

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070319.D
 Acq On : 13 Sep 2021 11:39
 Operator : VA/SY
 Sample : VD0913SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0913SBL01

Quant Time: Sep 14 00:50:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

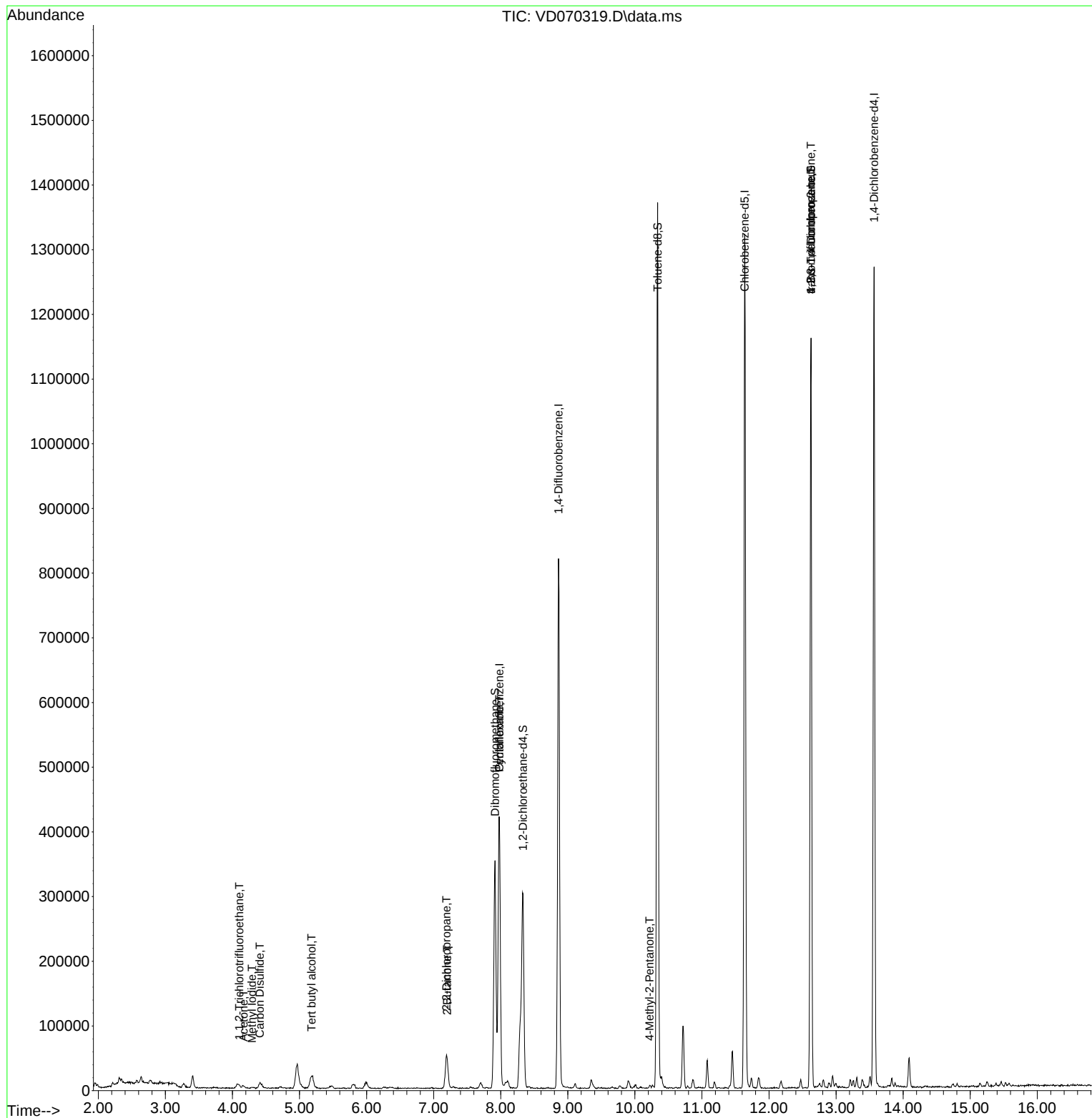
Internal Standards						
1) Pentafluorobenzene	7.979	168	288923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	672125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	748798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	326100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	232867	62.770	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.540%	
35) Dibromofluoromethane	7.914	113	250865	52.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.338	98	918537	52.879	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.760%	
62) 4-Bromofluorobenzene	12.626	95	342913	56.486	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	3055	Below Cal		94
3) Chloromethane	2.215	50	3606	Below Cal		97
5) Bromomethane	2.774	94	4458	Below Cal		83
6) Chloroethane	2.915	64	2392	Below Cal	#	86
9) 1,1,2-Trichlorotrifluo...	4.103	101	3862	1.034	ug/l #	60
10) Methyl Iodide	4.291	142	1977	1.570	ug/l #	87
11) Tert butyl alcohol	5.179	59	17764	42.349	ug/l #	100
16) Acetone	4.168	43	6240	9.421	ug/l #	54
17) Carbon Disulfide	4.409	76	15863	1.278	ug/l	98
18) Methyl Acetate	4.726	43	74	Below Cal	#	48
20) Methylene Chloride	4.962	84	28460	Below Cal	#	91
25) 2-Butanone	7.203	43	3270	3.709	ug/l #	47
26) 2,2-Dichloropropane	7.191	77	6475	1.070	ug/l #	61
31) Cyclohexane	7.979	56	10384	1.625	ug/l #	9
51) 4-Methyl-2-Pentanone	10.220	43	3681	1.432	ug/l #	85
76) 1,2,3-Trichloropropane	12.626	75	169383	51.351	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	169383	128.664	ug/l #	18

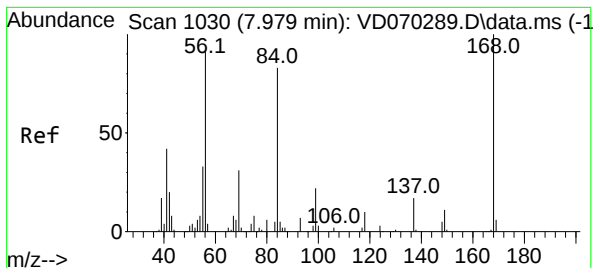
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070319.D

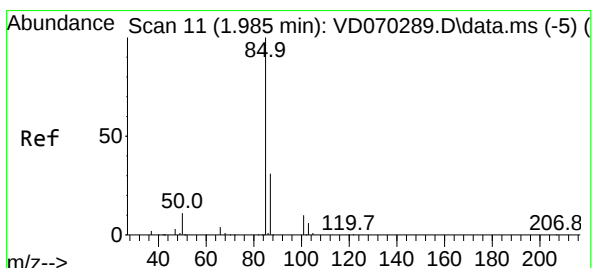
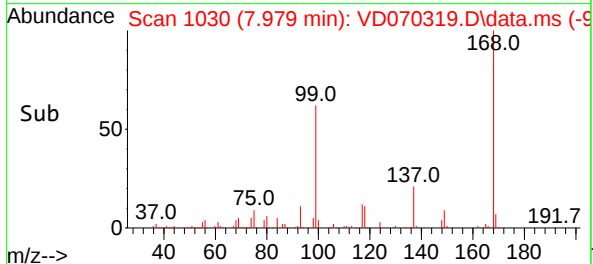
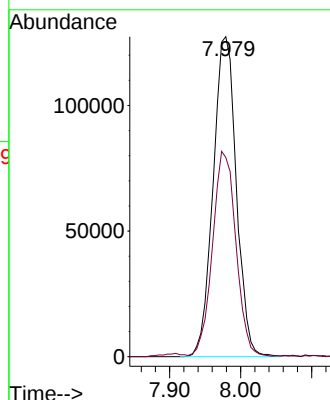
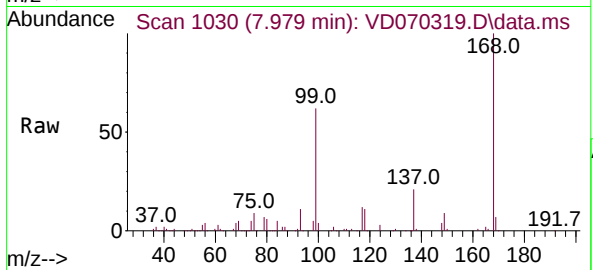
Acq: 13 Sep 2021 11:39

Tgt Ion:168 Resp: 288923

Ion Ratio Lower Upper

168 100

99 62.0 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070319.D

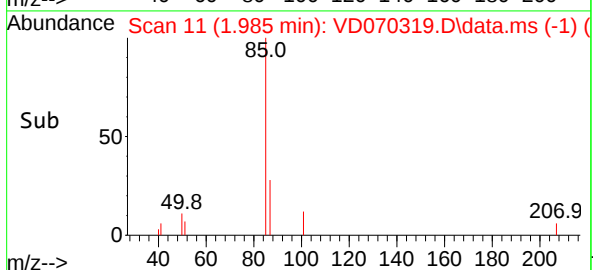
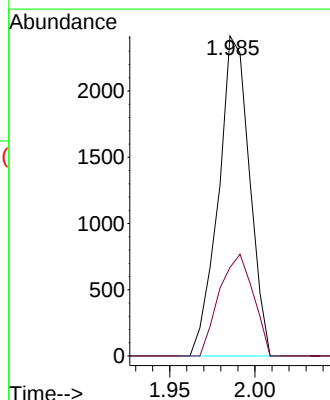
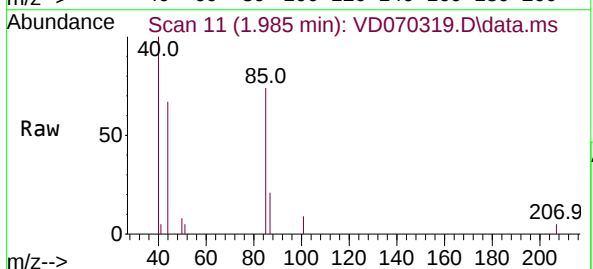
Acq: 13 Sep 2021 11:39

Tgt Ion: 85 Resp: 3055

Ion Ratio Lower Upper

85 100

87 27.6 15.6 46.8

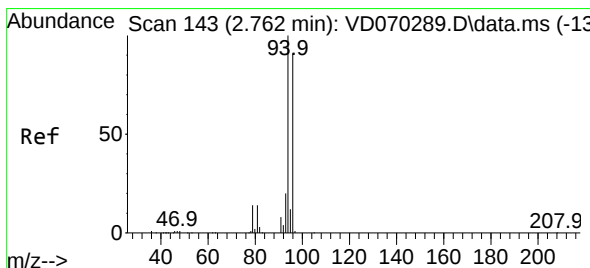
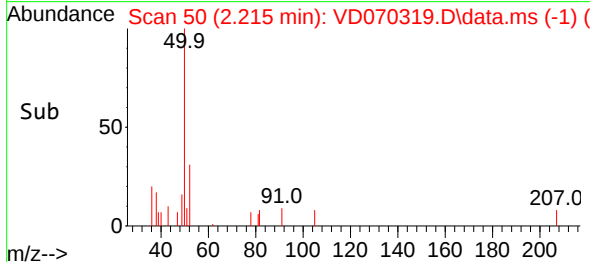
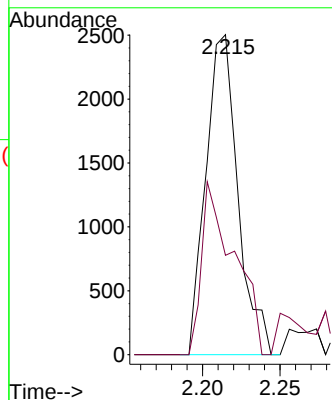
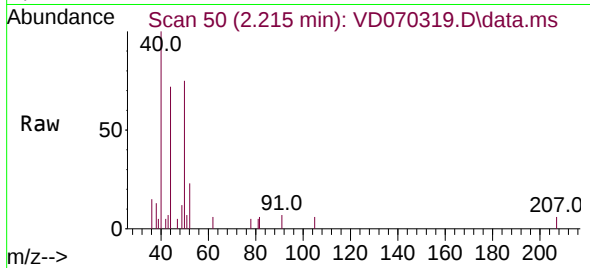




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

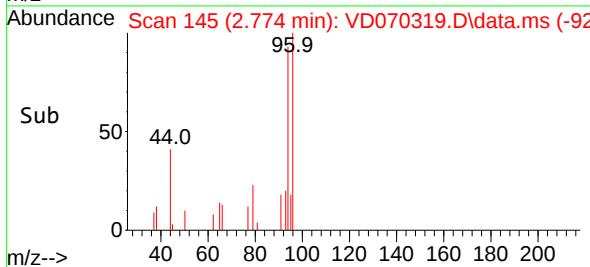
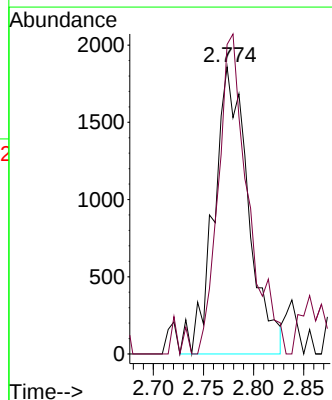
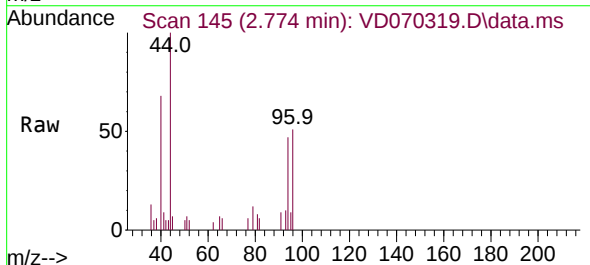
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

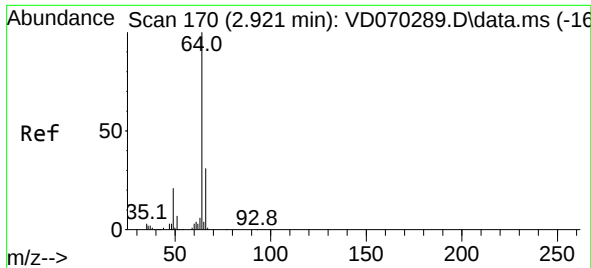
Tgt Ion: 50 Resp: 3606
Ion Ratio Lower Upper
50 100
52 31.1 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 94 Resp: 4458
Ion Ratio Lower Upper
94 100
96 107.7 73.0 109.6

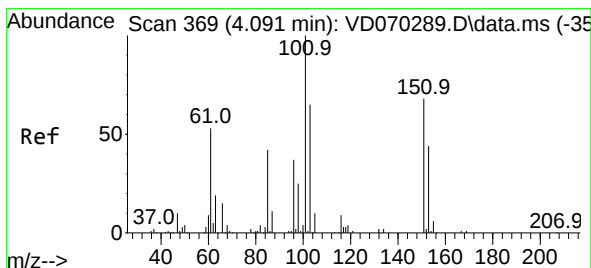
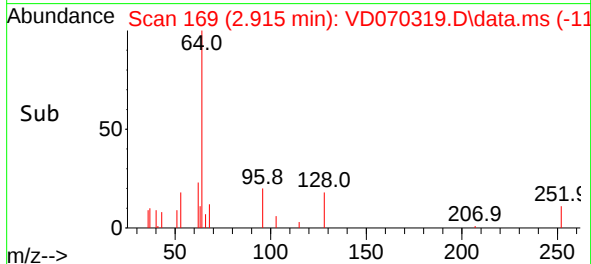
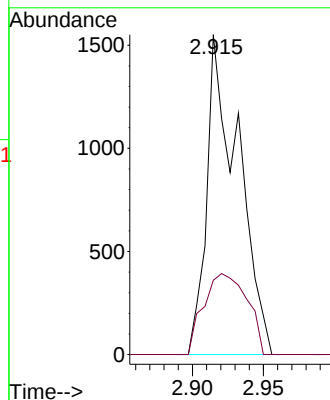
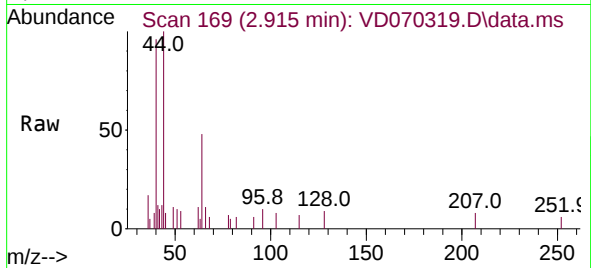




#6
Chloroethane
Concen: Below Cal
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

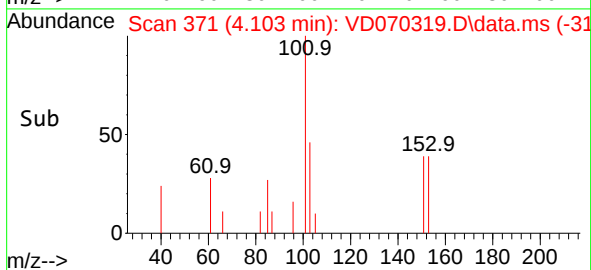
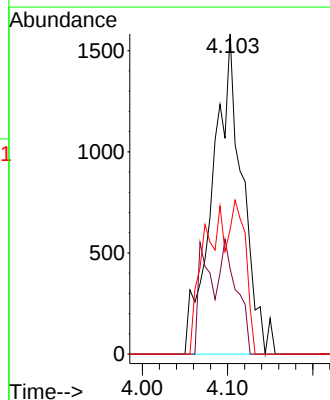
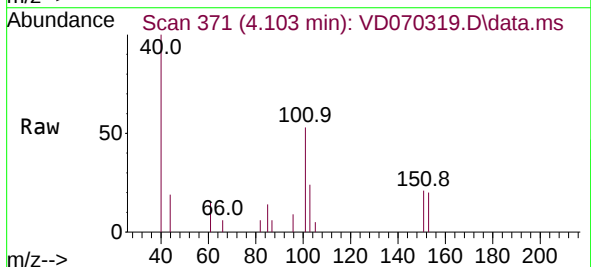
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

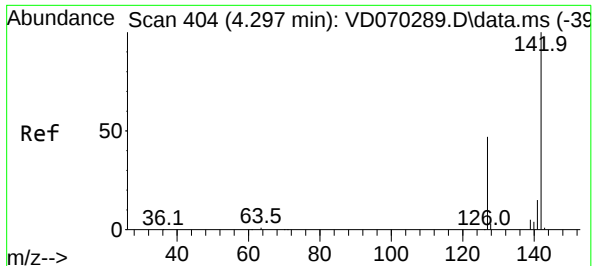
Tgt Ion: 64 Resp: 2392
Ion Ratio Lower Upper
64 100
66 23.2 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.034 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.012 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 101 Resp: 3862
Ion Ratio Lower Upper
101 100
85 20.6 33.8 50.8#
151 33.8 55.8 83.6#

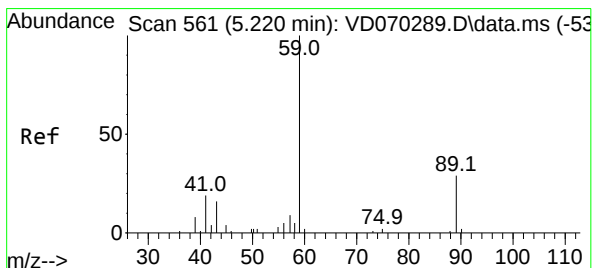
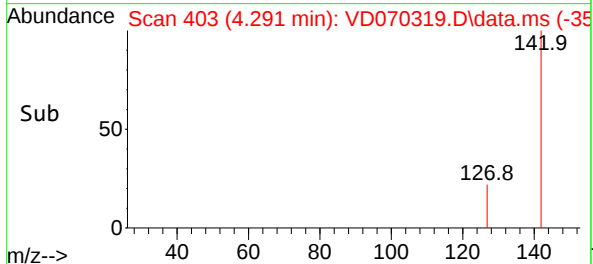
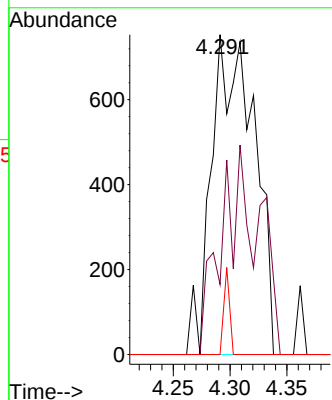
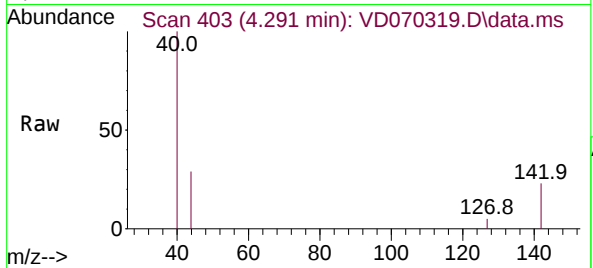




#10
Methyl Iodide
Concen: 1.570 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

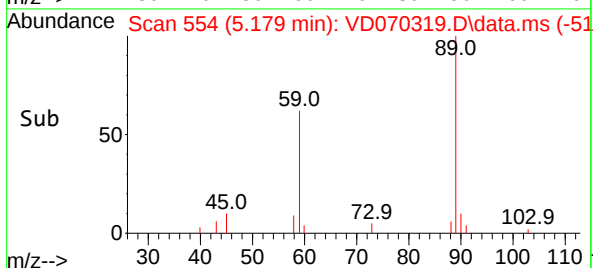
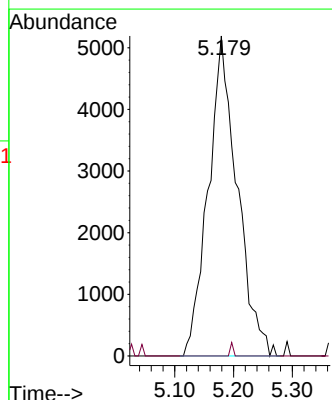
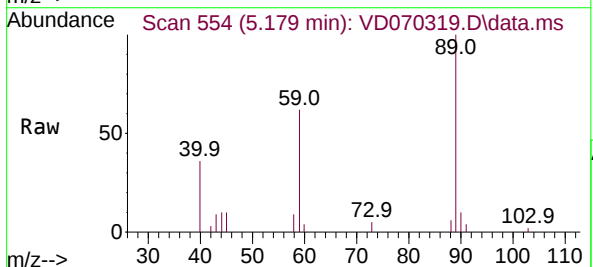
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

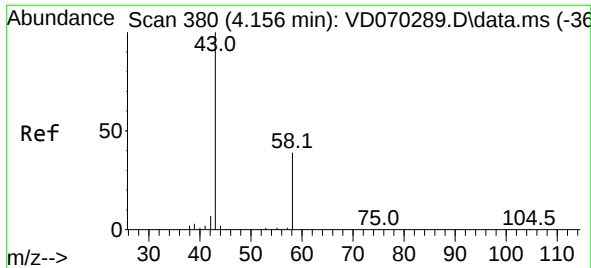
Tgt Ion:142 Resp: 1977
Ion Ratio Lower Upper
142 100
127 40.8 36.9 55.3
141 3.6 11.8 17.6#



#11
Tert butyl alcohol
Concen: 42.349 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 59 Resp: 17764
Ion Ratio Lower Upper
59 100
57 0.4 0.0 0.0#

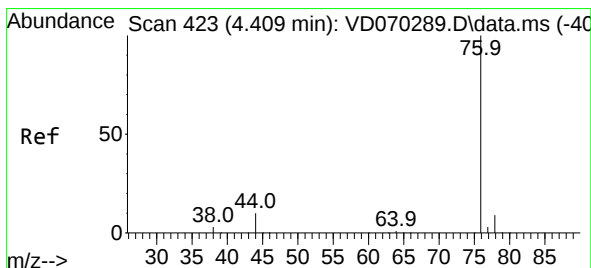
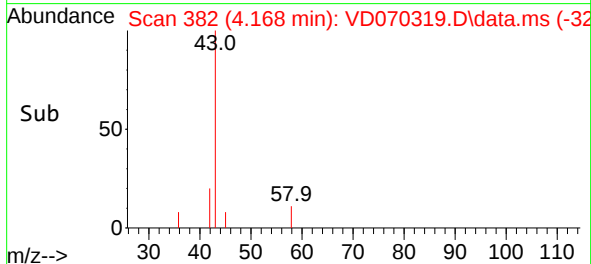
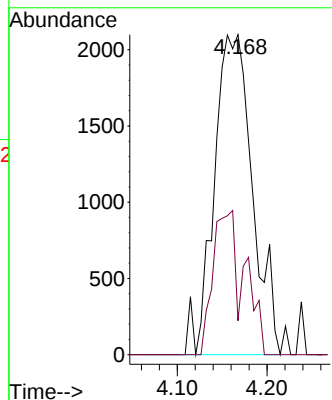
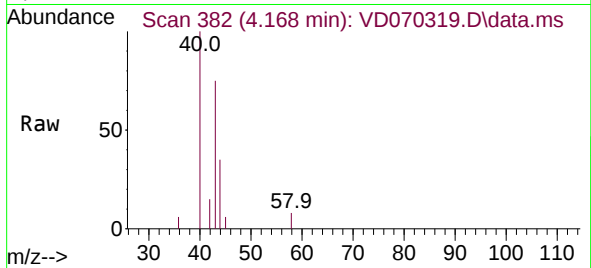




#16
Acetone
Concen: 9.421 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

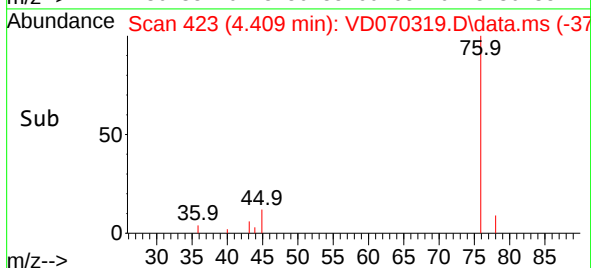
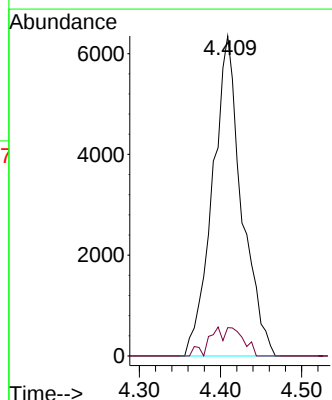
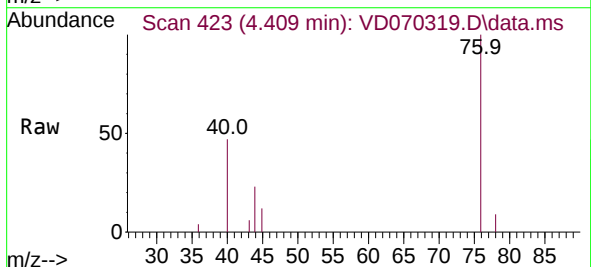
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

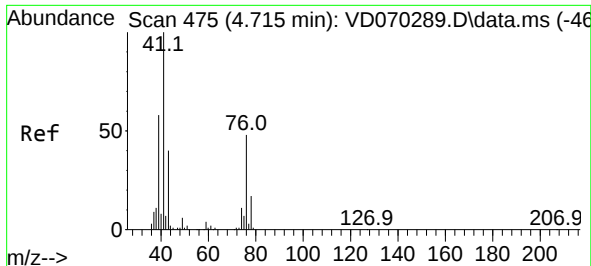
Tgt Ion: 43 Resp: 6240
Ion Ratio Lower Upper
43 100
58 10.6 30.9 46.3#



#17
Carbon Disulfide
Concen: 1.278 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 76 Resp: 15863
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.726 min Scan# 477

Delta R.T. 0.011 min

Lab File: VD070319.D

Acq: 13 Sep 2021 11:39

Instrument :

MSVOA_D

ClientSampleId :

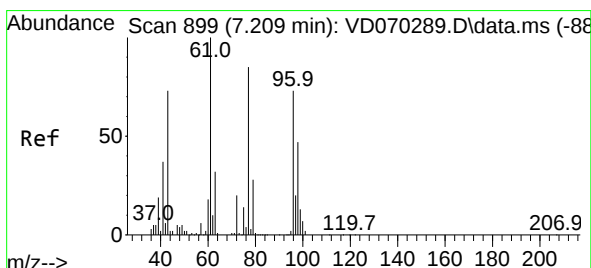
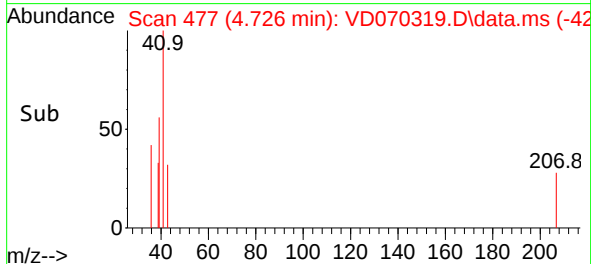
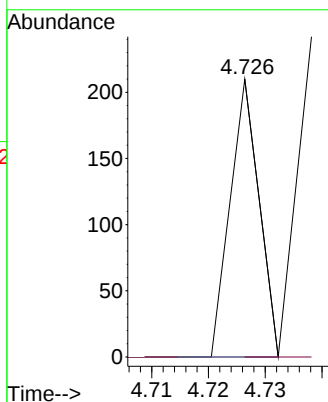
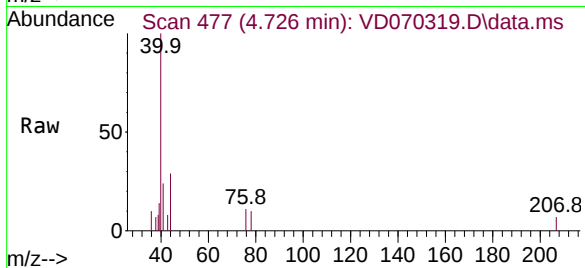
VD0913SBL01

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#25

2-Butanone

Concen: 3.709 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.006 min

Lab File: VD070319.D

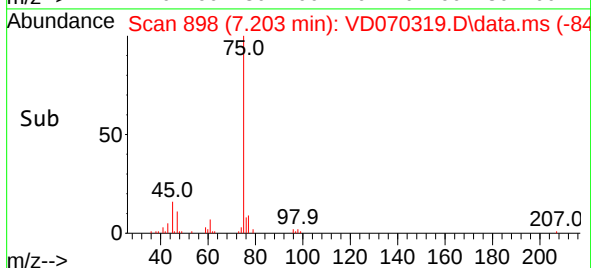
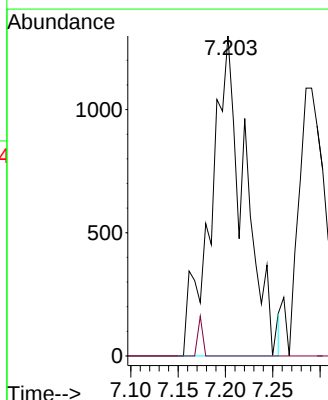
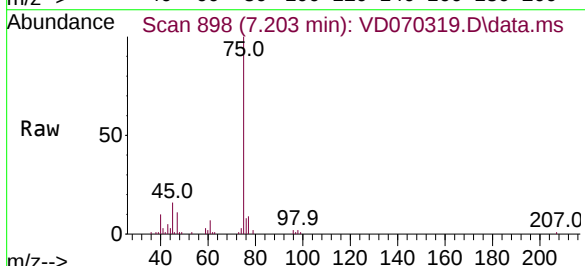
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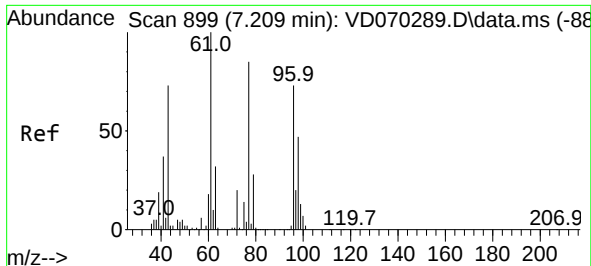
Tgt Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.4#





#26

2,2-Dichloropropane

Concen: 1.070 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD070319.D

Acq: 13 Sep 2021 11:39

Instrument :

MSVOA_D

ClientSampleId :

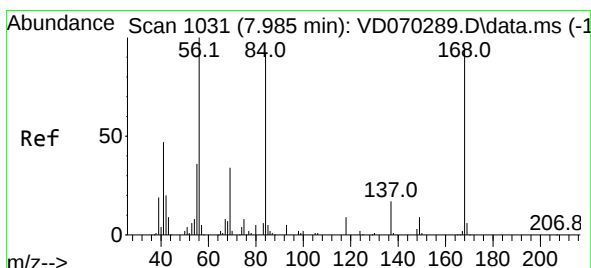
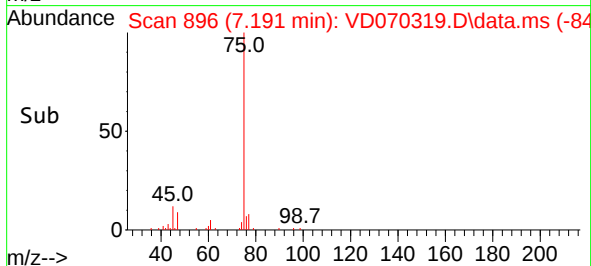
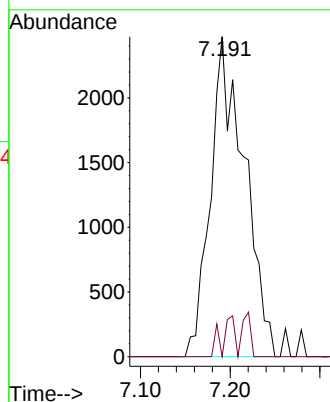
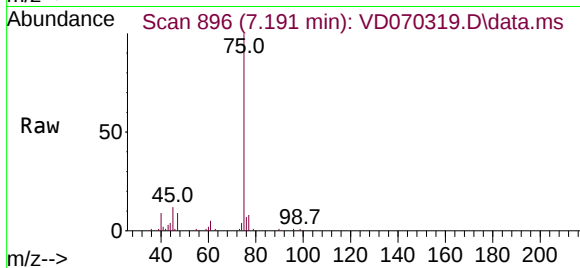
VD0913SBL01

Tgt Ion: 77 Resp: 6475

Ion Ratio Lower Upper

77 100

97 4.7 11.9 35.9#



#31

Cyclohexane

Concen: 1.625 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070319.D

Acq: 13 Sep 2021 11:39

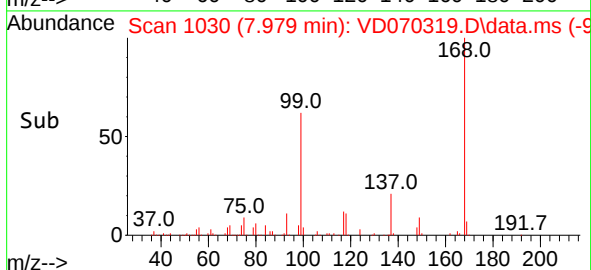
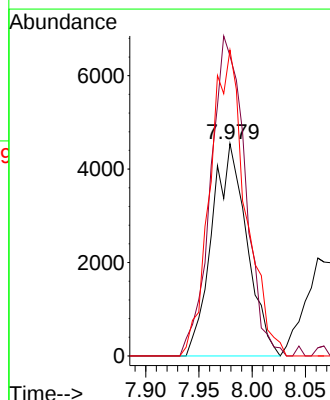
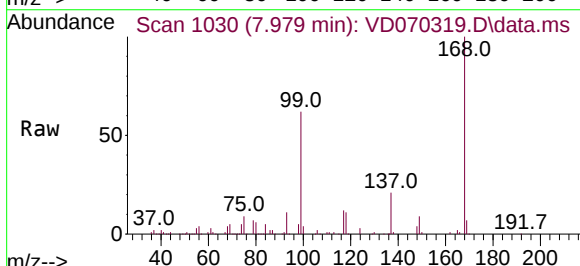
Tgt Ion: 56 Resp: 10384

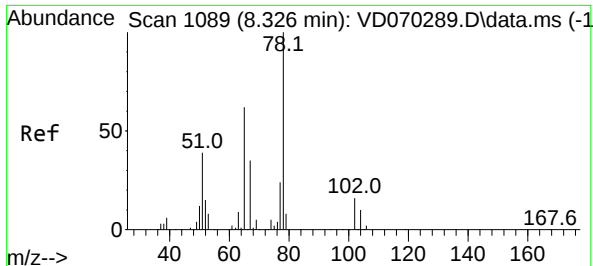
Ion Ratio Lower Upper

56 100

69 141.4 26.9 40.3#

84 144.1 73.6 110.4#

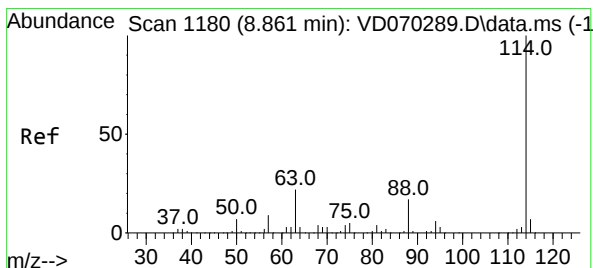
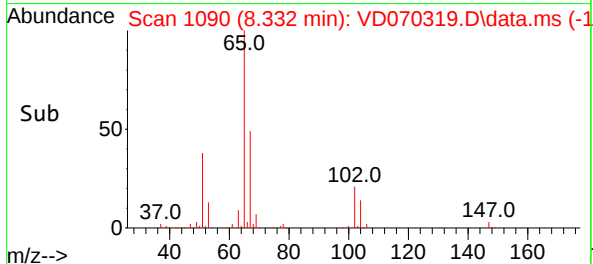
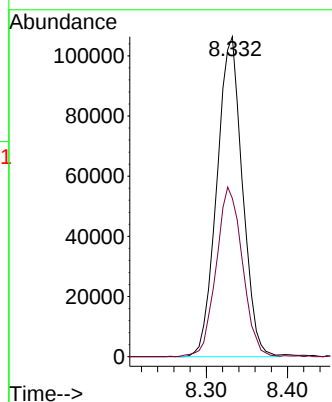
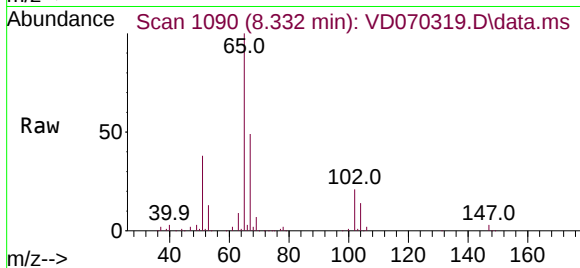




#33
1,2-Dichloroethane-d4
Concen: 62.770 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

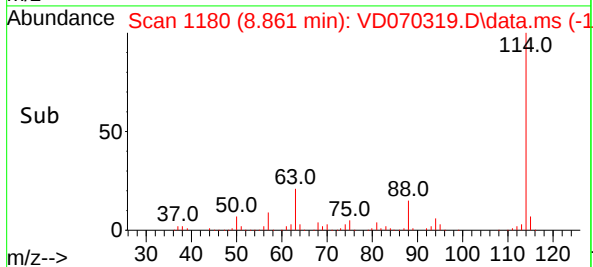
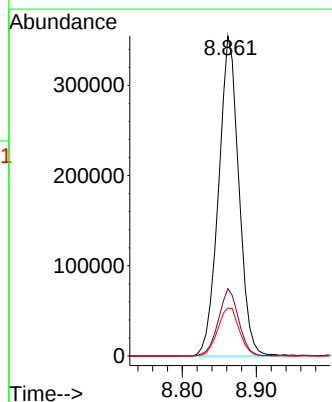
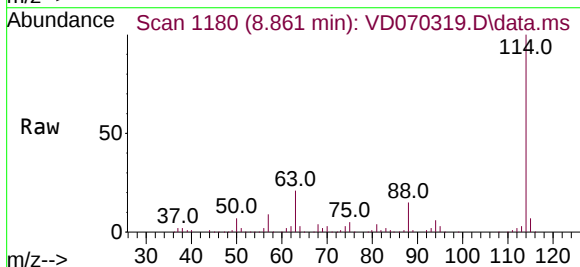
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

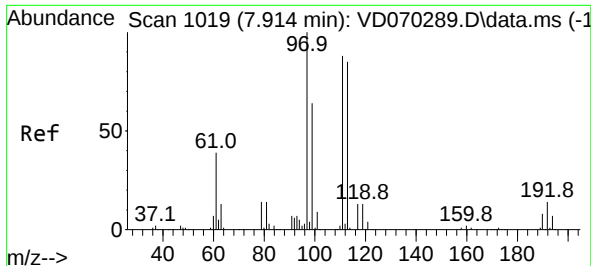
Tgt Ion: 65 Resp: 232867
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 114 Resp: 672125
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.435 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070319.D

Acq: 13 Sep 2021 11:39

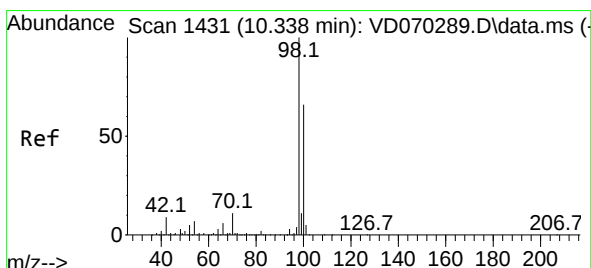
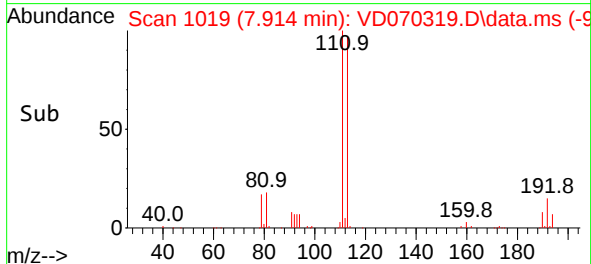
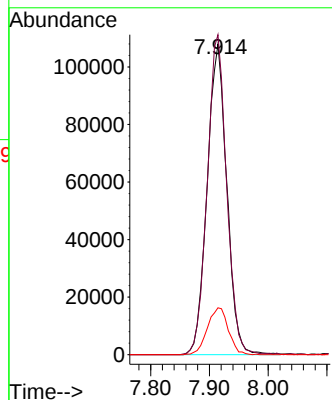
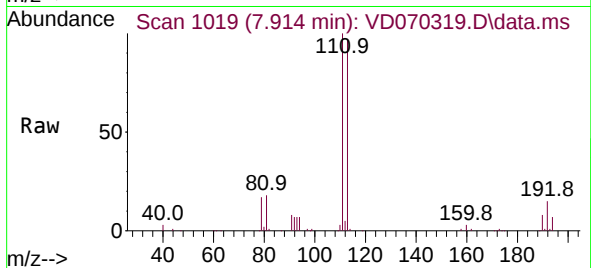
Tgt Ion:113 Resp: 250865

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 16.1 13.0 19.6



#50

Toluene-d8

Concen: 52.879 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD070319.D

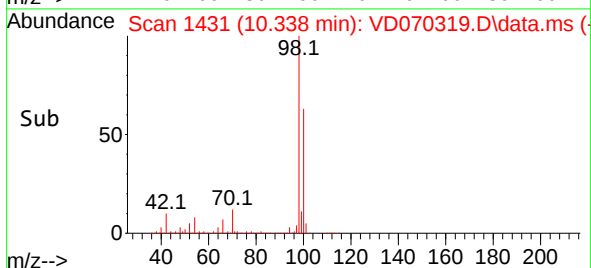
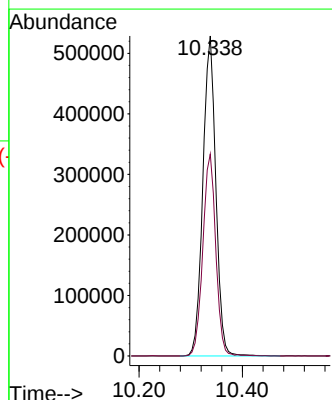
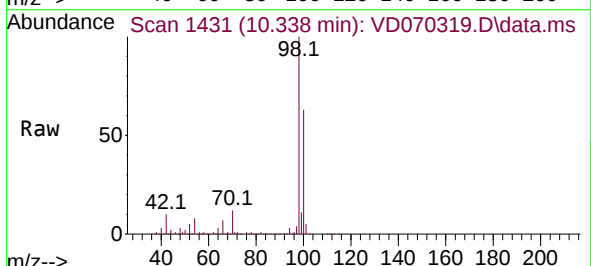
Acq: 13 Sep 2021 11:39

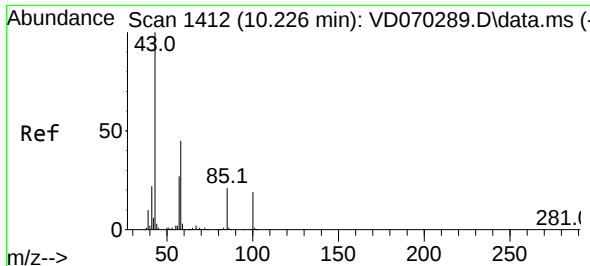
Tgt Ion: 98 Resp: 918537

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0

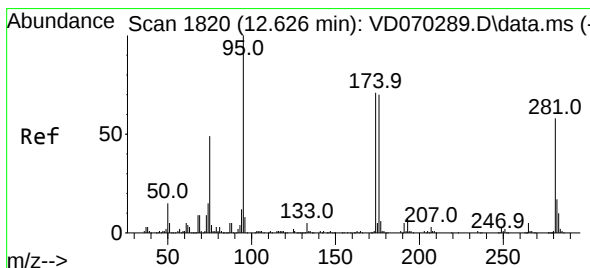
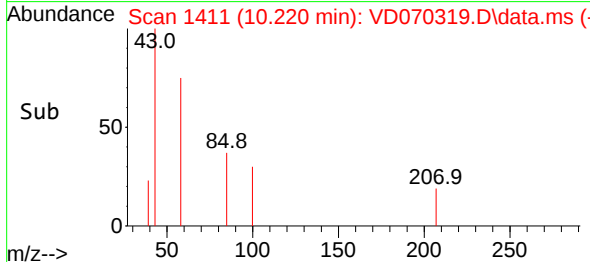
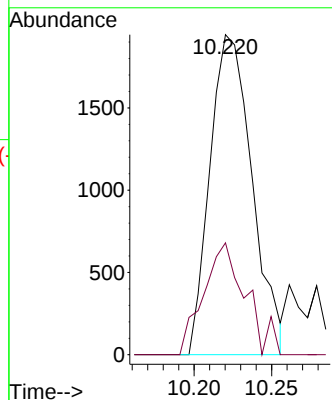
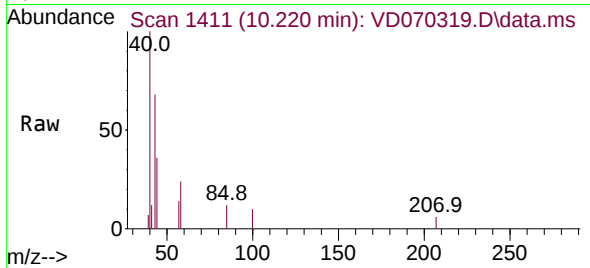




#51
4-Methyl-2-Pentanone
Concen: 1.432 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

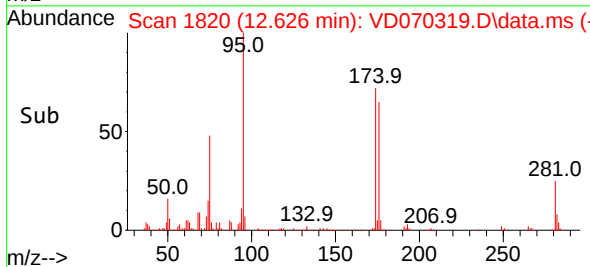
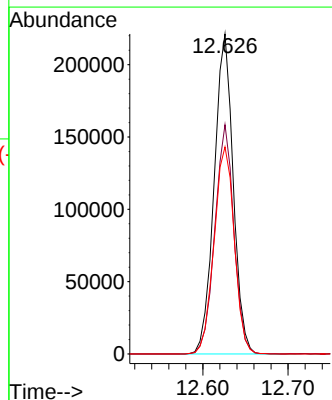
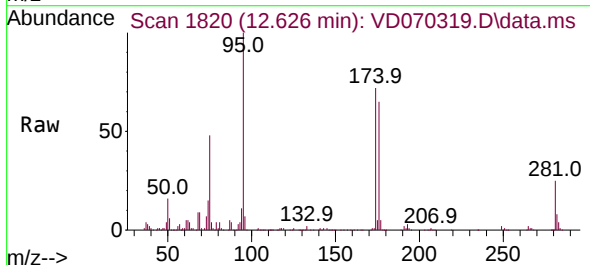
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

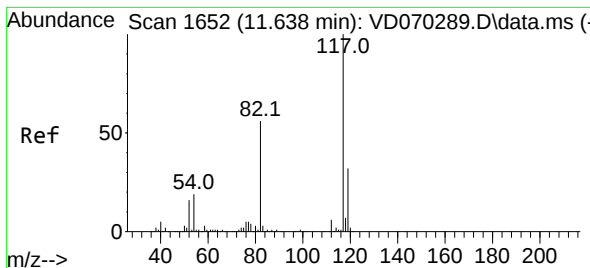
Tgt Ion: 43 Resp: 3681
Ion Ratio Lower Upper
43 100
58 34.8 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 56.486 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 95 Resp: 342913
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.6
176 68.6 0.0 137.4

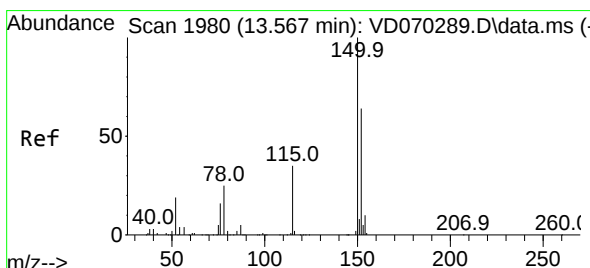
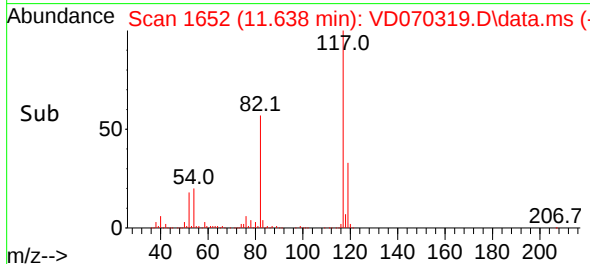
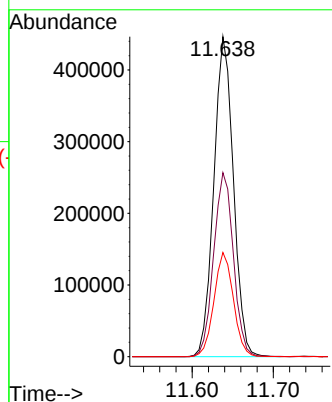
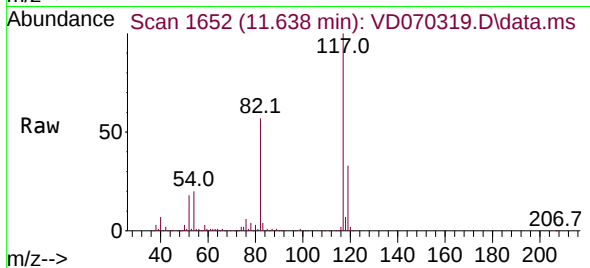




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

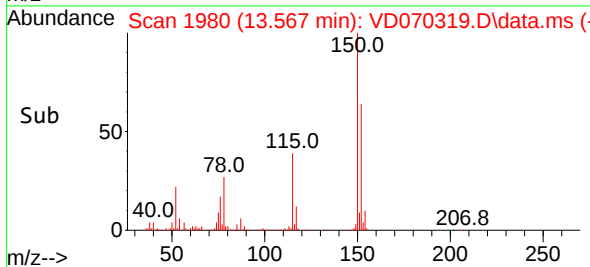
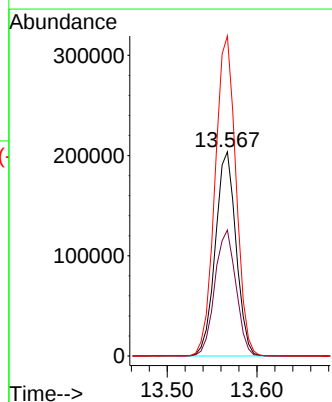
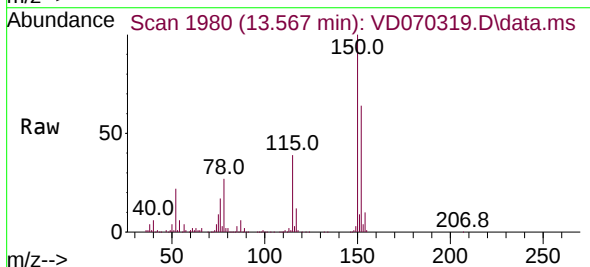
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

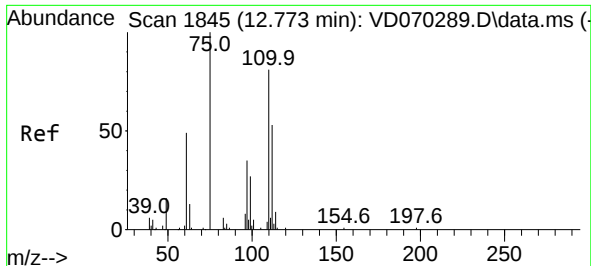
Tgt Ion:	117	Resp:	748798
Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.0	67.4
119	32.6	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion:	152	Resp:	326100
Ion	Ratio	Lower	Upper
152	100		
115	63.1	32.1	96.3
150	158.5	0.0	350.6

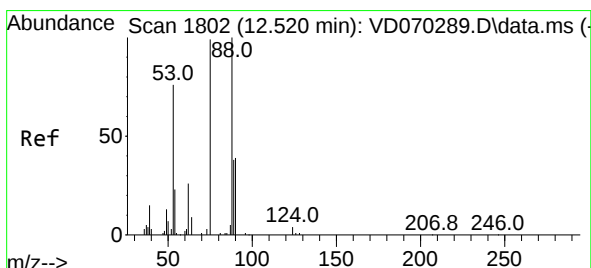
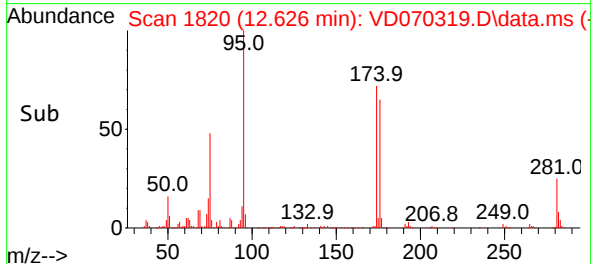
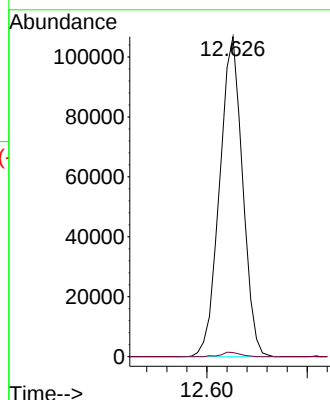
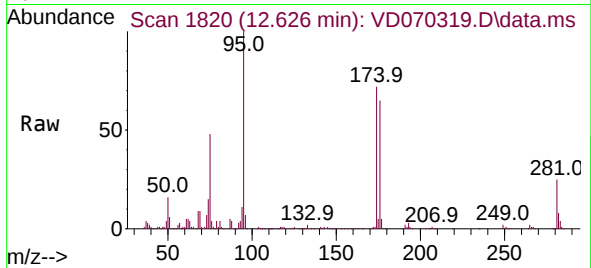




#76
1,2,3-Trichloropropane
Concen: 51.351 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

Tgt Ion: 75 Resp: 169383
Ion Ratio Lower Upper
75 100
77 1.2 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.664 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070319.D
Acq: 13 Sep 2021 11:39

Tgt Ion: 75 Resp: 169383
Ion Ratio Lower Upper
75 100
53 0.3 64.2 96.2#
89 0.4 35.6 53.4#

