

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068308.D
 Acq On : 05 Feb 2021 19:02
 Operator : VA/SY
 Sample : M1291-22RE
 Misc : 4.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-005-0205

Quant Time: Feb 05 21:45:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

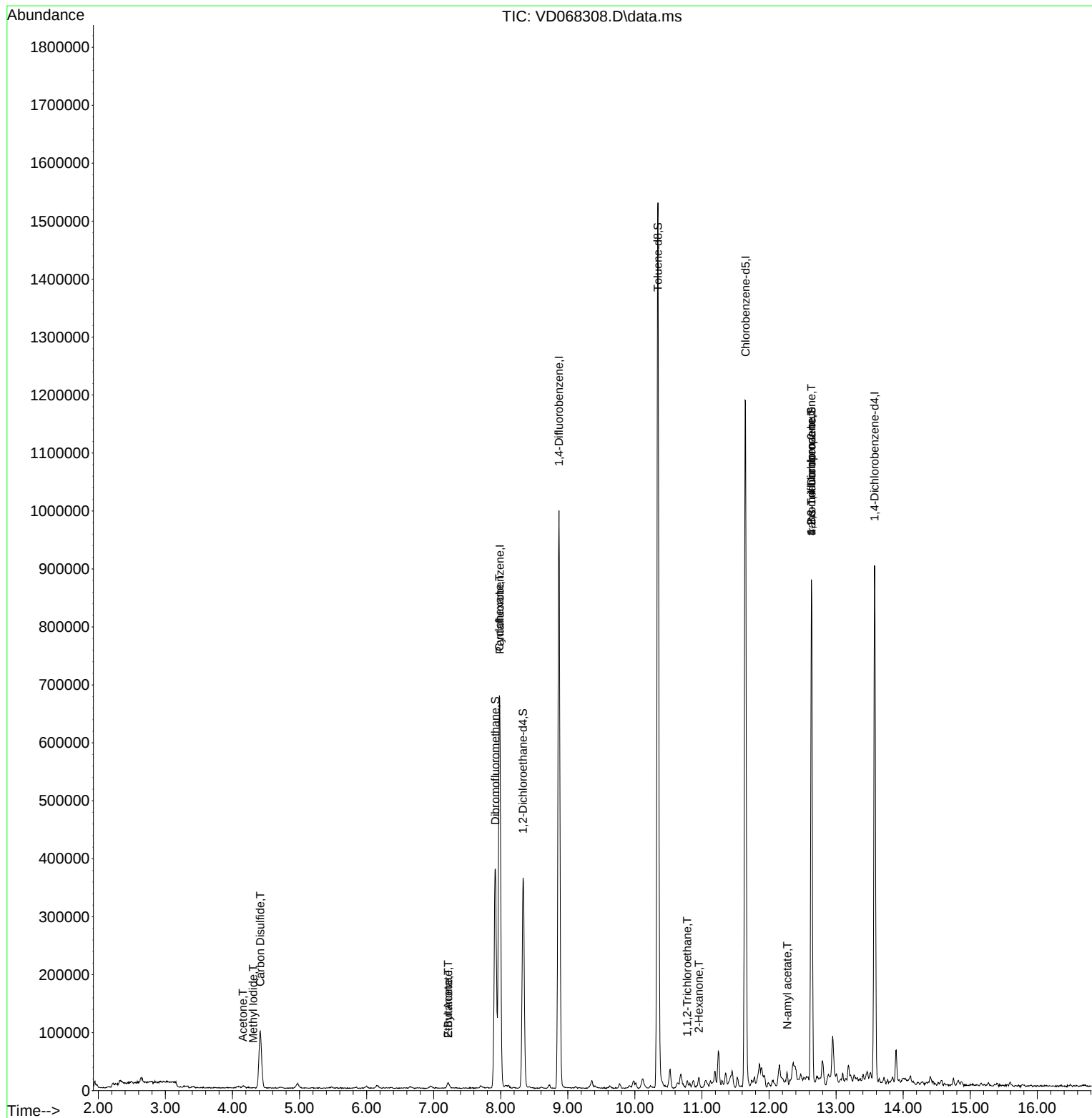
Internal Standards						
1) Pentafluorobenzene	7.985	168	530802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	906727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	740715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	250518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	296114	58.32	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.64%			
35) Dibromofluoromethane	7.920	113	281432	56.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.28%			
50) Toluene-d8	10.344	98	1071418	53.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.86%			
62) 4-Bromofluorobenzene	12.632	95	297886	41.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.50%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	597	3.25	ug/l #	80
11) Tert butyl alcohol	5.209	59	83	Below Cal	#	74
16) Acetone	4.156	43	7279	8.03	ug/l	94
17) Carbon Disulfide	4.415	76	214206	11.44	ug/l	98
20) Methylene Chloride	4.973	84	6179	Below Cal		92
25) 2-Butanone	7.214	43	10601	7.77	ug/l	96
31) Cyclohexane	7.979	56	12410	1.13	ug/l #	6
37) Ethyl Acetate	7.214	43	10601	3.28	ug/l #	72
55) 1,1,2-Trichloroethane	10.779	97	4737	1.05	ug/l #	31
59) 2-Hexanone	10.955	43	7477	3.44	ug/l #	21
74) N-amyl acetate	12.273	43	4386	1.01	ug/l #	45
76) 1,2,3-Trichloropropane	12.632	75	152229	62.85	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	152229	127.17	ug/l #	14

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

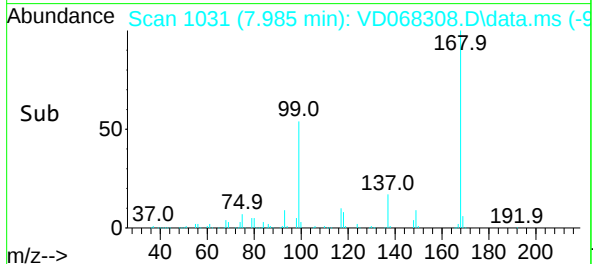
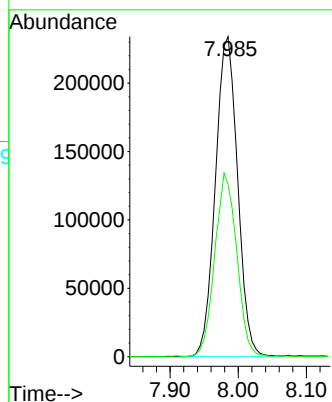
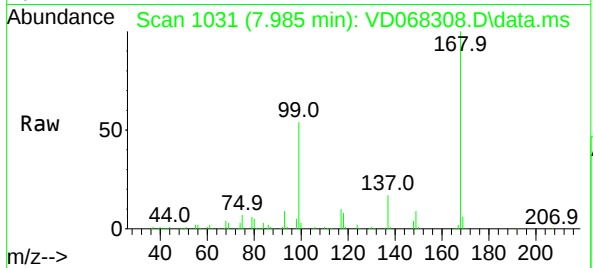




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

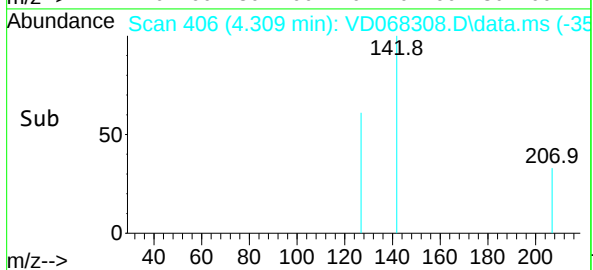
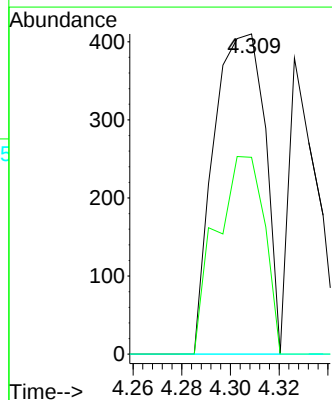
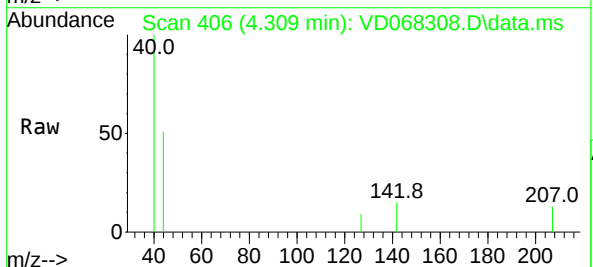
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

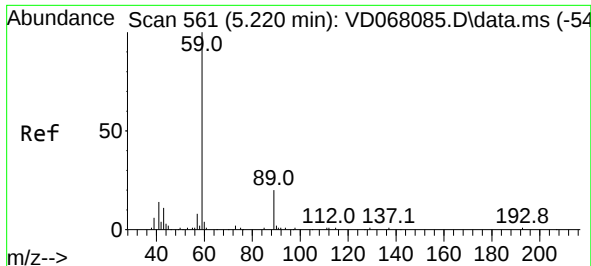
Tgt Ion:168 Resp: 530802
Ion Ratio Lower Upper
168 100
99 53.6 43.5 65.3



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
127 58.1 37.9 56.9#
141 0.0 11.5 17.3#



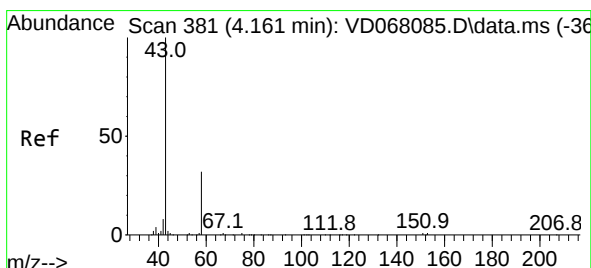
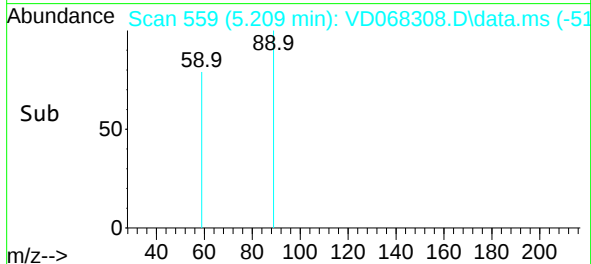
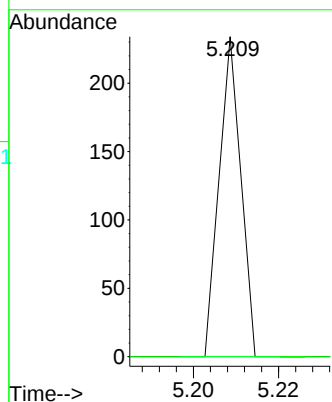
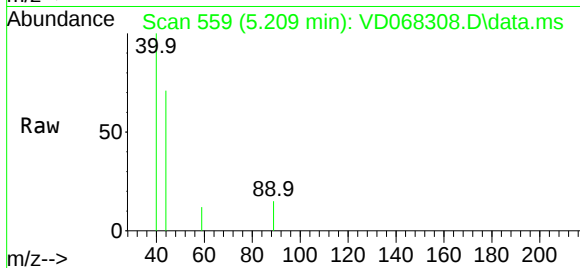


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

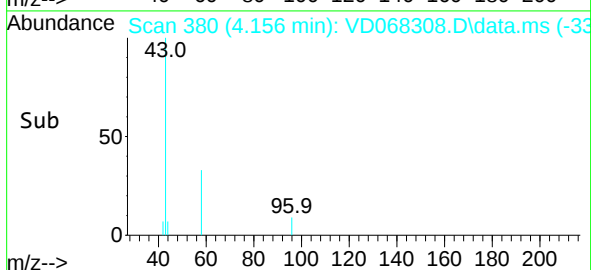
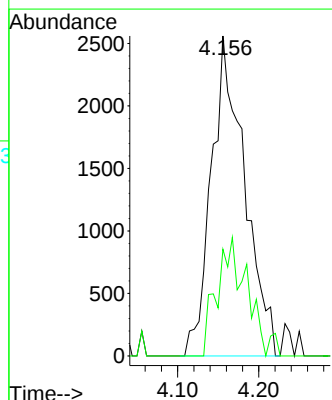
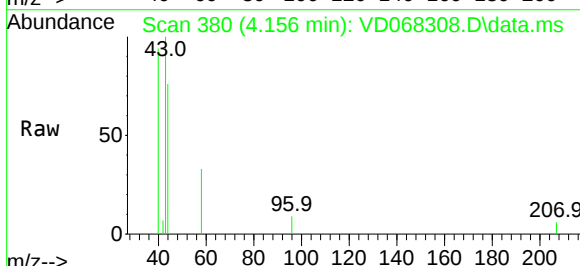
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

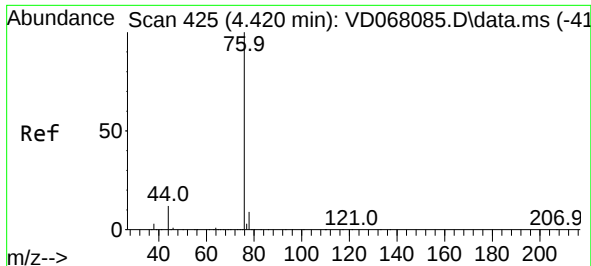


#16

Acetone
Concen: 8.03 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

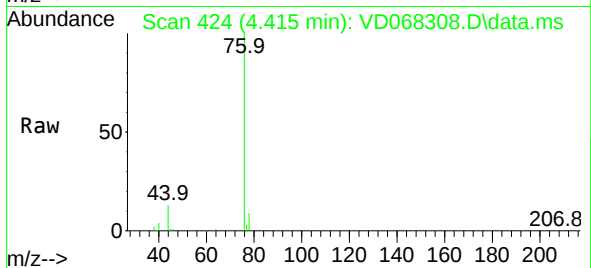
Tgt Ion: 43 Resp: 7279
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4



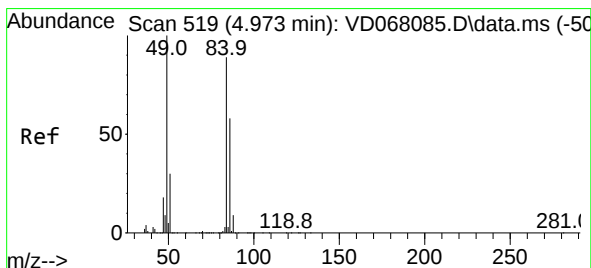
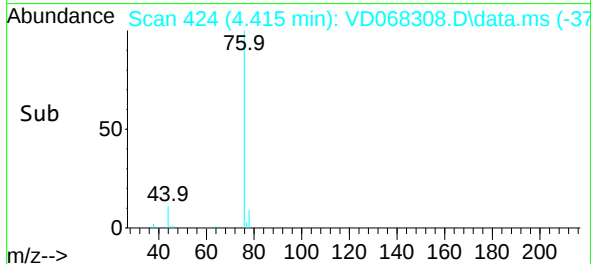
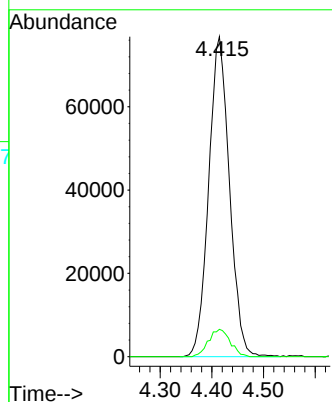


#17
Carbon Disulfide
Concen: 11.44 ug/l
RT: 4.415 min Scan# 424
Delta R.T. -0.006 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

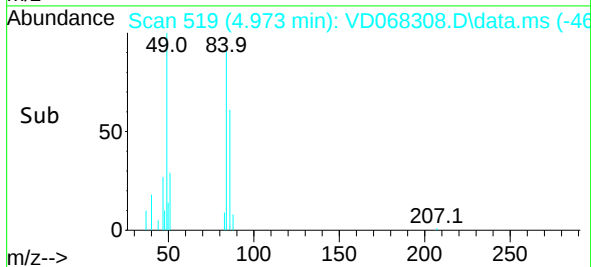
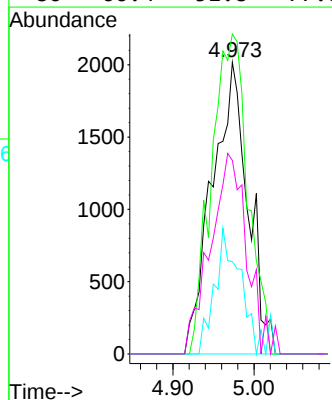
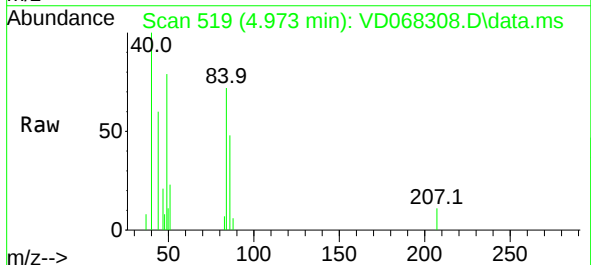


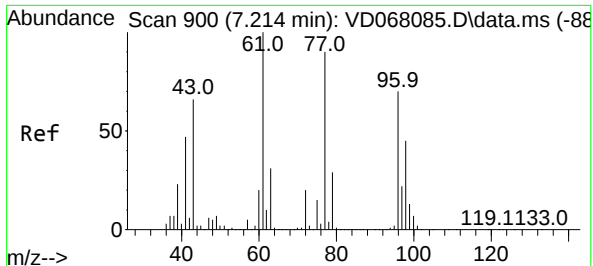
Tgt Ion: 76 Resp: 214206
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion: 84 Resp: 6179
Ion Ratio Lower Upper
84 100
49 109.7 77.4 116.2
51 31.7 26.1 39.1
86 66.4 51.8 77.8

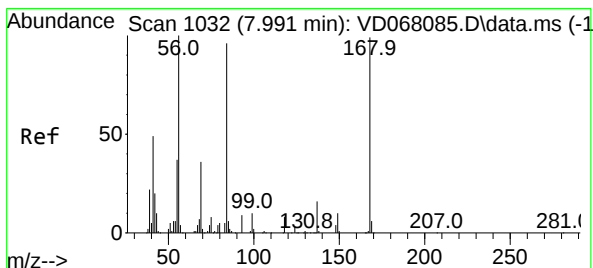
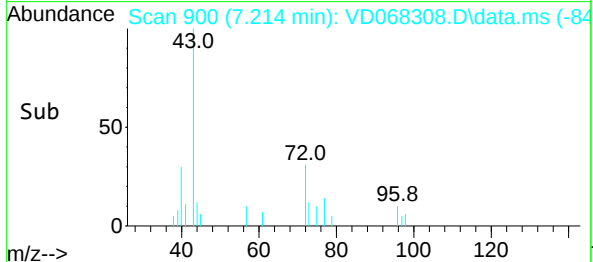
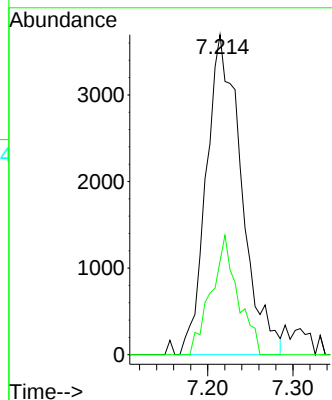
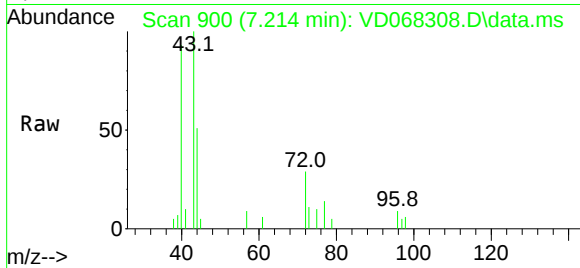




#25
2-Butanone
Concen: 7.77 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

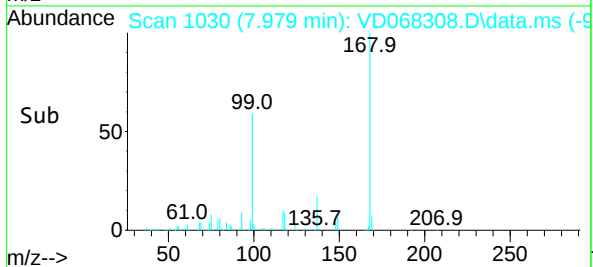
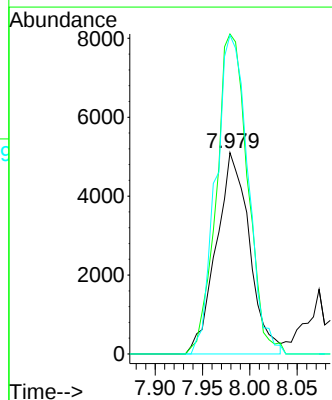
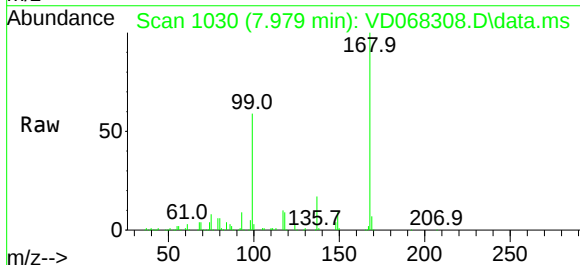
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

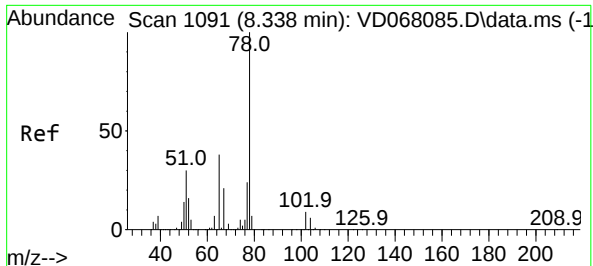
Tgt Ion: 43 Resp: 10601
Ion Ratio Lower Upper
43 100
72 29.2 25.1 37.7



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion: 56 Resp: 12410
Ion Ratio Lower Upper
56 100
69 158.9 30.1 45.1#
84 158.2 82.1 123.1#

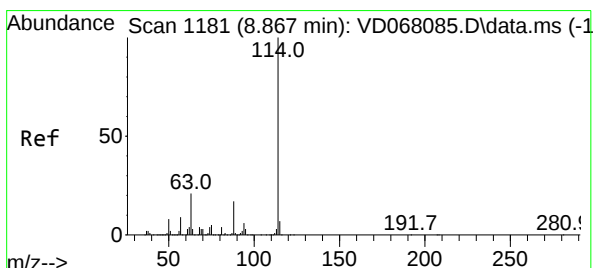
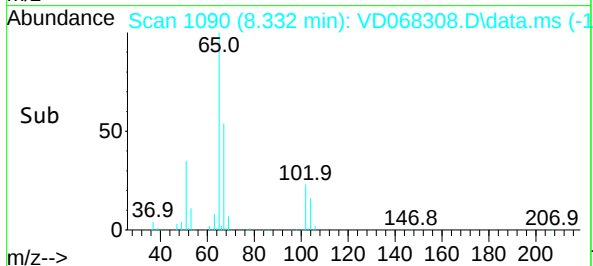
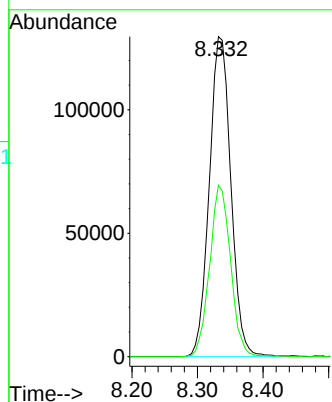
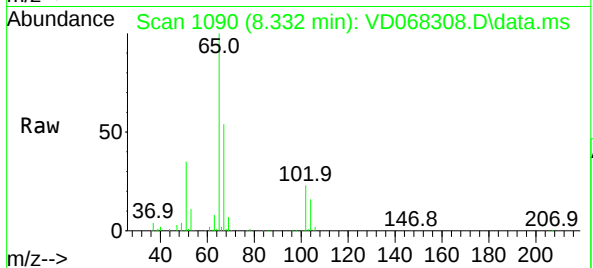




#33
1,2-Dichloroethane-d4
Concen: 58.32 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

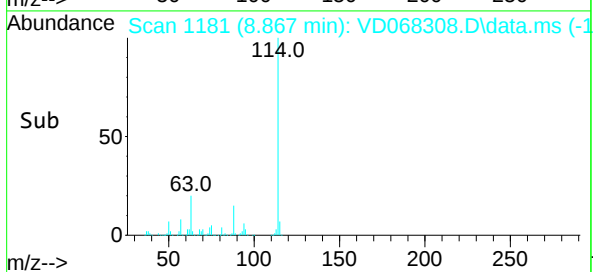
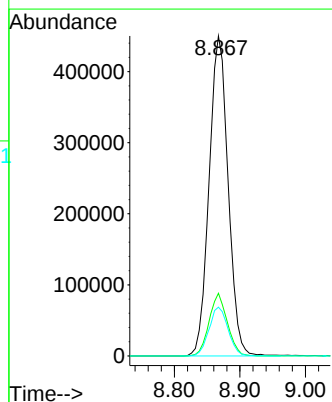
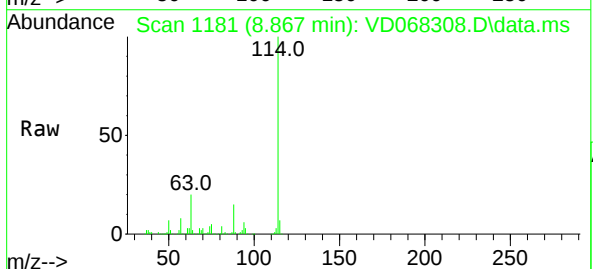
Instrument :
MSVOA_D
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OU421-005-0205

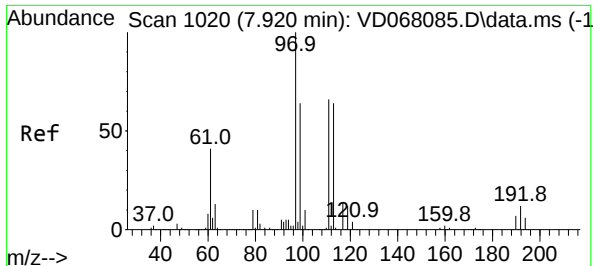
Tgt Ion: 65 Resp: 296114
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion: 114 Resp: 906727
Ion Ratio Lower Upper
114 100
63 19.6 0.0 34.8
88 15.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.14 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068308.D

Acq: 05 Feb 2021 19:02

Tgt Ion:113 Resp: 281432

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

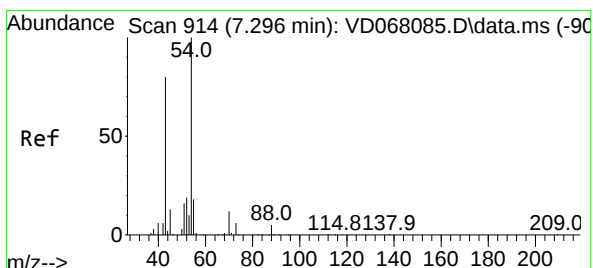
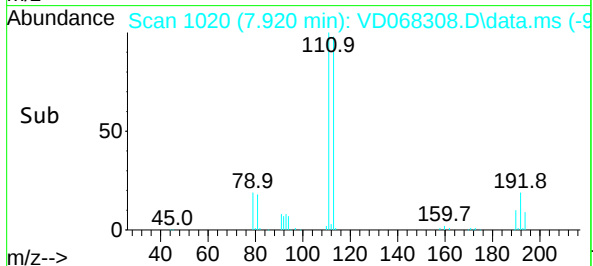
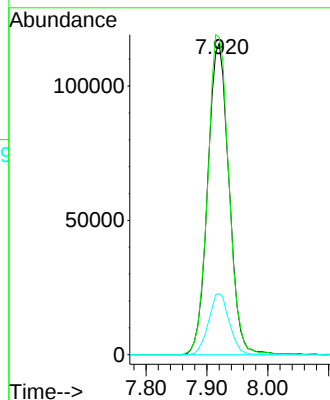
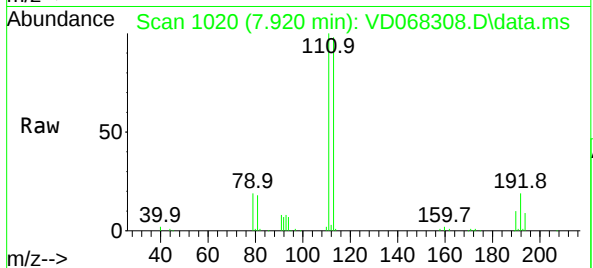
192 19.0 16.1 24.1

Instrument :

MSVOA_D

ClientSampleId :

OU421-005-0205



#37

Ethyl Acetate

Concen: 3.28 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.082 min

Lab File: VD068308.D

Acq: 05 Feb 2021 19:02

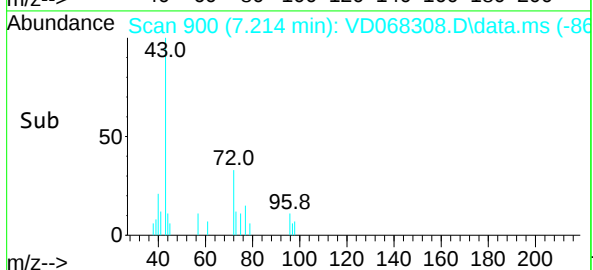
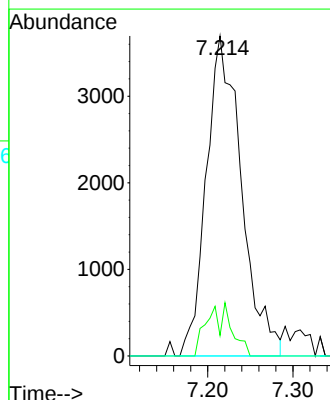
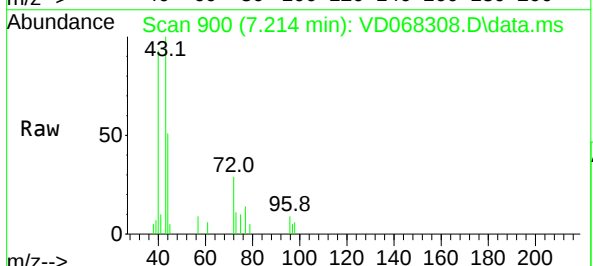
Tgt Ion: 43 Resp: 10601

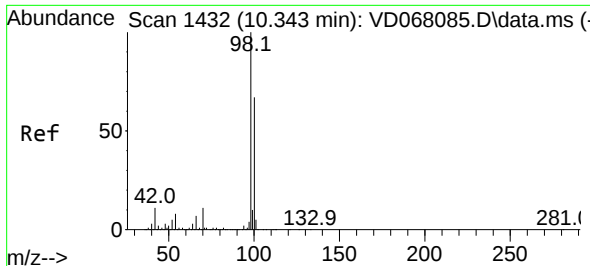
Ion Ratio Lower Upper

43 100

61 6.4 12.9 19.3#

70 0.0 11.0 16.6#

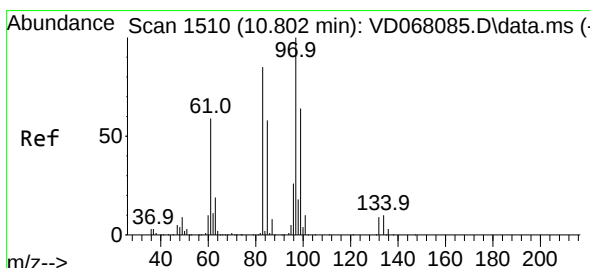
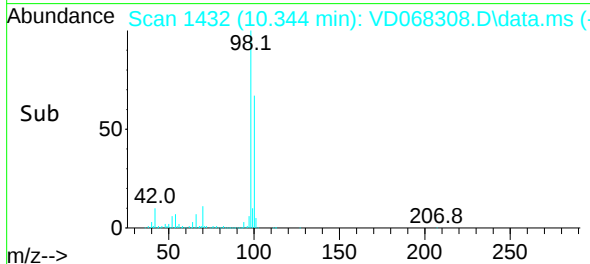
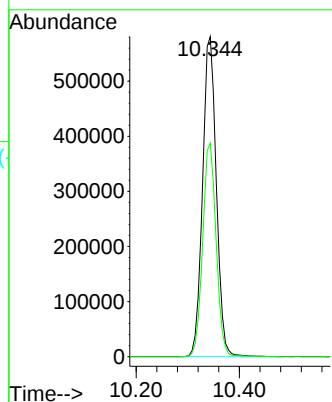
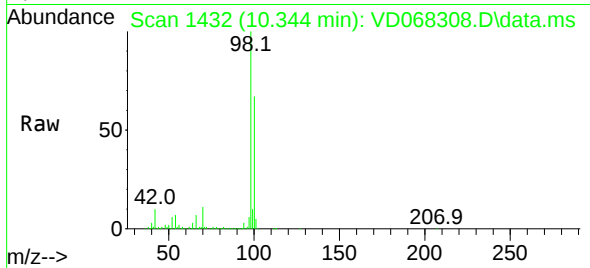




#50
Toluene-d8
Concen: 53.43 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

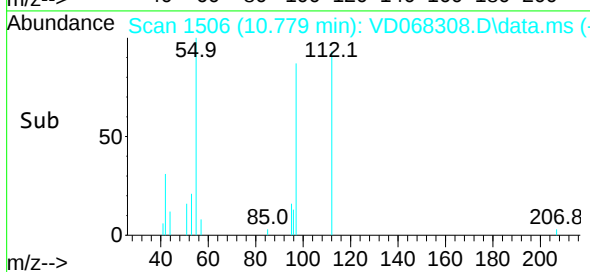
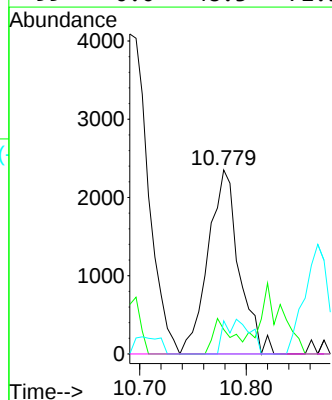
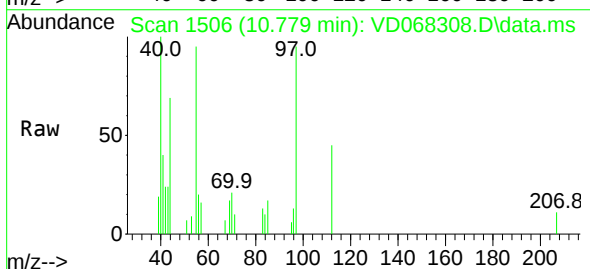
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

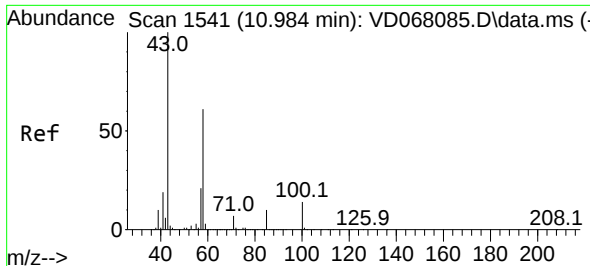
Tgt Ion: 98 Resp: 1071418
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.05 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion: 97 Resp: 4737
Ion Ratio Lower Upper
97 100
83 13.3 61.8 92.6#
85 18.0 42.2 63.2#
99 0.0 48.3 72.5#

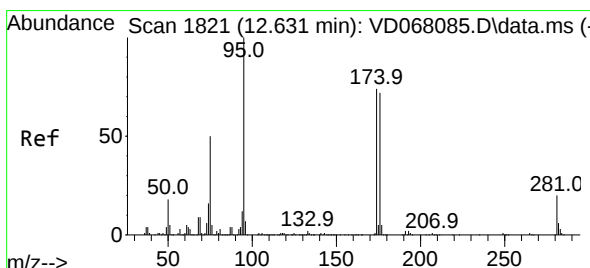
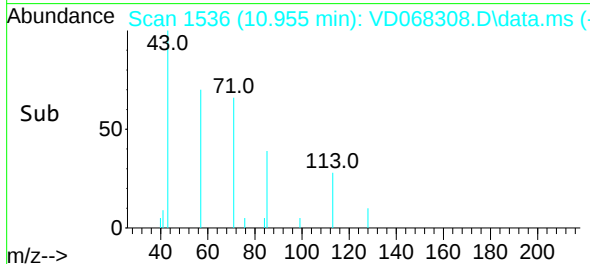
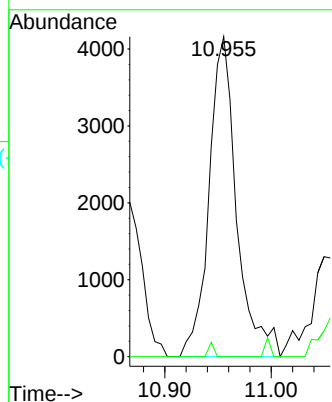
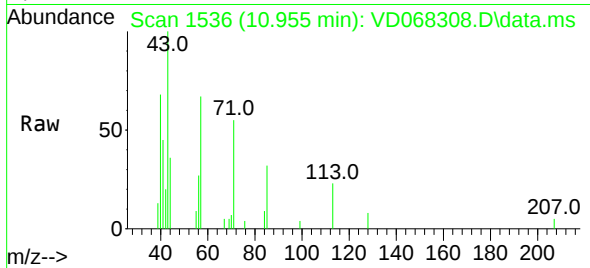




#59
2-Hexanone
Concen: 3.44 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

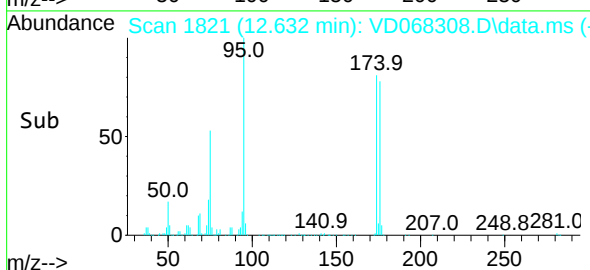
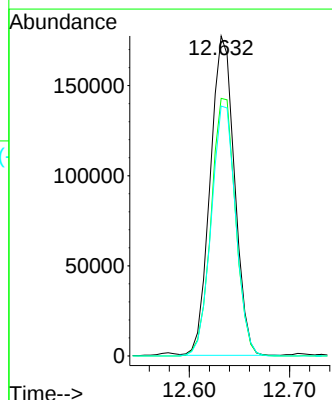
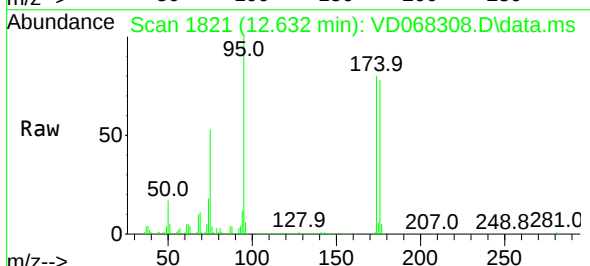
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

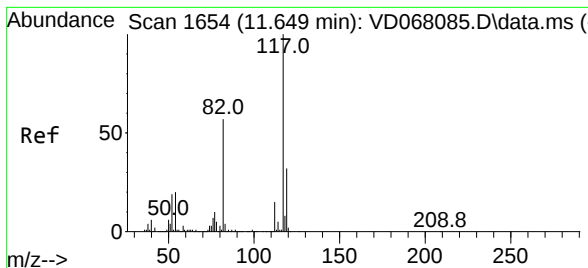
Tgt Ion: 43 Resp: 7477
Ion Ratio Lower Upper
43 100
58 0.9 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 41.25 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

Tgt Ion: 95 Resp: 297886
Ion Ratio Lower Upper
95 100
174 80.9 0.0 172.4
176 78.9 0.0 168.4

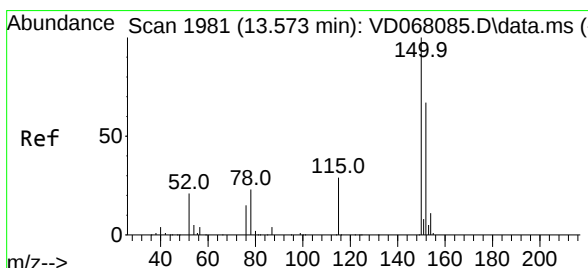
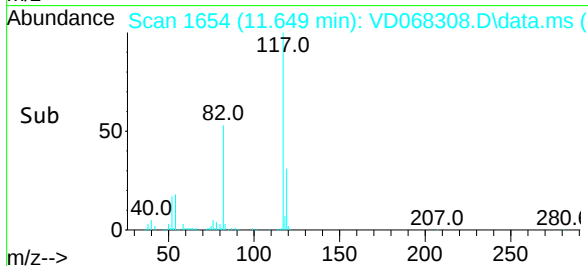
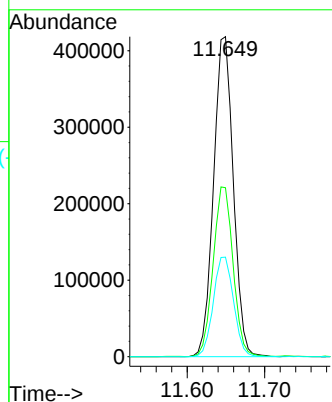
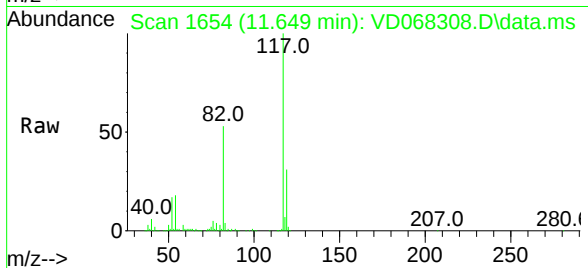




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

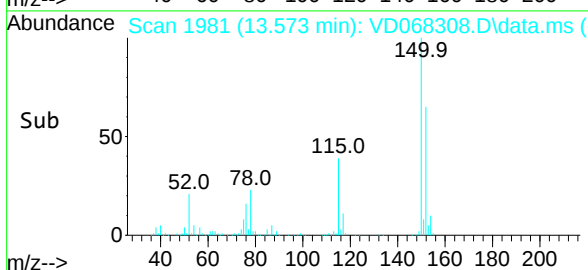
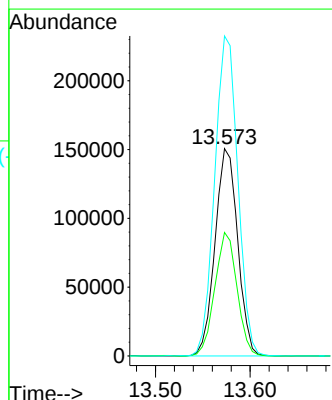
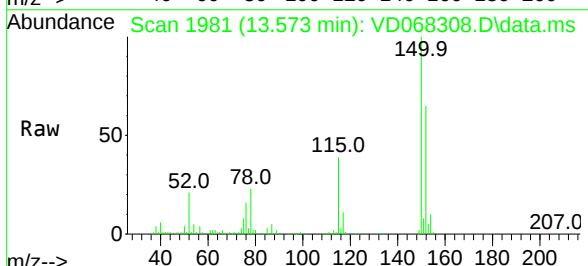
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

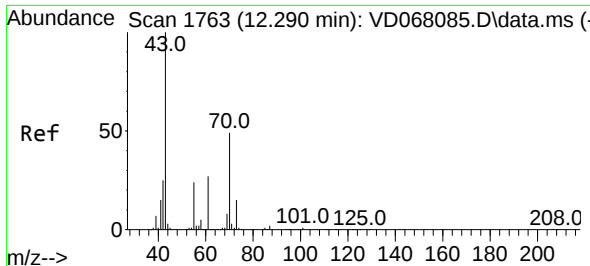
Tgt Ion:	117	Resp:	740715
Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.4	62.0
119	31.1	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

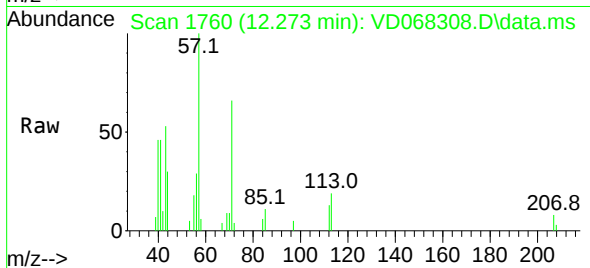
Tgt Ion:	152	Resp:	250518
Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	157.9	0.0	344.4



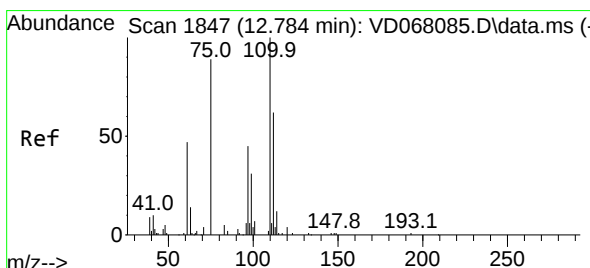
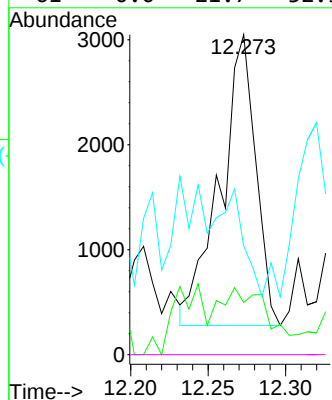
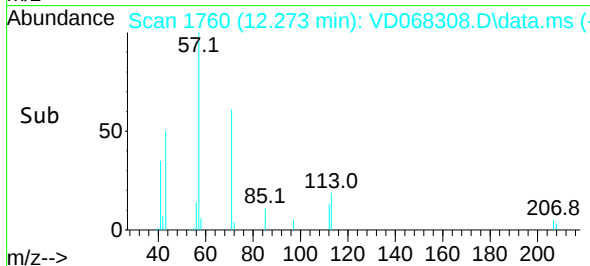


#74
N-amy1 acetate
Concen: 1.01 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.017 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02

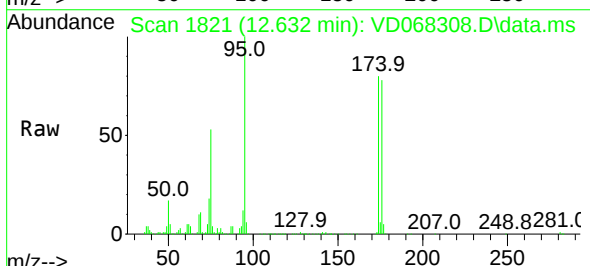
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205



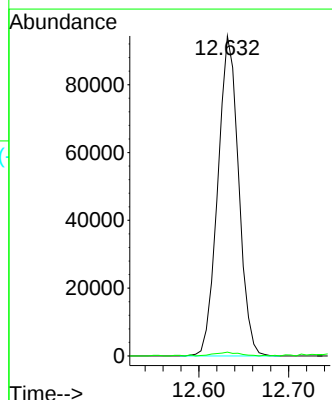
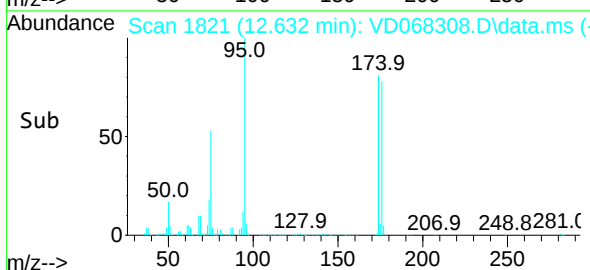
Tgt Ion: 43	Resp: 4386
Ion Ratio	Lower Upper
43 100	
70 13.2	41.8 62.8#
55 0.0	24.2 36.4#
61 0.0	21.7 32.5#

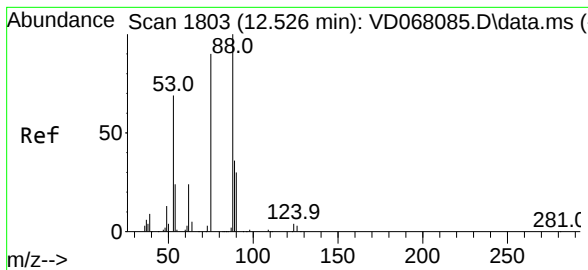


#76
1,2,3-Trichloropropane
Concen: 62.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068308.D
Acq: 05 Feb 2021 19:02



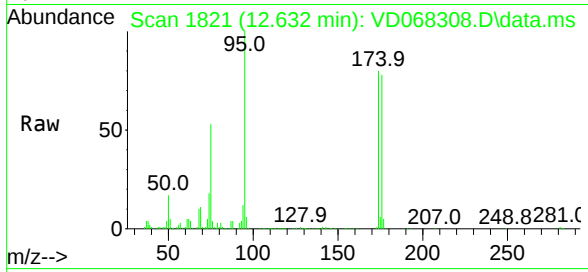
Tgt Ion: 75	Resp: 152229
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.17 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068308.D
 Acq: 05 Feb 2021 19:02

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-005-0205



Tgt Ion: 75 Resp: 152229
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.2 105.2#
 89 0.1 40.3 60.5#

