

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072707.D
 Acq On : 25 Apr 2022 14:52
 Operator : VA/SY
 Sample : N2553-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 370

Quant Time: Apr 26 01:14:28 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)

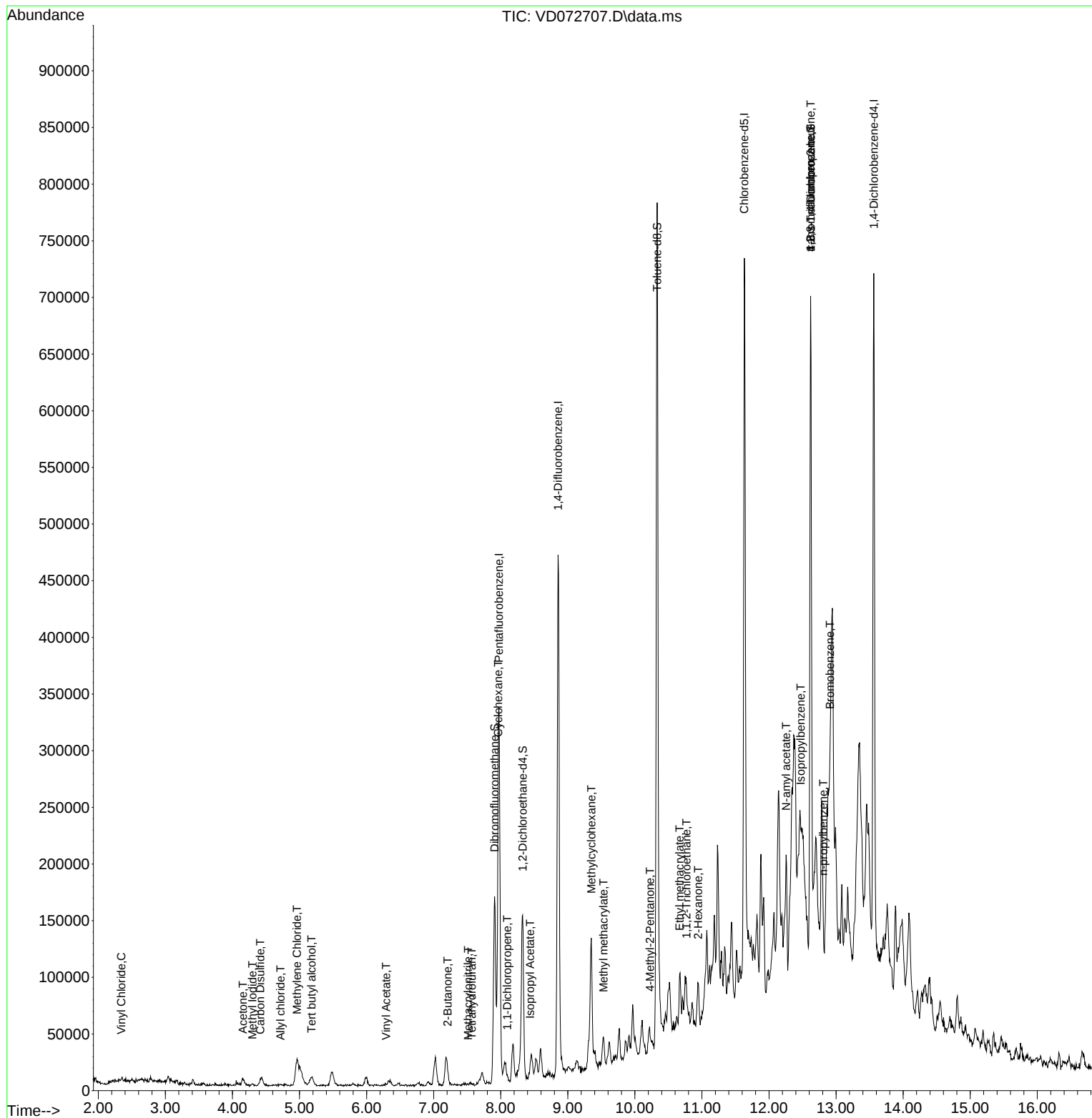
Internal Standards						
1) Pentafluorobenzene	7.973	168	223708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	391080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	357984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	161051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	117516	43.425	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.840%		
35) Dibromofluoromethane	7.909	113	119303	39.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.500%		
50) Toluene-d8	10.332	98	470929	44.576	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.160%		
62) 4-Bromofluorobenzene	12.620	95	178483	43.259	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.520%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	550	1.236	ug/l #	43
10) Methyl Iodide	4.297	142	1012	4.122	ug/l #	81
11) Tert butyl alcohol	5.179	59	7967	55.748	ug/l #	74
14) Allyl chloride	4.715	41	575	1.286	ug/l #	61
16) Acetone	4.156	43	10992	21.783	ug/l #	79
17) Carbon Disulfide	4.415	76	3037	4.273	ug/l #	74
20) Methylene Chloride	4.962	84	16713	5.563	ug/l #	84
23) Vinyl Acetate	6.291	43	802	6.469	ug/l #	75
25) 2-Butanone	7.209	43	1330	1.906	ug/l	92
29) Tetrahydrofuran	7.567	42	515	1.222	ug/l #	62
31) Cyclohexane	7.961	56	20274	5.730	ug/l #	79
36) 1,1-Dichloropropene	8.097	75	836	1.334	ug/l #	66
39) Methylcyclohexane	9.350	83	47661	12.807	ug/l	97
41) Methacrylonitrile	7.514	41	190	1.853	ug/l #	44
43) Isopropyl Acetate	8.438	43	4602	1.490	ug/l #	54
48) Methyl methacrylate	9.532	41	6322	4.215	ug/l #	30
51) 4-Methyl-2-Pentanone	10.226	43	2162	1.304	ug/l #	85
55) 1,1,2-Trichloroethane	10.767	97	12718	5.415	ug/l #	17
56) Ethyl methacrylate	10.667	69	7183	3.619	ug/l #	66
59) 2-Hexanone	10.944	43	15568	13.812	ug/l #	35
73) Isopropylbenzene	12.473	105	20456	1.573	ug/l	99
74) N-amyl acetate	12.255	43	23752	8.703	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	88040	50.122	ug/l #	100
77) Bromobenzene	12.908	156	201744	69.202	ug/l #	1
78) n-propylbenzene	12.808	91	16024	1.021	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.620	75	88040	122.989	ug/l #	9

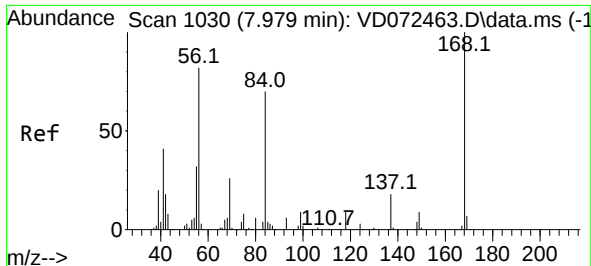
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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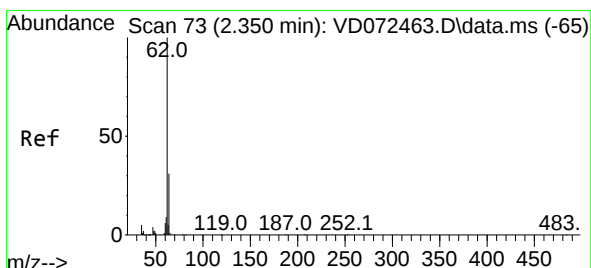
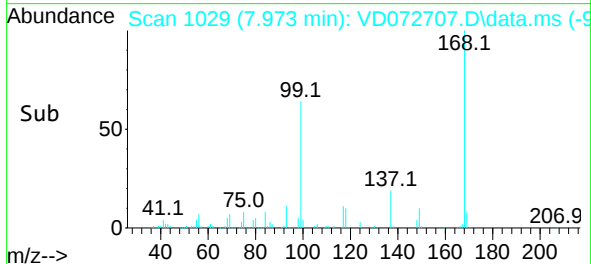
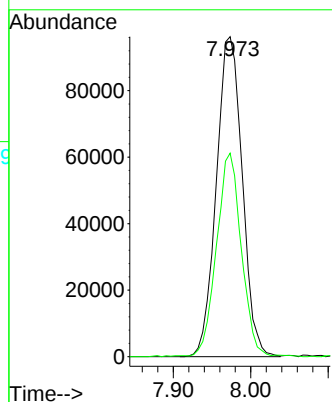
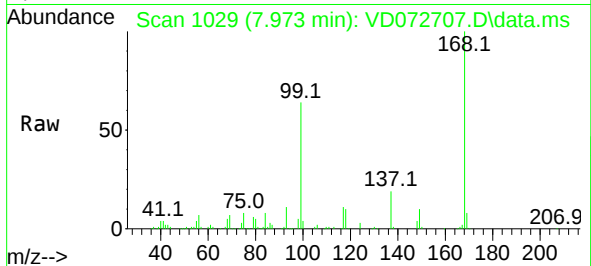




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

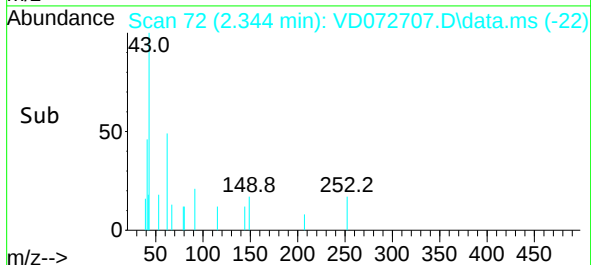
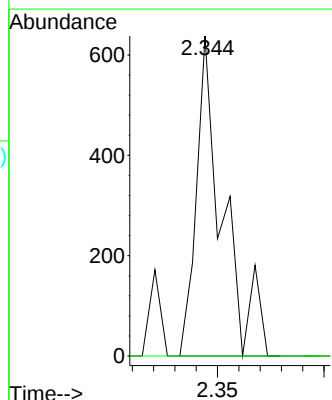
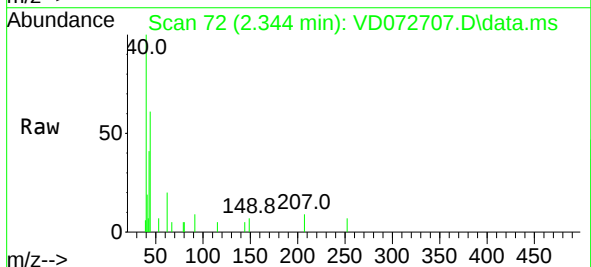
Instrument :
MSVOA_D
ClientSampleId :
370

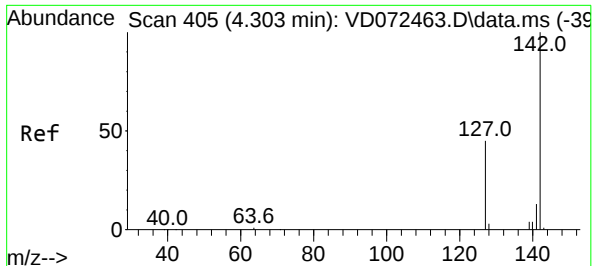
Tgt Ion:168 Resp: 223708
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#4
Vinyl Chloride
Concen: 1.236 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 62 Resp: 550
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

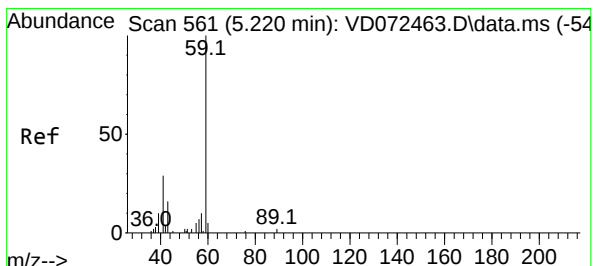
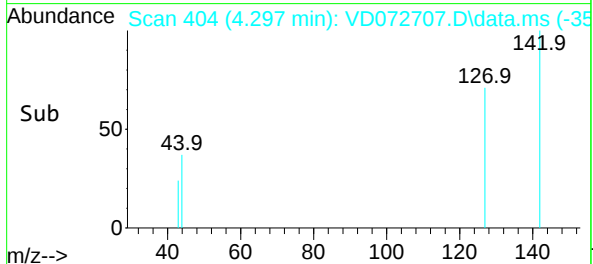
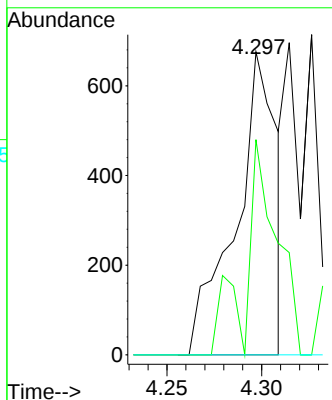
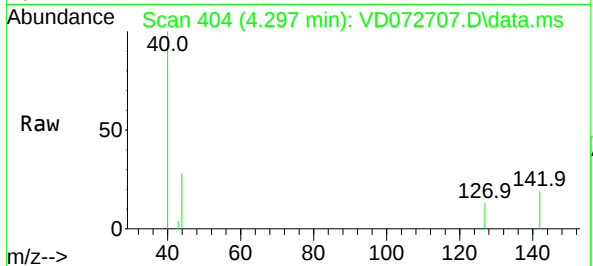




#10
Methyl Iodide
Concen: 4.122 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

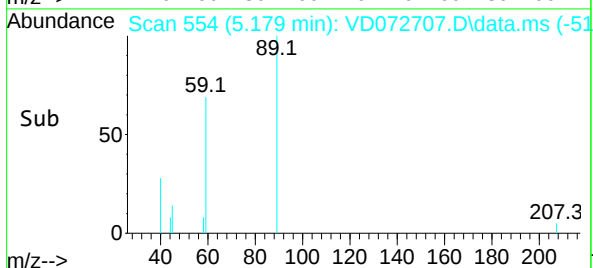
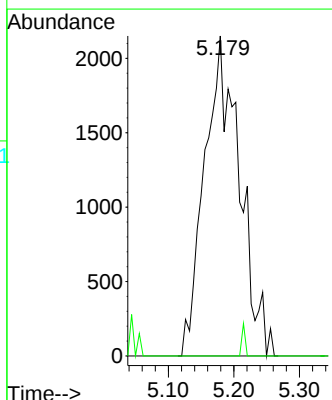
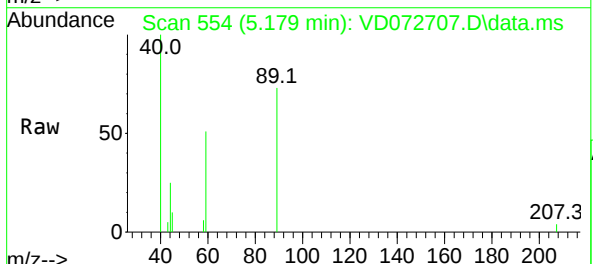
Instrument :
MSVOA_D
ClientSampleId :
370

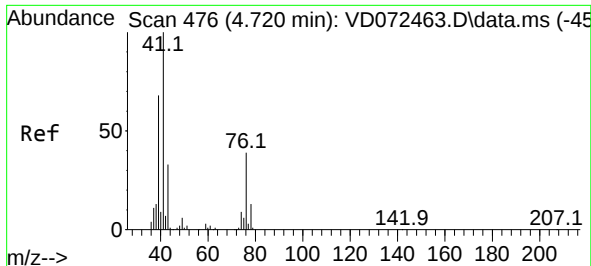
Tgt Ion:142 Resp: 1012
Ion Ratio Lower Upper
142 100
127 55.6 37.3 55.9
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 55.748 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

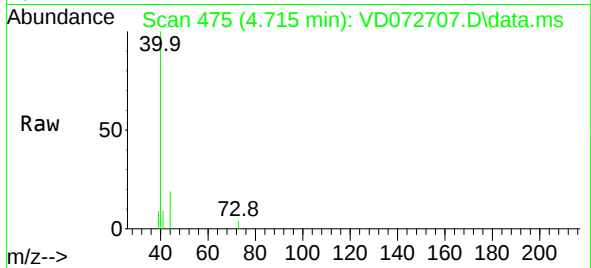
Tgt Ion: 59 Resp: 7967
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



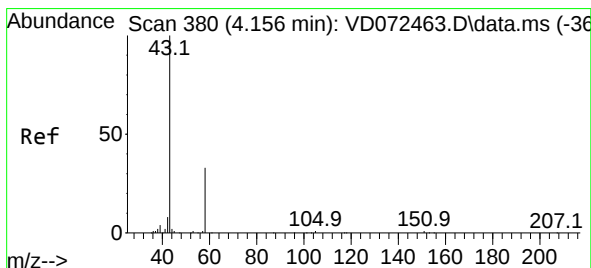
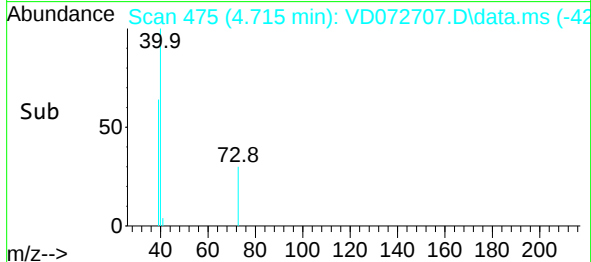
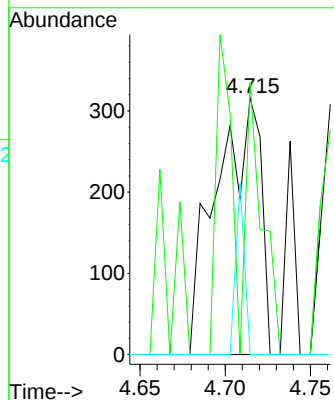


#14
 Allyl chloride
 Concen: 1.286 ug/l
 RT: 4.715 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: VD072707.D
 Acq: 25 Apr 2022 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 370

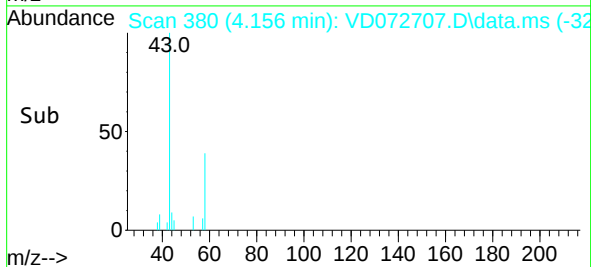
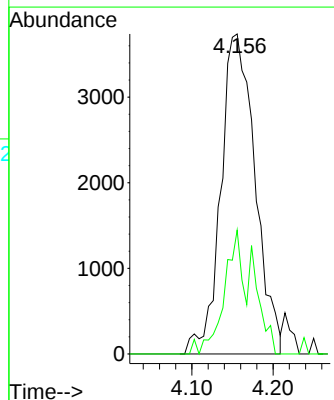
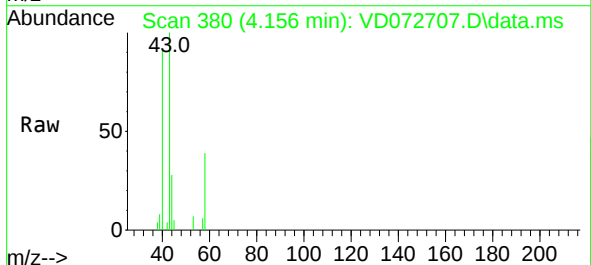


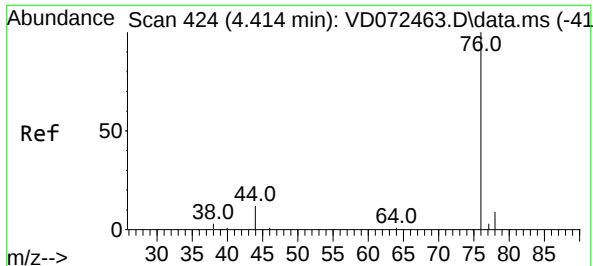
Tgt Ion: 41 Resp: 575
 Ion Ratio Lower Upper
 41 100
 39 39.3 59.3 88.9#
 76 12.9 25.7 38.5#



#16
 Acetone
 Concen: 21.783 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: VD072707.D
 Acq: 25 Apr 2022 14:52

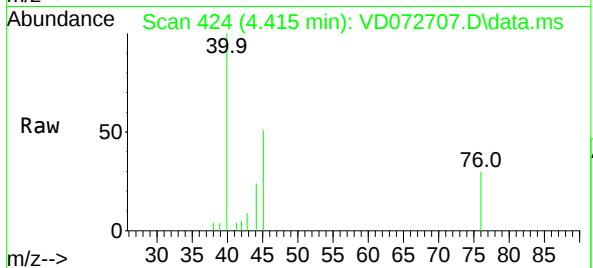
Tgt Ion: 43 Resp: 10992
 Ion Ratio Lower Upper
 43 100
 58 38.7 22.1 33.1#



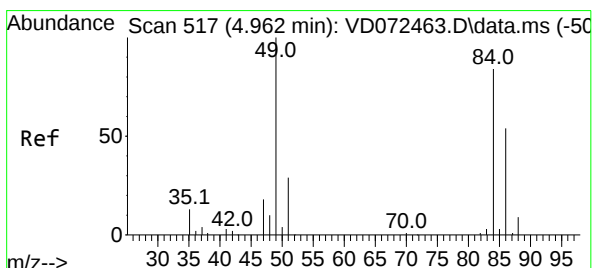
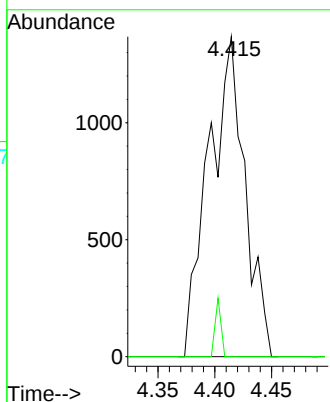
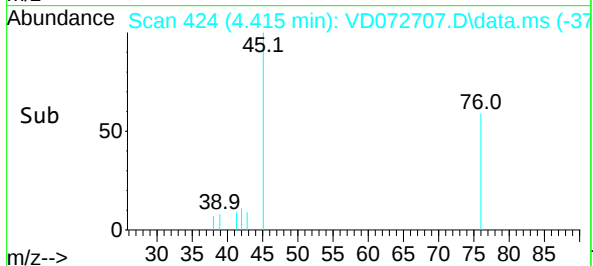


#17
Carbon Disulfide
Concen: 4.273 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Instrument :
MSVOA_D
ClientSampleId :
370

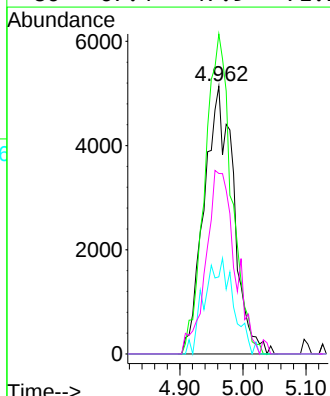
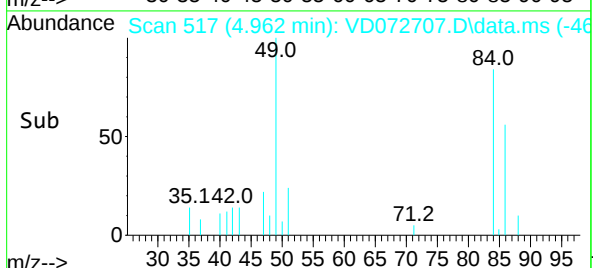
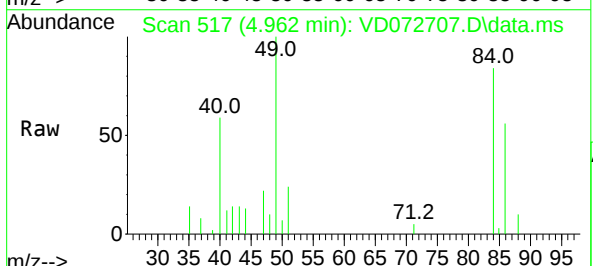


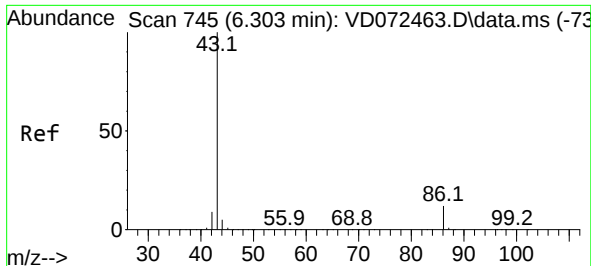
Tgt Ion: 76 Resp: 3037
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 5.563 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 84 Resp: 16713
Ion Ratio Lower Upper
84 100
49 119.6 112.8 169.2
51 28.8 32.6 48.8#
86 67.4 47.9 71.9

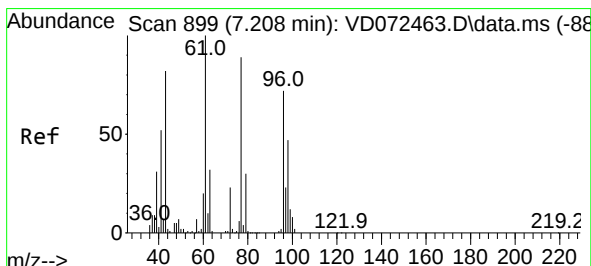
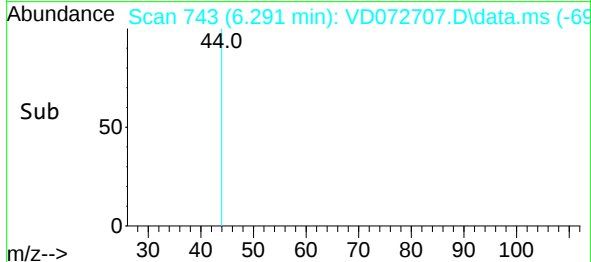
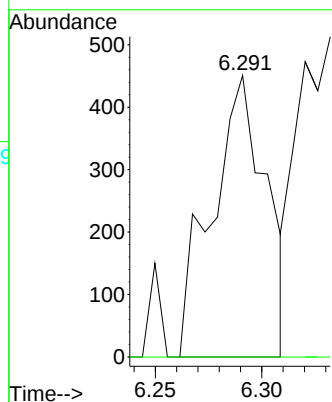
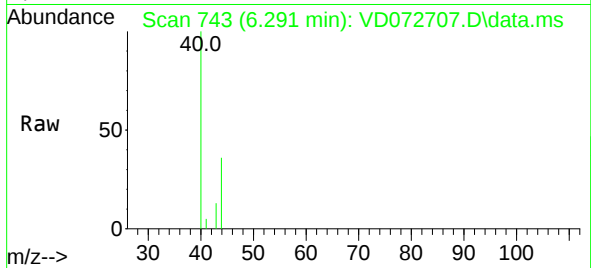




#23
 Vinyl Acetate
 Concen: 6.469 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD072707.D
 Acq: 25 Apr 2022 14:52

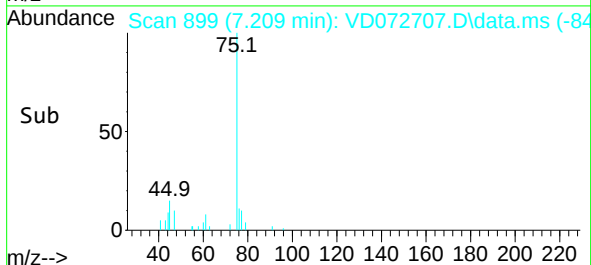
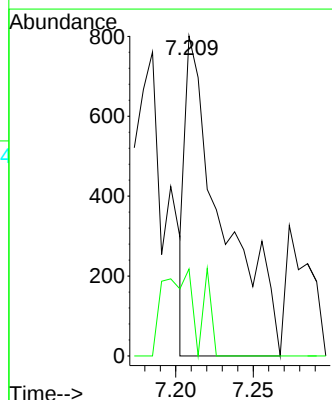
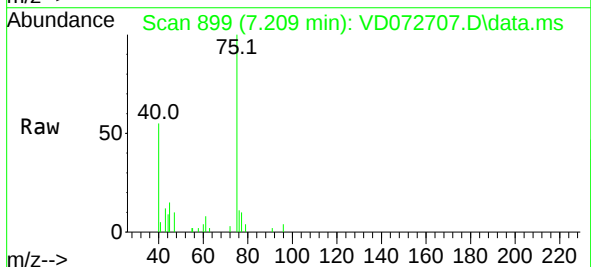
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 MSVOA_D
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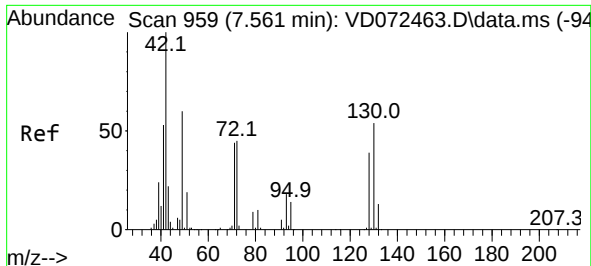
Tgt Ion: 43 Resp: 802
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.906 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD072707.D
 Acq: 25 Apr 2022 14:52

Tgt Ion: 43 Resp: 1330
 Ion Ratio Lower Upper
 43 100
 72 27.2 18.6 27.8





#29

Tetrahydrofuran

Concen: 1.222 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

Lab File: VD072707.D

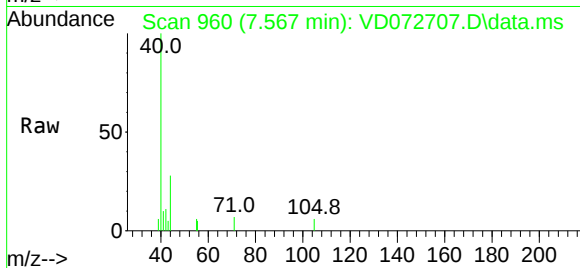
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Instrument :

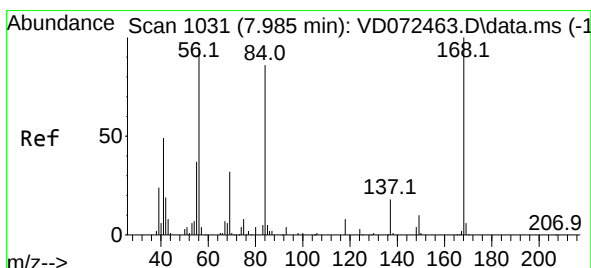
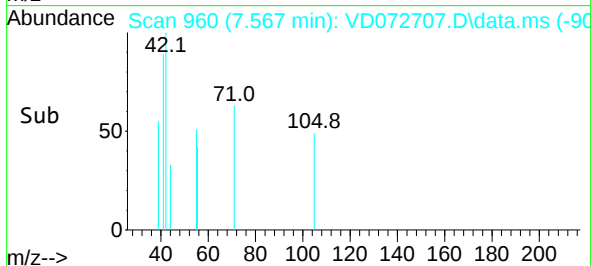
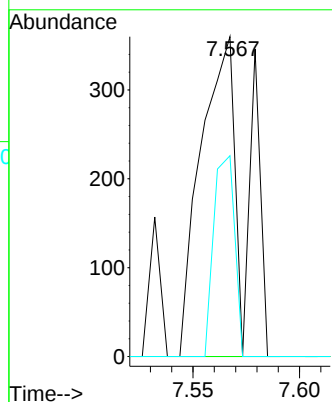
MSVOA_D

ClientSampleId :

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Tgt Ion:	42	Resp:	515
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	29.9	28.6	43.0



#31

Cyclohexane

Concen: 5.730 ug/l

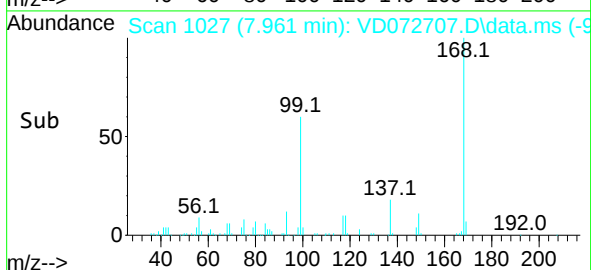
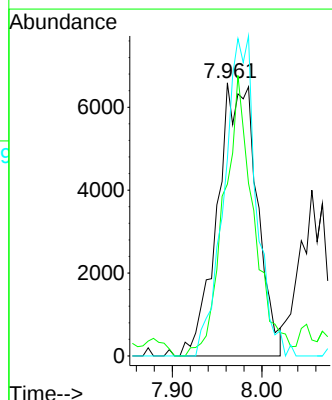
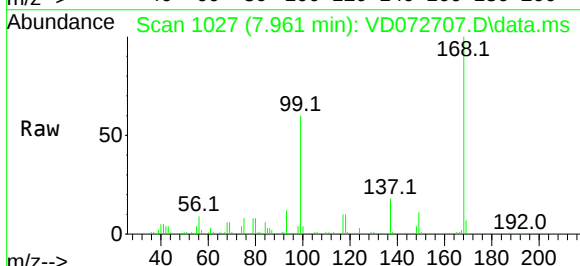
RT: 7.961 min Scan# 1027

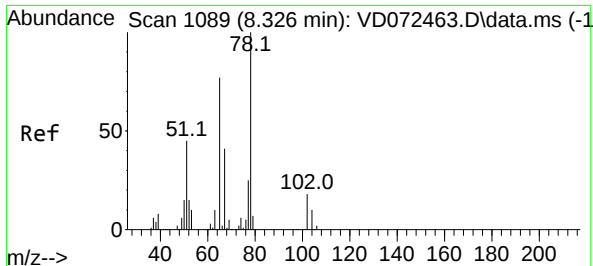
Delta R.T. -0.023 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Tgt Ion:	56	Resp:	20274
Ion	Ratio	Lower	Upper
56	100		
69	62.9	25.4	38.2#
84	72.1	63.0	94.4





#33

1,2-Dichloroethane-d4

Concen: 43.425 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

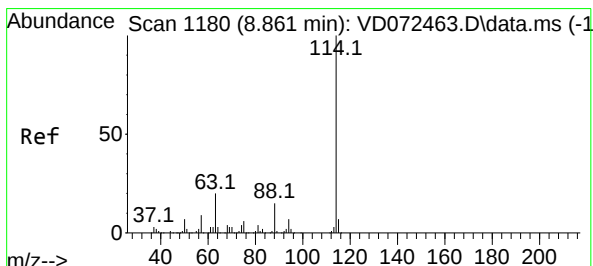
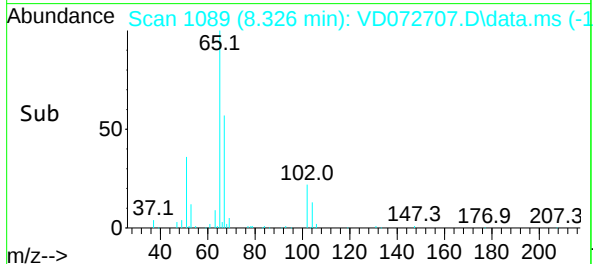
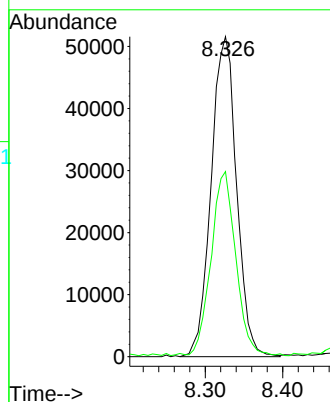
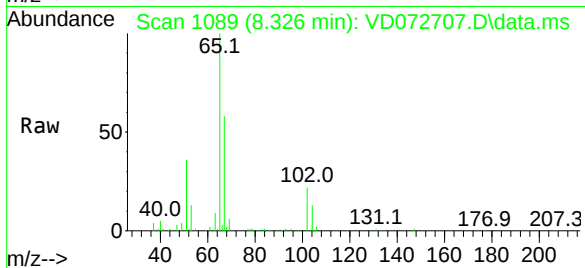
370

Tgt Ion: 65 Resp: 117516

Ion Ratio Lower Upper

65 100

67 56.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

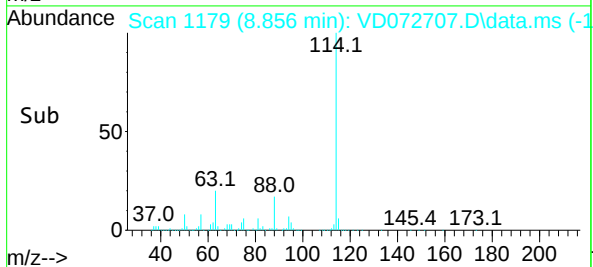
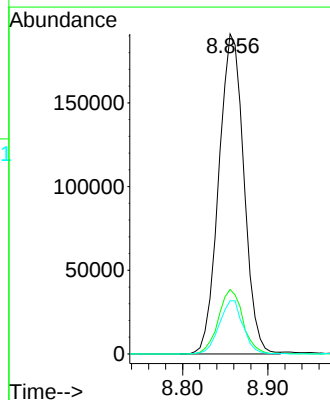
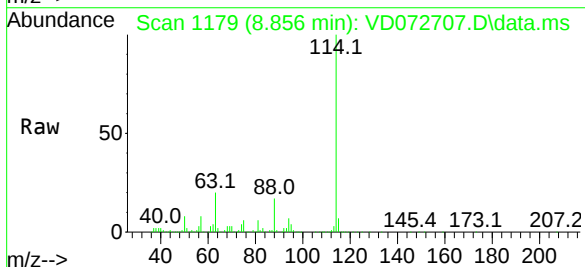
Tgt Ion: 114 Resp: 391080

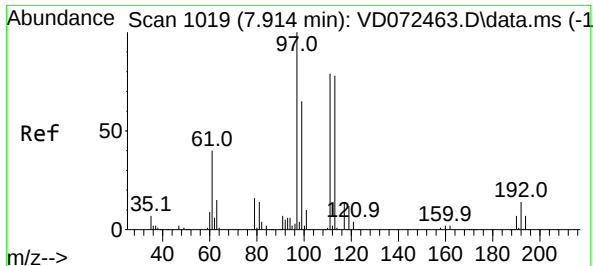
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 39.254 ug/l

RT: 7.909 min Scan# 1113

Delta R.T. -0.006 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

370

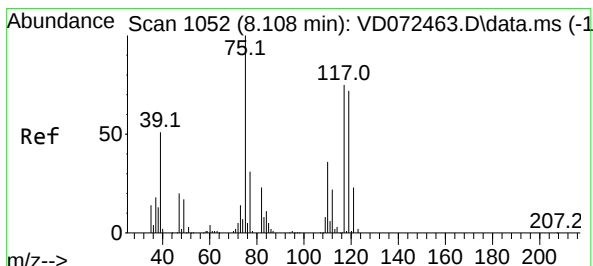
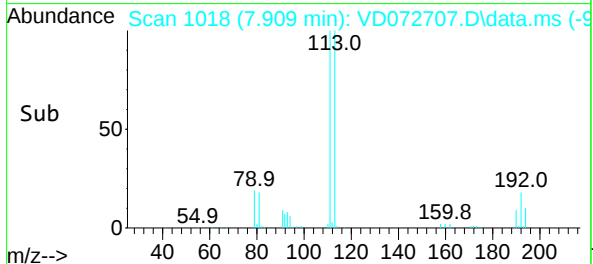
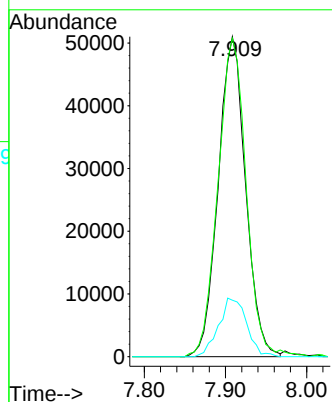
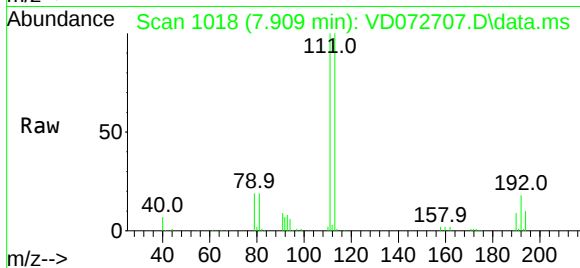
Tgt Ion:113 Resp: 119303

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.334 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. -0.011 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

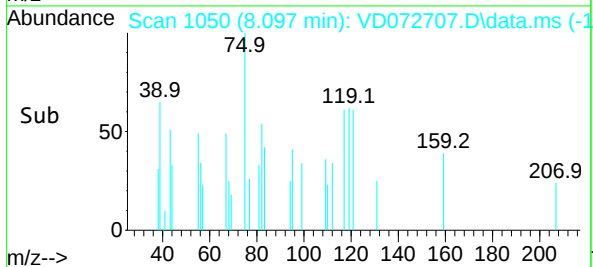
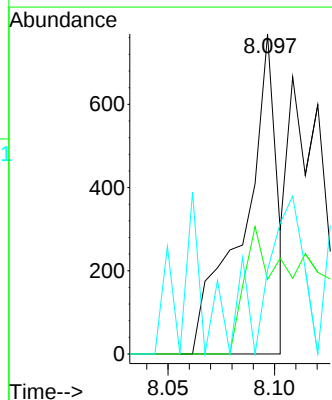
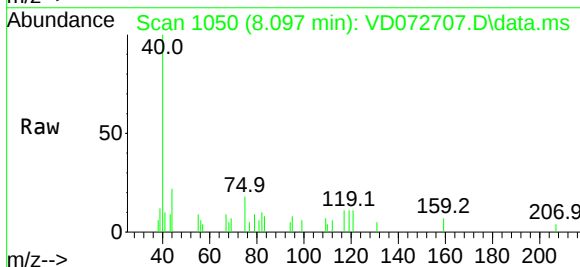
Tgt Ion: 75 Resp: 836

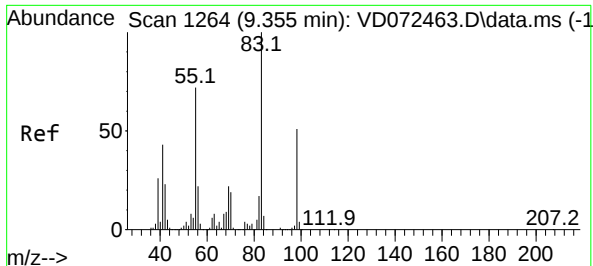
Ion Ratio Lower Upper

75 100

110 44.7 16.4 49.1

77 56.2 24.2 36.2#





#39

Methylcyclohexane

Concen: 12.807 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

370

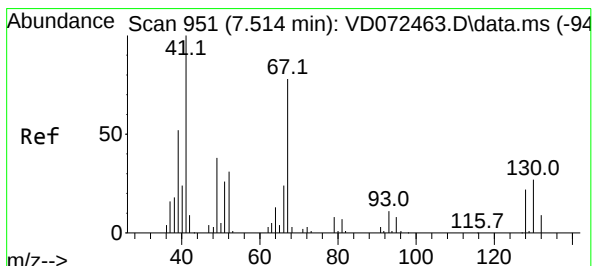
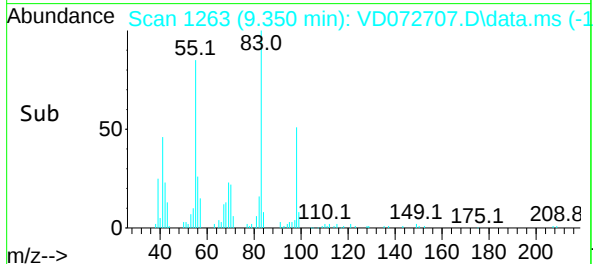
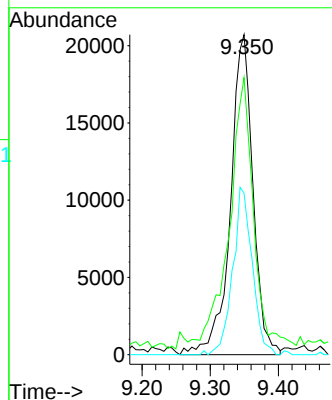
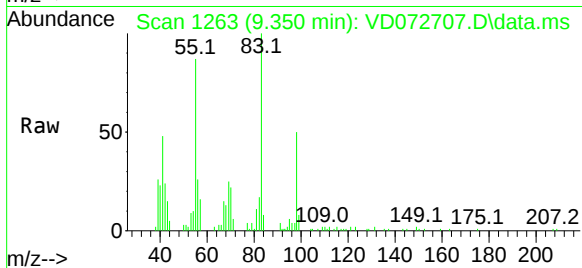
Tgt Ion: 83 Resp: 47661

Ion Ratio Lower Upper

83 100

55 81.1 63.2 94.8

98 50.5 38.2 57.4



#41

Methacrylonitrile

Concen: 1.853 ug/l

RT: 7.514 min Scan# 951

Delta R.T. 0.000 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Tgt Ion: 41 Resp: 190

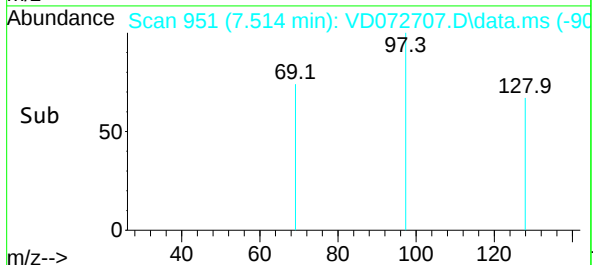
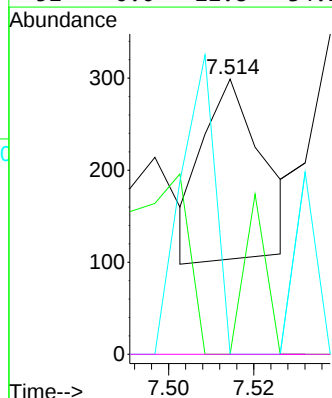
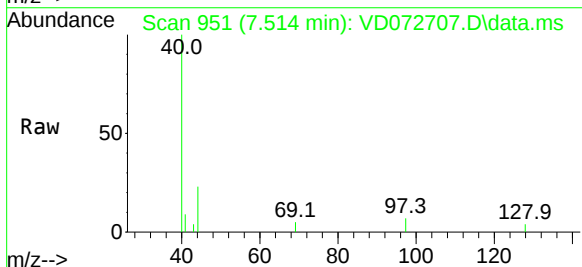
Ion Ratio Lower Upper

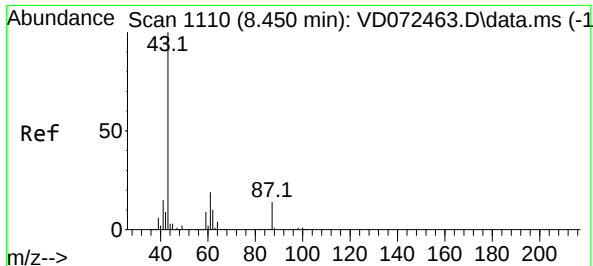
41 100

39 32.1 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 1.490 ug/l

RT: 8.438 min Scan# 1110

Delta R.T. -0.012 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

370

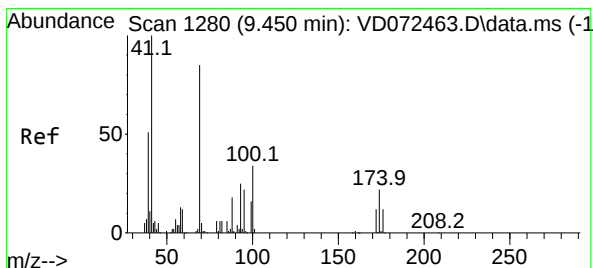
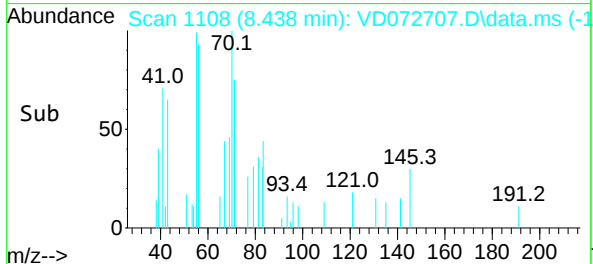
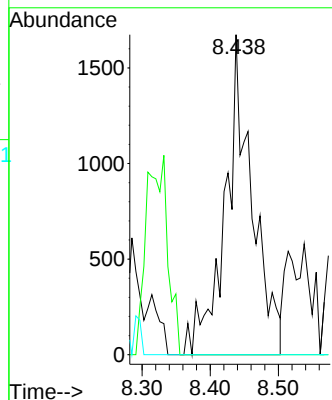
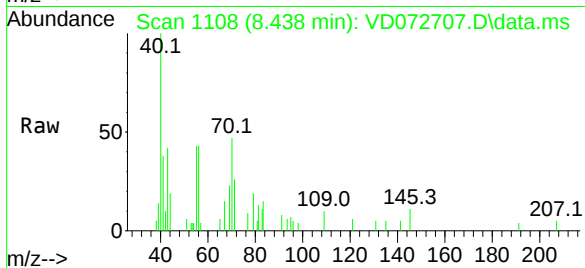
Tgt Ion: 43 Resp: 4602

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#



#48

Methyl methacrylate

Concen: 4.215 ug/l

RT: 9.532 min Scan# 1294

Delta R.T. 0.082 min

Lab File: VD072707.D

Acq: 25 Apr 2022 14:52

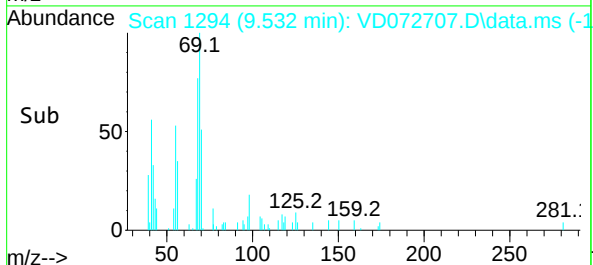
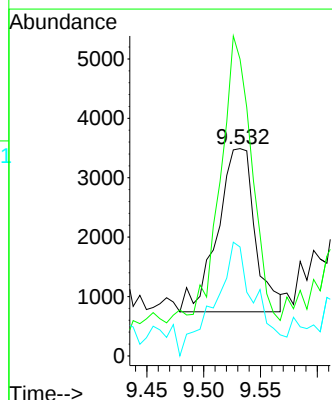
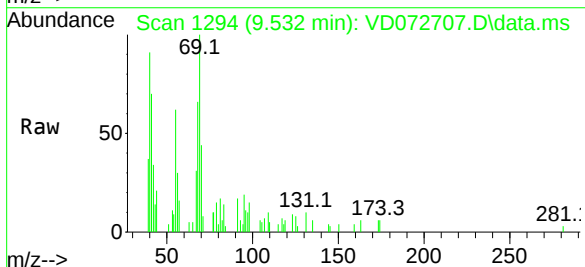
Tgt Ion: 41 Resp: 6322

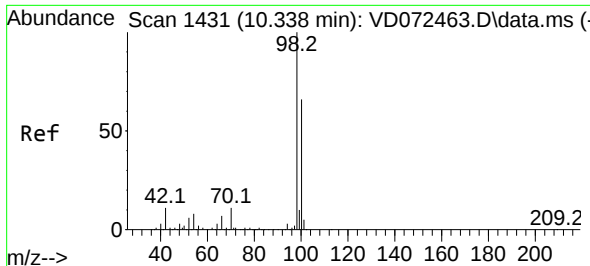
Ion Ratio Lower Upper

41 100

69 151.4 56.7 85.1#

39 76.7 42.7 64.1#

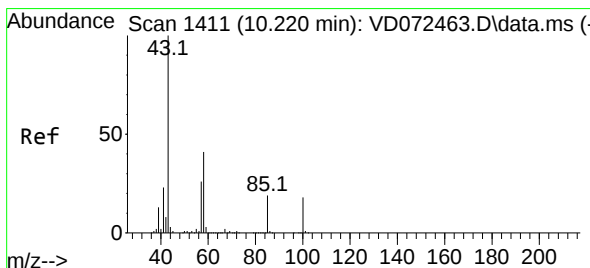
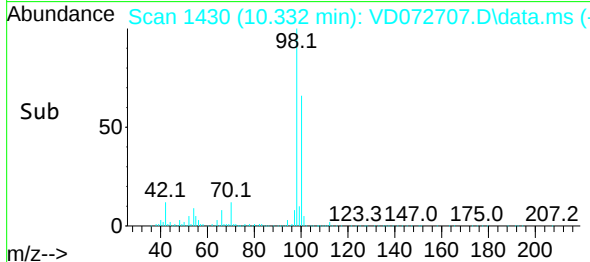
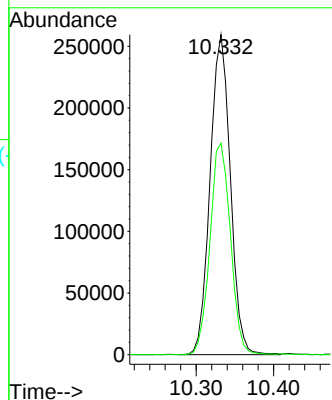
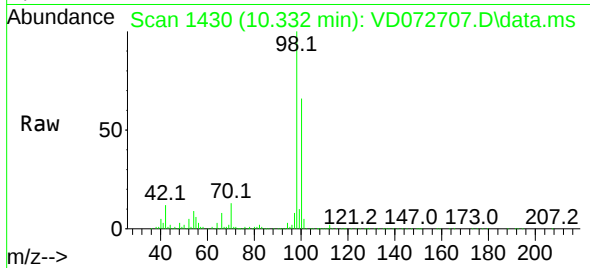




#50
Toluene-d8
Concen: 44.576 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

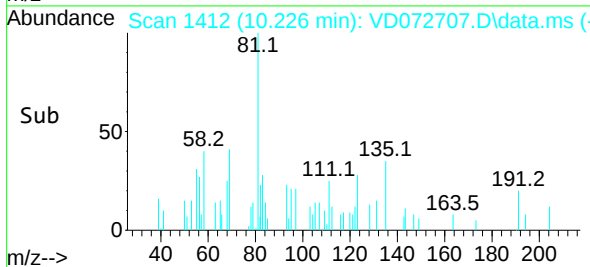
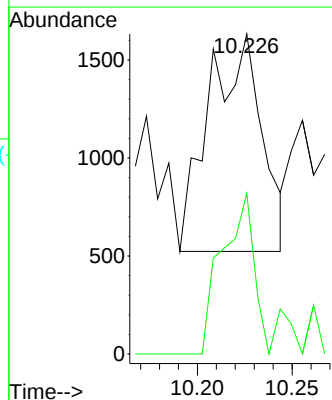
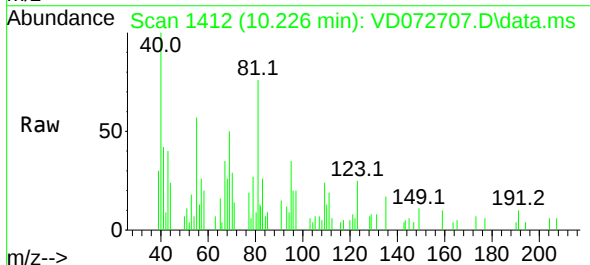
Instrument :
MSVOA_D
ClientSampleId :
370

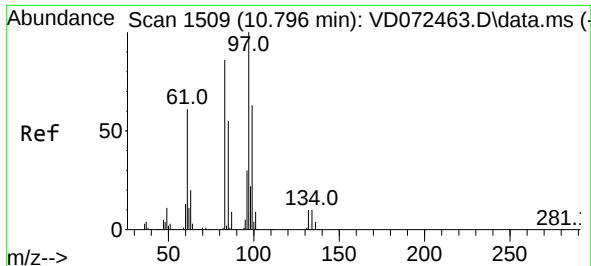
Tgt Ion: 98 Resp: 470929
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.304 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 43 Resp: 2162
Ion Ratio Lower Upper
43 100
58 44.4 28.6 43.0#

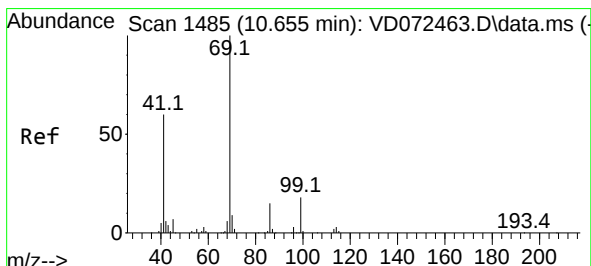
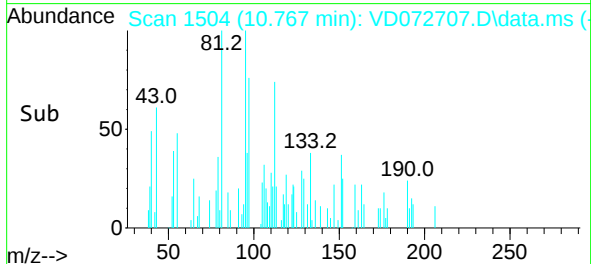
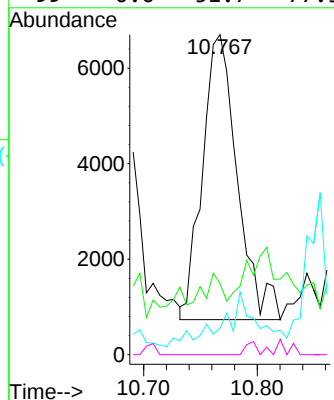
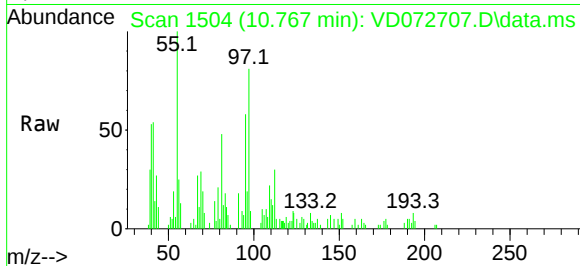




#55
1,1,2-Trichloroethane
Concen: 5.415 ug/l
RT: 10.767 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

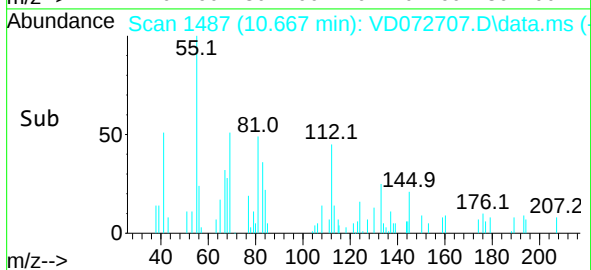
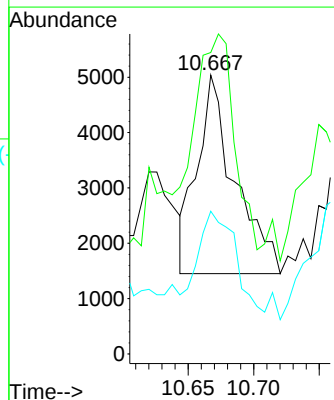
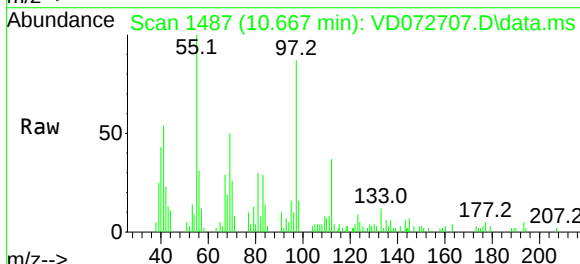
Instrument :
MSVOA_D
ClientSampleId :
370

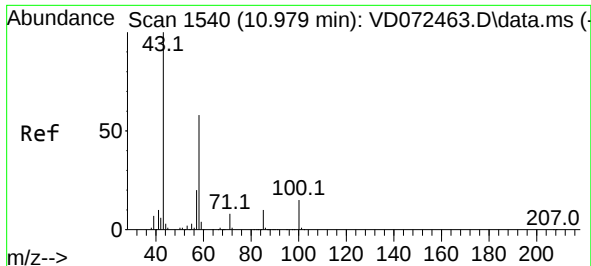
Tgt Ion: 97	Resp: 12718
Ion Ratio	Lower Upper
97 100	
83 1.2	69.0 103.4#
85 4.4	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 3.619 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 69	Resp: 7183		
Ion Ratio	Lower	Upper	
69 100			
41 119.8	63.0	94.6#	
39 49.6	33.8	50.8	

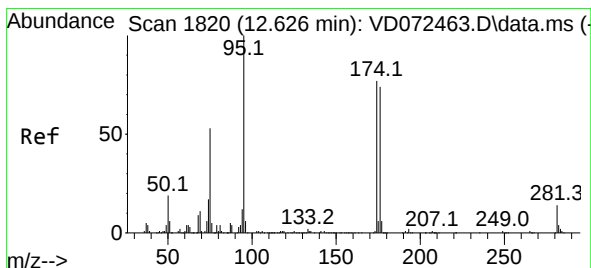
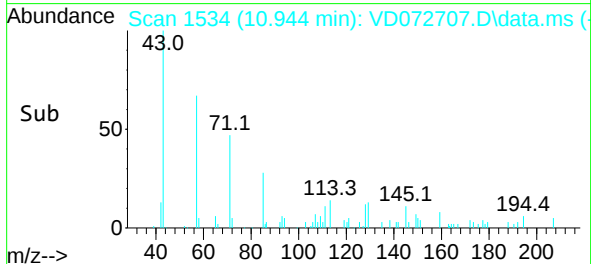
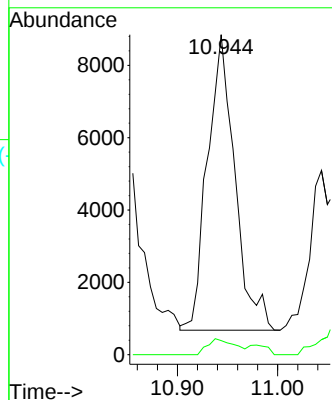
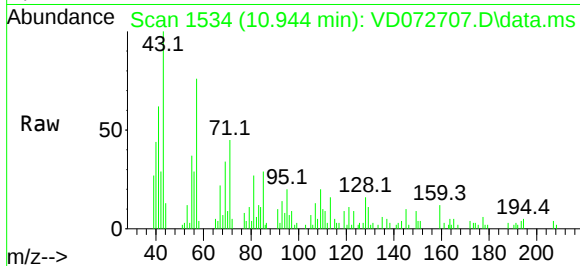




#59
2-Hexanone
Concen: 13.812 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

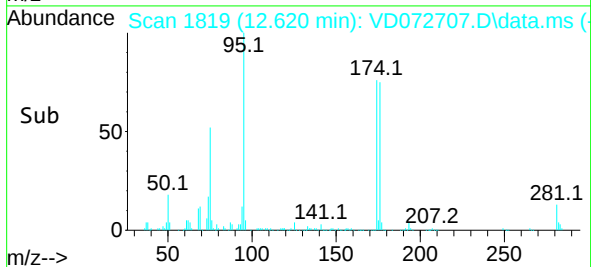
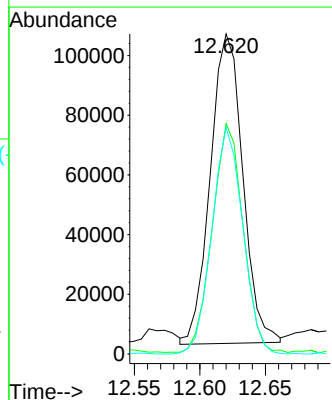
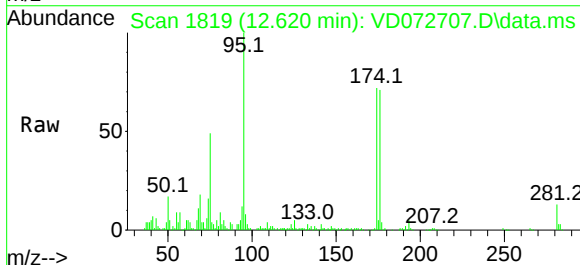
Instrument :
MSVOA_D
ClientSampleId :
370

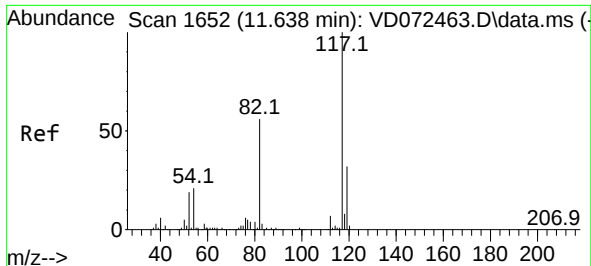
Tgt Ion: 43 Resp: 15568
Ion Ratio Lower Upper
43 100
58 5.3 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 43.259 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 95 Resp: 178483
Ion Ratio Lower Upper
95 100
174 70.0 0.0 152.8
176 69.9 0.0 145.4

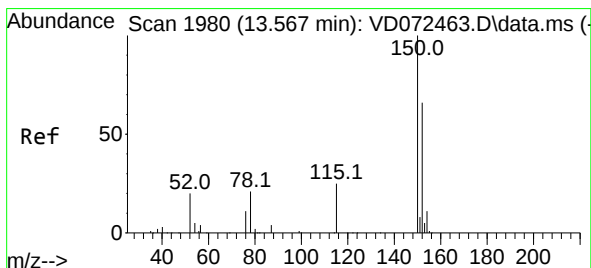
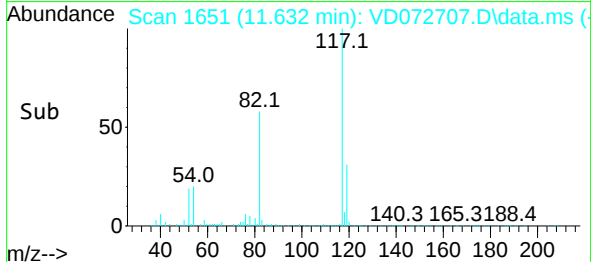
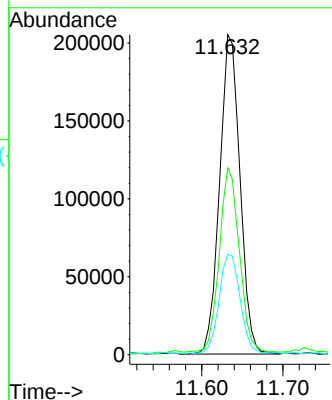
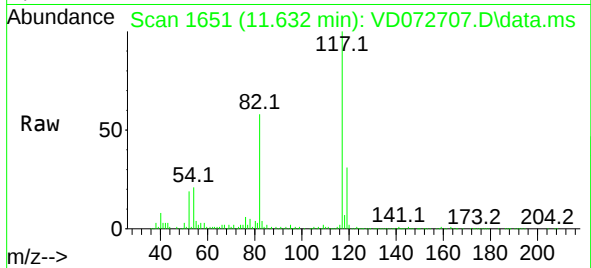




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

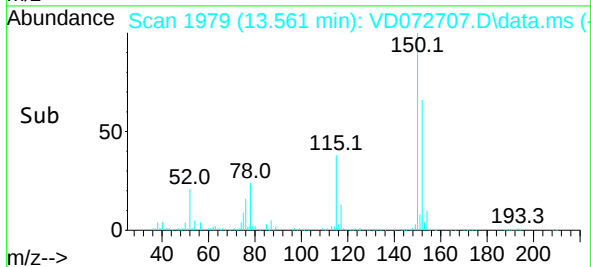
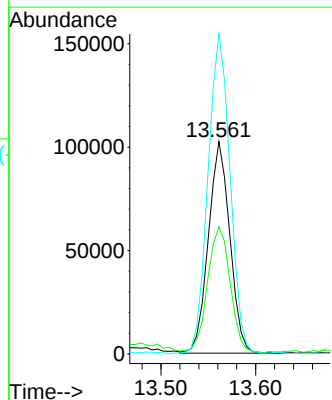
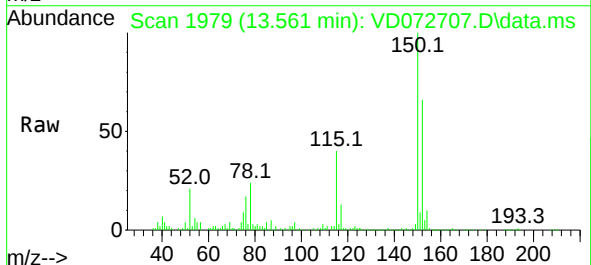
Instrument :
MSVOA_D
ClientSampleId :
370

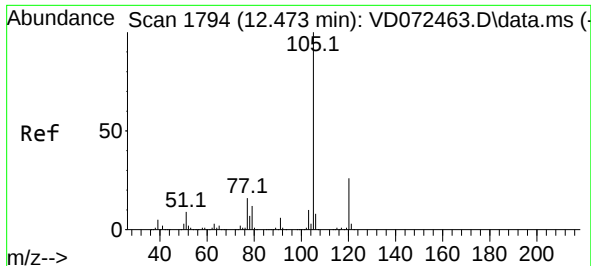
Tgt Ion:117 Resp: 357984
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion:152 Resp: 161051
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.8
150 155.1 0.0 348.6

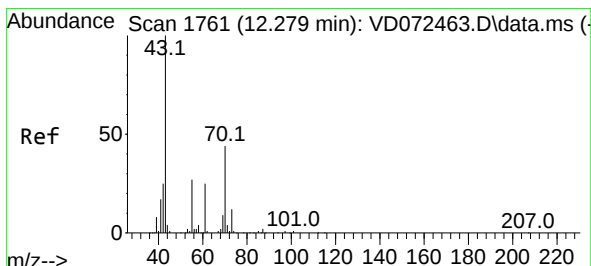
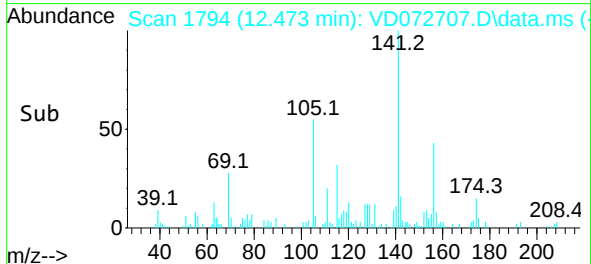
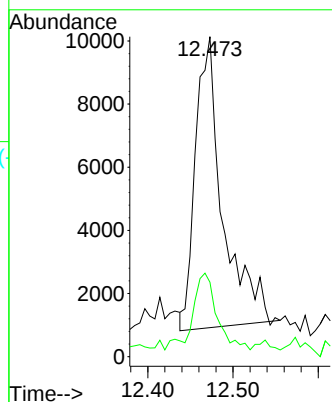
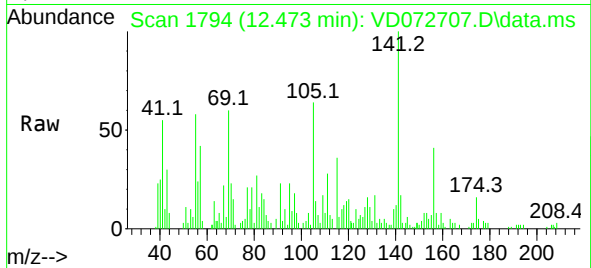




#73
Isopropylbenzene
Concen: 1.573 ug/l
RT: 12.473 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

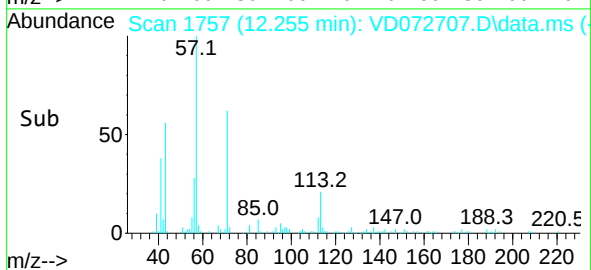
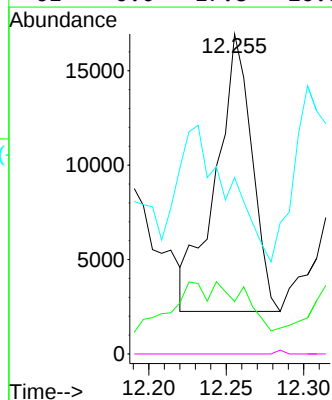
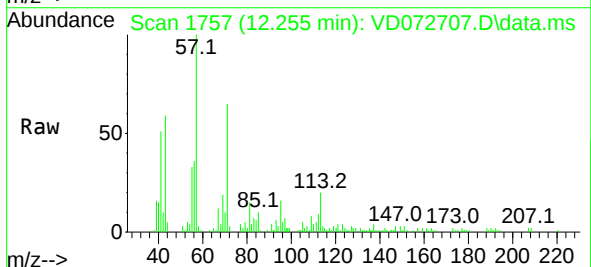
Instrument :
MSVOA_D
ClientSampleId :
370

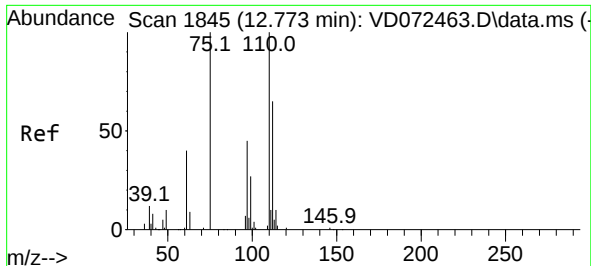
Tgt Ion:105 Resp: 20456
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9



#74
N-ethyl acetate
Concen: 8.703 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.023 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 43 Resp: 23752
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#

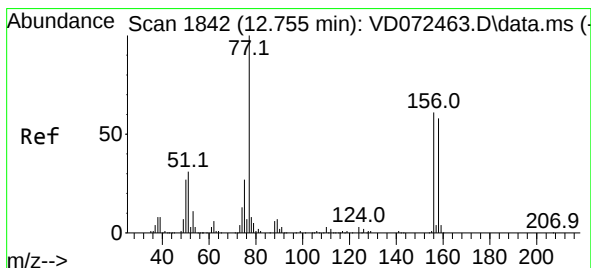
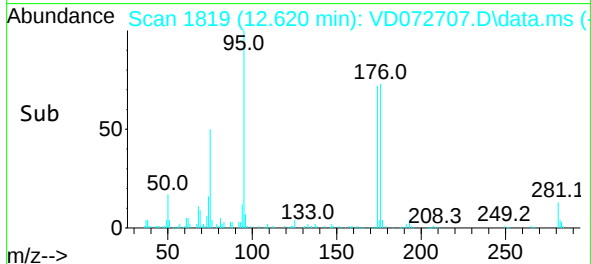
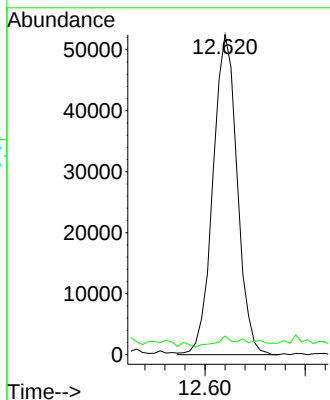
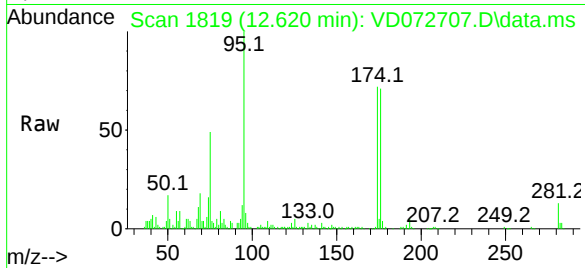




#76
1,2,3-Trichloropropane
Concen: 50.122 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

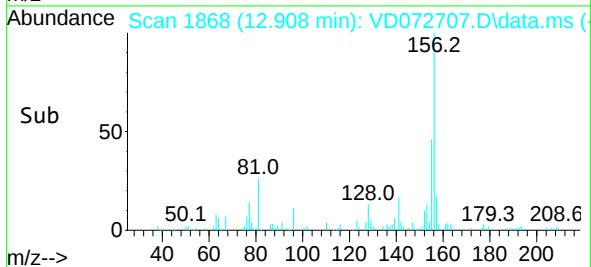
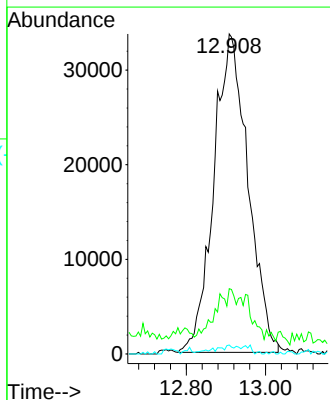
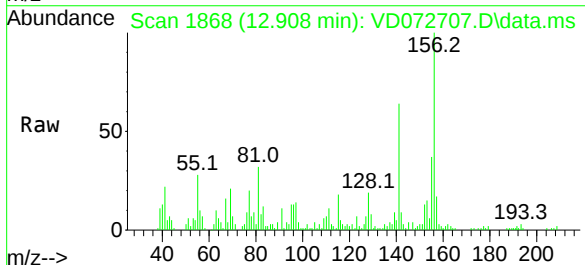
Instrument :
MSVOA_D
ClientSampleId :
370

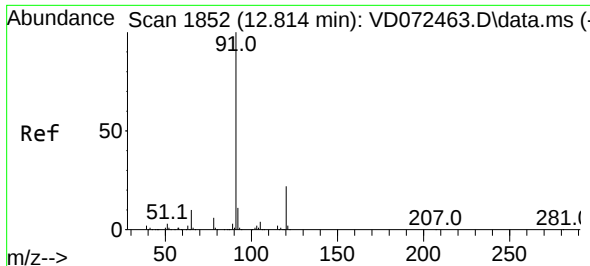
Tgt Ion: 75 Resp: 88040
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 69.202 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.153 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion:156 Resp: 201744
Ion Ratio Lower Upper
156 100
77 0.9 102.8 308.3#
158 0.6 48.7 146.1#

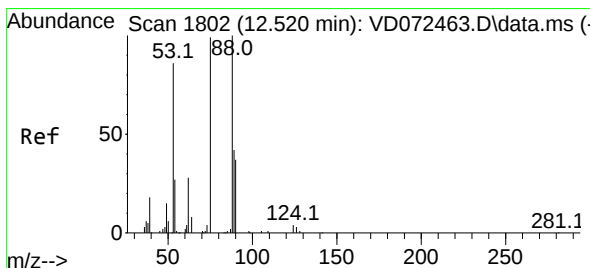
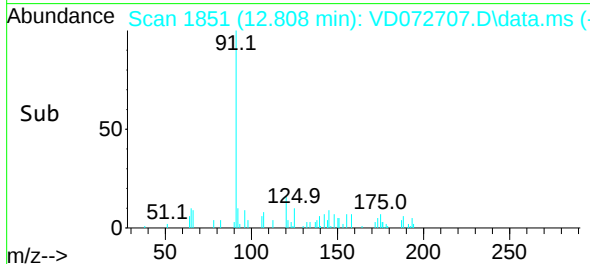
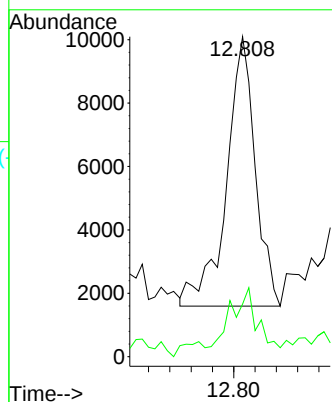
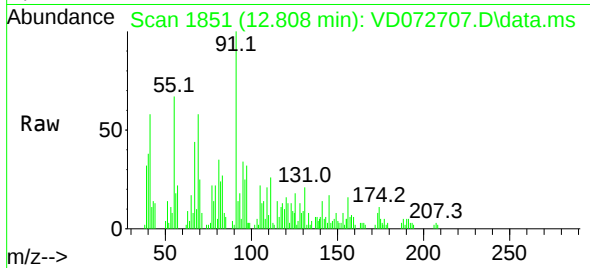




#78
n-propylbenzene
Concen: 1.021 ug/l
RT: 12.808 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Instrument :
MSVOA_D
ClientSampleId :
370

Tgt Ion: 91 Resp: 16024
Ion Ratio Lower Upper
91 100
120 18.4 10.9 32.9



#81
trans-1,4-Dichloro-2-butene
Concen: 122.989 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072707.D
Acq: 25 Apr 2022 14:52

Tgt Ion: 75 Resp: 88040
Ion Ratio Lower Upper
75 100
53 2.6 86.5 129.7#
89 0.5 33.9 50.9#

