

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072222.D
 Acq On : 16 Mar 2022 17:02
 Operator : VA/SY
 Sample : N1914-04
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Mar 16 17:15:17 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)

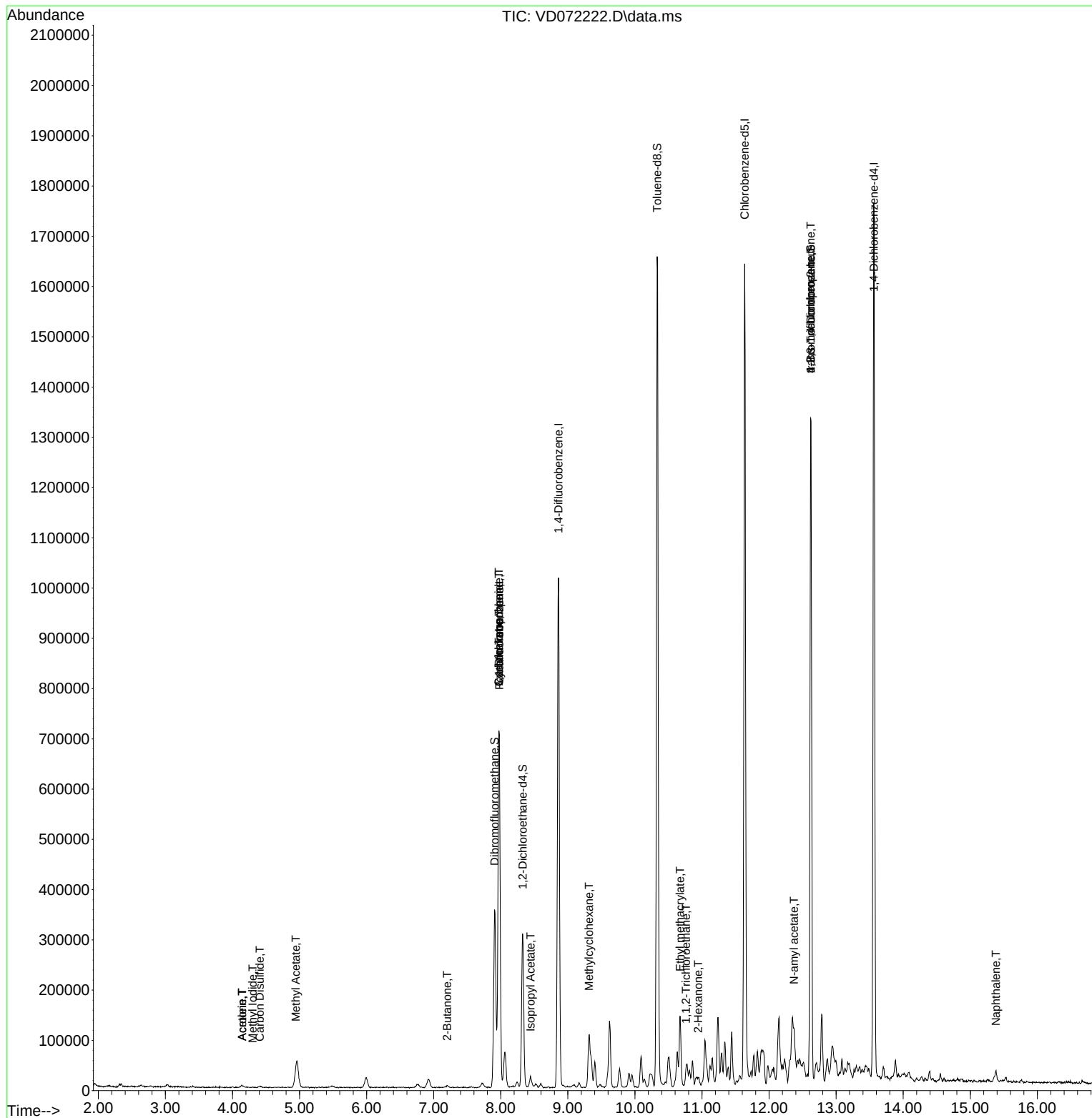
Internal Standards						
1) Pentafluorobenzene	7.979	168	533810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	877330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	937675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	461336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244605	41.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.240%		
35) Dibromofluoromethane	7.908	113	257911	41.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.540%		
50) Toluene-d8	10.332	98	1105414	48.967	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.620	95	470382	53.626	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.260%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	703	2.350	ug/l #	53
13) Acrolein	4.144	56	561	1.823	ug/l #	68
16) Acetone	4.144	43	2227	1.724	ug/l #	78
17) Carbon Disulfide	4.408	76	5773	1.990	ug/l #	74
18) Methyl Acetate	4.944	43	11804	3.729	ug/l #	55
20) Methylene Chloride	4.973	84	36756	Below Cal	#	76
25) 2-Butanone	7.202	43	1975	1.147	ug/l #	52
31) Cyclohexane	7.973	56	12062	1.298	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	42837	4.946	ug/l #	52
38) Carbon Tetrachloride	7.973	117	54759	5.562	ug/l #	17
39) Methylcyclohexane	9.314	83	22223	2.280	ug/l #	36
43) Isopropyl Acetate	8.444	43	12055	1.637	ug/l #	54
55) 1,1,2-Trichloroethane	10.761	97	13778	2.713	ug/l #	18
56) Ethyl methacrylate	10.673	69	13088	2.201	ug/l #	14
59) 2-Hexanone	10.943	43	7779	2.912	ug/l #	30
74) N-amyl acetate	12.373	43	34790	4.428	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	232977	45.781	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	232977	113.587	ug/l #	7
95) Naphthalene	15.384	128	17871	1.041	ug/l	99

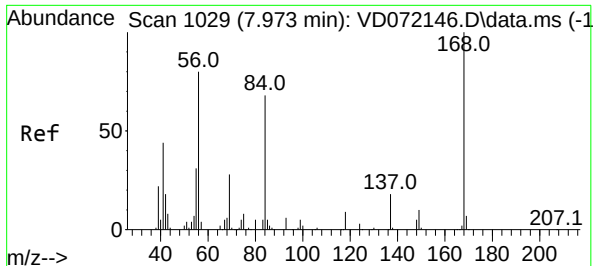
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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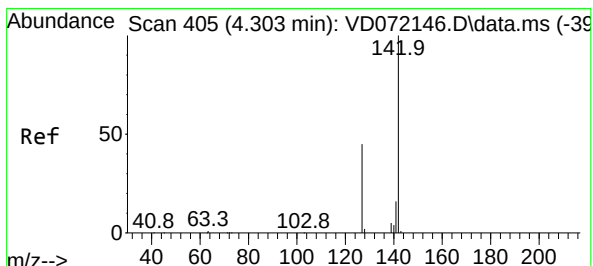
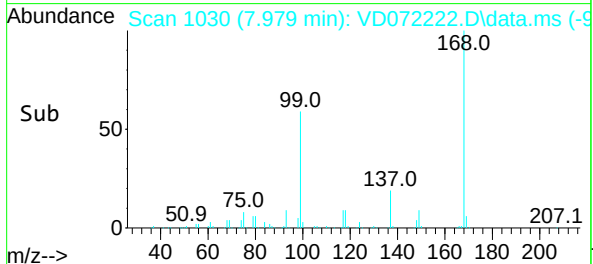
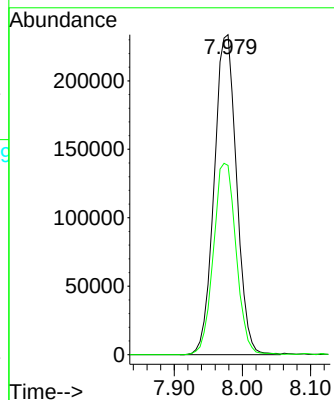
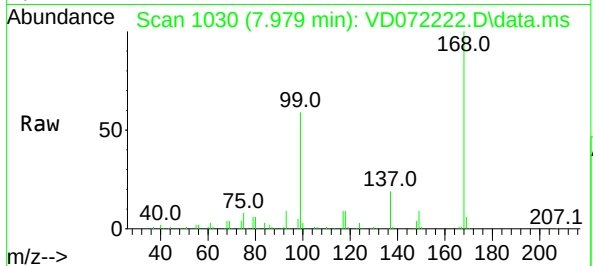




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

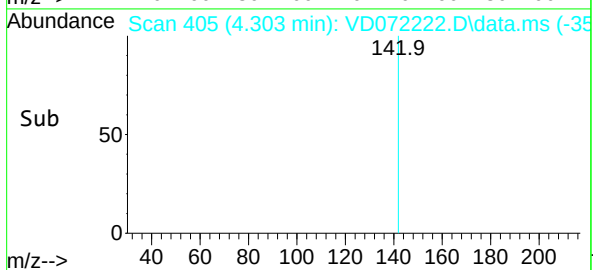
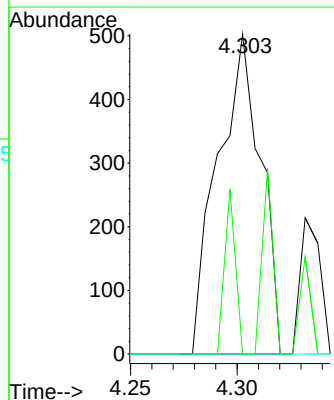
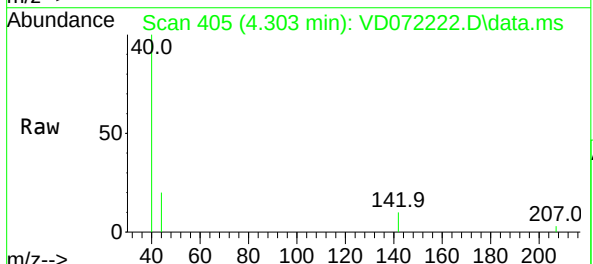
Instrument :
MSVOA_D
ClientSampleId :
TP-2

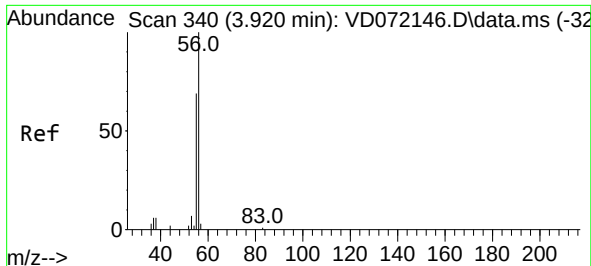
Tgt Ion:168 Resp: 533810
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#10
Methyl Iodide
Concen: 2.350 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion:142 Resp: 703
Ion Ratio Lower Upper
142 100
127 12.9 37.3 55.9#
141 0.0 11.7 17.5#





#13

Acrolein

Concen: 1.823 ug/l

RT: 4.144 min Scan# 378

Delta R.T. 0.223 min

Lab File: VD072222.D

Acq: 16 Mar 2022 17:02

Instrument :

MSVOA_D

ClientSampleId :

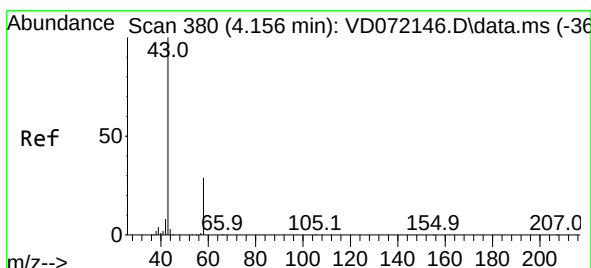
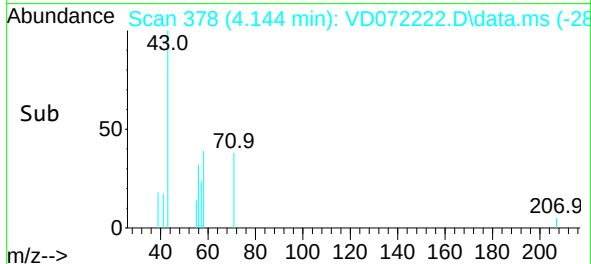
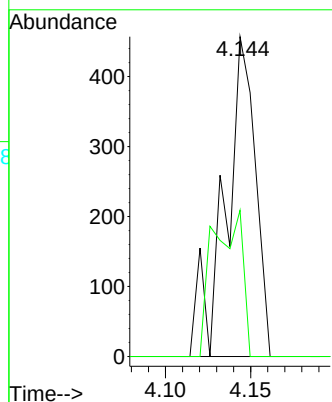
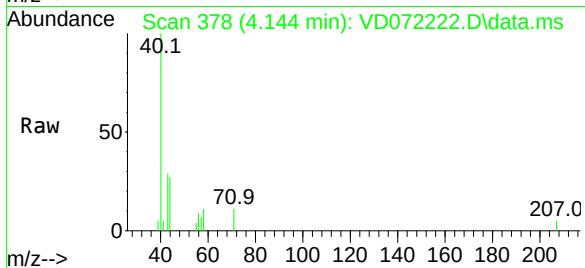
TP-2

Tgt Ion: 56 Resp: 561

Ion Ratio Lower Upper

56 100

55 44.9 57.1 85.7#



#16

Acetone

Concen: 1.724 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.012 min

Lab File: VD072222.D

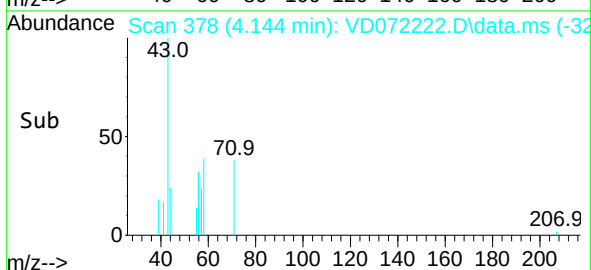
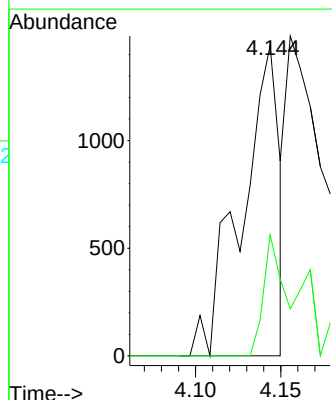
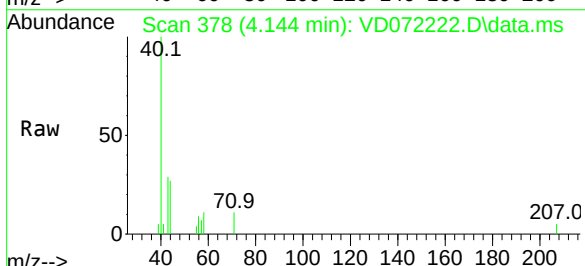
Acq: 16 Mar 2022 17:02

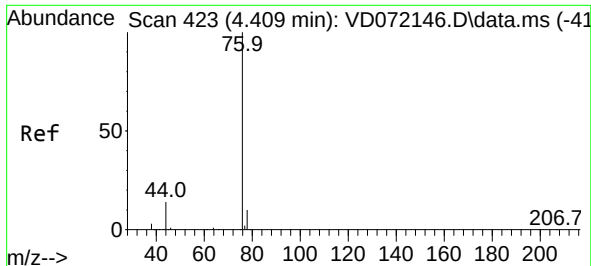
Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

43 100

58 39.0 22.1 33.1#

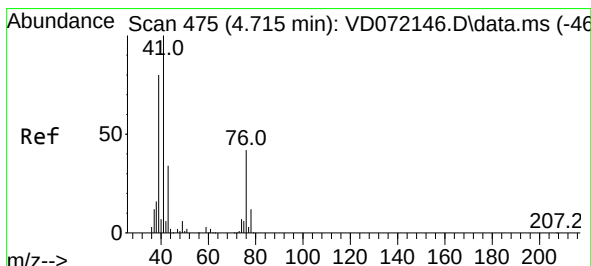
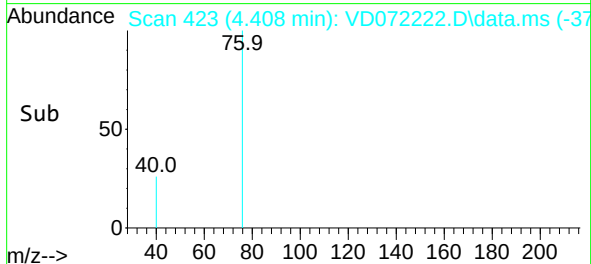
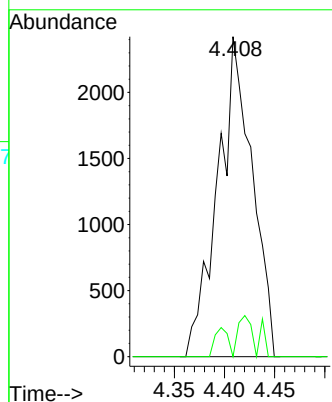
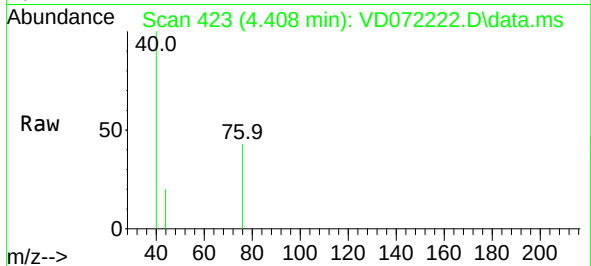




#17
Carbon Disulfide
Concen: 1.990 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

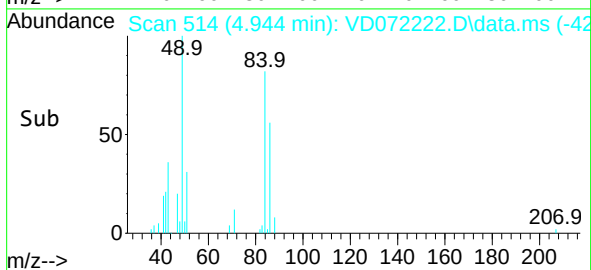
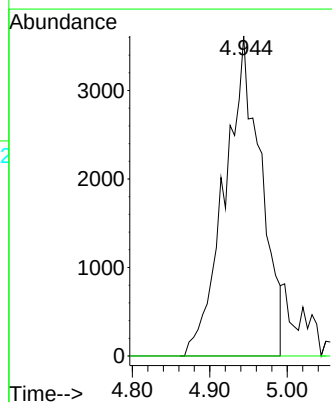
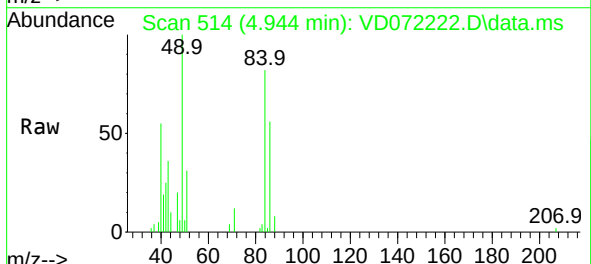
Instrument :
MSVOA_D
ClientSampleId :
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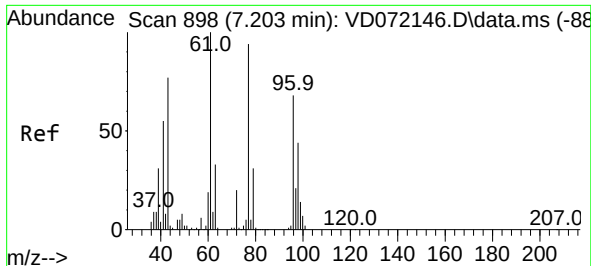
Tgt Ion: 76 Resp: 5773
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 3.729 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 43 Resp: 11804
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

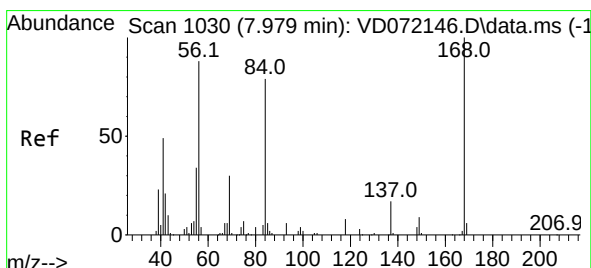
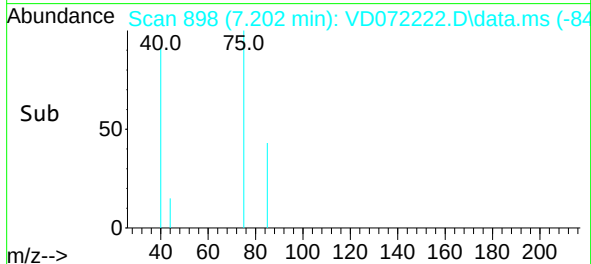
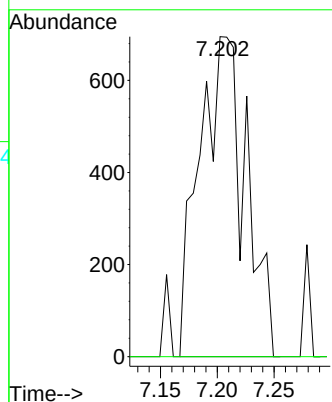
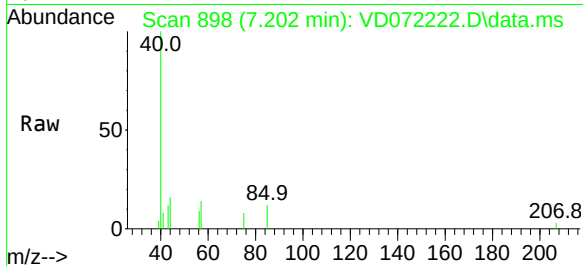




#25
2-Butanone
Concen: 1.147 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

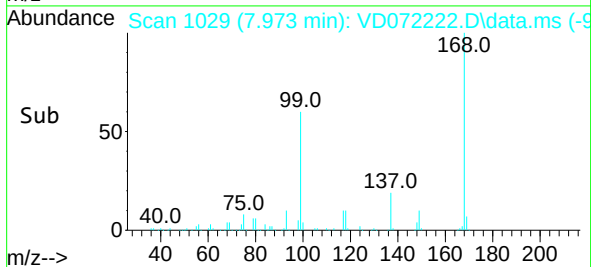
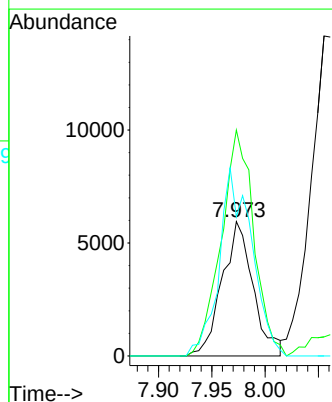
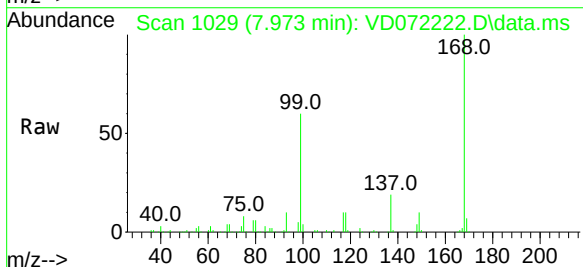
Instrument :
MSVOA_D
ClientSampleId :
TP-2

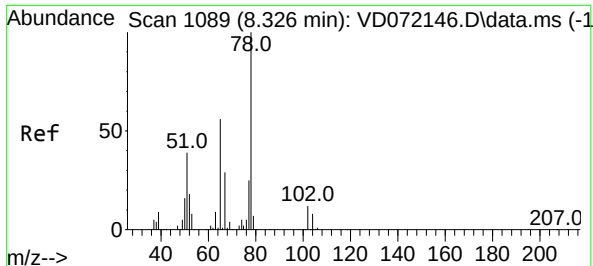
Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 56 Resp: 12062
Ion Ratio Lower Upper
56 100
69 168.2 25.4 38.2#
84 103.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 41.117 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072222.D

Acq: 16 Mar 2022 17:02

Instrument :

MSVOA_D

ClientSampleId :

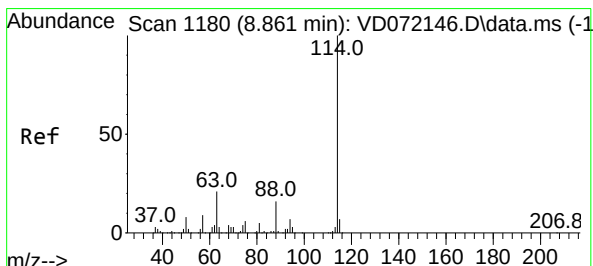
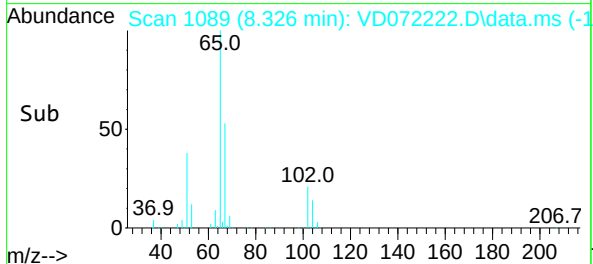
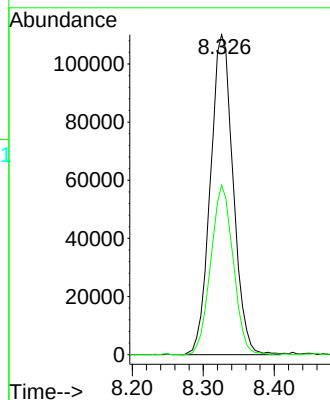
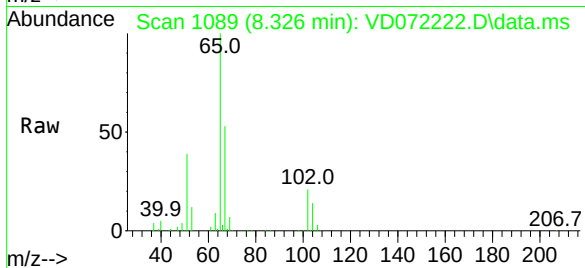
TP-2

Tgt Ion: 65 Resp: 244605

Ion Ratio Lower Upper

65 100

67 52.1 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: VD072222.D

Acq: 16 Mar 2022 17:02

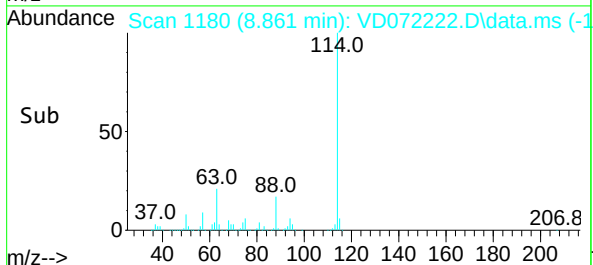
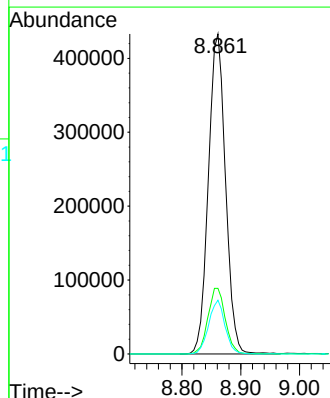
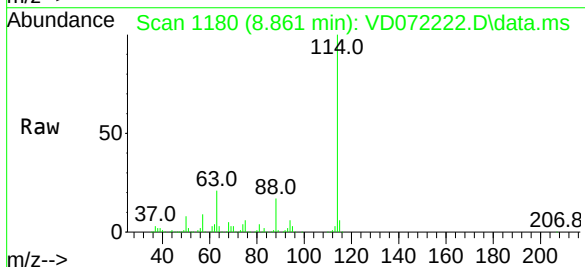
Tgt Ion: 114 Resp: 877330

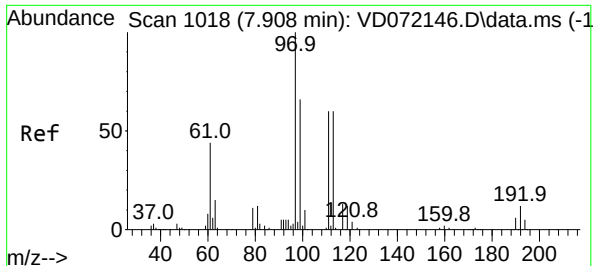
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.8 0.0 33.2

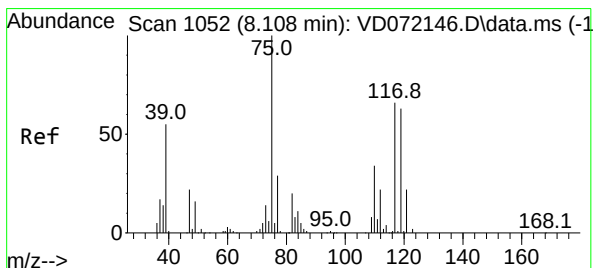
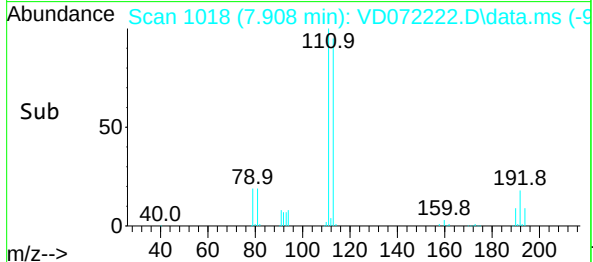
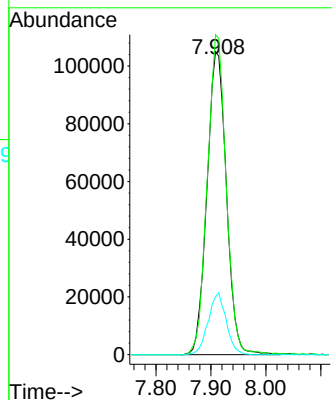
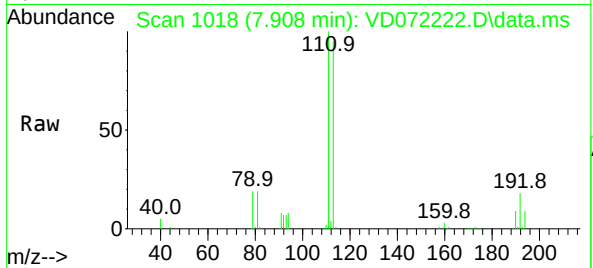




#35
Dibromofluoromethane
Concen: 41.775 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

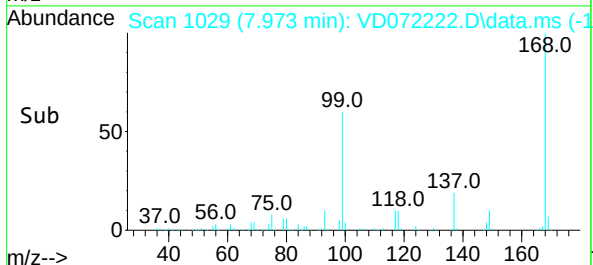
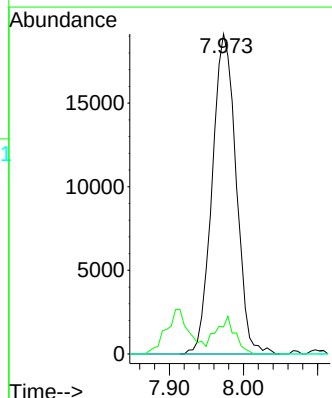
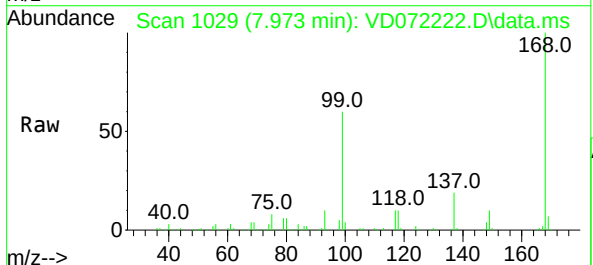
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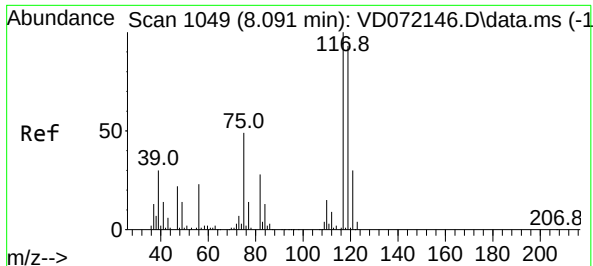
Tgt Ion:113 Resp: 257911
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 18.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 75 Resp: 42837
Ion Ratio Lower Upper
75 100
110 9.4 16.4 49.1#
77 0.0 24.2 36.2#

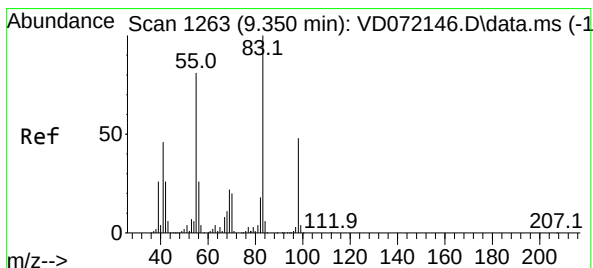
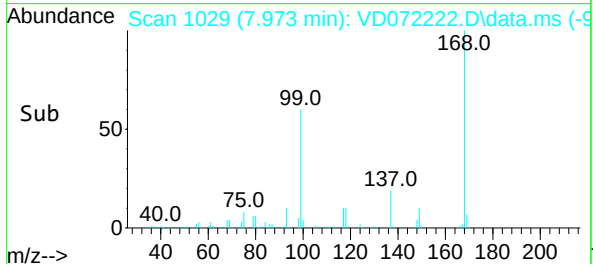
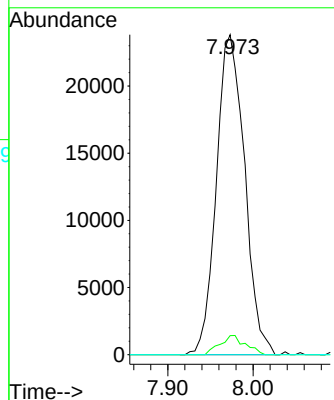
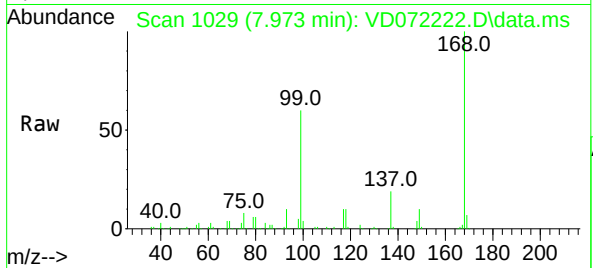




#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.973 min Scan# 117
Delta R.T. -0.118 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

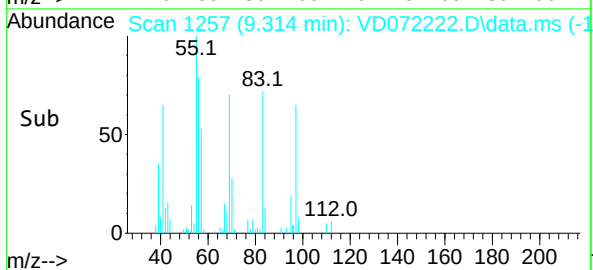
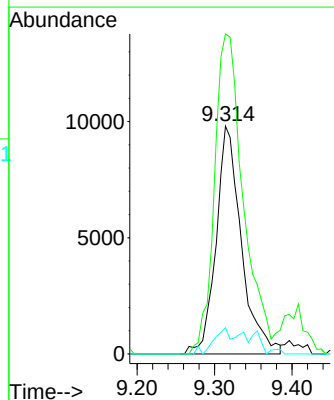
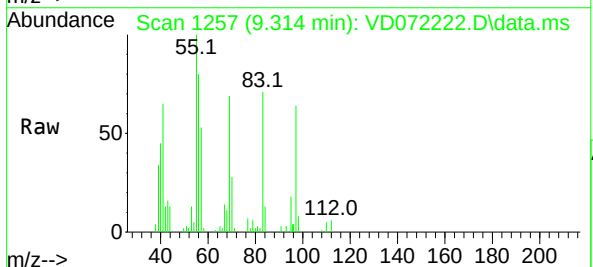
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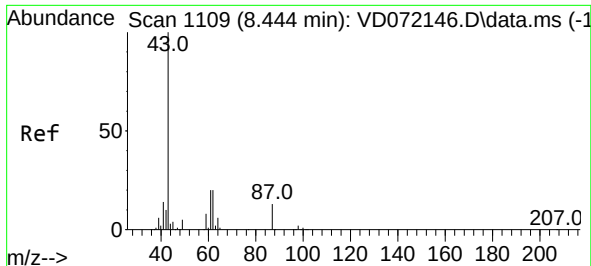
Tgt Ion:117 Resp: 54759
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.280 ug/l
RT: 9.314 min Scan# 1257
Delta R.T. -0.035 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 83 Resp: 22223
Ion Ratio Lower Upper
83 100
55 140.4 63.2 94.8#
98 11.5 38.2 57.4#

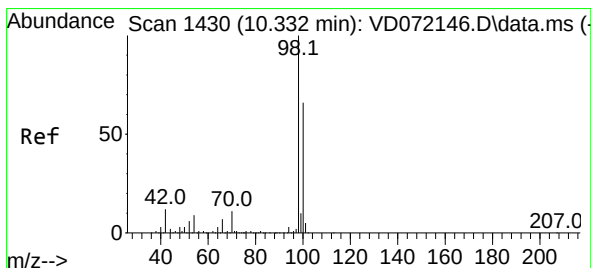
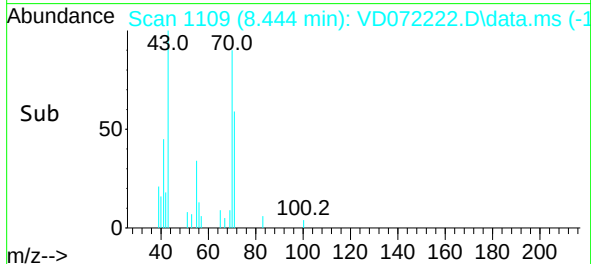
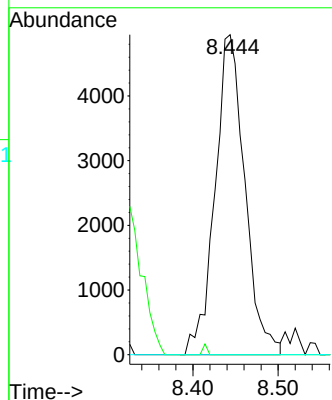
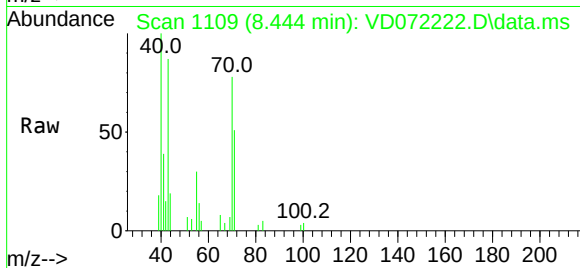




#43
Isopropyl Acetate
Concen: 1.637 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

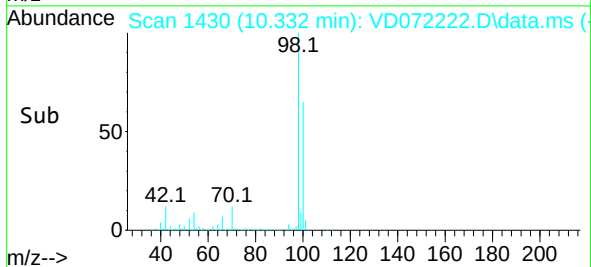
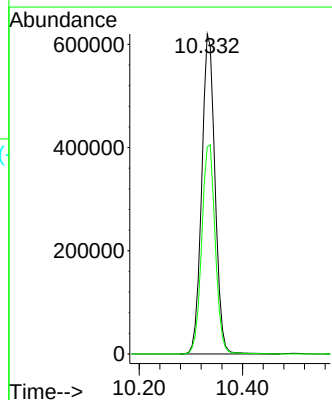
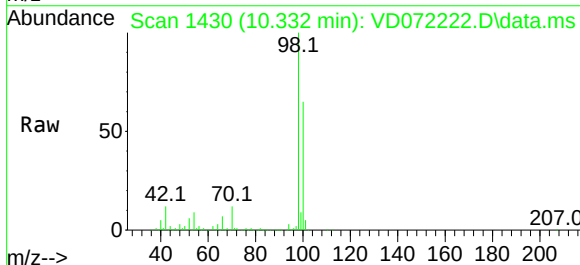
Instrument :
MSVOA_D
ClientSampleId :
TP-2

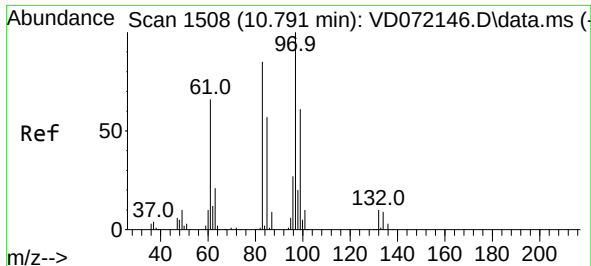
Tgt Ion: 43 Resp: 12055
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#50
Toluene-d8
Concen: 48.967 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 98 Resp: 1105414
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

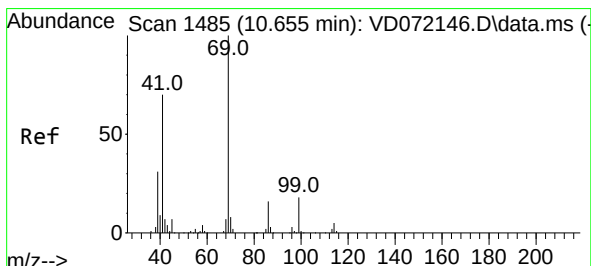
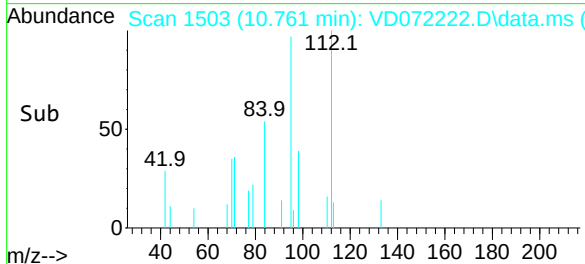
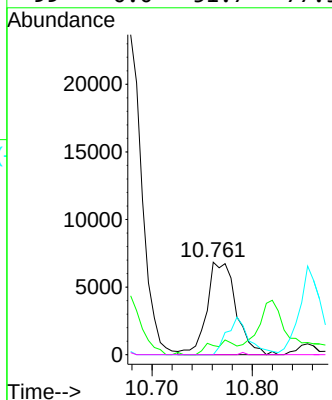
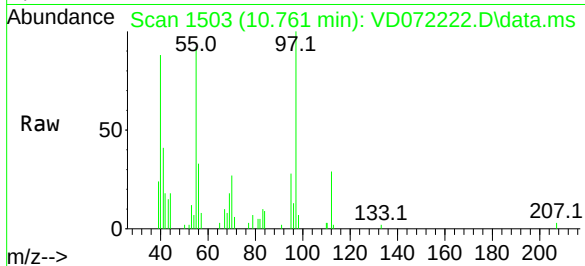




#55
1,1,2-Trichloroethane
Concen: 2.713 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

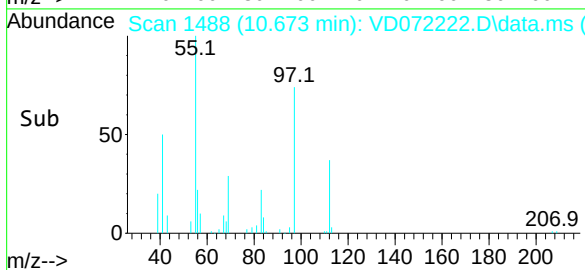
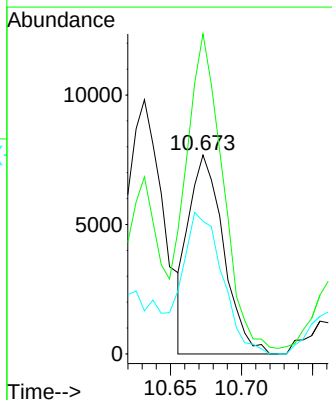
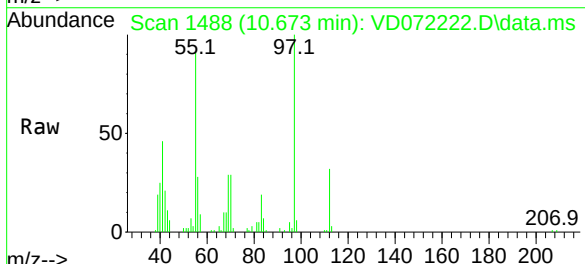
Instrument :
MSVOA_D
ClientSampleId :
TP-2

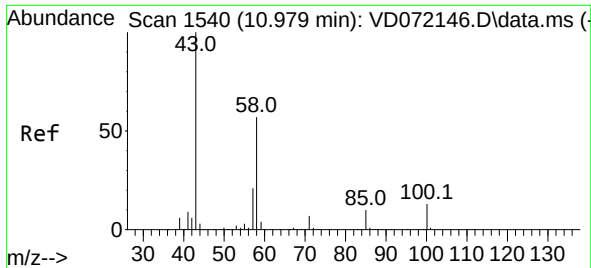
Tgt Ion: 97	Resp: 13778
Ion Ratio	Lower Upper
97 100	
83 7.5	69.0 103.4#
85 0.0	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 2.201 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 69	Resp: 13088
Ion Ratio	Lower Upper
69 100	
41 164.1	63.0 94.6#
39 84.0	33.8 50.8#

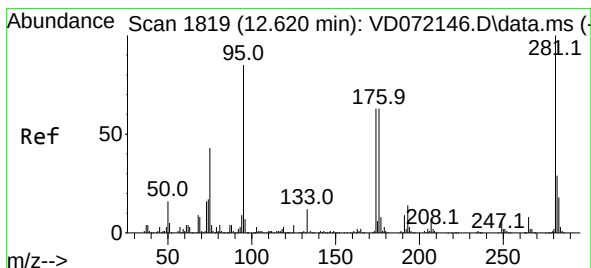
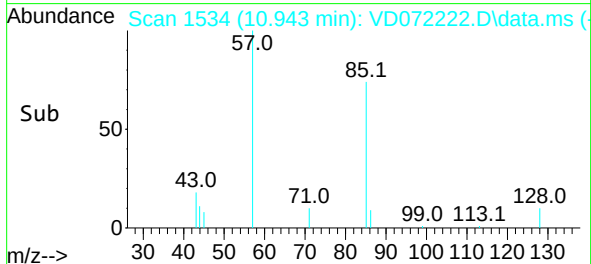
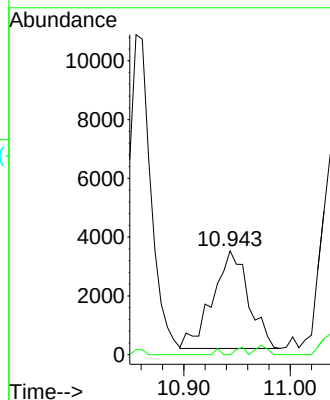
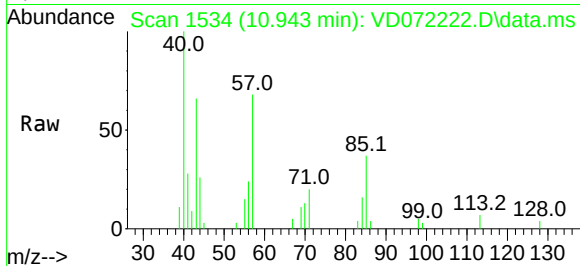




#59
2-Hexanone
Concen: 2.912 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

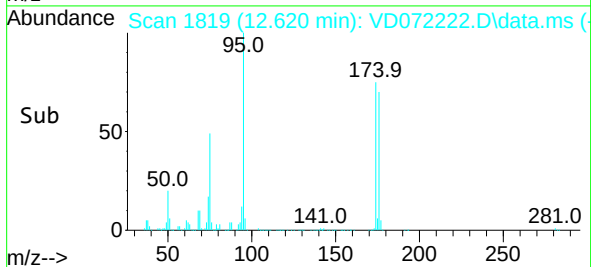
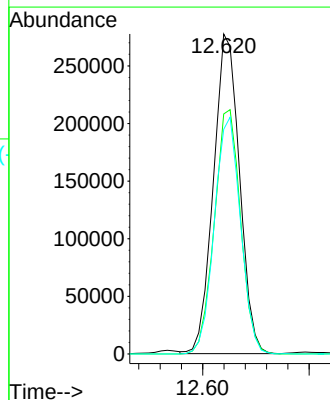
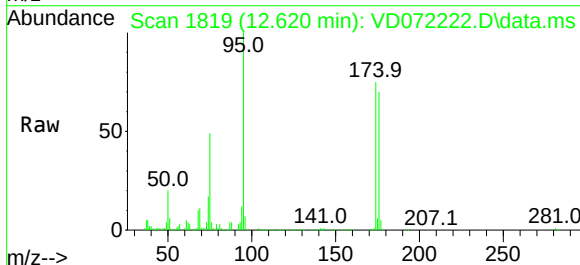
Instrument :
MSVOA_D
ClientSampleId :
TP-2

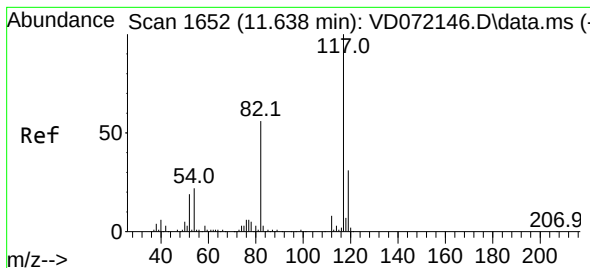
Tgt Ion: 43 Resp: 7779
Ion Ratio Lower Upper
43 100
58 1.9 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 53.626 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 95 Resp: 470382
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 74.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072222.D

Acq: 16 Mar 2022 17:02

Instrument :

MSVOA_D

ClientSampleId :

TP-2

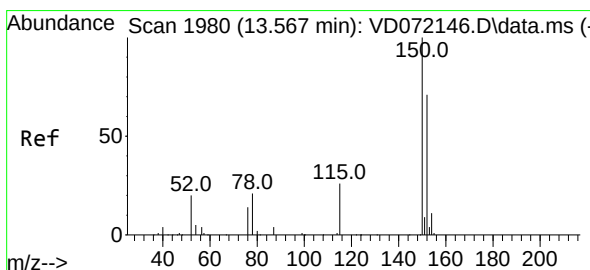
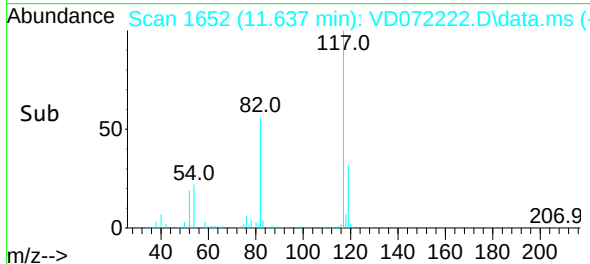
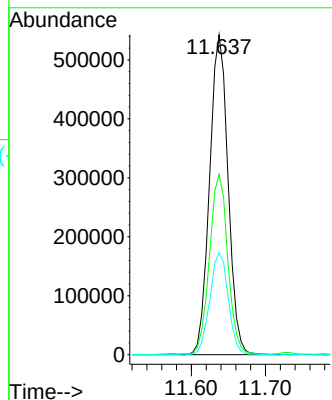
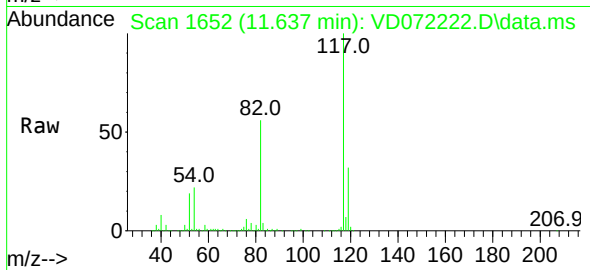
Tgt Ion:117 Resp: 937675

Ion Ratio Lower Upper

117 100

82 56.1 45.3 67.9

119 31.8 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: VD072222.D

Acq: 16 Mar 2022 17:02

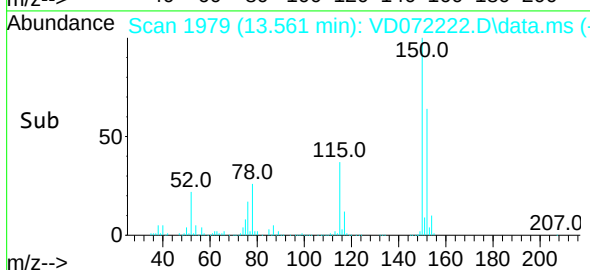
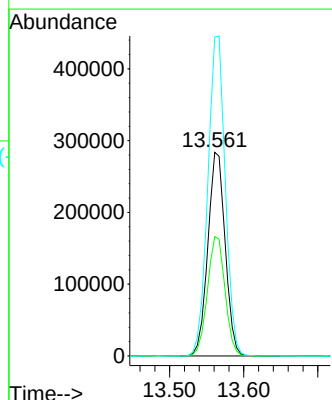
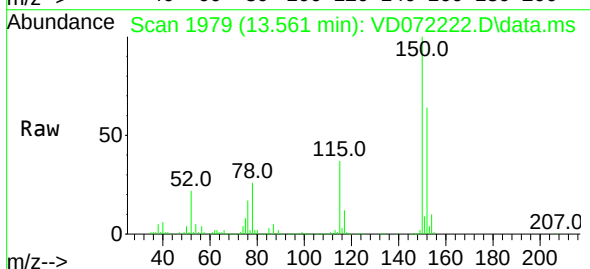
Tgt Ion:152 Resp: 461336

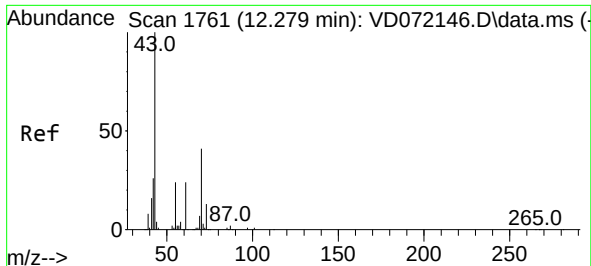
Ion Ratio Lower Upper

152 100

115 59.4 31.3 93.8

150 157.9 0.0 348.6

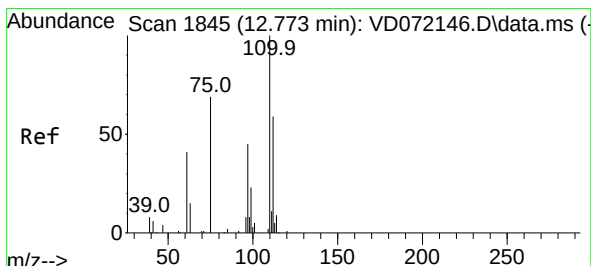
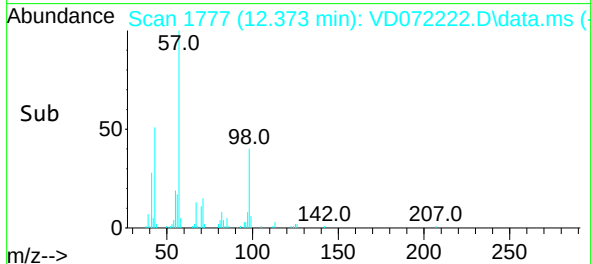
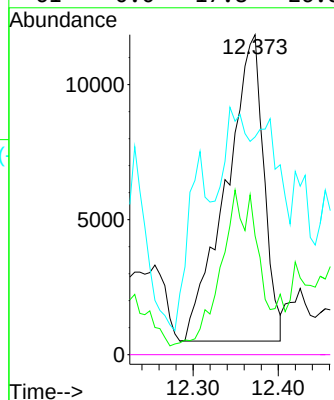
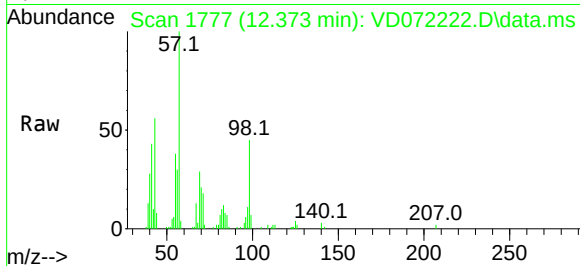




#74
N-amy1 acetate
Concen: 4.428 ug/l
RT: 12.373 min Scan# 11
Delta R.T. 0.094 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

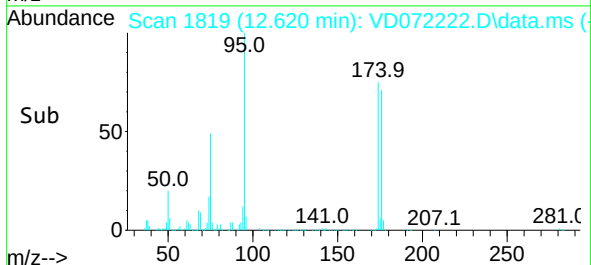
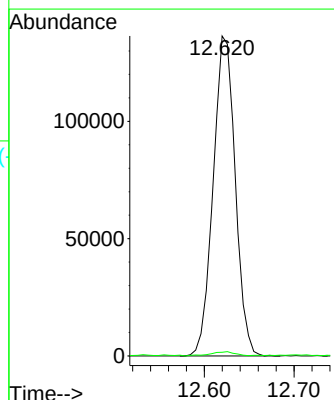
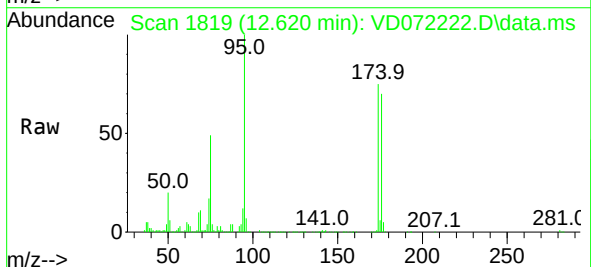
Instrument :
MSVOA_D
ClientSampleId :
TP-2

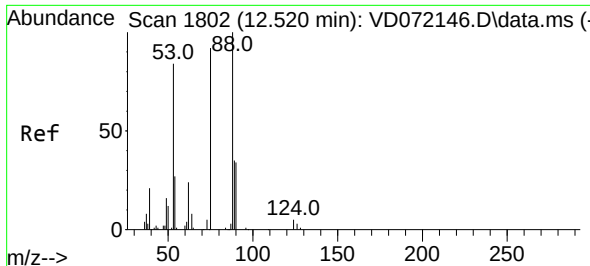
Tgt Ion: 43 Resp: 34790
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 45.781 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 75 Resp: 232977
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

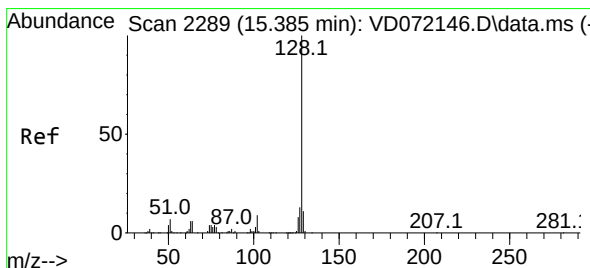
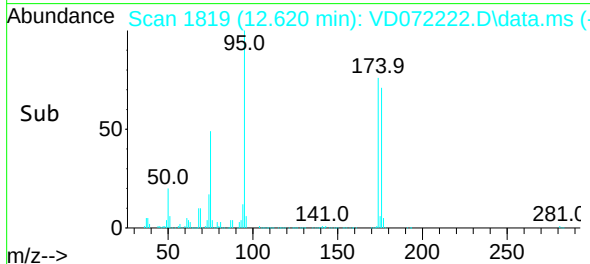
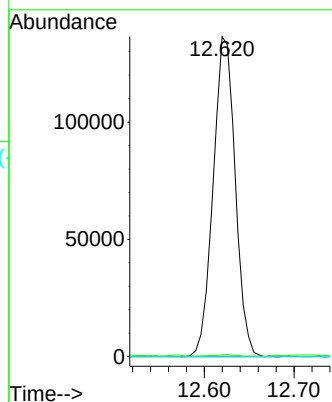
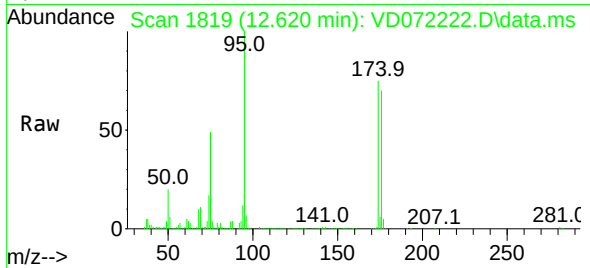




#81
trans-1,4-Dichloro-2-butene
Concen: 113.587 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 232977
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.041 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072222.D
Acq: 16 Mar 2022 17:02

Tgt Ion: 128 Resp: 17871
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.3 8.4 12.6

