

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068282.D
 Acq On : 04 Feb 2021 17:46
 Operator : VA/SY
 Sample : M1291-22
 Misc : 3.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-005-0205

Quant Time: Feb 05 00:05:20 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)

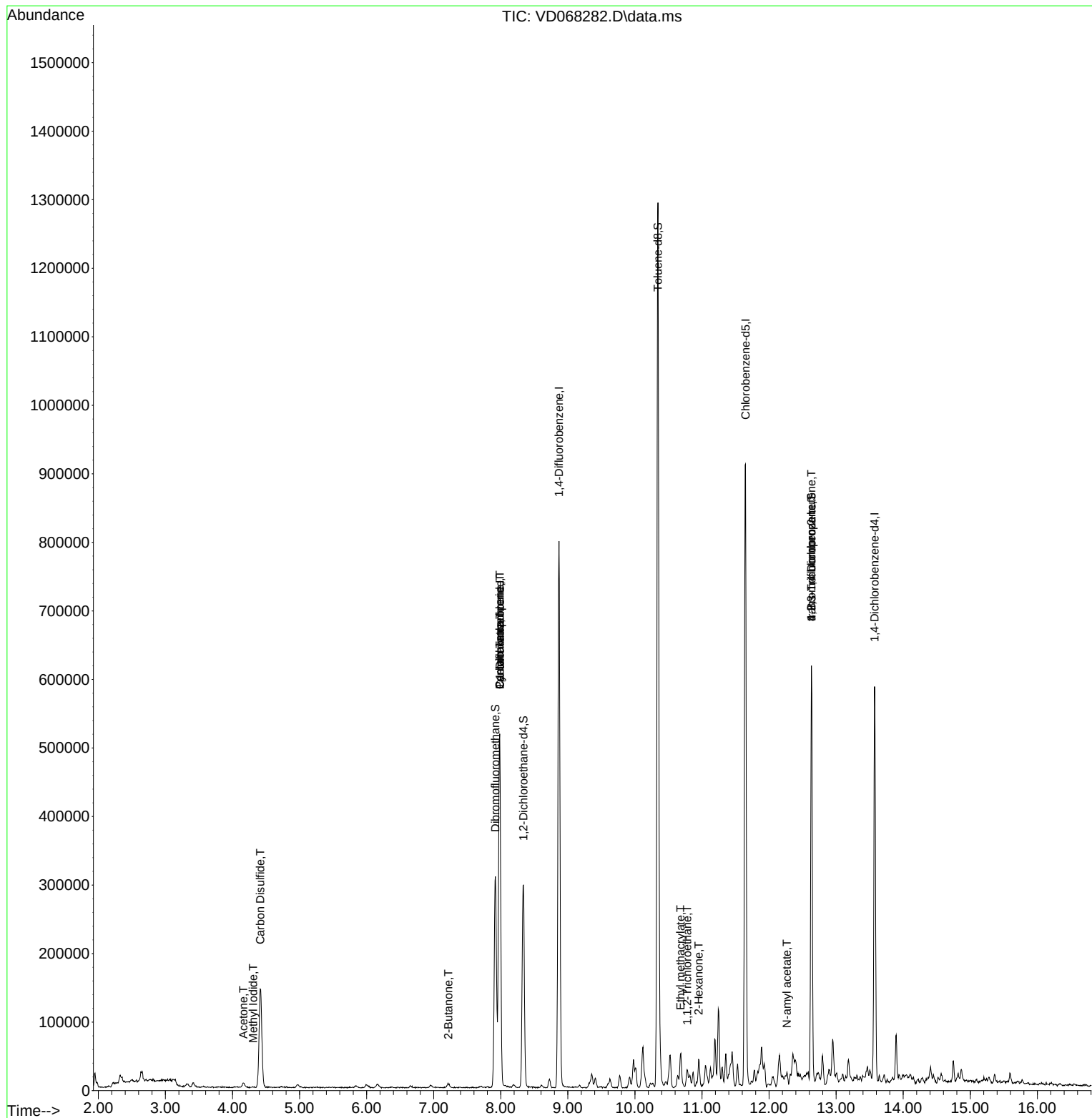
Internal Standards						
1) Pentafluorobenzene	7.985	168	392510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	726615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	553793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	152775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	244597	65.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.28%			
35) Dibromofluoromethane	7.920	113	228377	56.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.70%			
50) Toluene-d8	10.344	98	873204	54.34	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.68%			
62) 4-Bromofluorobenzene	12.632	95	212627	36.75	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 73.50%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	1148	3.38	ug/l #	50
11) Tert butyl alcohol	5.214	59	293	Below Cal	#	74
16) Acetone	4.162	43	11596	17.30	ug/l	99
17) Carbon Disulfide	4.414	76	321478	23.21	ug/l	100
20) Methylene Chloride	4.967	84	3052	Below Cal	#	88
25) 2-Butanone	7.220	43	8704	8.62	ug/l	96
31) Cyclohexane	7.985	56	10448	1.29	ug/l #	59
36) 1,1-Dichloropropene	7.985	75	33692	4.60	ug/l #	47
38) Carbon Tetrachloride	7.985	117	39662	5.78	ug/l #	15
55) 1,1,2-Trichloroethane	10.779	97	10320	2.86	ug/l #	27
56) Ethyl methacrylate	10.679	69	5197	1.08	ug/l #	1
59) 2-Hexanone	10.949	43	16482	9.47	ug/l #	24
74) N-amyl acetate	12.267	43	3926	1.49	ug/l #	36
76) 1,2,3-Trichloropropane	12.632	75	107701	72.91	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	107701	147.54	ug/l #	13

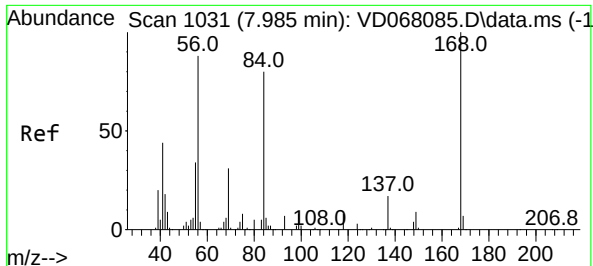
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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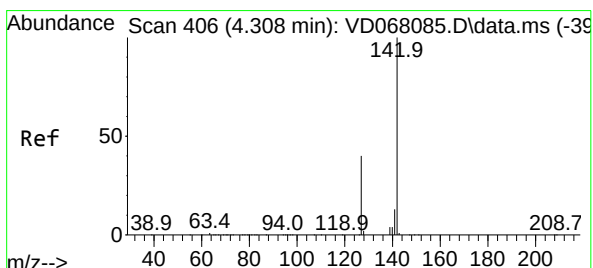
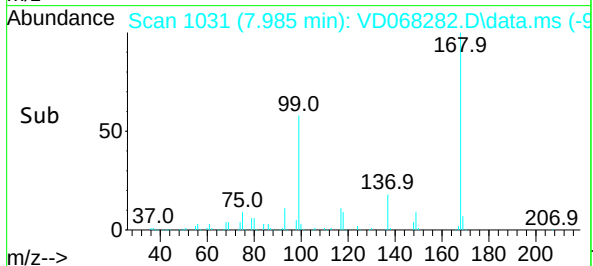
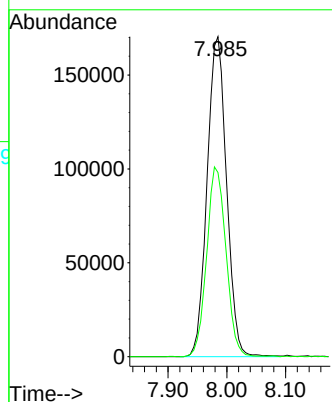
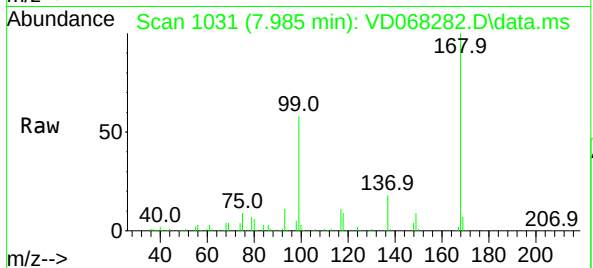




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

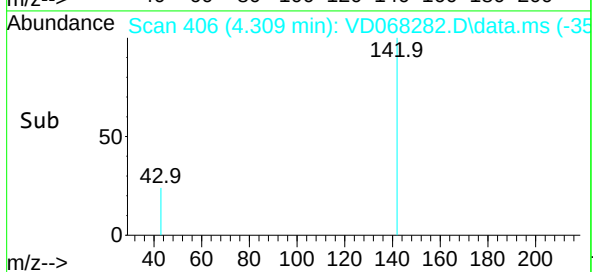
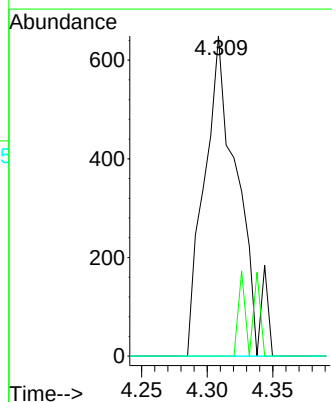
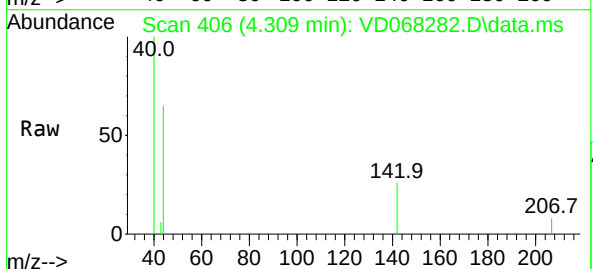
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

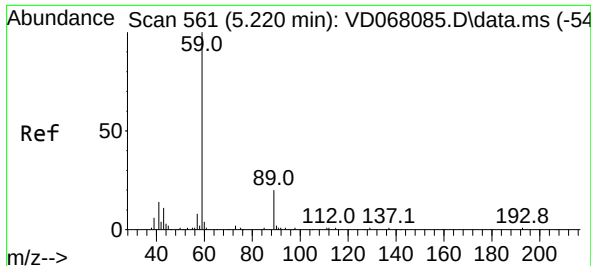
Tgt Ion:168 Resp: 392510
Ion Ratio Lower Upper
168 100
99 57.6 43.5 65.3



#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion:142 Resp: 1148
Ion Ratio Lower Upper
142 100
127 10.5 37.9 56.9#
141 0.0 11.5 17.3#

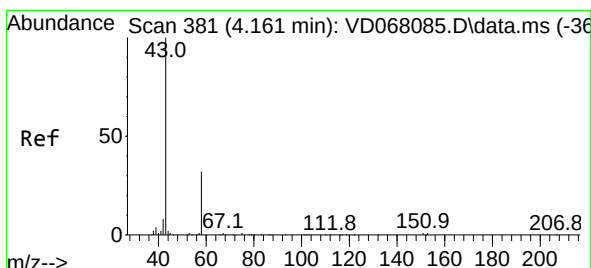
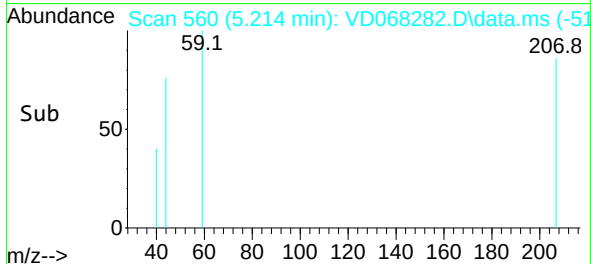
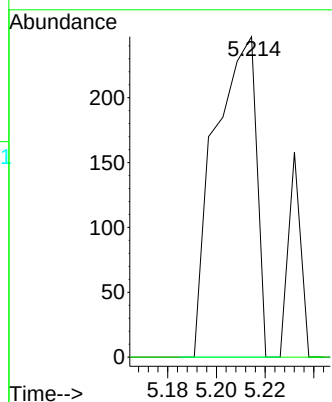
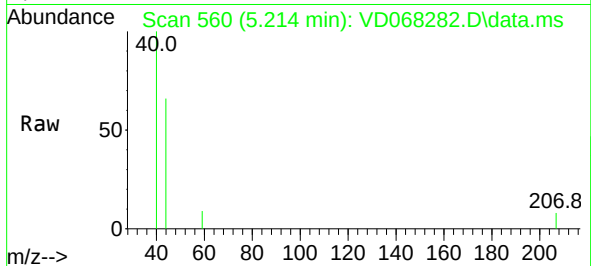




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

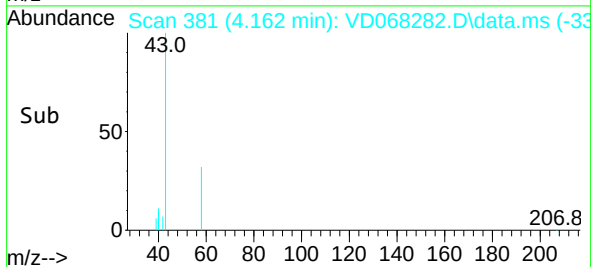
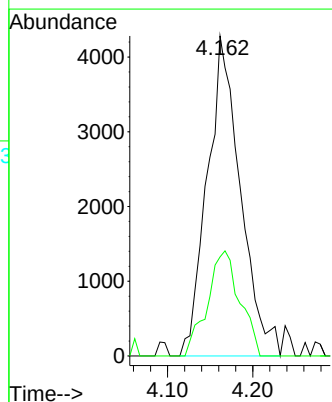
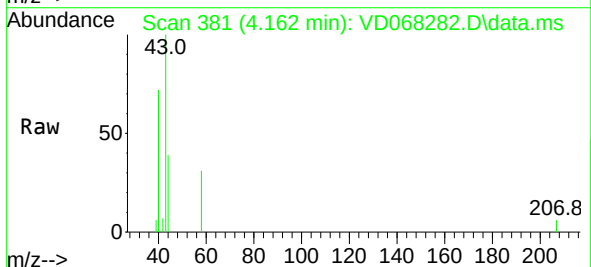
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

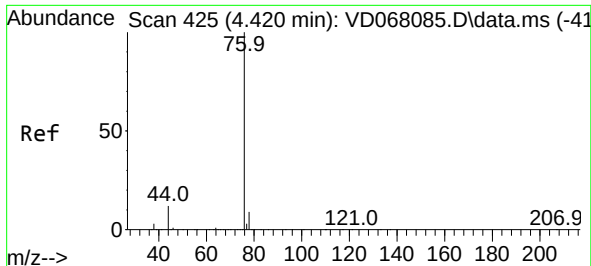
Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 17.30 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

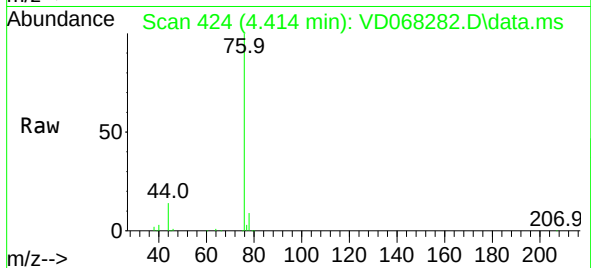
Tgt Ion: 43 Resp: 11596
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.4



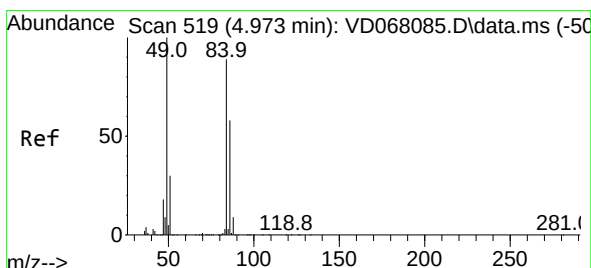
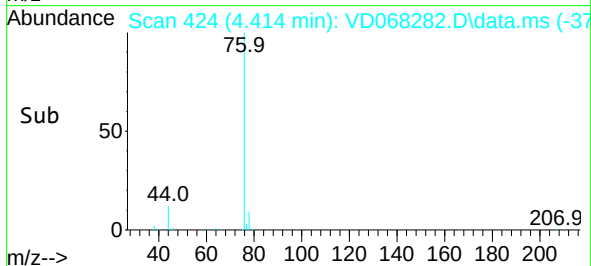
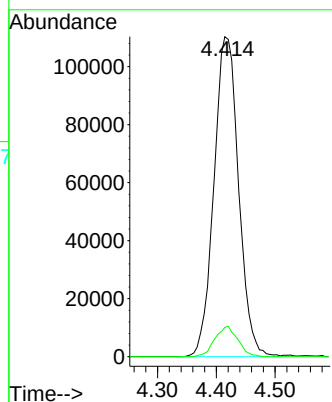


#17
Carbon Disulfide
Concen: 23.21 ug/l
RT: 4.414 min Scan# 424
Delta R.T. -0.006 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

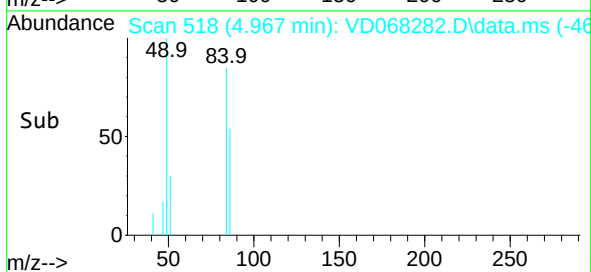
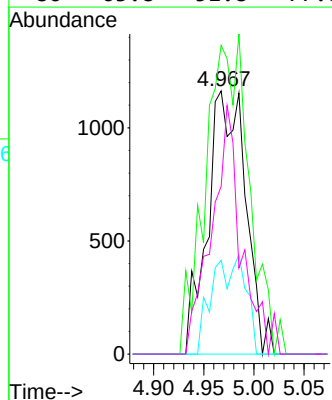
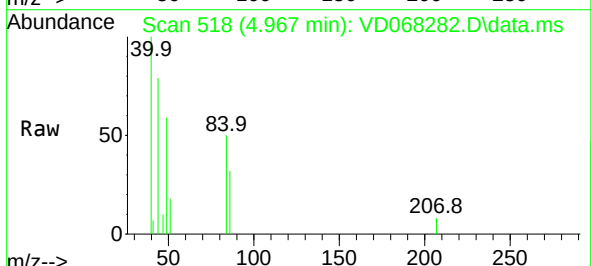


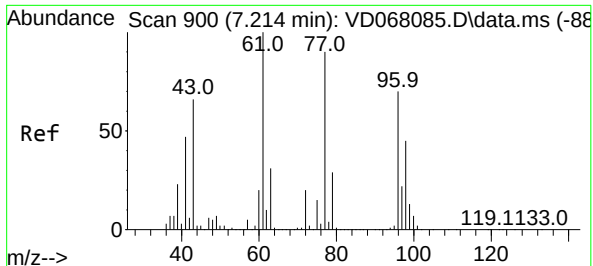
Tgt Ion: 76 Resp: 321478
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion: 84 Resp: 3052
Ion Ratio Lower Upper
84 100
49 117.3 77.4 116.2#
51 35.6 26.1 39.1
86 63.8 51.8 77.8

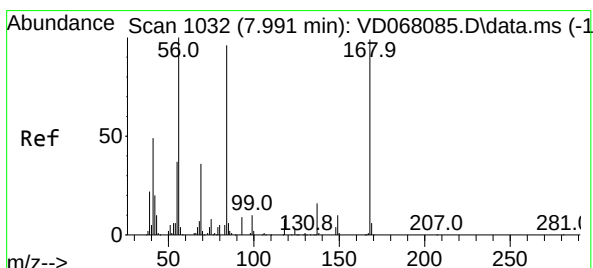
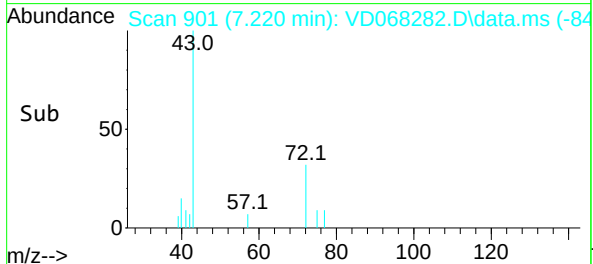
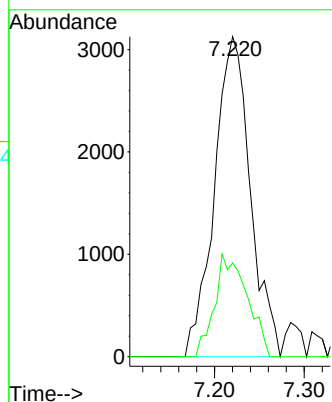
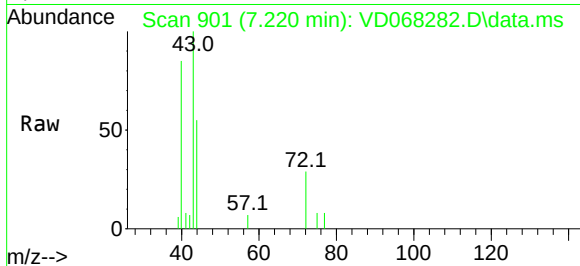




#25
2-Butanone
Concen: 8.62 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

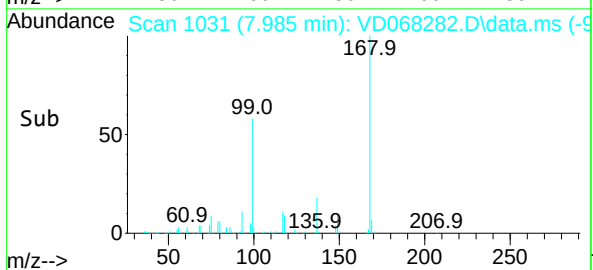
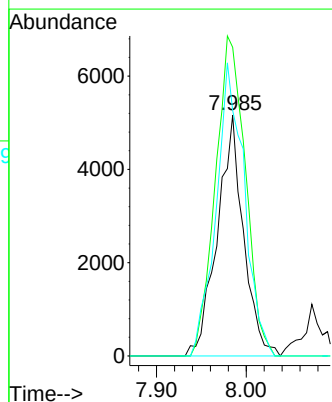
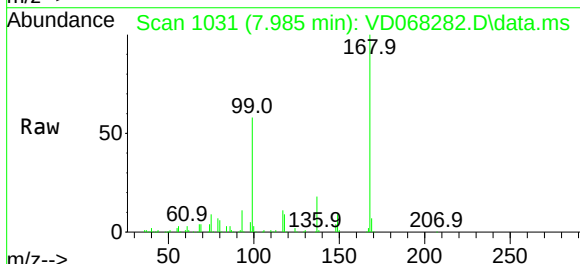
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

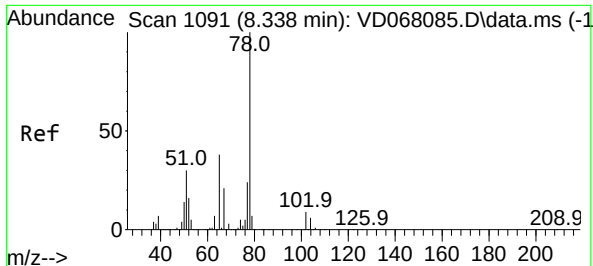
Tgt Ion: 43 Resp: 8704
Ion Ratio Lower Upper
43 100
72 29.3 25.1 37.7



#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion: 56 Resp: 10448
Ion Ratio Lower Upper
56 100
69 128.0 30.1 45.1#
84 101.8 82.1 123.1

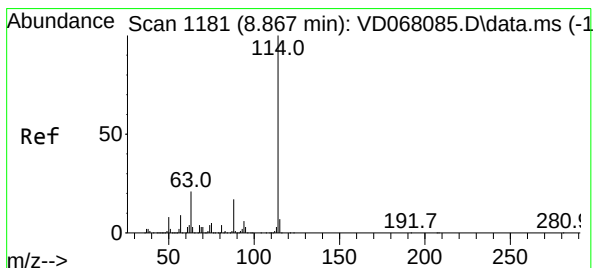
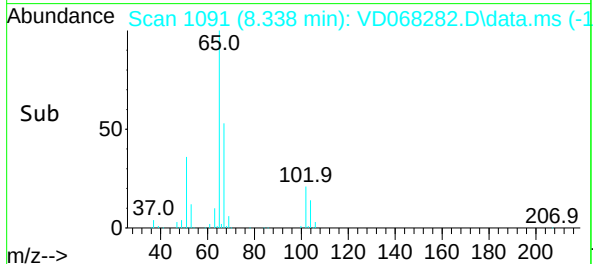
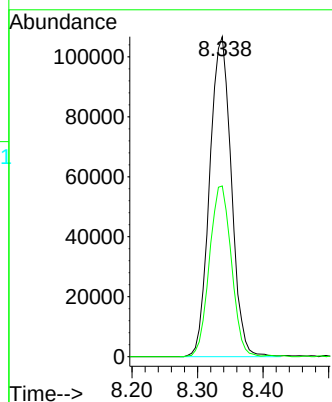
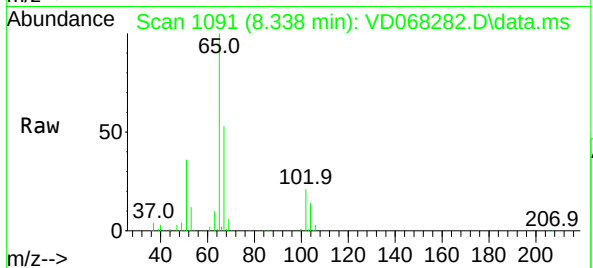




#33
 1,2-Dichloroethane-d4
 Concen: 65.14 ug/l
 RT: 8.338 min Scan# 1091
 Delta R.T. 0.000 min
 Lab File: VD068282.D
 Acq: 04 Feb 2021 17:46

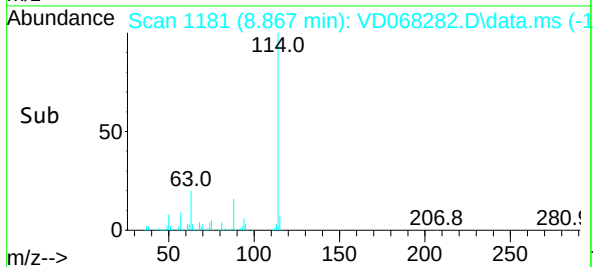
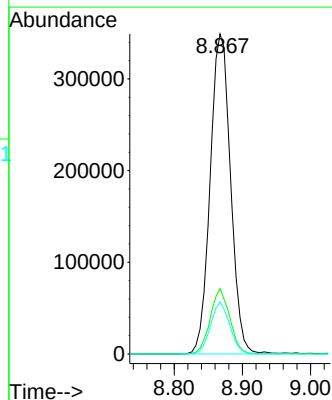
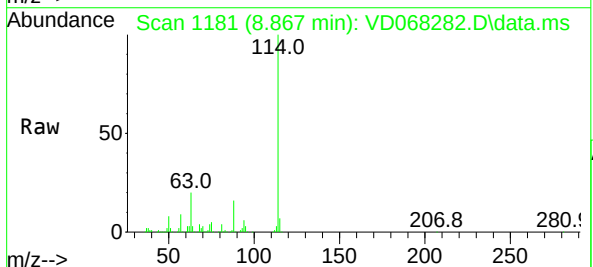
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 MSVOA_D
 ClientSampleId :
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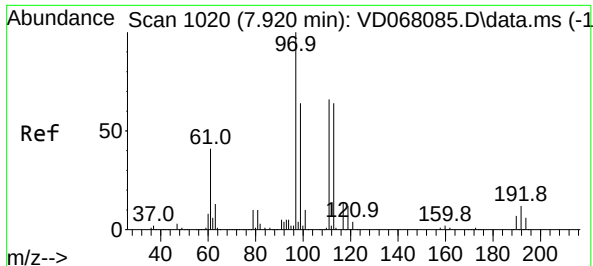
Tgt Ion: 65 Resp: 244597
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068282.D
 Acq: 04 Feb 2021 17:46

Tgt Ion: 114 Resp: 726615
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 34.8
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.85 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068282.D

Acq: 04 Feb 2021 17:46

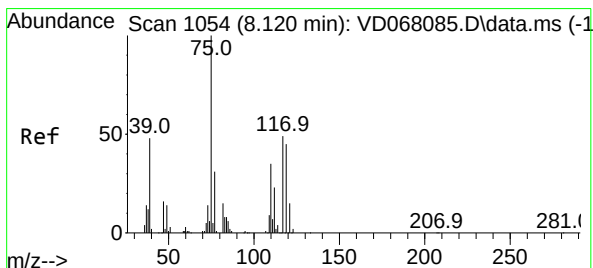
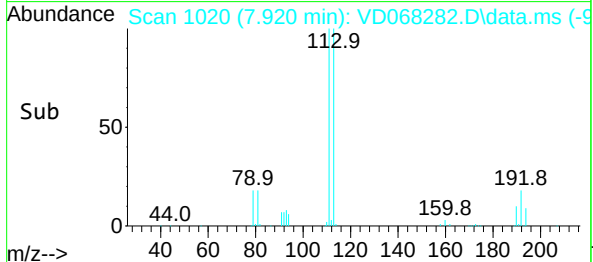
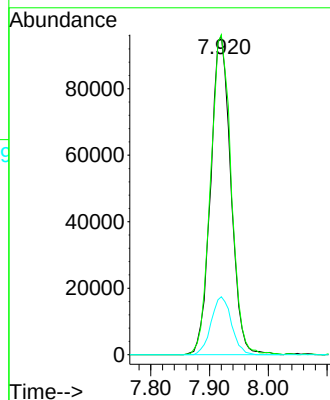
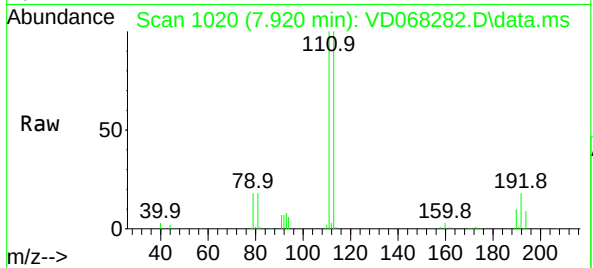
Tgt Ion:113 Resp: 228377

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 18.3 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.60 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.135 min

Lab File: VD068282.D

Acq: 04 Feb 2021 17:46

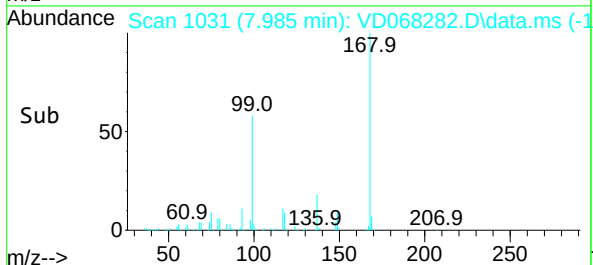
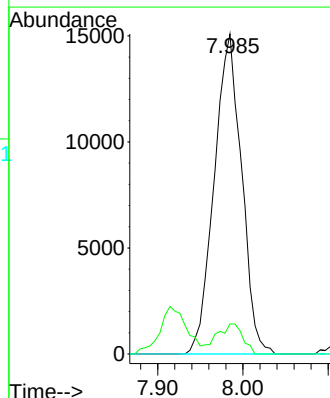
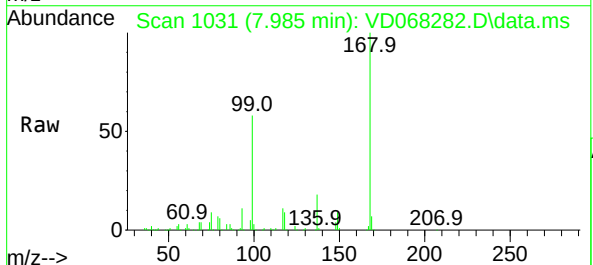
Tgt Ion: 75 Resp: 33692

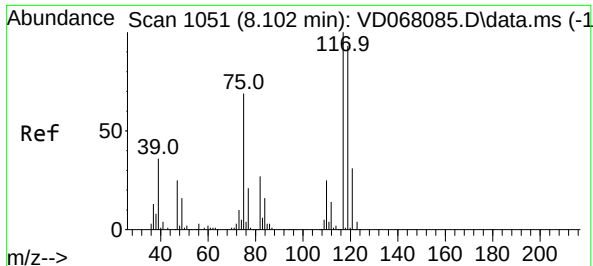
Ion Ratio Lower Upper

75 100

110 8.7 19.4 58.2#

77 0.0 25.3 37.9#

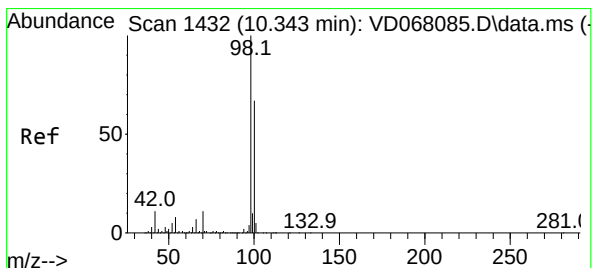
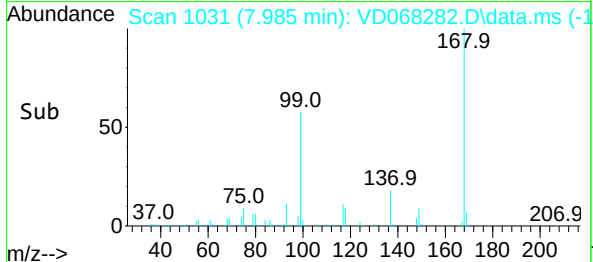
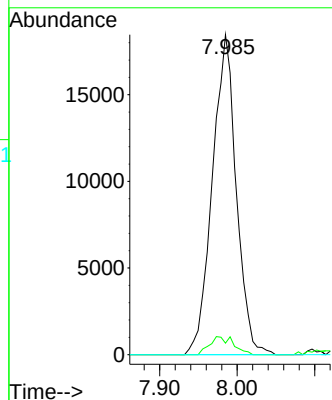
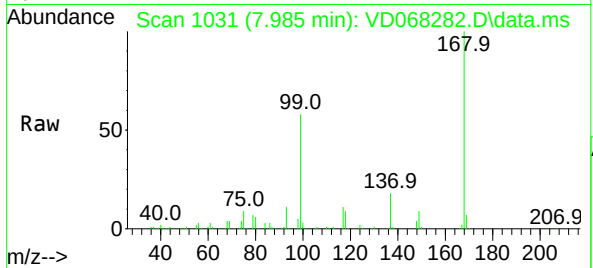




#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

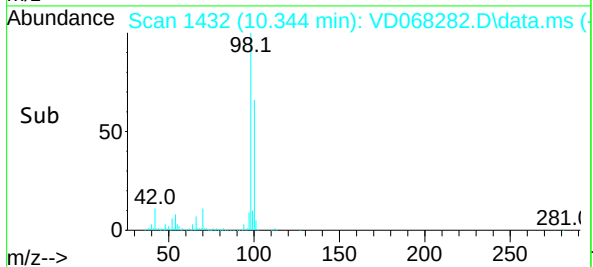
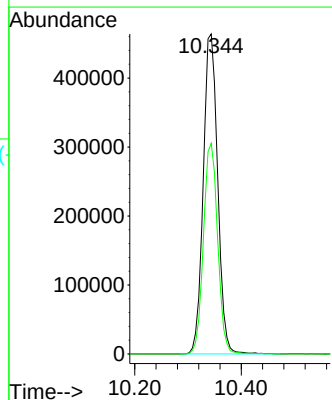
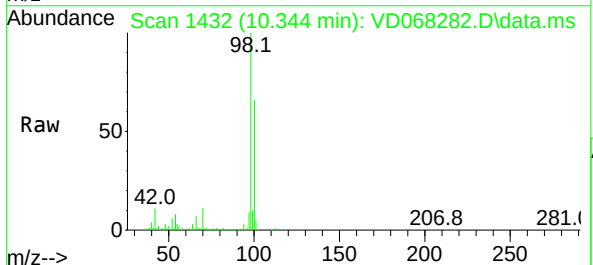
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

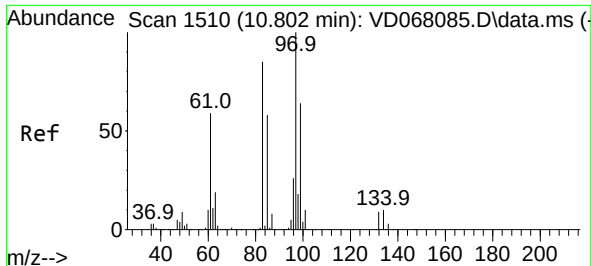
Tgt Ion:117 Resp: 39662
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.34 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion: 98 Resp: 873204
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4

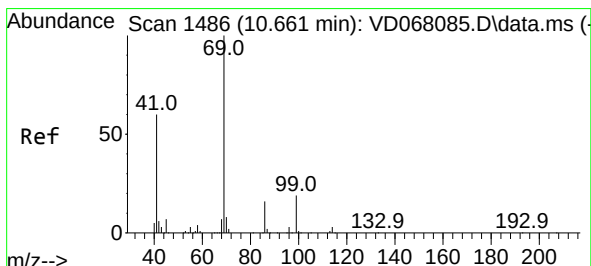
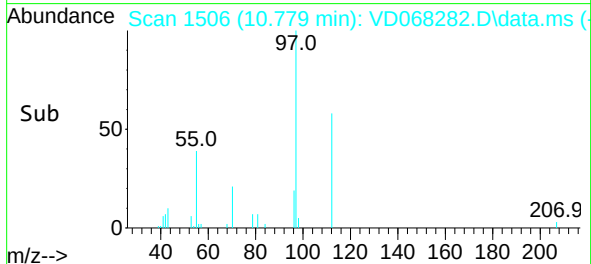
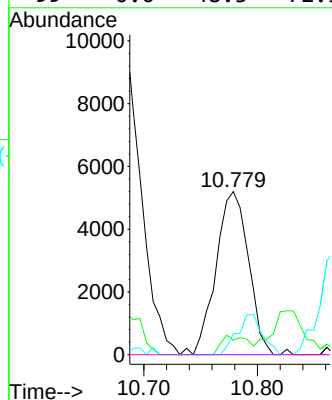
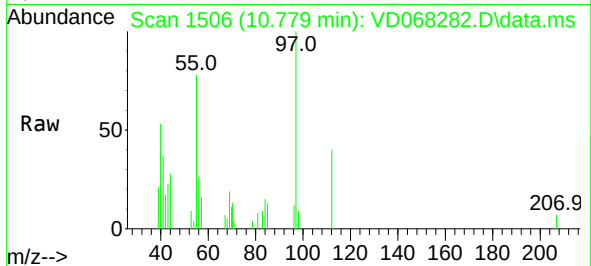




#55
1,1,2-Trichloroethane
Concen: 2.86 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

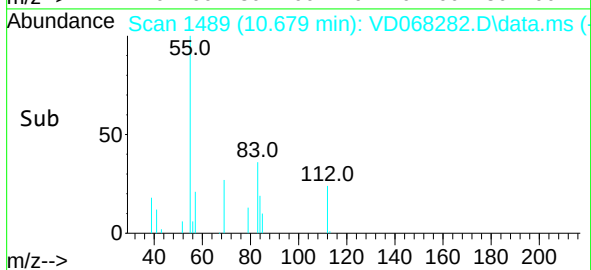
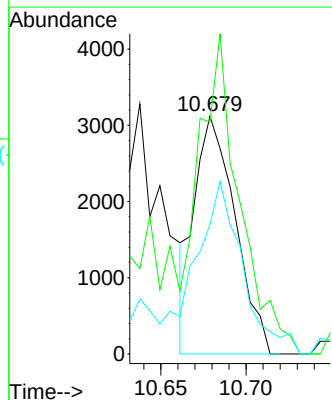
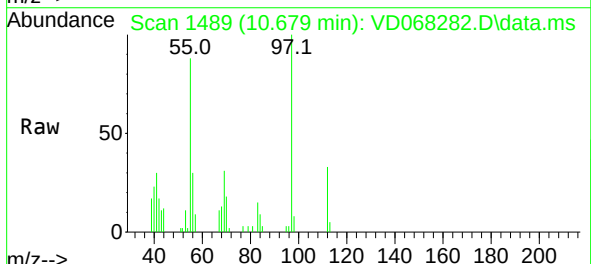
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

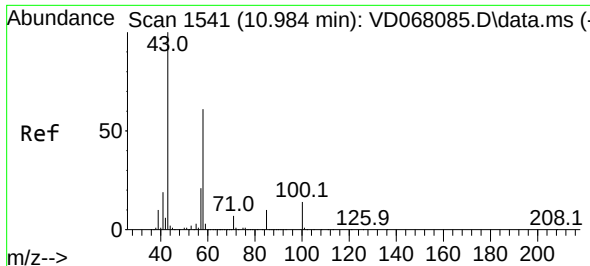
Tgt Ion:	97	Resp:	10320
Ion	Ratio	Lower	Upper
97	100		
83	8.9	61.8	92.6#
85	12.8	42.2	63.2#
99	0.0	48.3	72.5#



#56
Ethyl methacrylate
Concen: 1.08 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion:	69	Resp:	5197
Ion	Ratio	Lower	Upper
69	100		
41	133.1	44.9	67.3#
39	84.3	21.9	32.9#

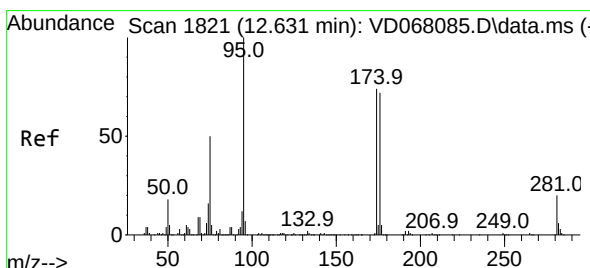
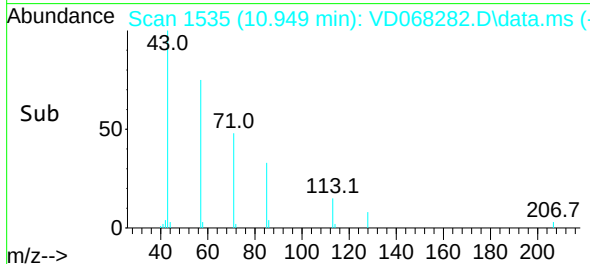
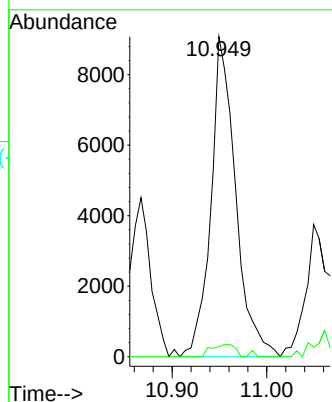
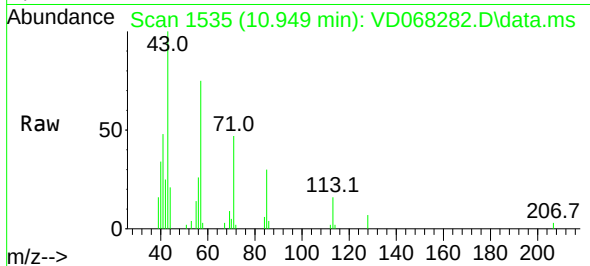




#59
2-Hexanone
Concen: 9.47 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

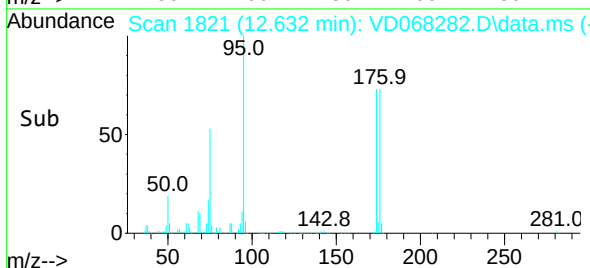
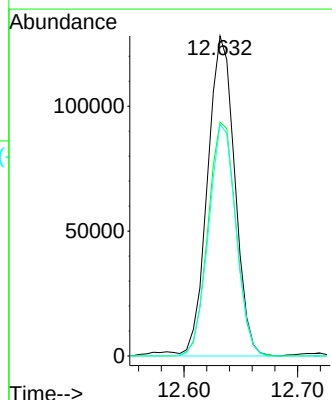
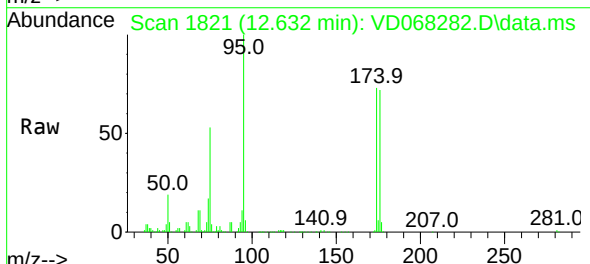
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

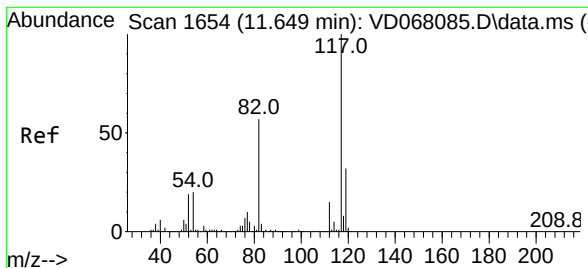
Tgt Ion: 43 Resp: 16482
Ion Ratio Lower Upper
43 100
58 3.7 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 36.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Tgt Ion: 95 Resp: 212627
Ion Ratio Lower Upper
95 100
174 75.0 0.0 172.4
176 73.1 0.0 168.4

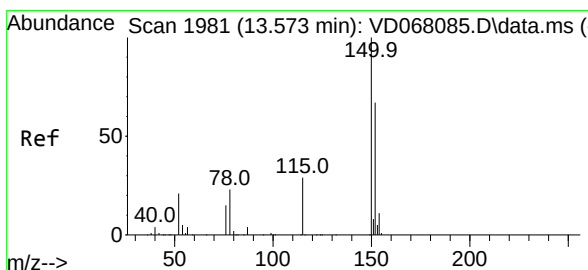
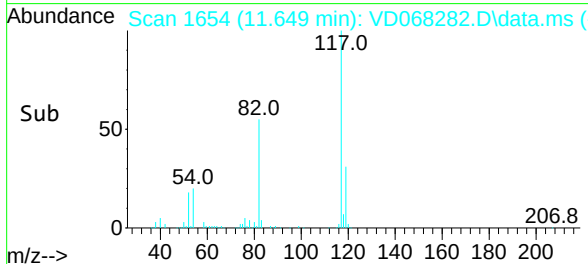
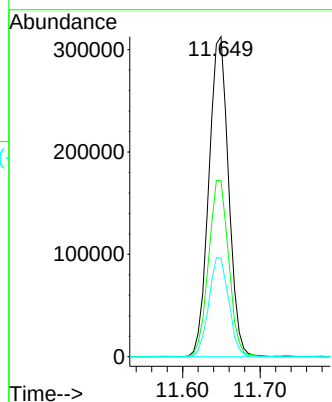
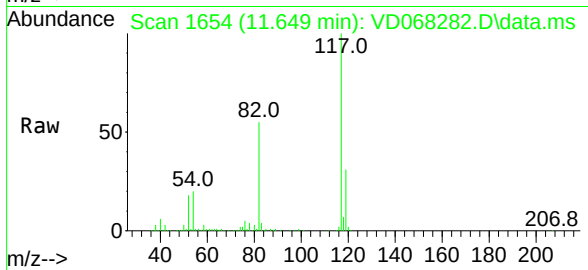




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

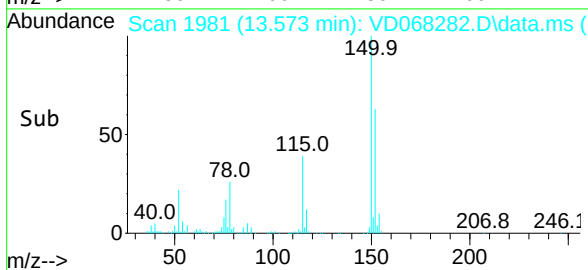
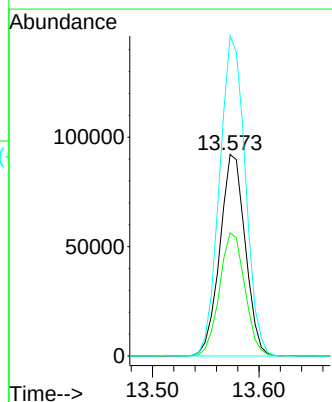
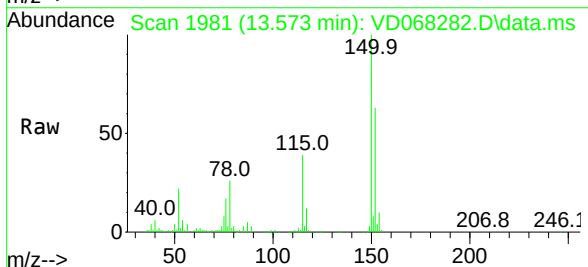
Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

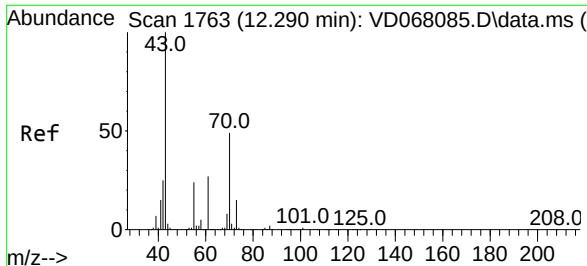
Tgt Ion:117 Resp: 553793
Ion Ratio Lower Upper
117 100
82 54.9 41.4 62.0
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

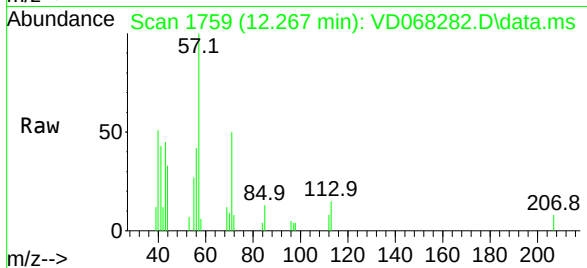
Tgt Ion:152 Resp: 152775
Ion Ratio Lower Upper
152 100
115 60.9 28.9 86.8
150 160.7 0.0 344.4



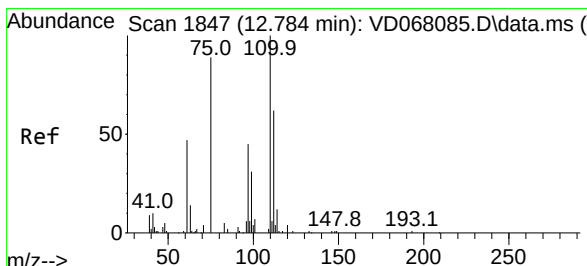
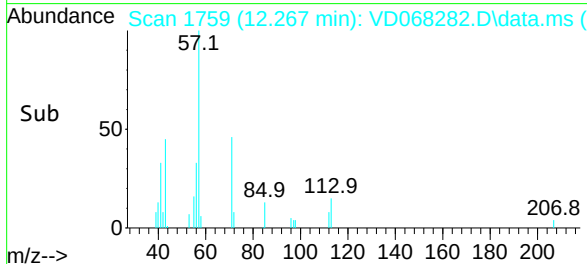
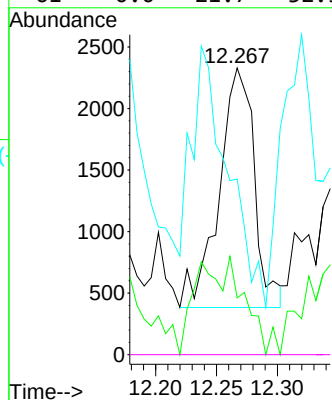


#74
N-amy1 acetate
Concen: 1.49 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0205

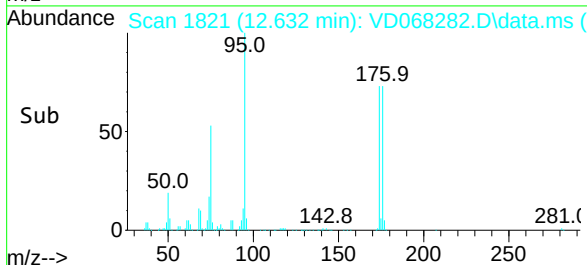
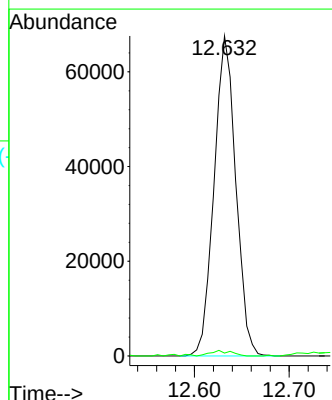
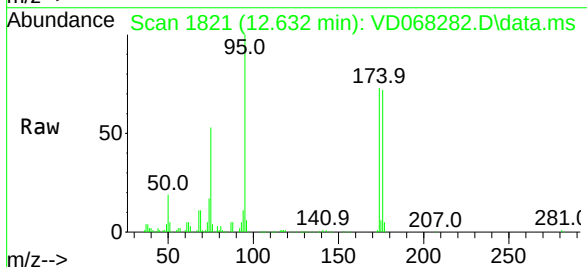


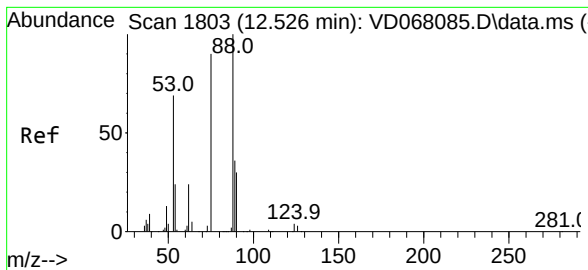
Tgt Ion:	43	Resp:	3926
Ion Ratio	100	Lower	Upper
43	100		
70	0.0	41.8	62.8#
55	0.0	24.2	36.4#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 72.91 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068282.D
Acq: 04 Feb 2021 17:46

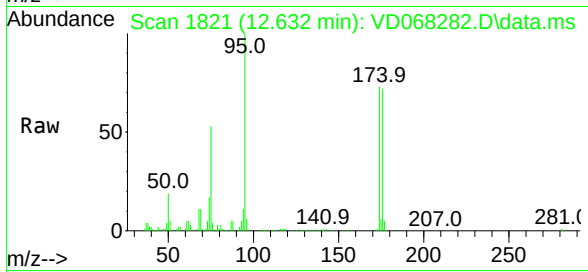
Tgt Ion:	75	Resp:	107701
Ion Ratio	100	Lower	Upper
75	100		
77	1.7	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.54 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068282.D
 Acq: 04 Feb 2021 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-005-0205



Tgt Ion: 75 Resp: 107701
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.2 105.2#
 89 0.0 40.3 60.5#

