

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073015.D
 Acq On : 14 May 2022 04:21
 Operator : VA/SY
 Sample : N2823-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-1

Quant Time: May 16 05:20:24 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)

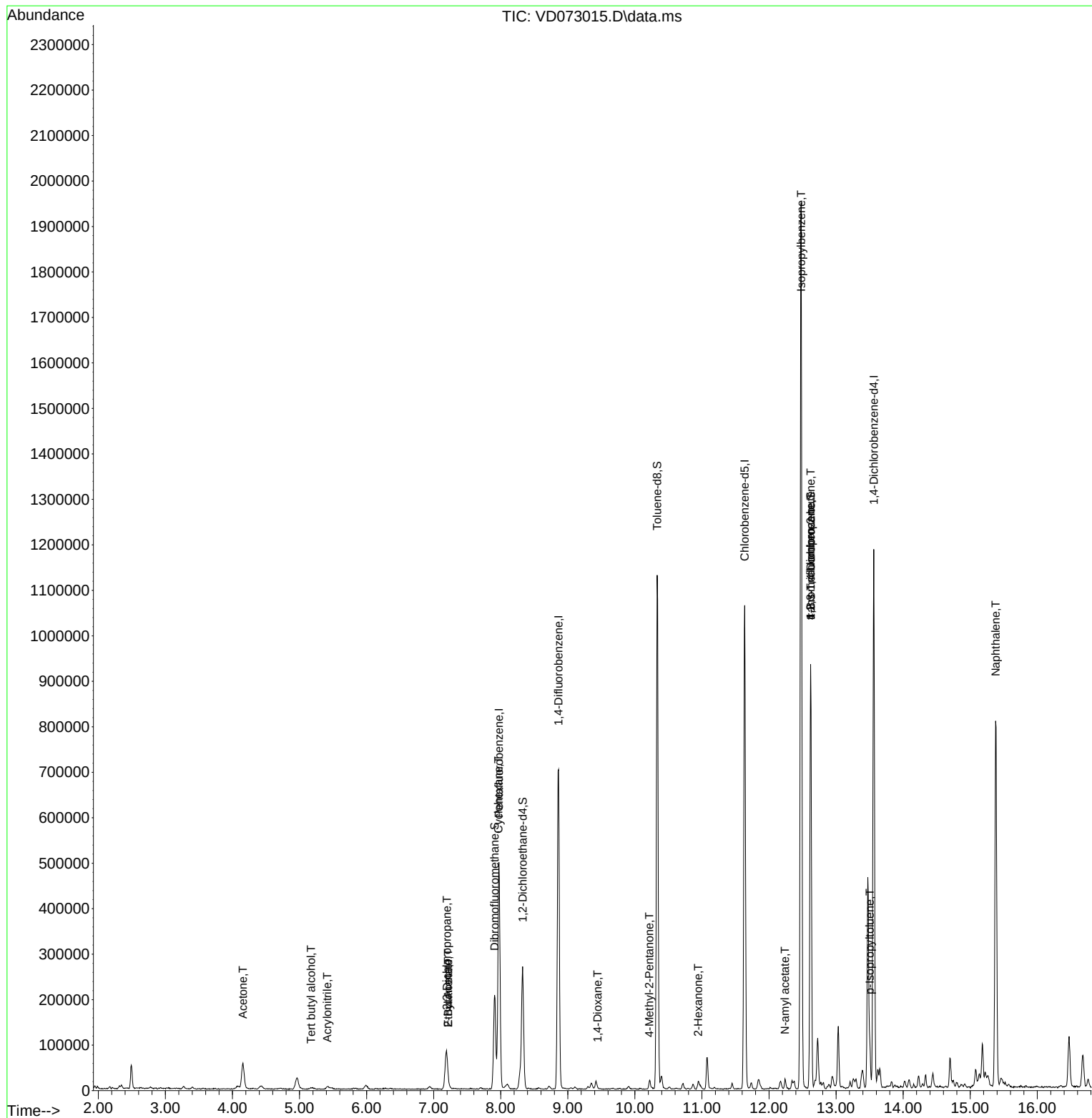
Internal Standards						
1) Pentafluorobenzene	7.973	168	354301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	619897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	307218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204106	44.380	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.760%		
35) Dibromofluoromethane	7.909	113	147212	33.731	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	67.460%		
50) Toluene-d8	10.332	98	754894	48.220	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.440%		
62) 4-Bromofluorobenzene	12.620	95	307781	52.726	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	1929	Below Cal	#	78
11) Tert butyl alcohol	5.173	59	3274	8.228	ug/l #	74
13) Acrolein	3.921	56	64	Below Cal	#	1
15) Acrylonitrile	5.415	53	6790	6.229	ug/l	93
16) Acetone	4.156	43	100263	108.587	ug/l	92
20) Methylene Chloride	4.950	84	19583	Below Cal	#	72
25) 2-Butanone	7.215	43	14690	10.962	ug/l	99
26) 2,2-Dichloropropane	7.197	77	7826	1.016	ug/l #	65
31) Cyclohexane	7.967	56	12043	1.498	ug/l #	28
37) Ethyl Acetate	7.215	43	14690	4.503	ug/l #	53
49) 1,4-Dioxane	9.444	88	66	1.974	ug/l #	21
51) 4-Methyl-2-Pentanone	10.214	43	13470	4.305	ug/l	99
59) 2-Hexanone	10.944	43	17750	8.431	ug/l #	27
73) Isopropylbenzene	12.479	105	90781	3.798	ug/l #	70
74) N-amyl acetate	12.238	43	13070	2.196	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	160504	46.853	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	160504	107.743	ug/l #	7
86) p-Isopropyltoluene	13.502	119	57119	2.681	ug/l #	72
95) Naphthalene	15.379	128	708293	65.277	ug/l	99

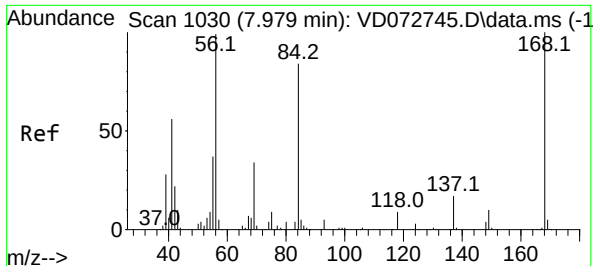
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
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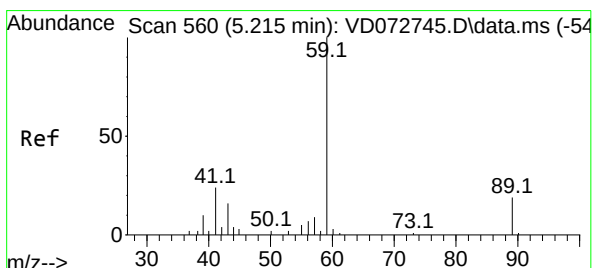
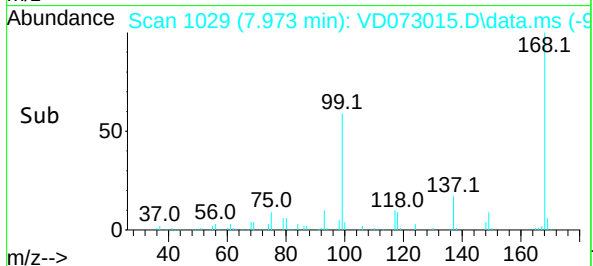
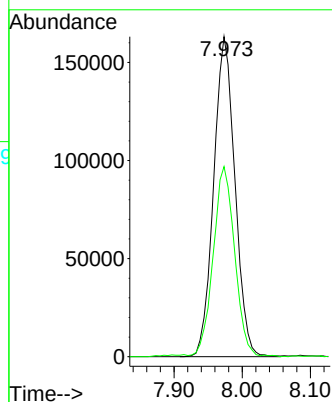
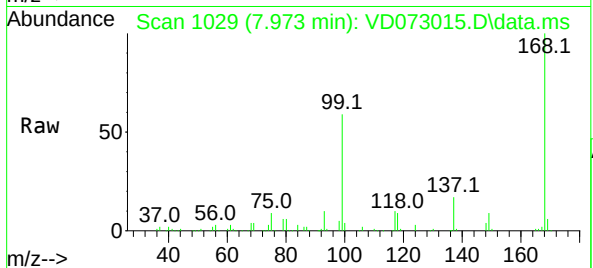




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

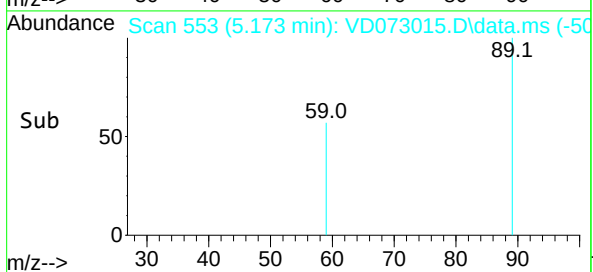
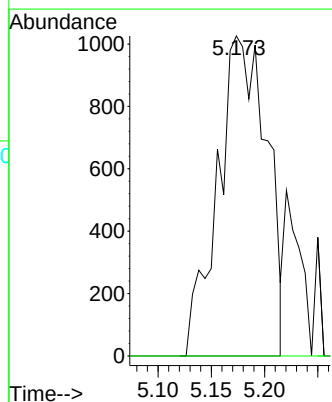
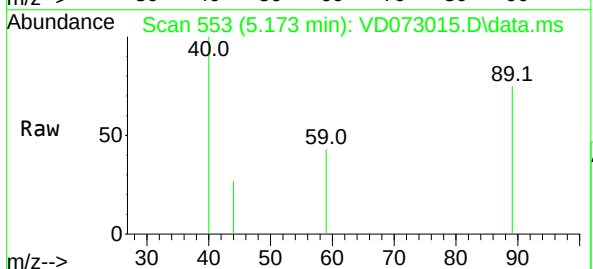
Instrument :
MSVOA_D
ClientSampleId :
SC-1

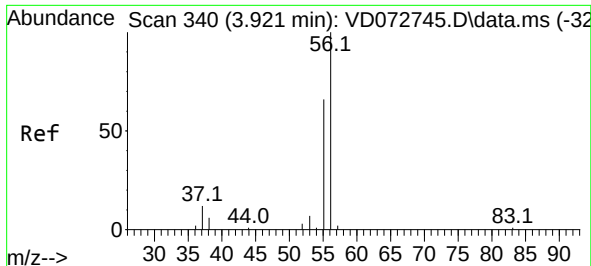
Tgt Ion:168 Resp: 354301
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#11
Tert butyl alcohol
Concen: 8.228 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

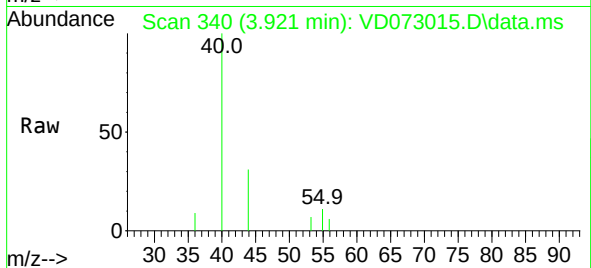
Tgt Ion: 59 Resp: 3274
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



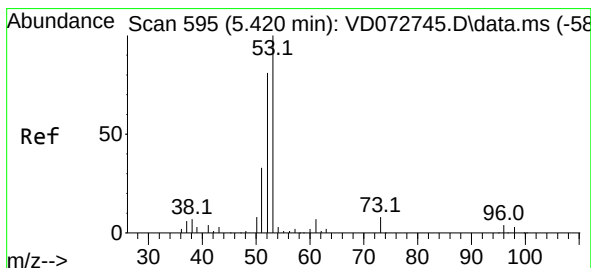
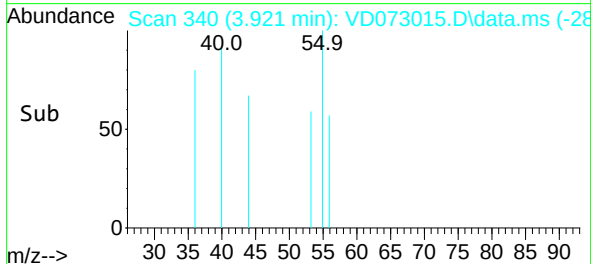
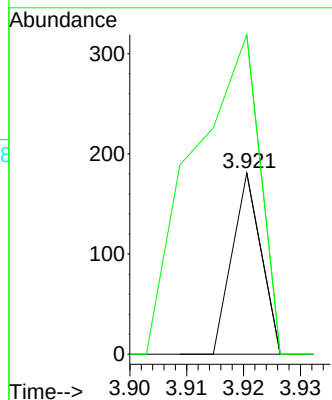


#13
Acrolein
Concen: Below Cal
RT: 3.921 min Scan# 34
Delta R.T. -0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Instrument :
MSVOA_D
ClientSampleId :
SC-1

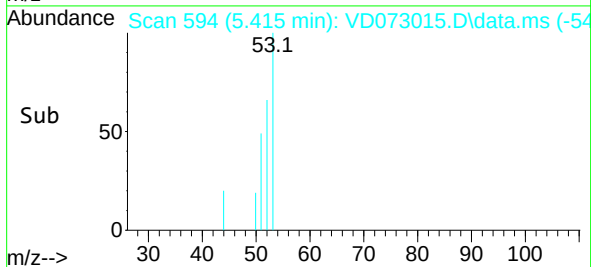
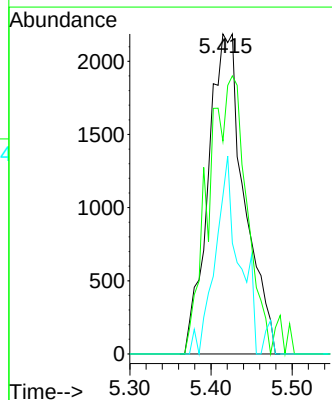
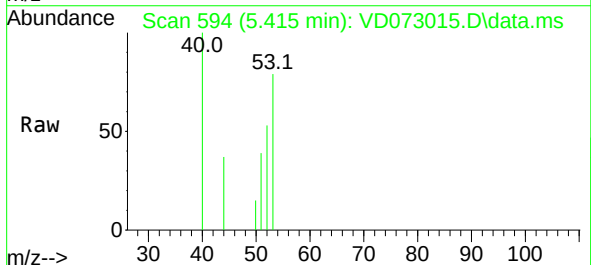


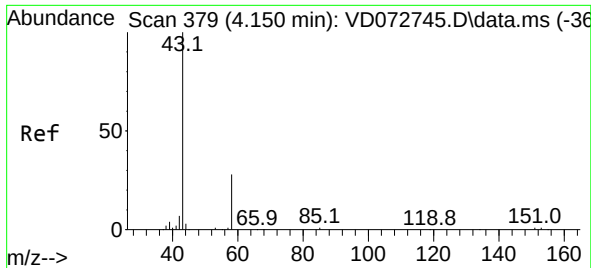
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 404.7 57.1 85.7#



#15
Acrylonitrile
Concen: 6.229 ug/l
RT: 5.415 min Scan# 594
Delta R.T. -0.005 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 53 Resp: 6790
Ion Ratio Lower Upper
53 100
52 91.7 67.2 100.8
51 40.3 30.3 45.5

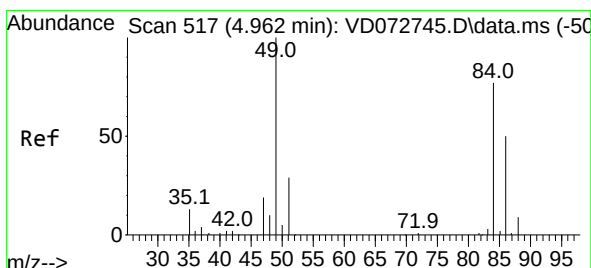
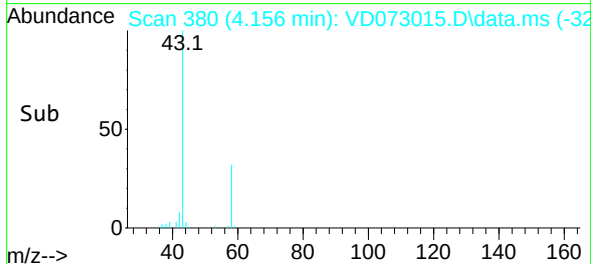
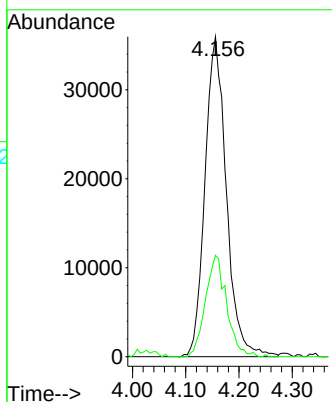
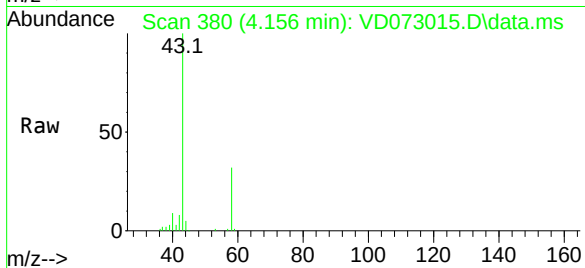




#16
Acetone
Concen: 108.587 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

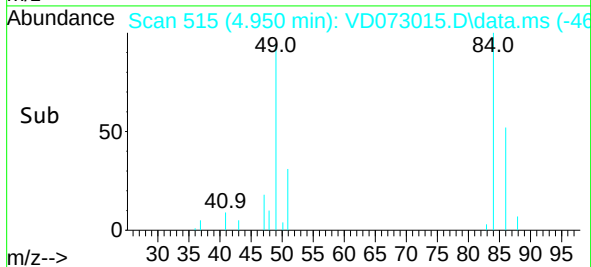
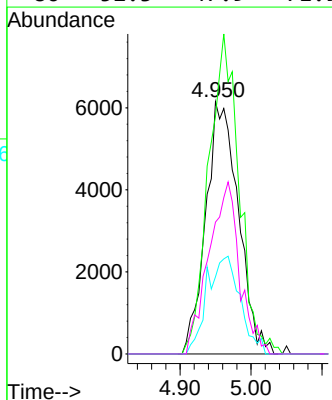
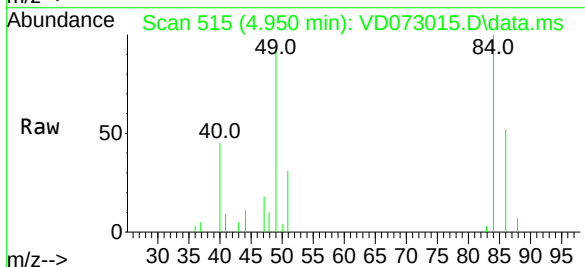
Instrument :
MSVOA_D
ClientSampleId :
SC-1

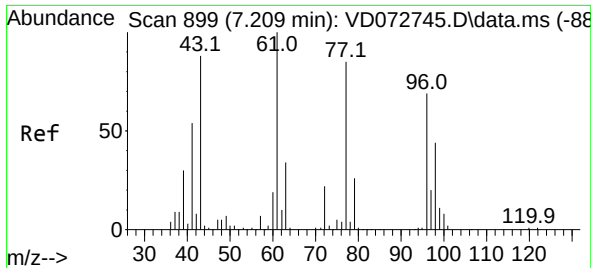
Tgt Ion: 43 Resp: 100263
Ion Ratio Lower Upper
43 100
58 31.7 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 84 Resp: 19583
Ion Ratio Lower Upper
84 100
49 94.2 112.8 169.2#
51 30.6 32.6 48.8#
86 52.3 47.9 71.9

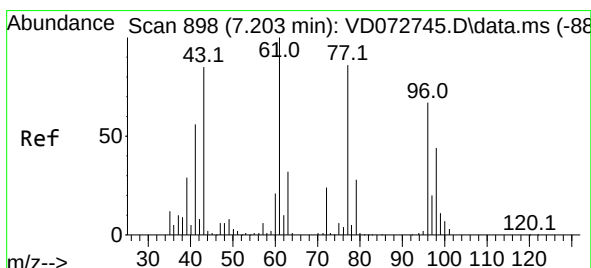
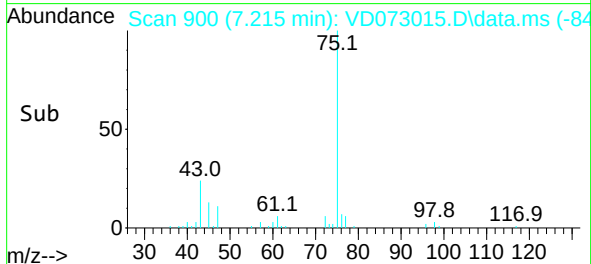
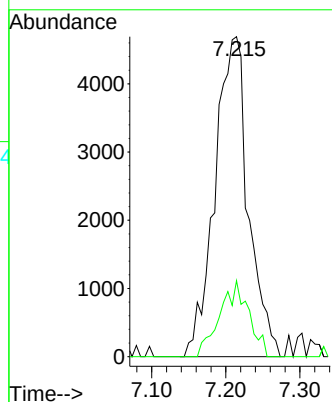
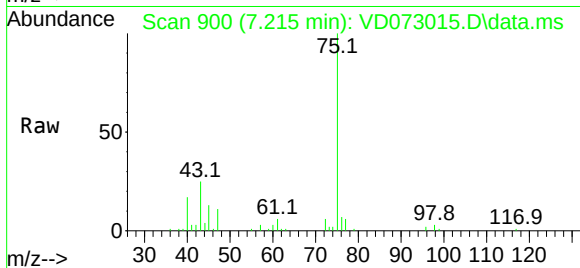




#25
2-Butanone
Concen: 10.962 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

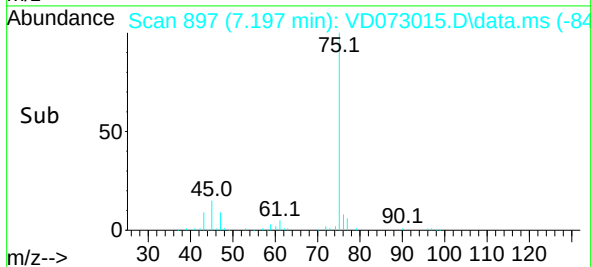
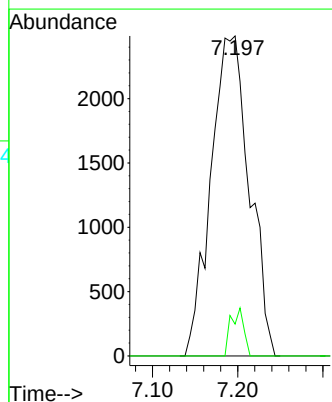
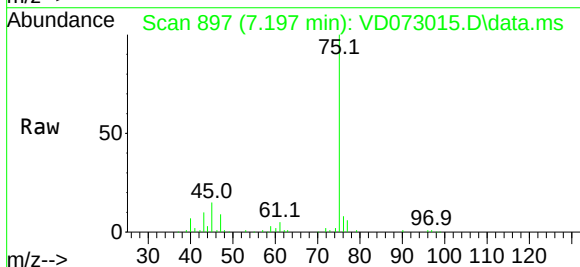
Instrument :
MSVOA_D
ClientSampleId :
SC-1

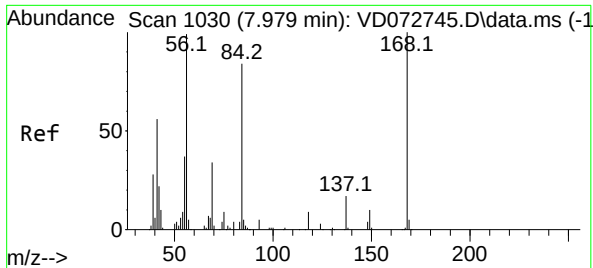
Tgt Ion: 43 Resp: 14690
Ion Ratio Lower Upper
43 100
72 23.7 18.6 27.8



#26
2,2-Dichloropropane
Concen: 1.016 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 77 Resp: 7826
Ion Ratio Lower Upper
77 100
97 5.0 10.8 32.4#

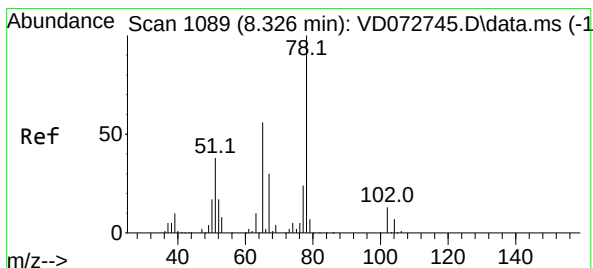
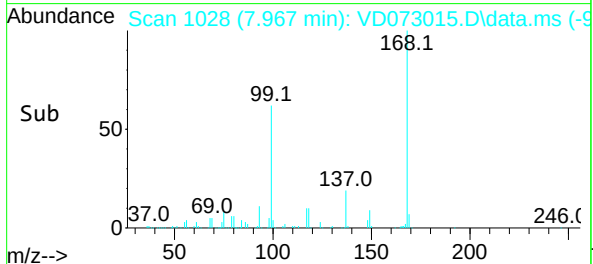
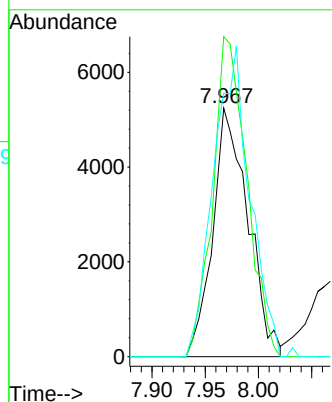
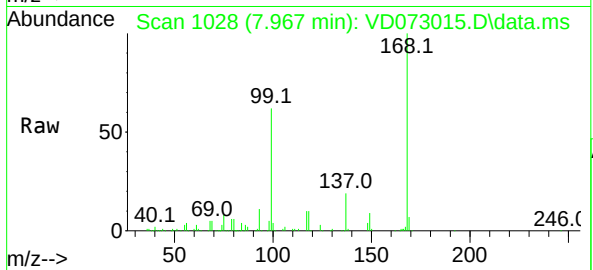




#31
Cyclohexane
Concen: 1.498 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

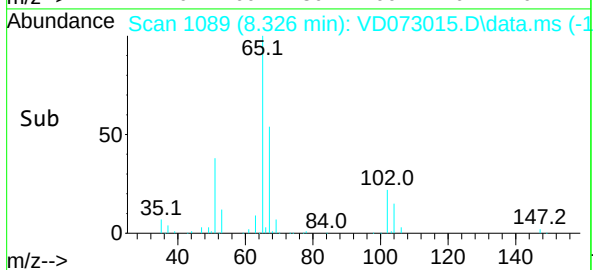
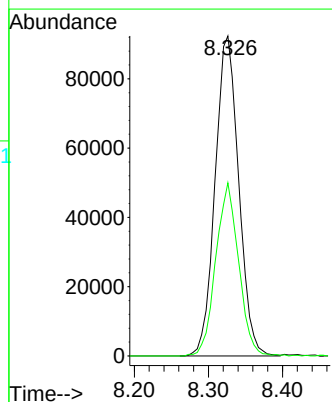
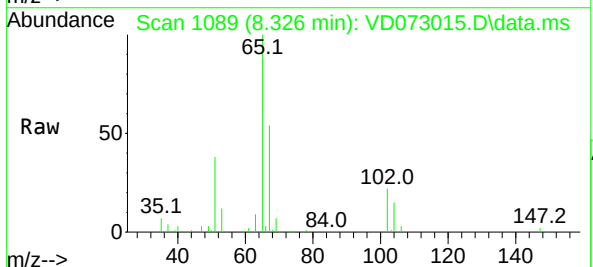
Instrument :
MSVOA_D
ClientSampleId :
SC-1

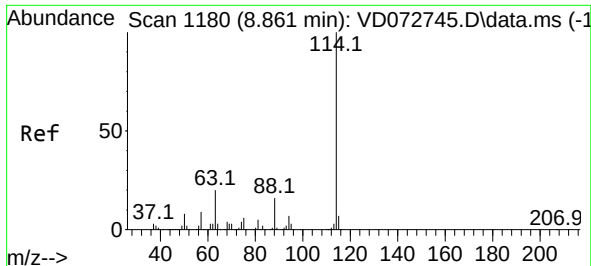
Tgt Ion: 56 Resp: 12043
Ion Ratio Lower Upper
56 100
69 128.8 25.4 38.2#
84 106.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 44.380 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 65 Resp: 204106
Ion Ratio Lower Upper
65 100
67 52.5 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: VD073015.D

Acq: 14 May 2022 04:21

Instrument :

MSVOA_D

ClientSampleId :

SC-1

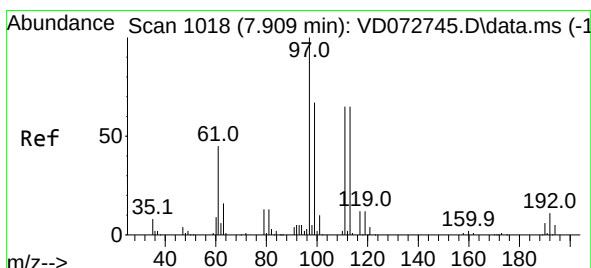
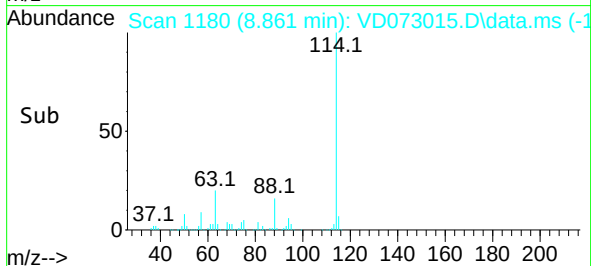
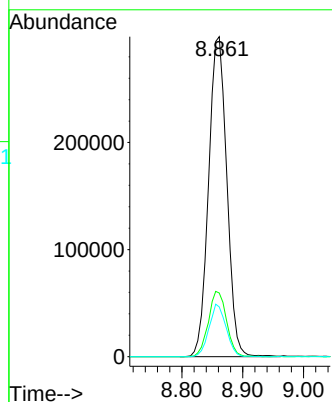
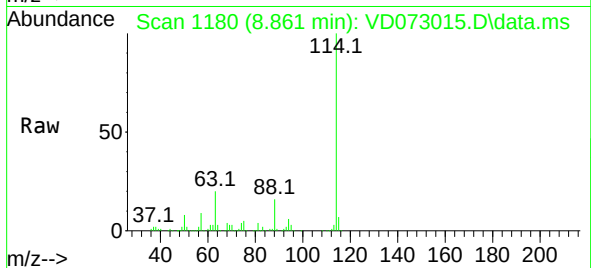
Tgt Ion:114 Resp: 621415

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 33.731 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073015.D

Acq: 14 May 2022 04:21

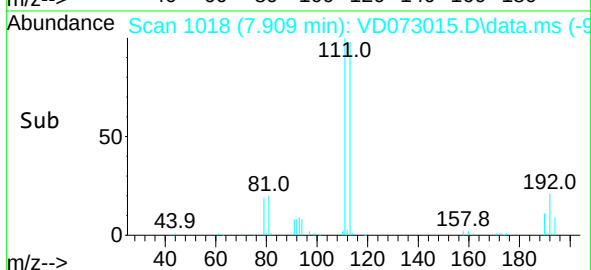
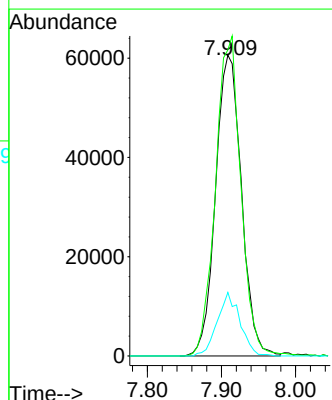
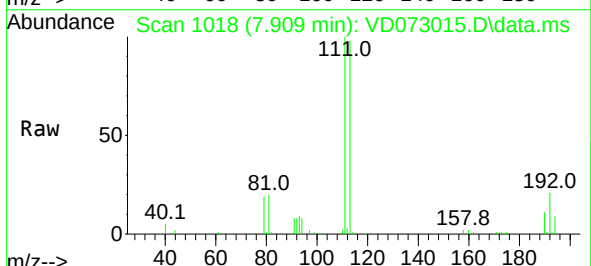
Tgt Ion:113 Resp: 147212

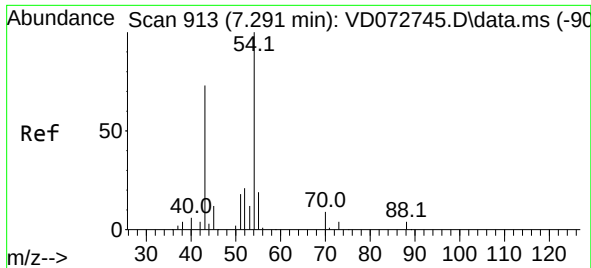
Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 18.6 14.6 21.8





#37

Ethyl Acetate

Concen: 4.503 ug/l

RT: 7.215 min Scan# 90

Delta R.T. -0.077 min

Lab File: VD073015.D

Acq: 14 May 2022 04:21

Instrument :

MSVOA_D

ClientSampleId :

SC-1

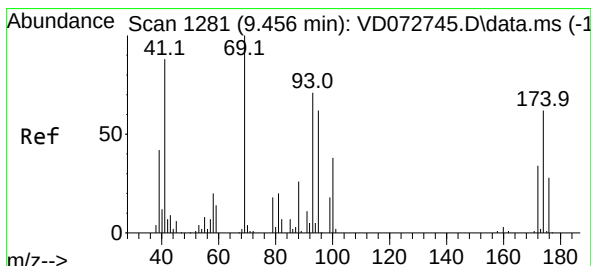
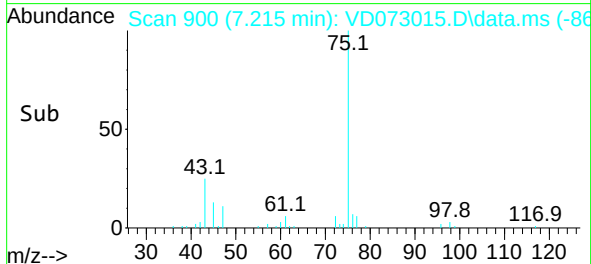
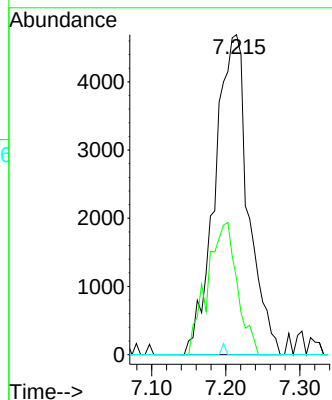
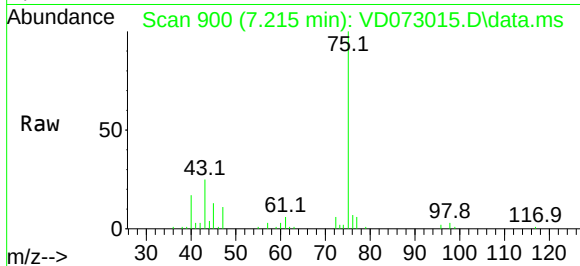
Tgt Ion: 43 Resp: 14690

Ion Ratio Lower Upper

43 100

61 37.1 9.8 14.8#

70 0.4 6.9 10.3#



#49

1,4-Dioxane

Concen: 1.974 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.012 min

Lab File: VD073015.D

Acq: 14 May 2022 04:21

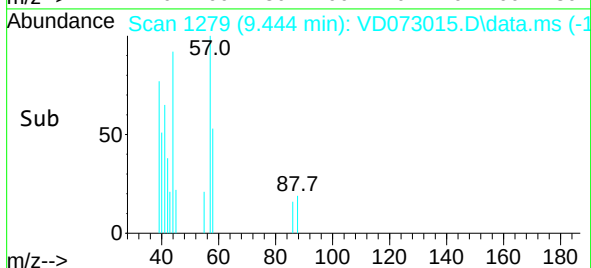
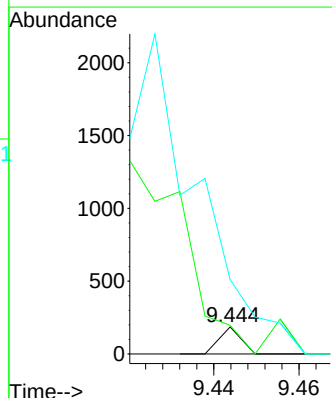
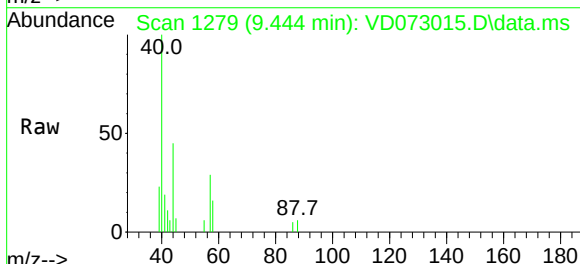
Tgt Ion: 88 Resp: 66

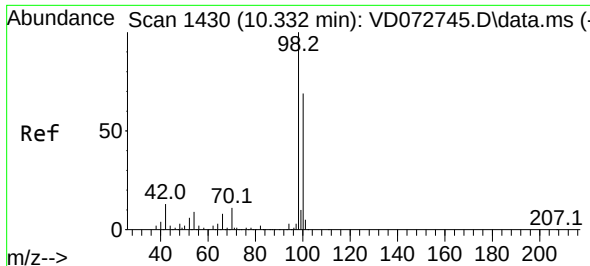
Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#

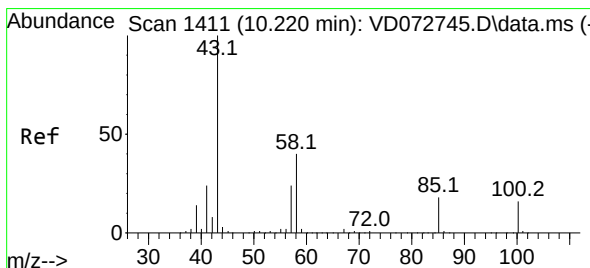
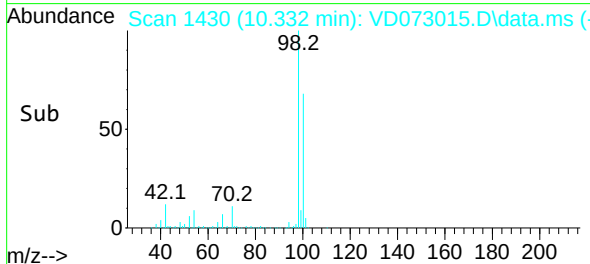
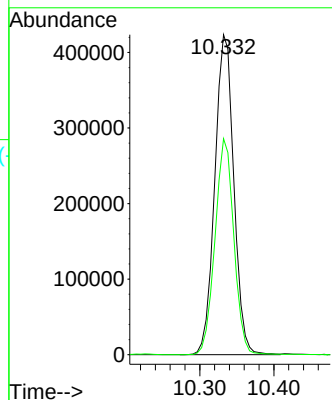
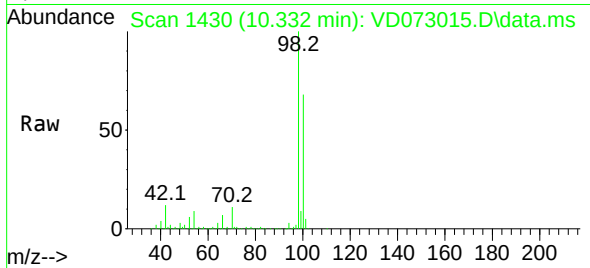




#50
Toluene-d8
Concen: 48.220 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

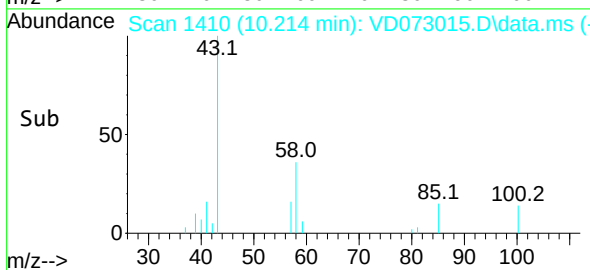
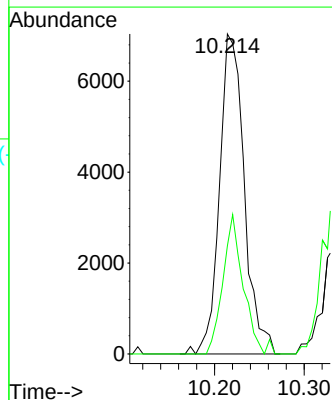
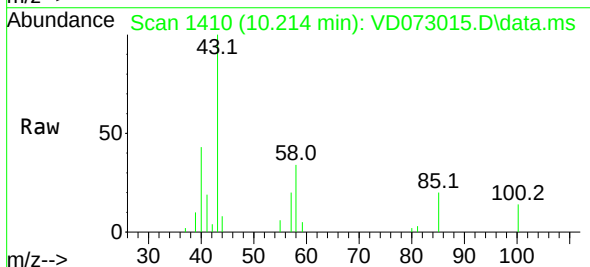
Instrument :
MSVOA_D
ClientSampleId :
SC-1

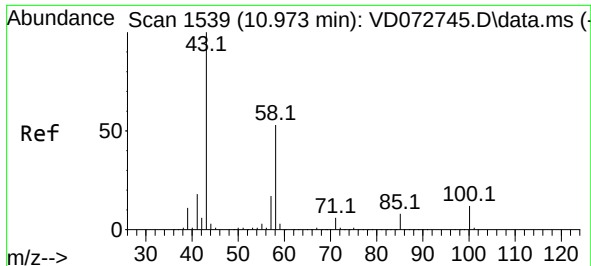
Tgt Ion: 98 Resp: 754894
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 4.305 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 43 Resp: 13470
Ion Ratio Lower Upper
43 100
58 35.1 28.6 43.0

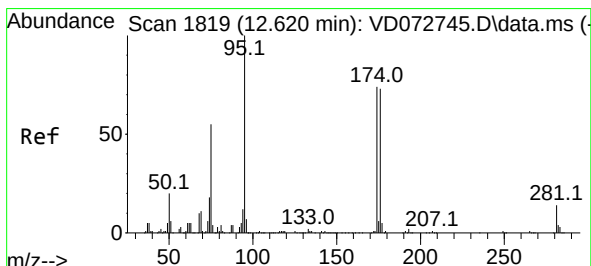
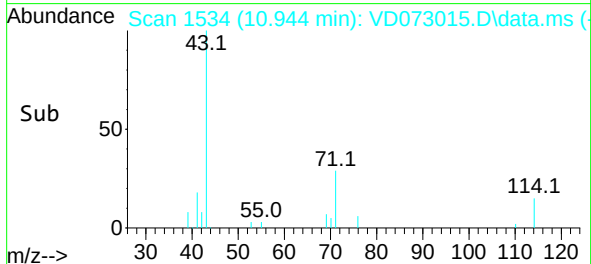
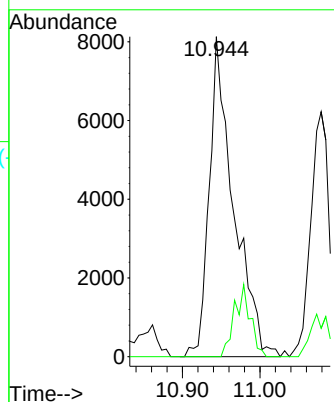
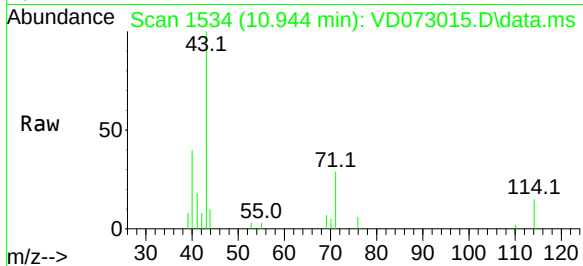




#59
2-Hexanone
Concen: 8.431 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

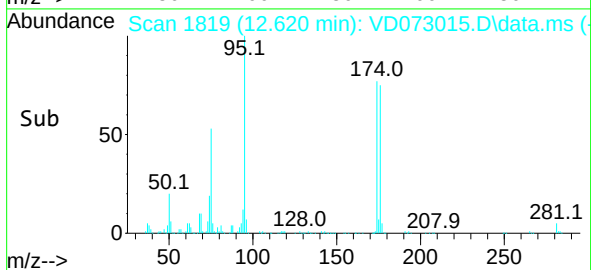
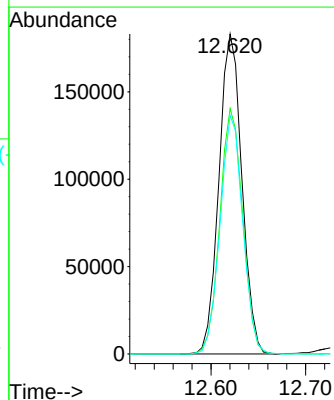
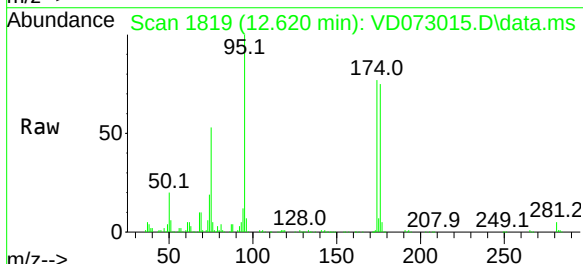
Instrument :
MSVOA_D
ClientSampleId :
SC-1

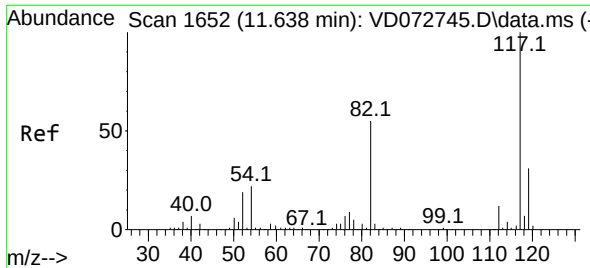
Tgt Ion: 43 Resp: 17750
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 52.726 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 95 Resp: 307781
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 74.0 0.0 145.4

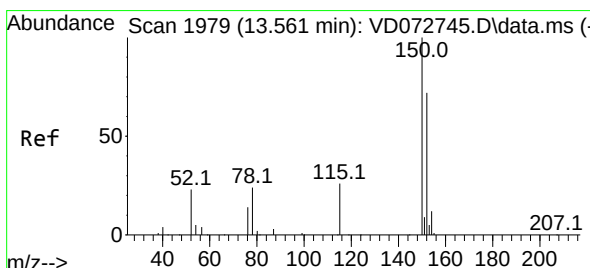
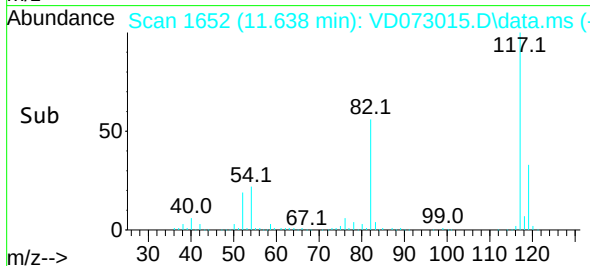
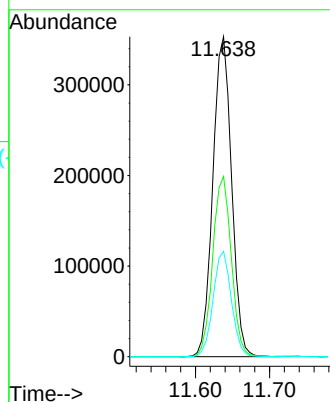
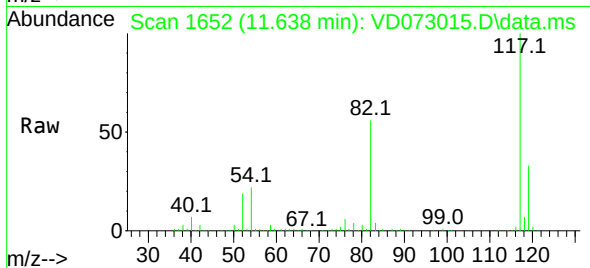




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

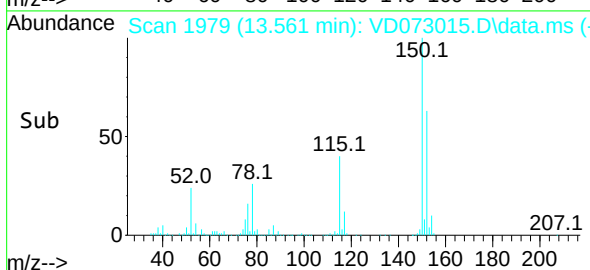
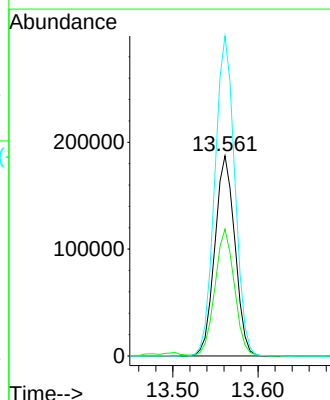
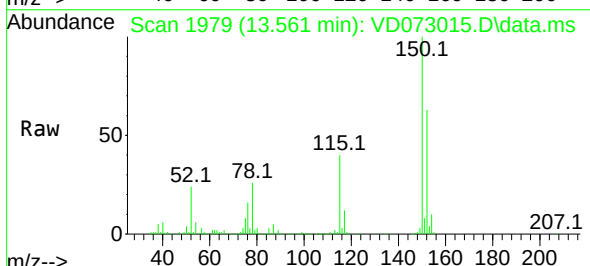
Instrument :
MSVOA_D
ClientSampleId :
SC-1

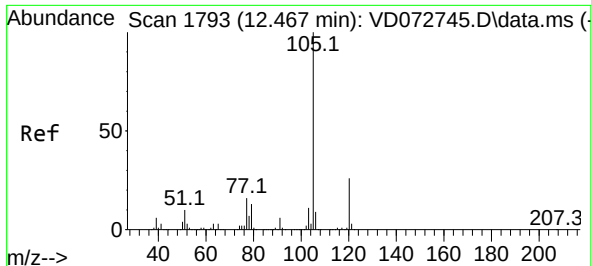
Tgt Ion:117 Resp: 619897
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion:152 Resp: 307218
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.8
150 159.2 0.0 348.6

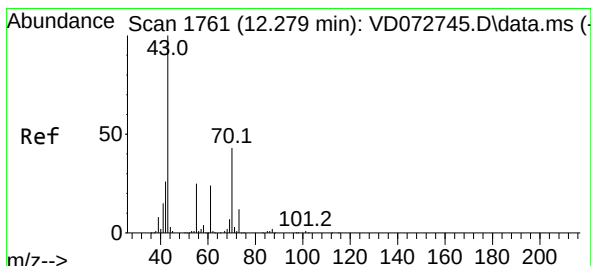
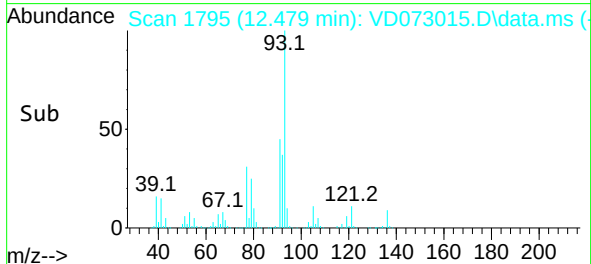
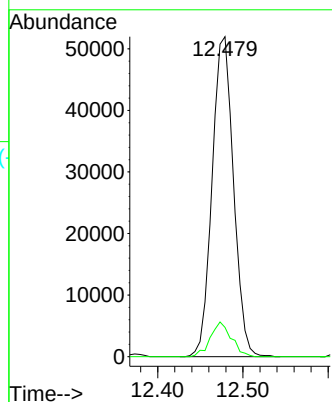
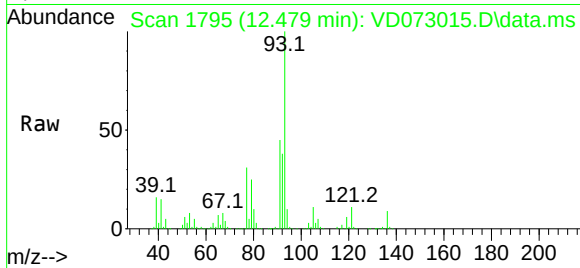




#73
Isopropylbenzene
Concen: 3.798 ug/l
RT: 12.479 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

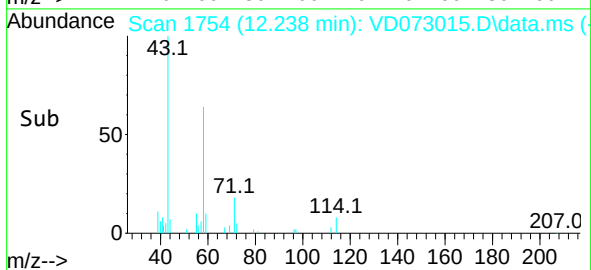
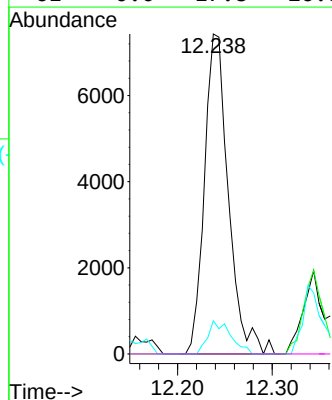
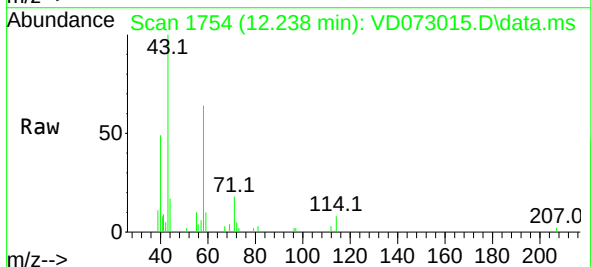
Instrument :
MSVOA_D
ClientSampleId :
SC-1

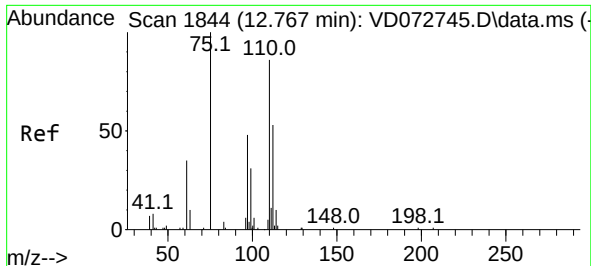
Tgt Ion:105 Resp: 90781
Ion Ratio Lower Upper
105 100
120 10.7 13.0 38.9#



#74
N-ethyl acetate
Concen: 2.196 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 43 Resp: 13070
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 9.9 20.0 30.0#
61 0.0 17.8 26.8#

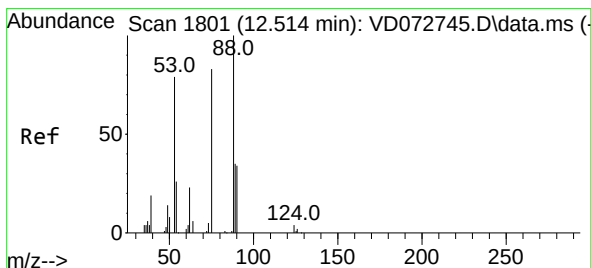
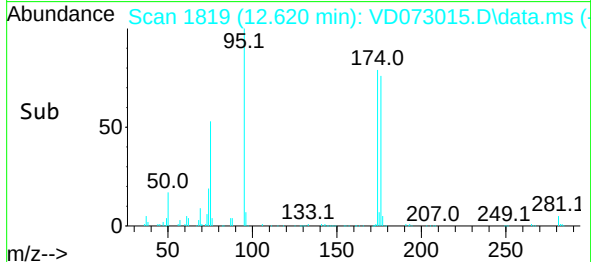
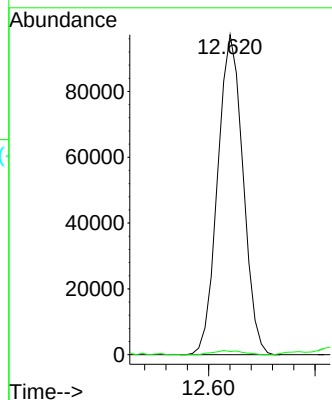
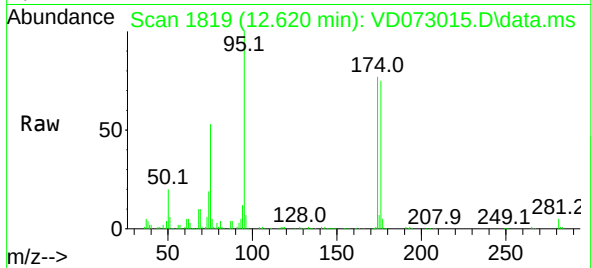




#76
1,2,3-Trichloropropane
Concen: 46.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

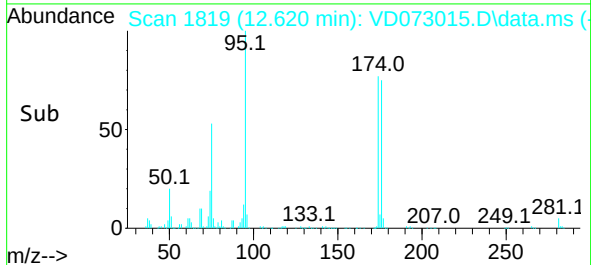
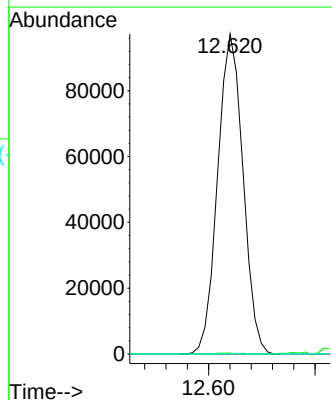
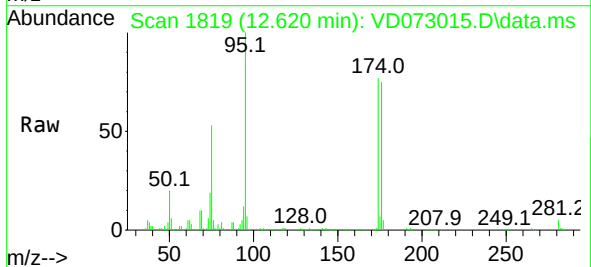
Instrument :
MSVOA_D
ClientSampleId :
SC-1

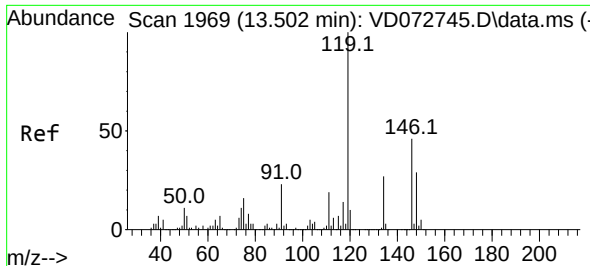
Tgt Ion: 75 Resp: 160504
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.743 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion: 75 Resp: 160504
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

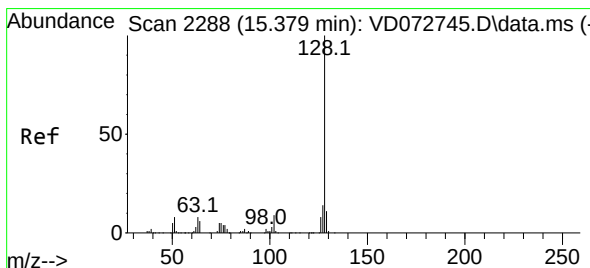
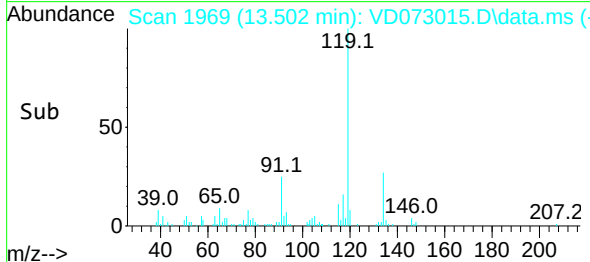
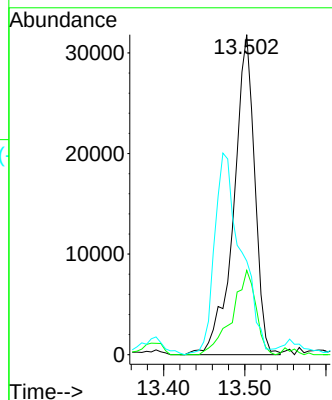
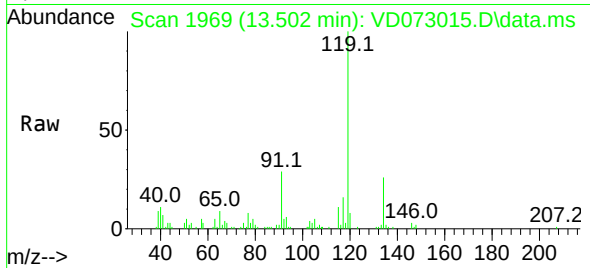




#86
p-Isopropyltoluene
Concen: 2.681 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Instrument :
MSVOA_D
ClientSampleId :
SC-1

Tgt Ion:119 Resp: 57119
Ion Ratio Lower Upper
119 100
134 29.8 12.9 38.6
91 0.0 12.1 36.3#



#95
Naphthalene
Concen: 65.277 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073015.D
Acq: 14 May 2022 04:21

Tgt Ion:128 Resp: 708293
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.5 8.4 12.6

