

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072317.D
 Acq On : 19 Mar 2022 05:04
 Operator : VA/SY
 Sample : N1970-07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-3-10-17-18

Quant Time: Mar 19 05:35:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

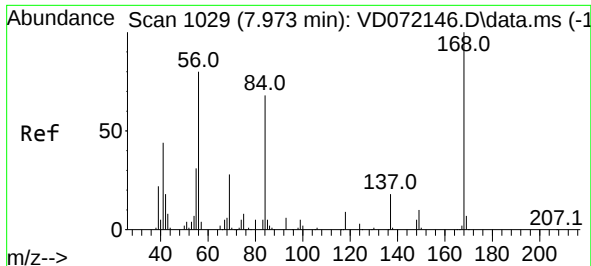
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	343673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	568795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	636438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180054	47.011	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.020%		
35) Dibromofluoromethane	7.909	113	178509	44.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.200%		
50) Toluene-d8	10.332	98	719628	49.169	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.620	95	317090	55.759	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	111.520%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	587	2.386	ug/l #	50
16) Acetone	4.150	43	25691	30.894	ug/l	96
17) Carbon Disulfide	4.409	76	10483	2.881	ug/l #	78
20) Methylene Chloride	4.962	84	12927	Below Cal	#	75
25) 2-Butanone	7.214	43	7024	6.335	ug/l	95
31) Cyclohexane	7.973	56	10287	1.719	ug/l #	33
36) 1,1-Dichloropropene	7.979	75	27882	4.965	ug/l #	53
37) Ethyl Acetate	7.214	43	7024	2.856	ug/l #	72
38) Carbon Tetrachloride	7.973	117	35551	5.570	ug/l #	17
39) Methylcyclohexane	9.350	83	13542	2.143	ug/l	92
40) Benzene	8.350	78	55830	3.485	ug/l	96
51) 4-Methyl-2-Pentanone	10.332	43	4797	1.913	ug/l #	1
55) 1,1,2-Trichloroethane	10.773	97	4305	1.308	ug/l #	15
59) 2-Hexanone	10.950	43	3863	2.231	ug/l #	27
73) Isopropylbenzene	12.467	105	33728	1.339	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	165384	47.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	165384	117.033	ug/l #	7
95) Naphthalene	15.379	128	52340	4.427	ug/l	96

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

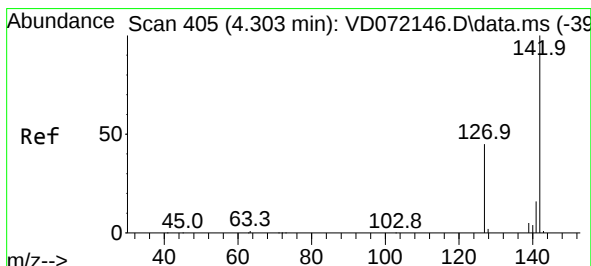
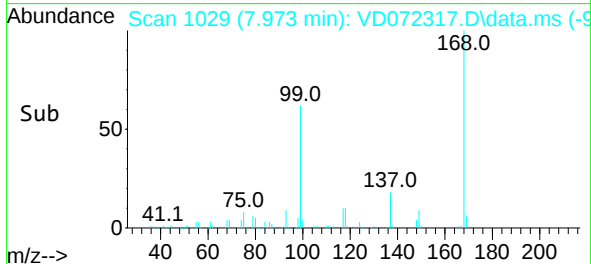
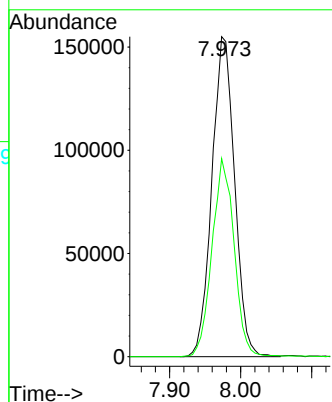
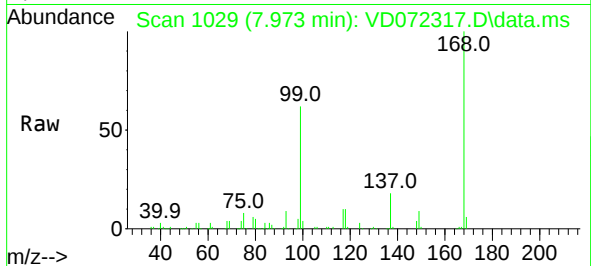




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

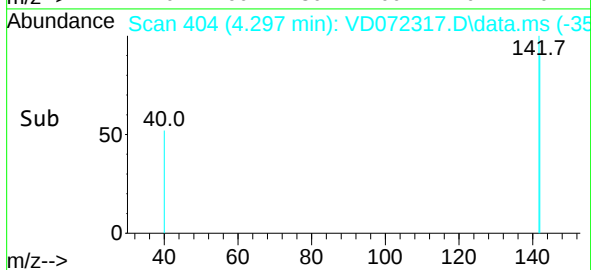
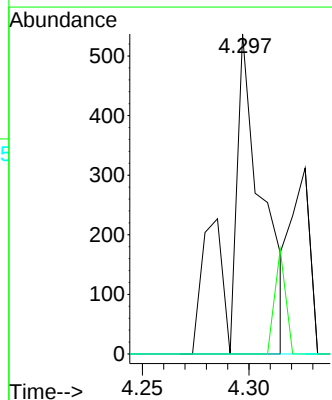
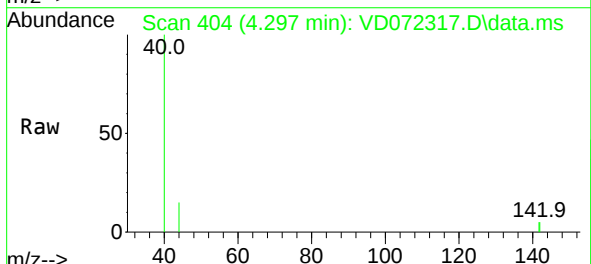
Instrument :
MSVOA_D
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G-3-10-17-18

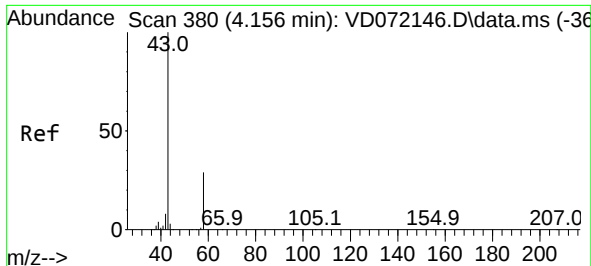
Tgt Ion:168 Resp: 343673
Ion Ratio Lower Upper
168 100
99 61.9 49.8 74.6



#10
Methyl Iodide
Concen: 2.386 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion:142 Resp: 587
Ion Ratio Lower Upper
142 100
127 10.6 37.3 55.9#
141 0.0 11.7 17.5#

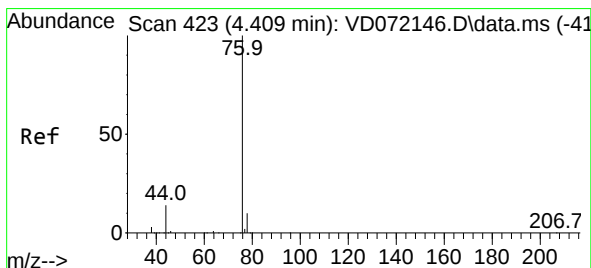
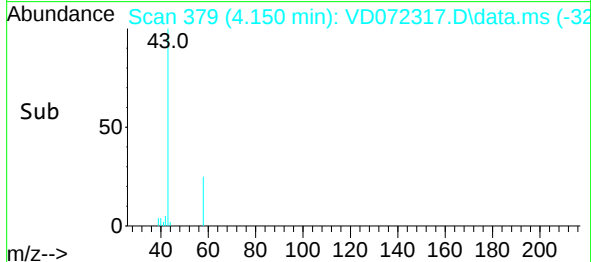
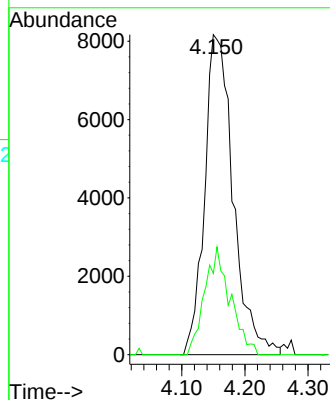
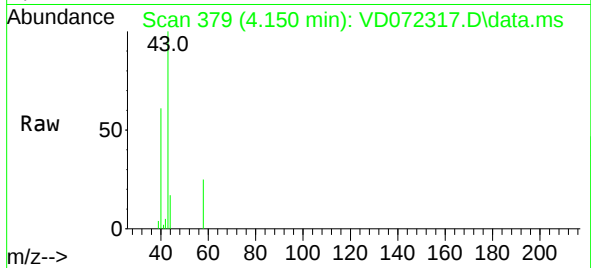




#16
Acetone
Concen: 30.894 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

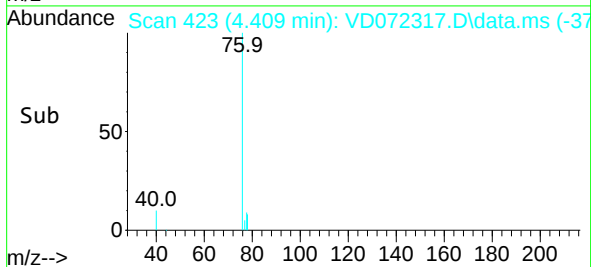
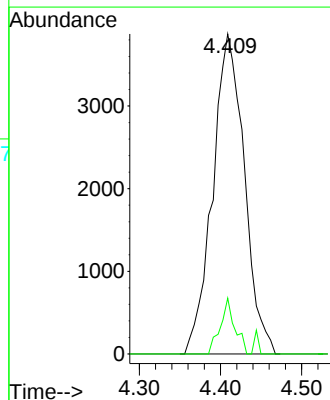
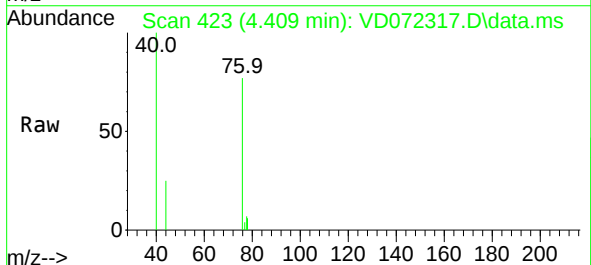
Instrument :
MSVOA_D
ClientSampleId :
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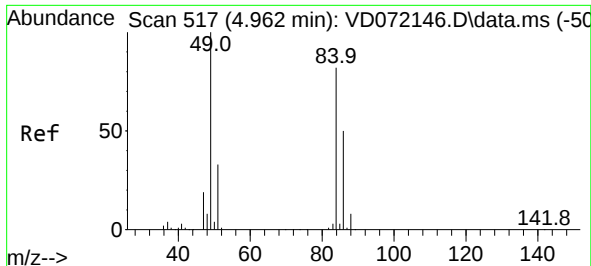
Tgt Ion: 43 Resp: 25691
Ion Ratio Lower Upper
43 100
58 25.4 22.1 33.1



#17
Carbon Disulfide
Concen: 2.881 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 76 Resp: 10483
Ion Ratio Lower Upper
76 100
78 17.5 7.5 11.3#

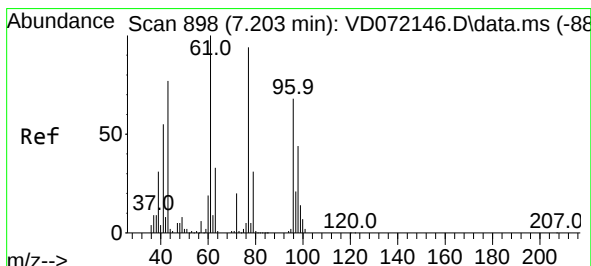
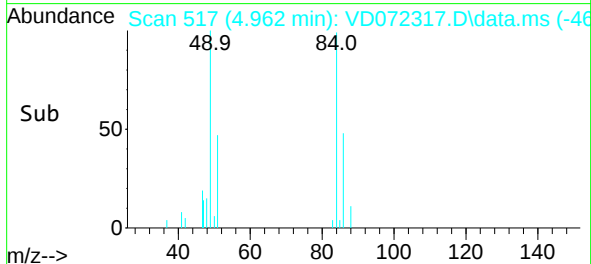
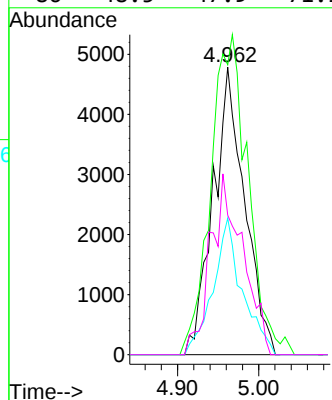
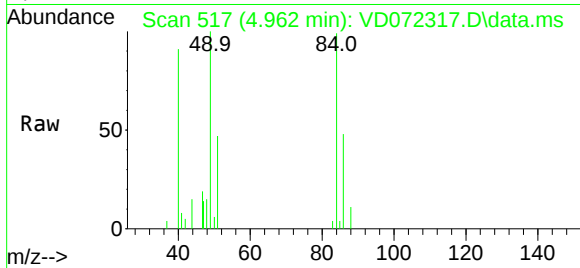




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

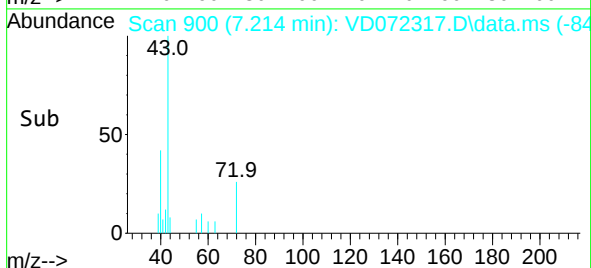
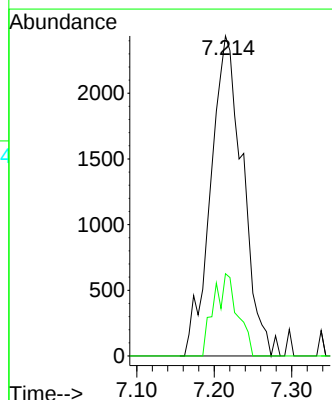
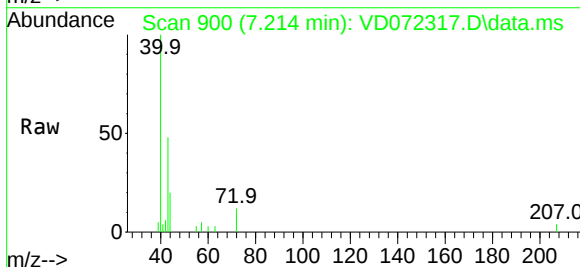
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

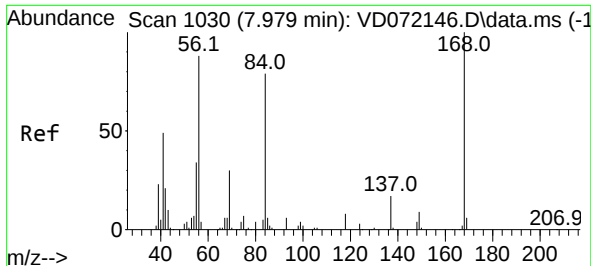
Tgt Ion: 84 Resp: 12927
Ion Ratio Lower Upper
84 100
49 100.8 112.8 169.2#
51 47.4 32.6 48.8
86 48.5 47.9 71.9



#25
2-Butanone
Concen: 6.335 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 43 Resp: 7024
Ion Ratio Lower Upper
43 100
72 25.7 18.6 27.8

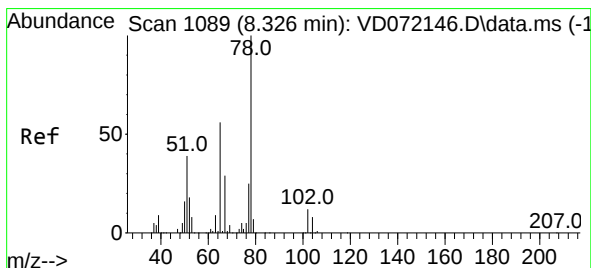
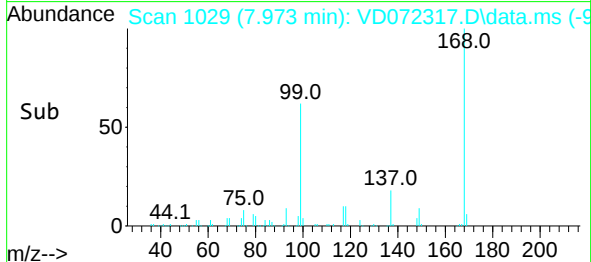
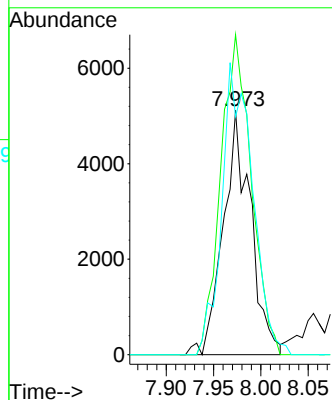
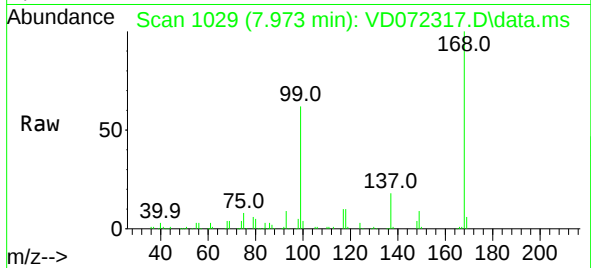




#31
Cyclohexane
Concen: 1.719 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

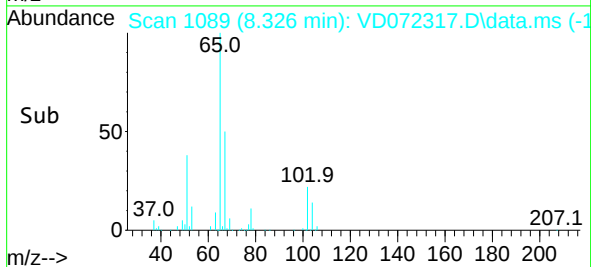
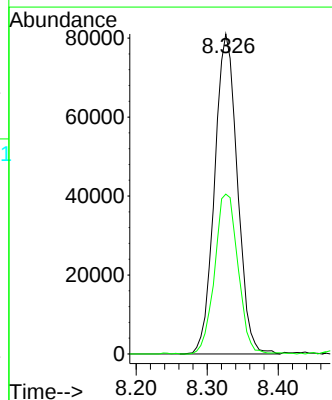
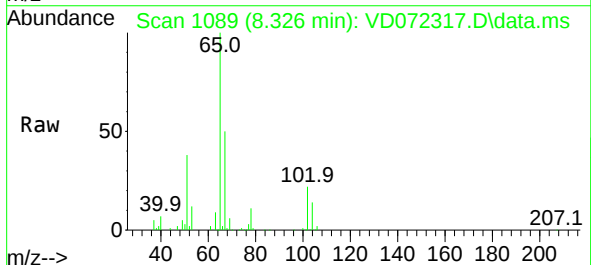
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

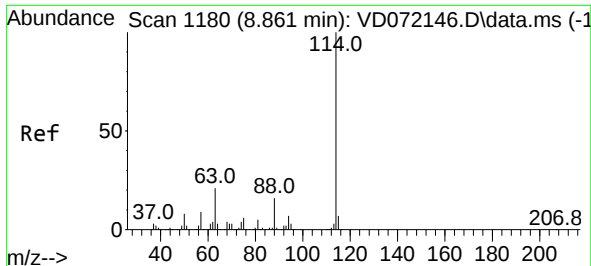
Tgt Ion: 56 Resp: 10287
Ion Ratio Lower Upper
56 100
69 131.1 25.4 38.2#
84 97.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.011 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 65 Resp: 180054
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4

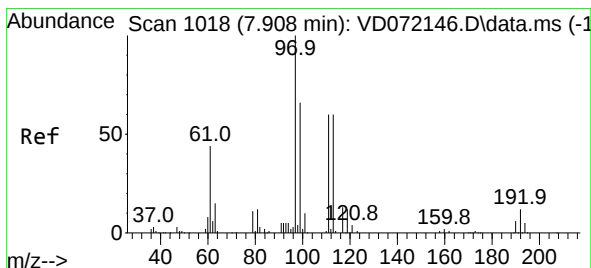
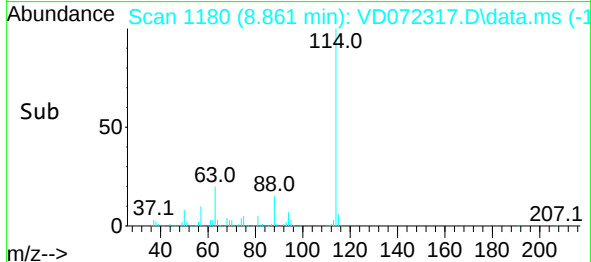
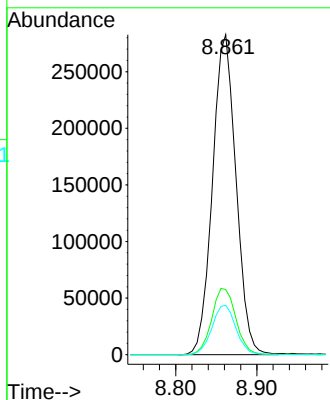
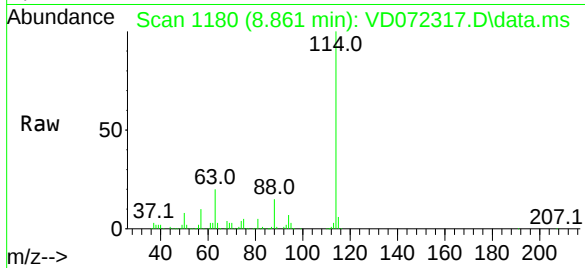




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

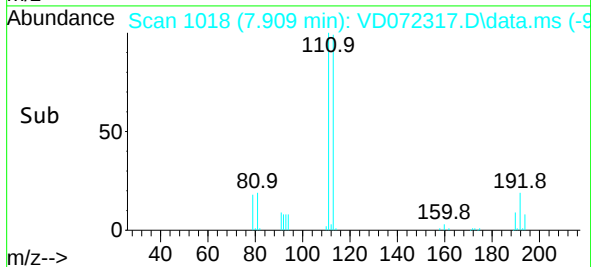
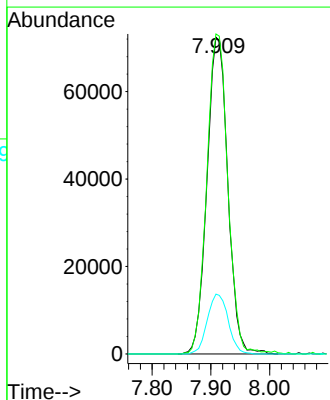
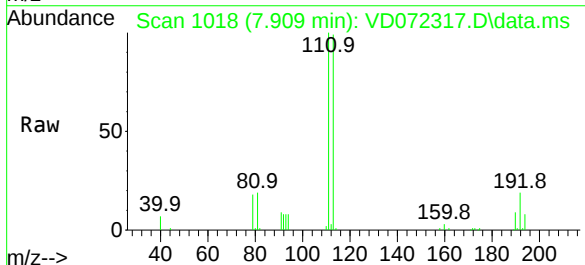
Instrument :
MSVOA_D
ClientSampleId :
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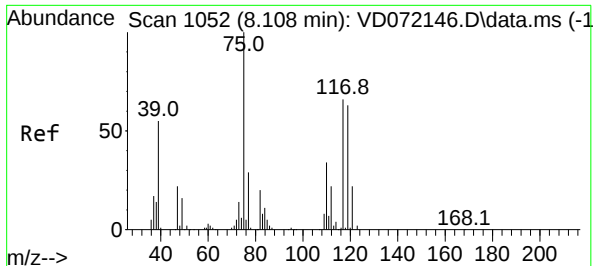
Tgt Ion:114 Resp: 568795
Ion Ratio Lower Upper
114 100
63 20.4 0.0 46.6
88 15.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 44.598 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion:113 Resp: 178509
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD072317.D

Acq: 19 Mar 2022 05:04

Instrument :

MSVOA_D

ClientSampleId :

G-3-10-17-18

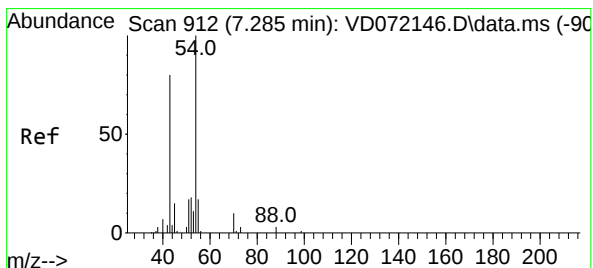
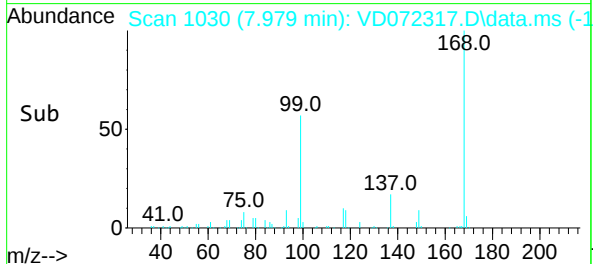
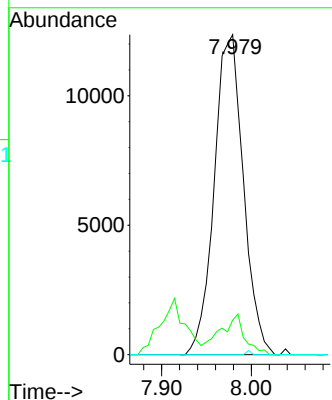
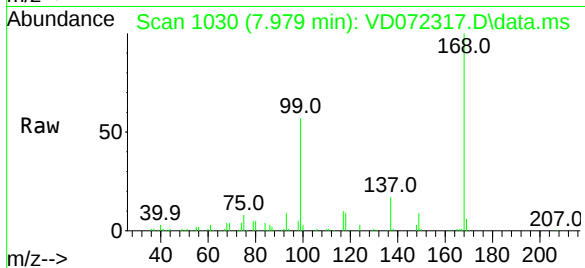
Tgt Ion: 75 Resp: 27882

Ion Ratio Lower Upper

75 100

110 10.9 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.856 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.070 min

Lab File: VD072317.D

Acq: 19 Mar 2022 05:04

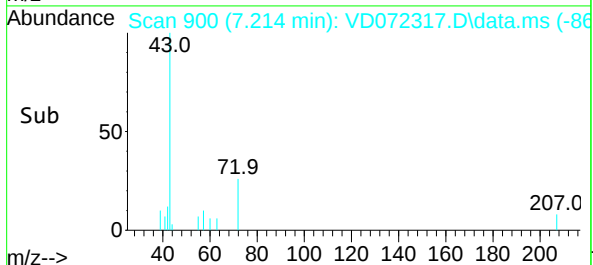
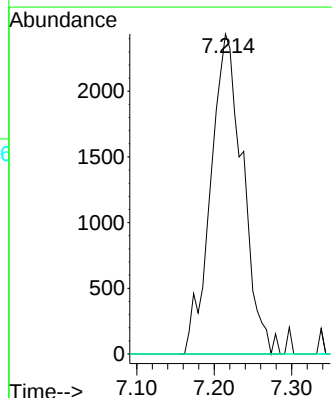
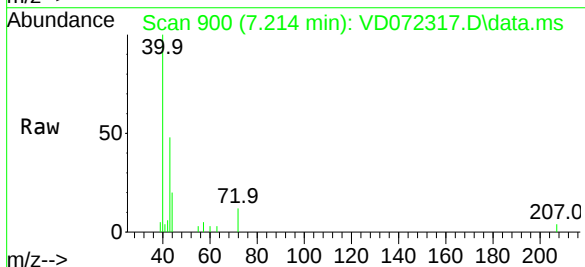
Tgt Ion: 43 Resp: 7024

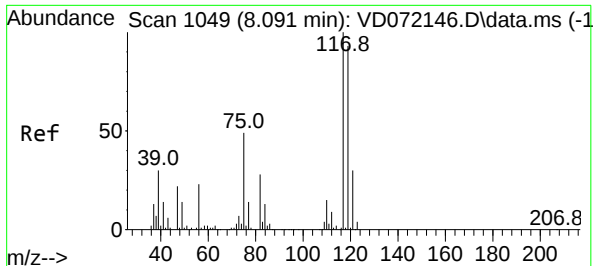
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#

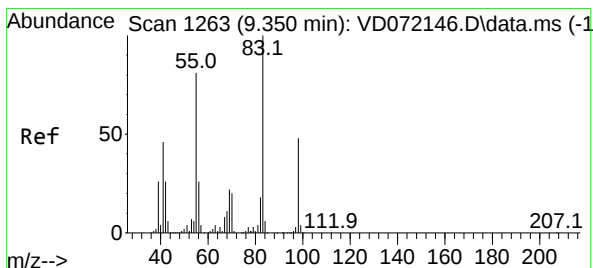
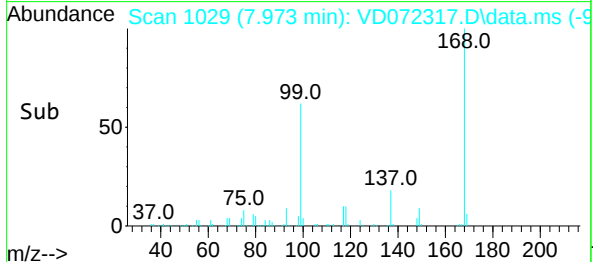
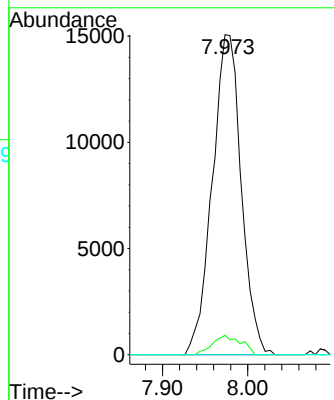
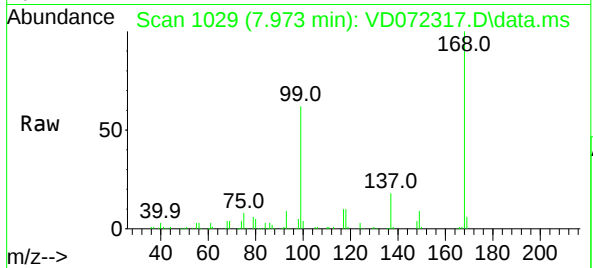




#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

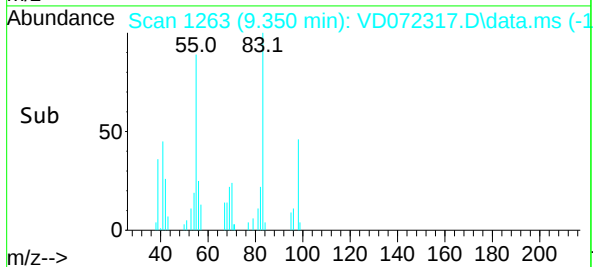
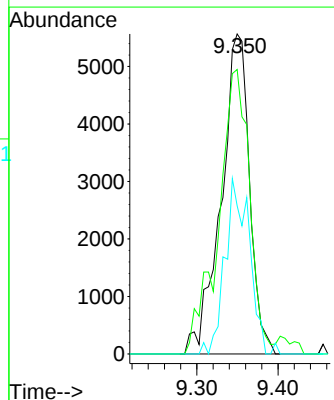
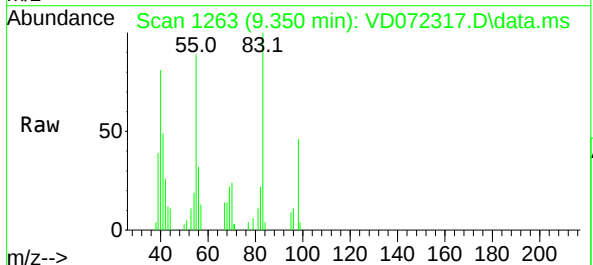
Instrument :
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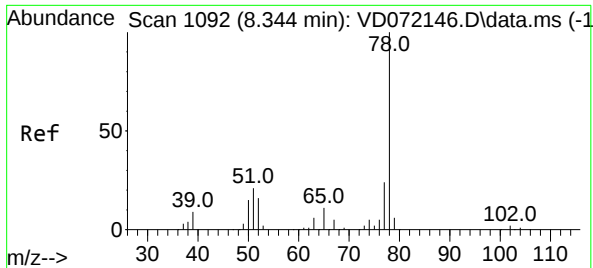
Tgt Ion:117 Resp: 35551
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.143 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 83 Resp: 13542
Ion Ratio Lower Upper
83 100
55 88.9 63.2 94.8
98 46.3 38.2 57.4

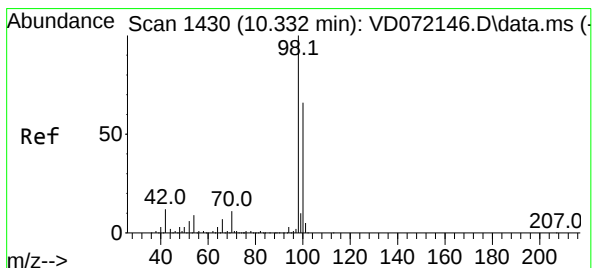
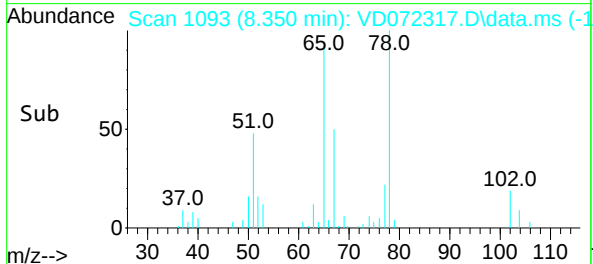
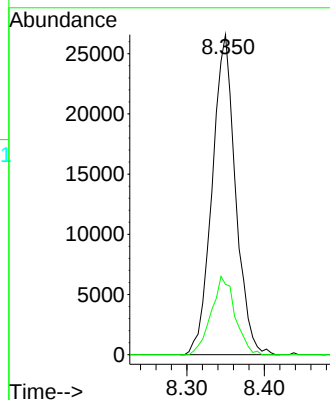
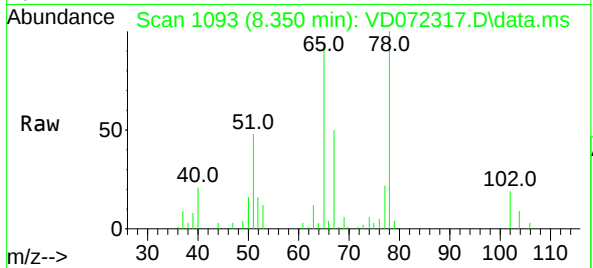




#40
Benzene
Concen: 3.485 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

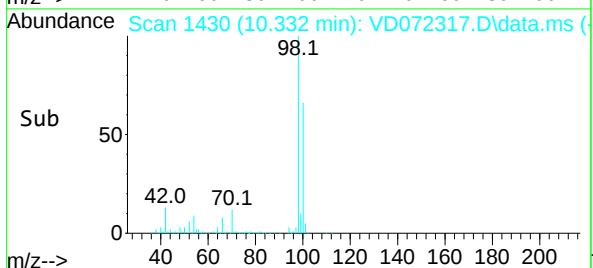
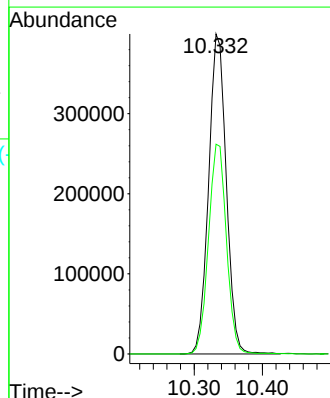
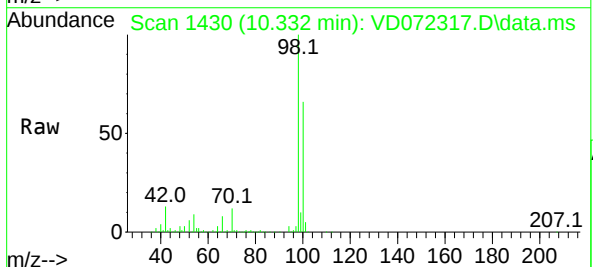
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

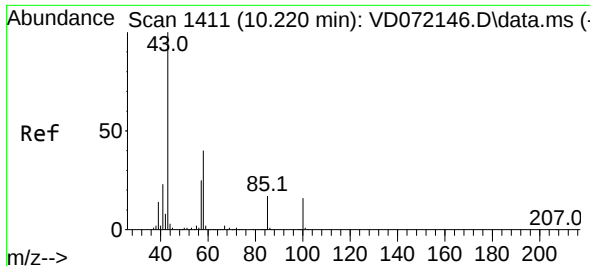
Tgt Ion: 78 Resp: 55830
Ion Ratio Lower Upper
78 100
77 21.9 19.1 28.7



#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 98 Resp: 719628
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.913 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.112 min

Lab File: VD072317.D

Acq: 19 Mar 2022 05:04

Instrument :

MSVOA_D

ClientSampleId :

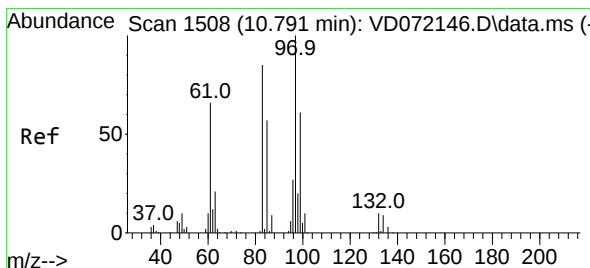
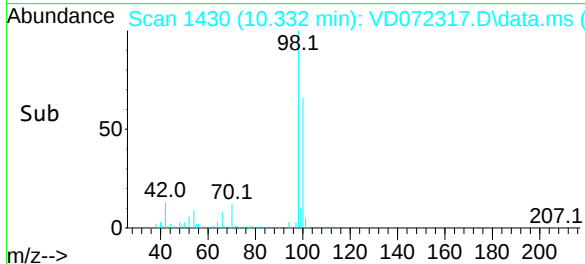
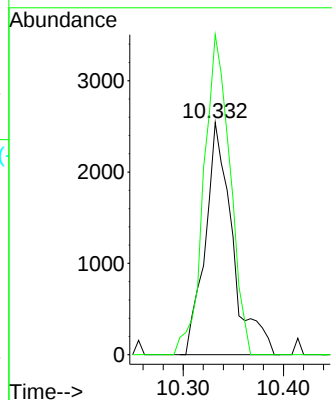
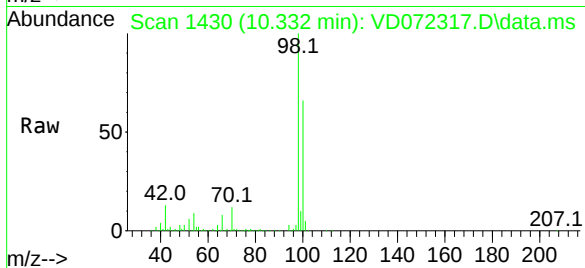
G-3-10-17-18

Tgt Ion: 43 Resp: 4797

Ion Ratio Lower Upper

43 100

58 132.7 28.6 43.0#



#55

1,1,2-Trichloroethane

Concen: 1.308 ug/l

RT: 10.773 min Scan# 1505

Delta R.T. -0.018 min

Lab File: VD072317.D

Acq: 19 Mar 2022 05:04

Tgt Ion: 97 Resp: 4305

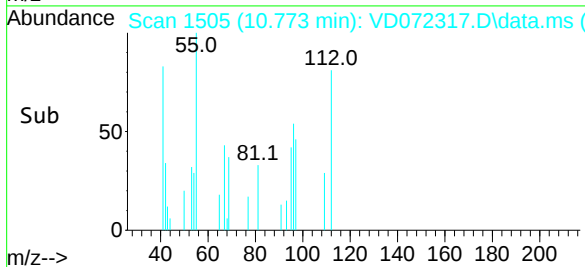
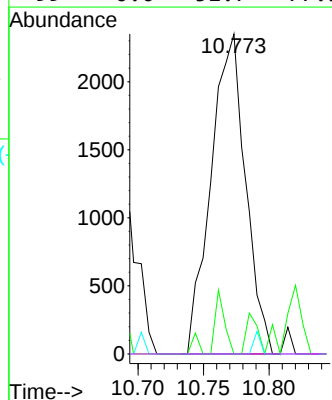
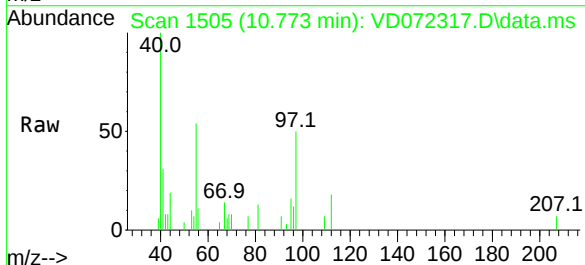
Ion Ratio Lower Upper

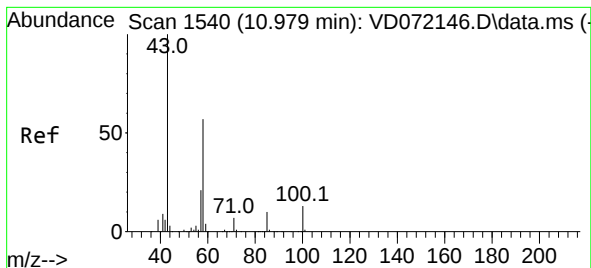
97 100

83 0.0 69.0 103.4#

85 0.0 42.6 63.8#

99 0.0 51.7 77.5#

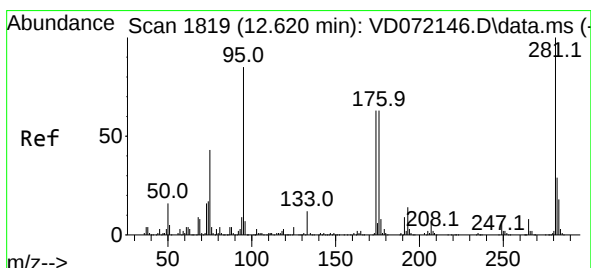
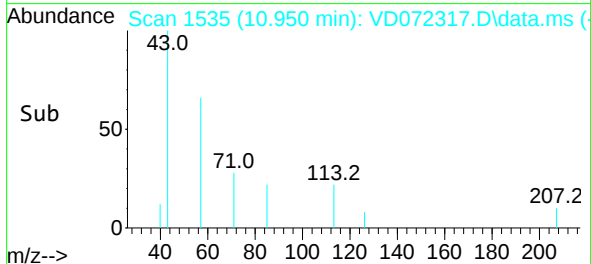
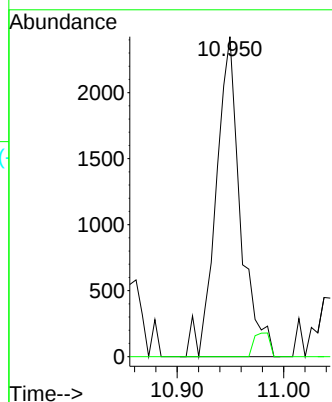
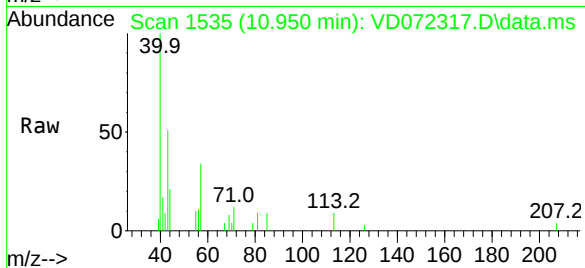




#59
2-Hexanone
Concen: 2.231 ug/l
RT: 10.950 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

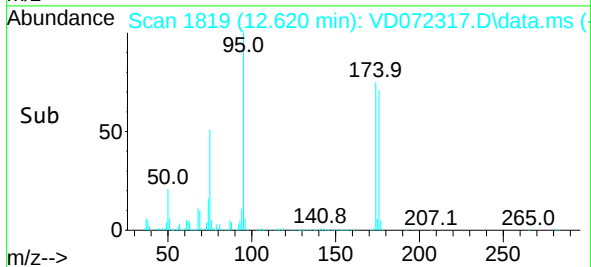
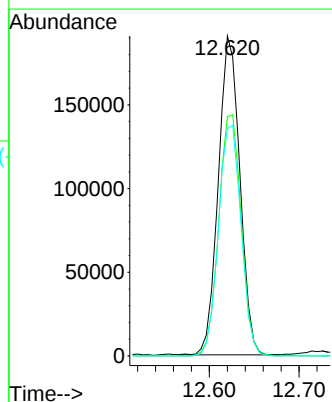
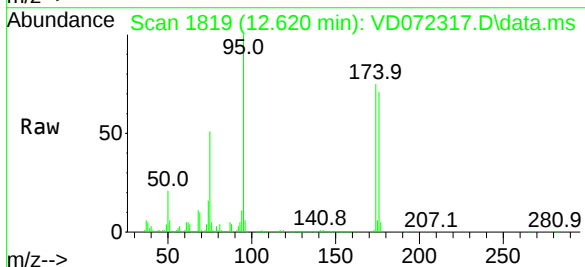
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

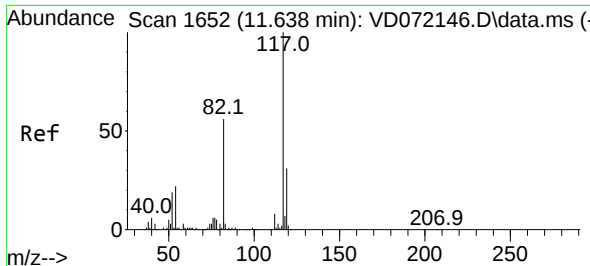
Tgt Ion: 43 Resp: 3863
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 55.759 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 95 Resp: 317090
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 76.0 0.0 145.4

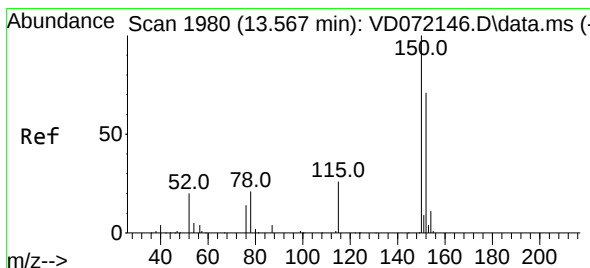
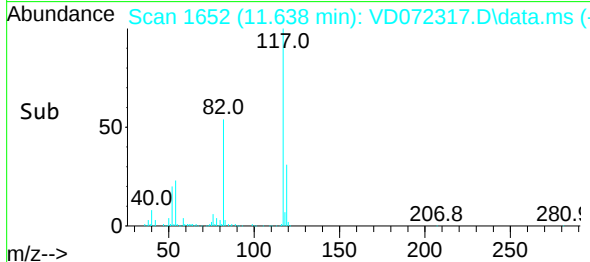
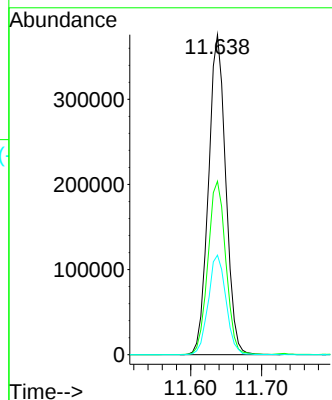
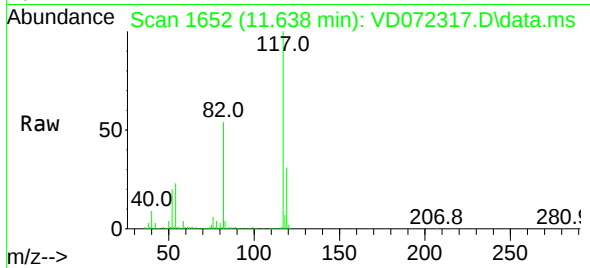




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

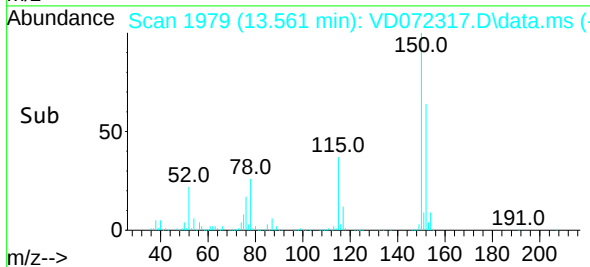
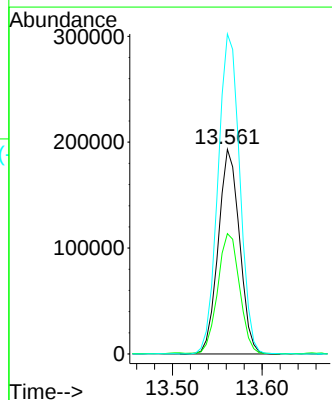
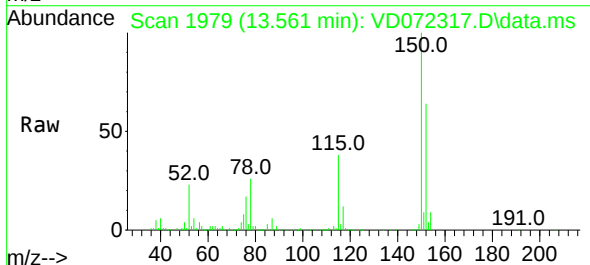
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

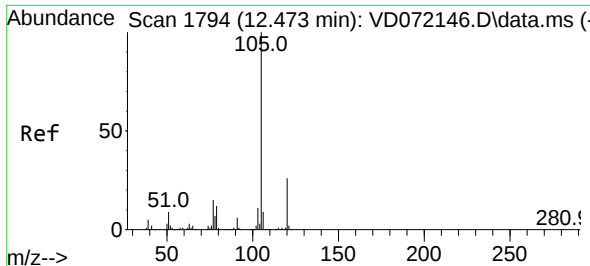
Tgt Ion:117 Resp: 636438
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 31.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion:152 Resp: 317847
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 160.3 0.0 348.6

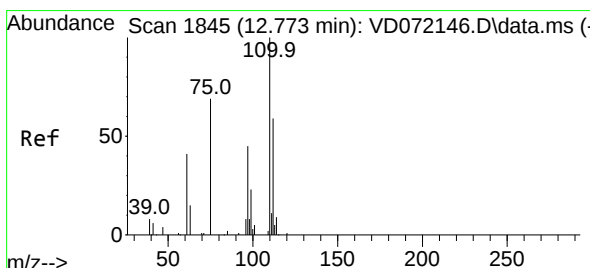
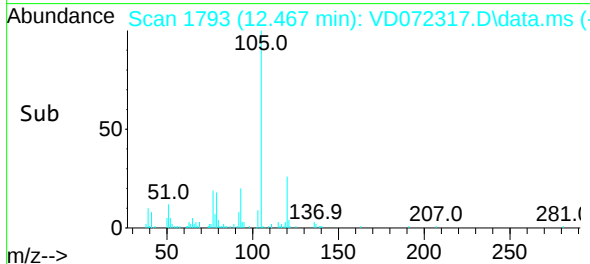
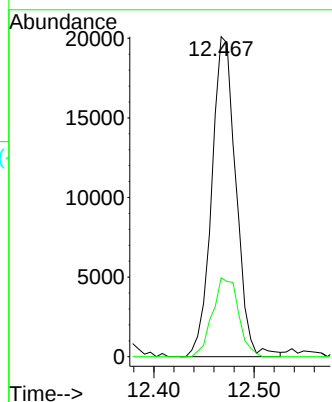
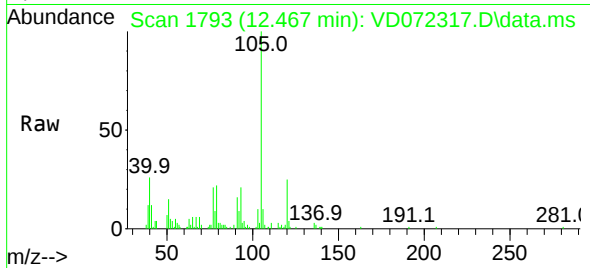




#73
Isopropylbenzene
Concen: 1.339 ug/l
RT: 12.467 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

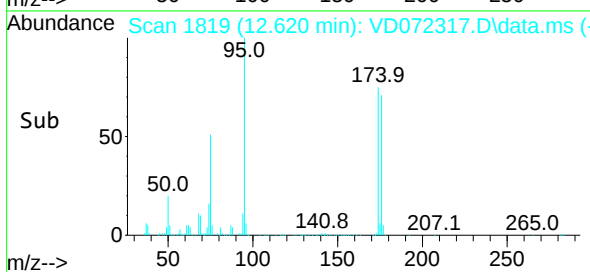
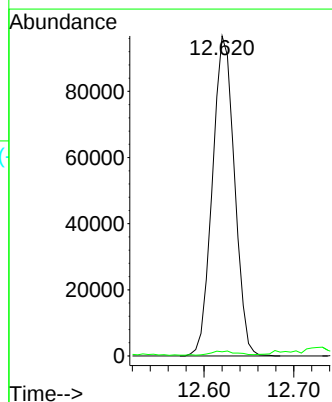
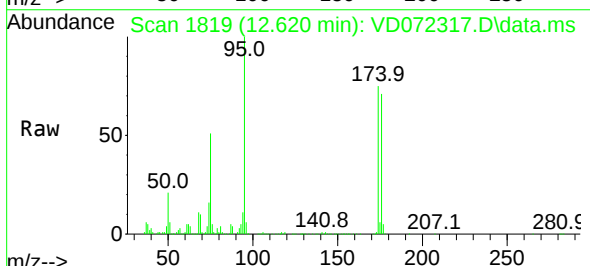
Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

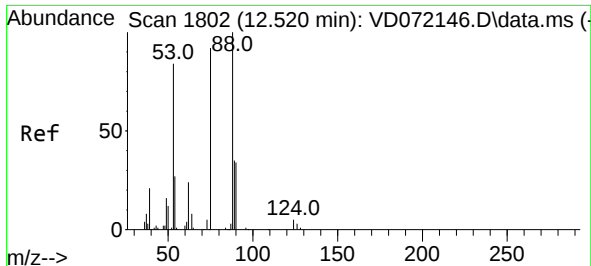
Tgt Ion:105 Resp: 33728
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 47.170 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 75 Resp: 165384
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

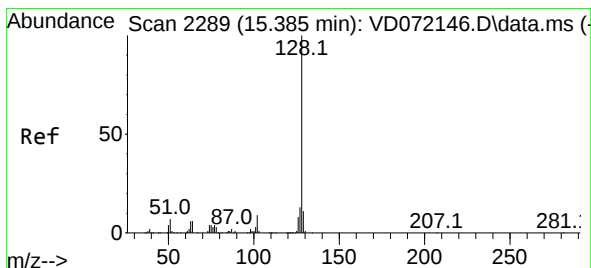
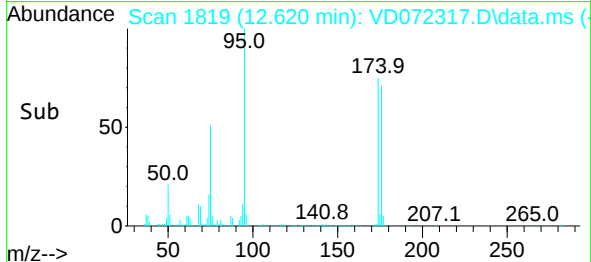
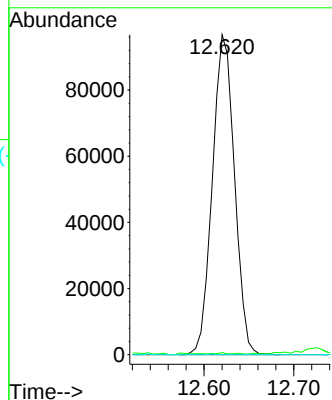
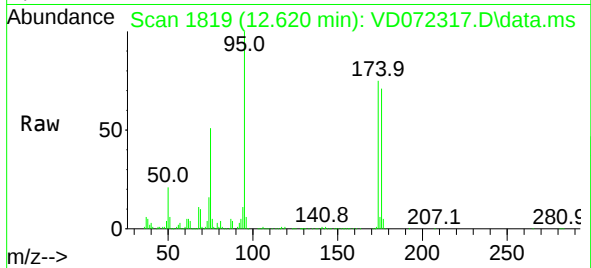




#81
trans-1,4-Dichloro-2-butene
Concen: 117.033 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Instrument :
MSVOA_D
ClientSampleId :
G-3-10-17-18

Tgt Ion: 75 Resp: 165384
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.427 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD072317.D
Acq: 19 Mar 2022 05:04

Tgt Ion: 128 Resp: 52340
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 12.0 8.4 12.6

