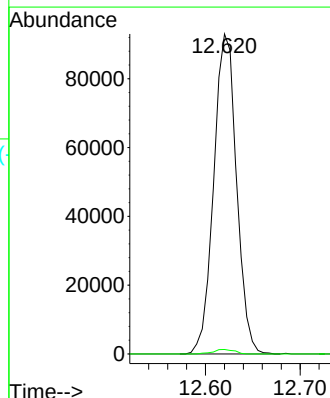
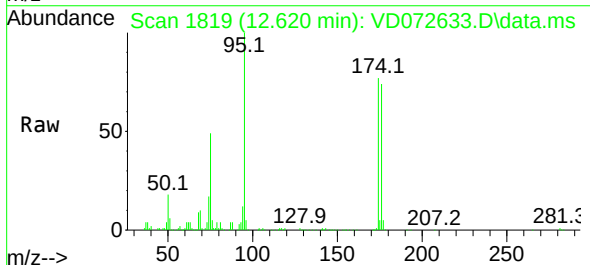
Instrument :
 MSVOA_D
 ClientSampleId :
 RECOVERED-CRUSHED-AGG

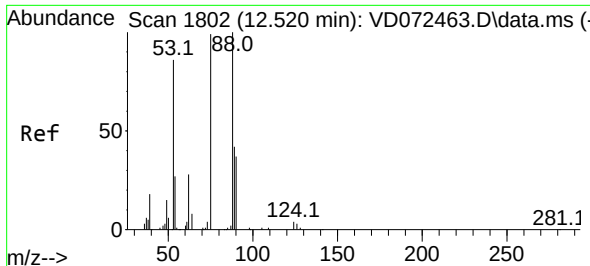
Tgt Ion:152 Resp: 321924
 Ion Ratio Lower Upper
 152 100
 115 60.3 31.3 93.8
 150 158.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.376 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072633.D
 Acq: 19 Apr 2022 19:09

Tgt Ion: 75 Resp: 155810
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

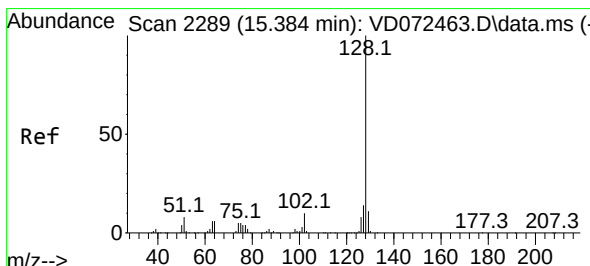
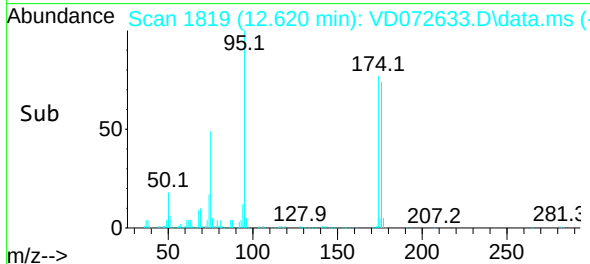
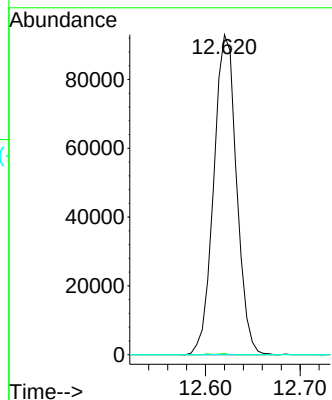
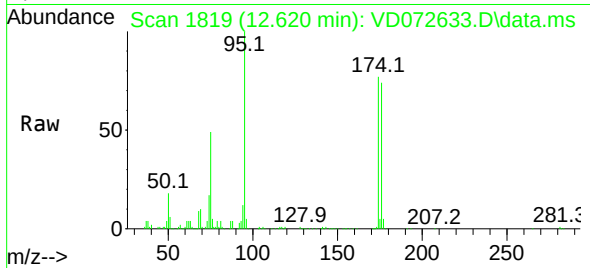




#81
trans-1,4-Dichloro-2-butene
Concen: 108.891 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

Instrument :
MSVOA_D
ClientSampleId :
RECOVERED-CRUSHED-AGG

Tgt Ion: 75 Resp: 155810
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.362 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072633.D
Acq: 19 Apr 2022 19:09

Tgt Ion:128 Resp: 17471
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.2 8.4 12.6

