

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068280.D
 Acq On : 04 Feb 2021 16:52
 Operator : VA/SY
 Sample : M1291-19
 Misc : 5.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-004-1015

Quant Time: Feb 05 00:04:49 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)

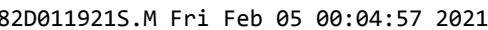
Internal Standards						
1) Pentafluorobenzene	7.979	168	469439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	867905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	796406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	354836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	272009	60.57	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.14%
35) Dibromofluoromethane	7.914	113	262623	54.73	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.46%
50) Toluene-d8	10.344	98	1089542	56.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.54%
62) 4-Bromofluorobenzene	12.632	95	356972	51.65	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.30%

Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	3845	3.79	ug/l #	38
11) Tert butyl alcohol	5.214	59	1665	Below	Cal #	74
16) Acetone	4.167	43	16091	20.07	ug/l	96
18) Methyl Acetate	4.720	43	4115	1.98	ug/l #	73
20) Methylene Chloride	4.962	84	12029	Below	Cal	88
25) 2-Butanone	7.226	43	1253	1.04	ug/l #	85
31) Cyclohexane	7.991	56	11815	1.22	ug/l #	46
38) Carbon Tetrachloride	7.979	117	48395	5.91	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	180429	52.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	180429	106.42	ug/l #	13

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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QLast Update : Tue Jan 19 13:19:08 2021
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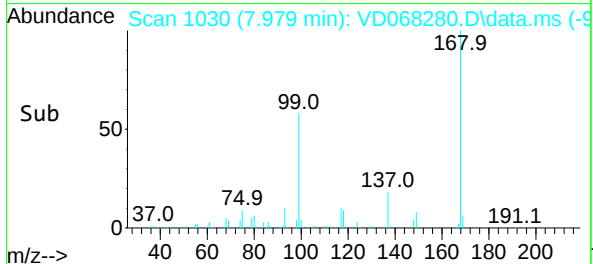
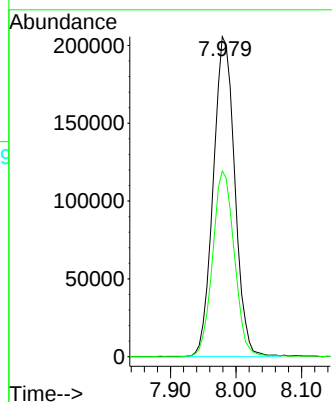
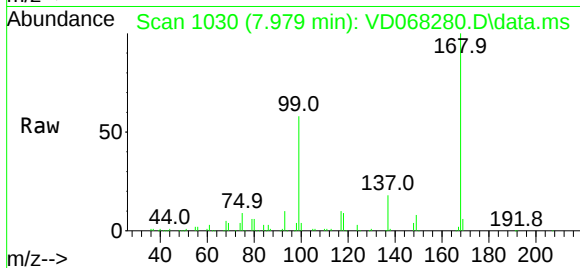




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

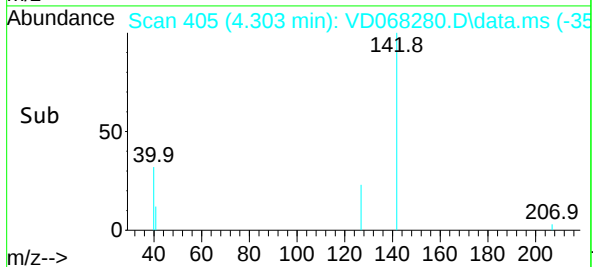
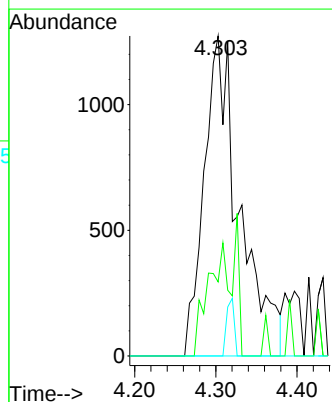
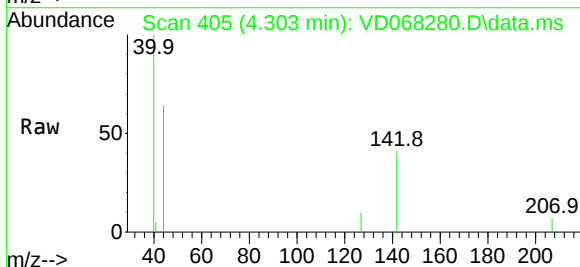
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

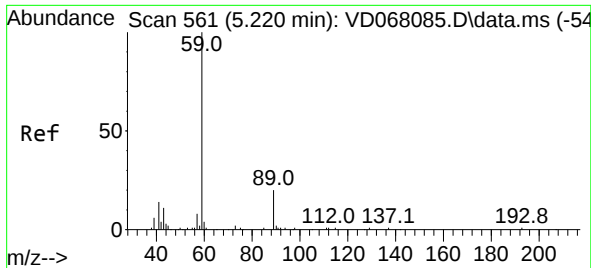
Tgt Ion:168 Resp: 469439
Ion Ratio Lower Upper
168 100
99 57.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.79 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion:142 Resp: 3845
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

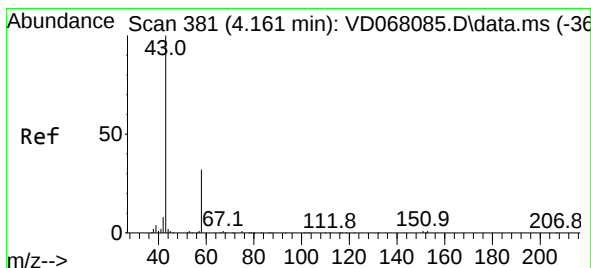
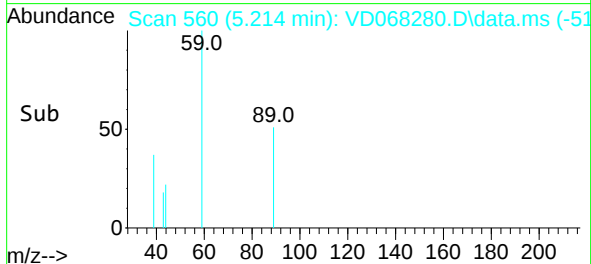
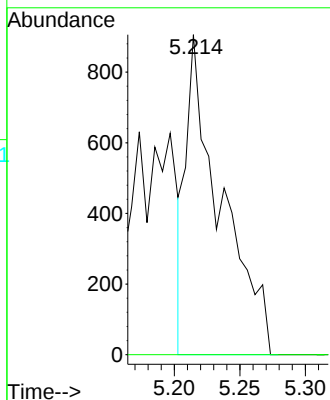
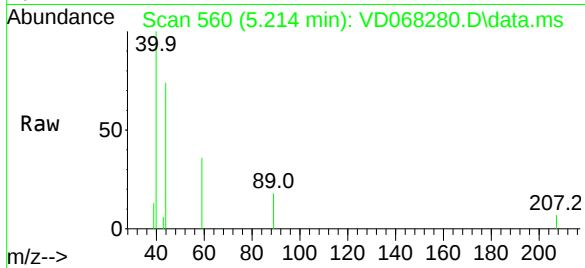




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

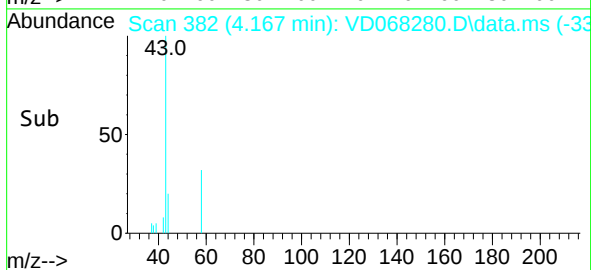
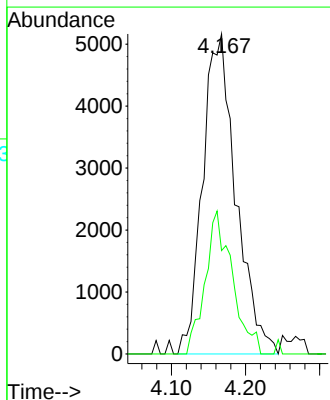
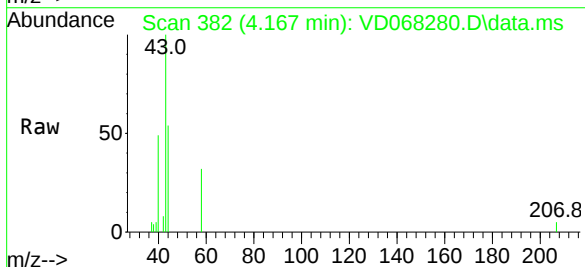
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

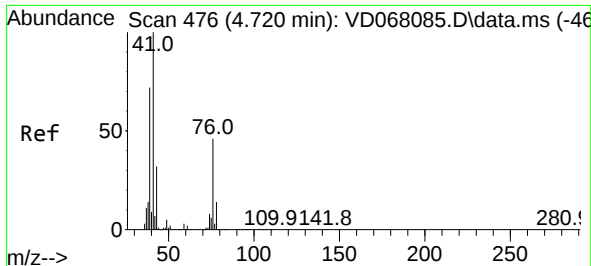
Tgt Ion: 59 Resp: 1665
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 20.07 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 43 Resp: 16091
Ion Ratio Lower Upper
43 100
58 32.3 24.2 36.4

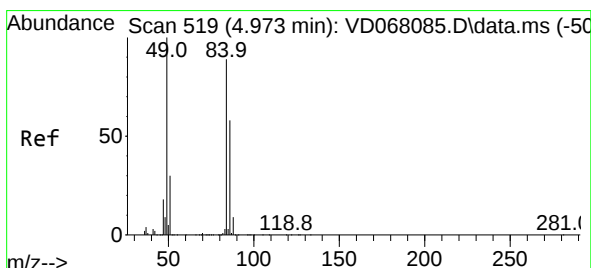
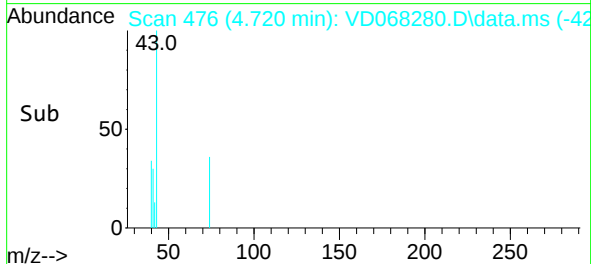
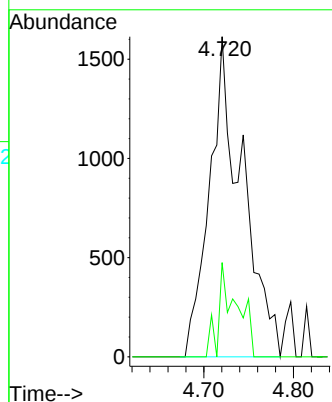
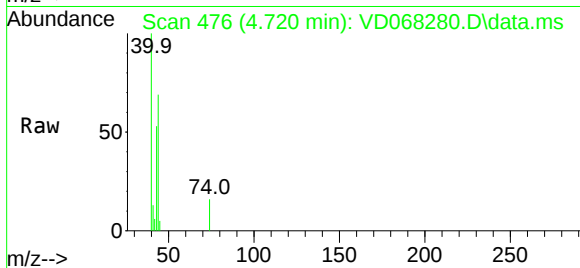




#18
Methyl Acetate
Concen: 1.98 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

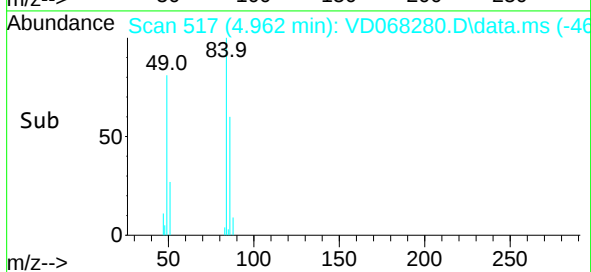
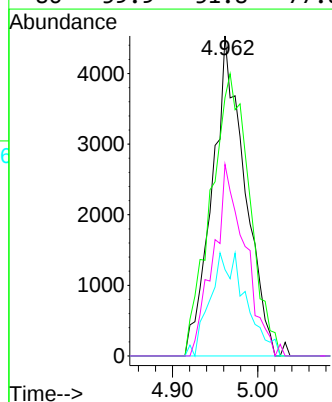
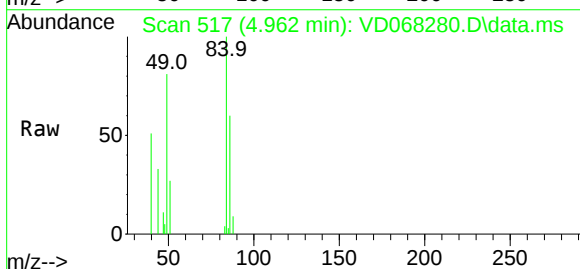
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

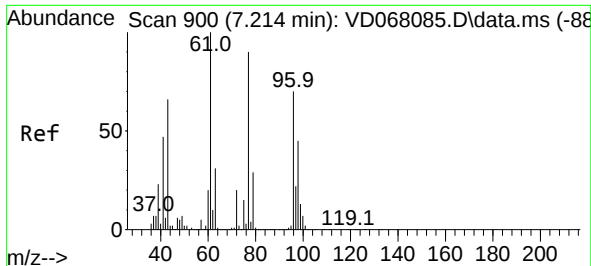
Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
74 16.6 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 84 Resp: 12029
Ion Ratio Lower Upper
84 100
49 80.7 77.4 116.2
51 27.0 26.1 39.1
86 59.9 51.8 77.8

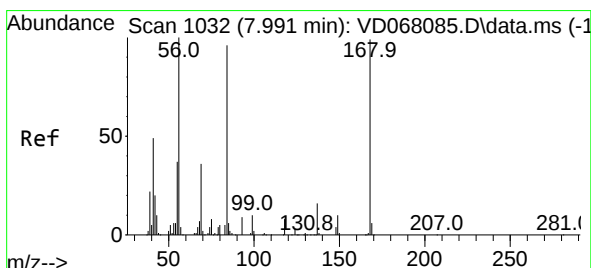
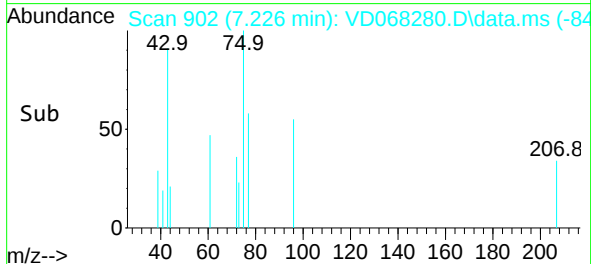
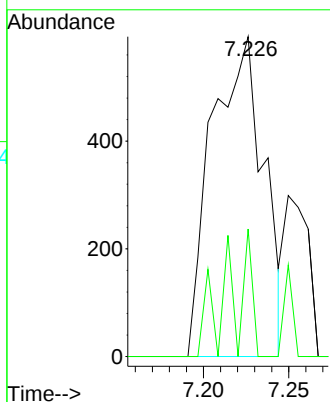
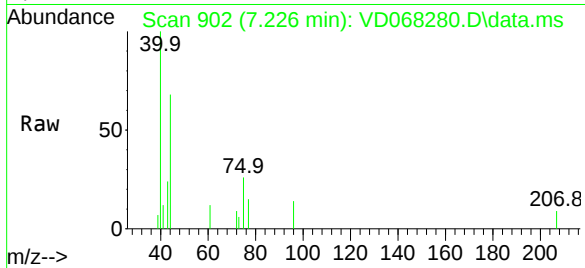




#25
2-Butanone
Concen: 1.04 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

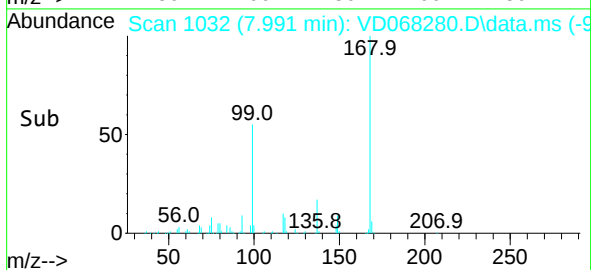
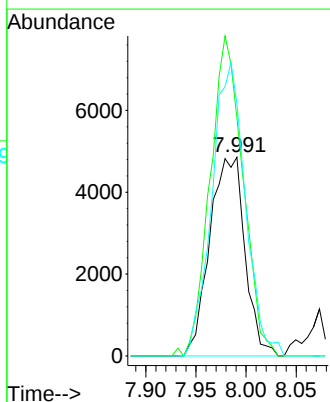
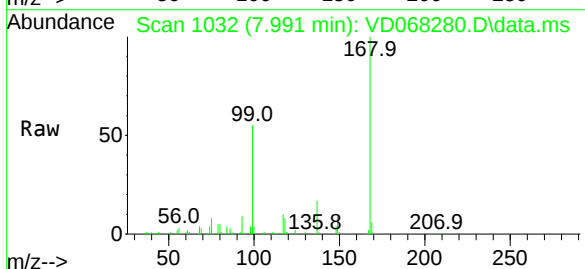
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

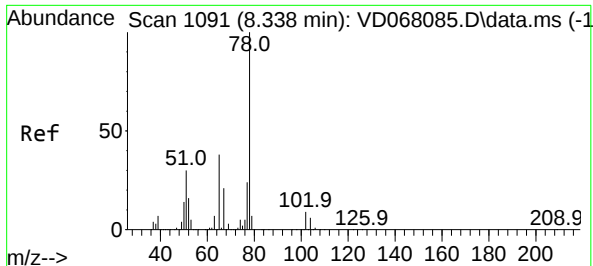
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
72 39.9 25.1 37.7#



#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 56 Resp: 11815
Ion Ratio Lower Upper
56 100
69 119.8 30.1 45.1#
84 126.9 82.1 123.1#

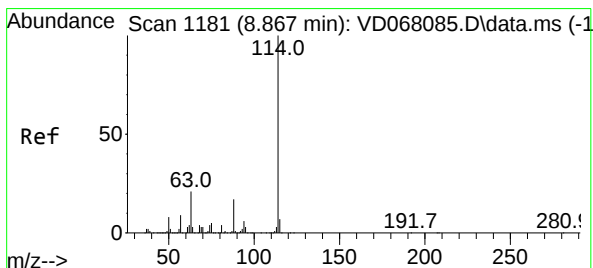
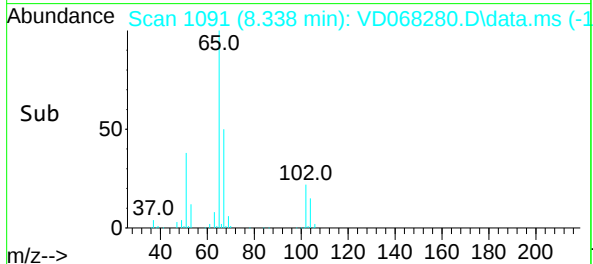
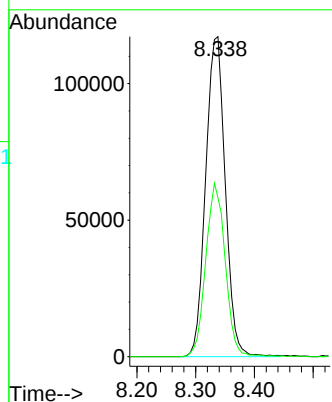
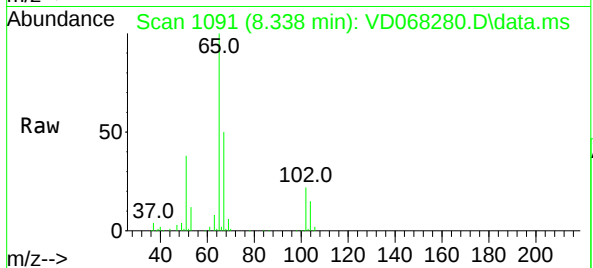




#33
1,2-Dichloroethane-d4
Concen: 60.57 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

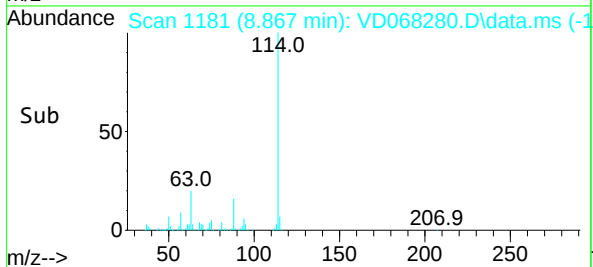
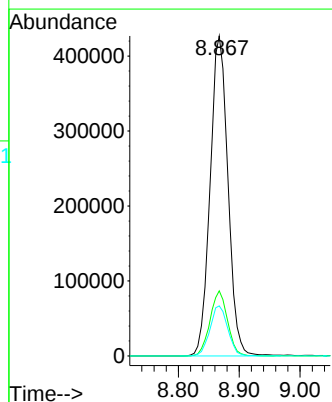
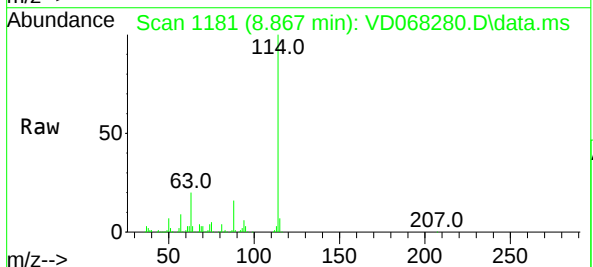
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

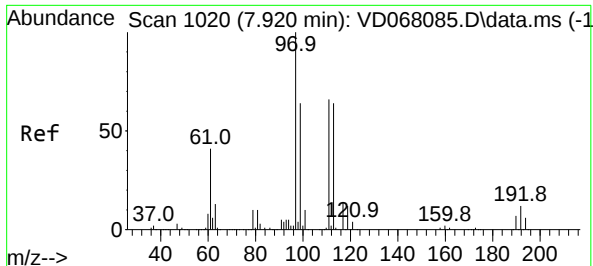
Tgt Ion: 65 Resp: 272009
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 114 Resp: 867905
Ion Ratio Lower Upper
114 100
63 20.3 0.0 34.8
88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.73 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068280.D

Acq: 04 Feb 2021 16:52

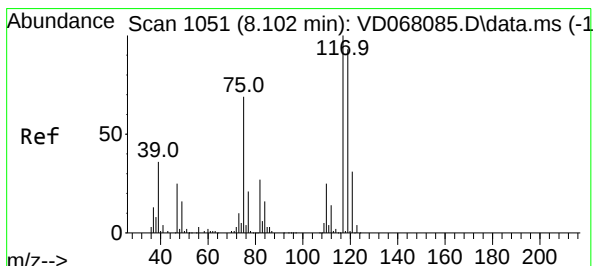
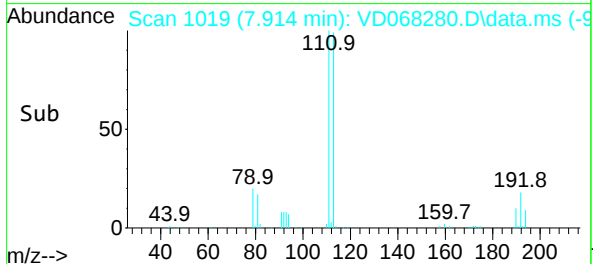
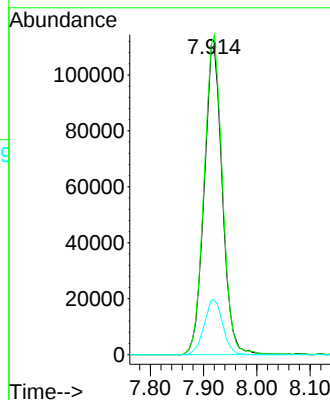
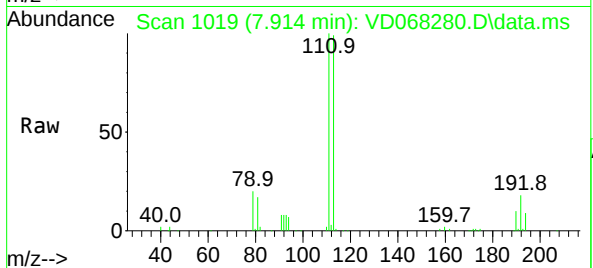
Instrument :

MSVOA_D

ClientSampleId :

OU421-004-1015

Tgt Ion:	113	Resp:	262623
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.4	122.0
192	18.1	16.1	24.1



#38

Carbon Tetrachloride

Concen: 5.91 ug/l

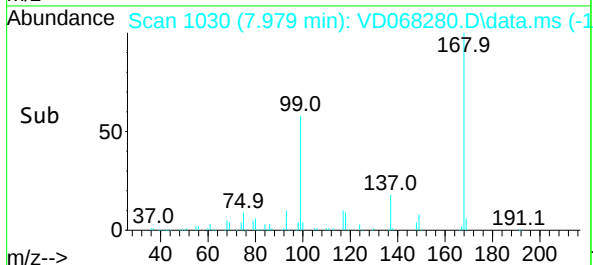
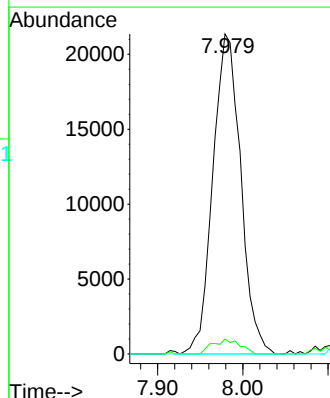
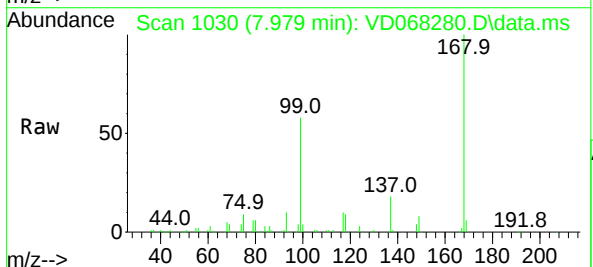
RT: 7.979 min Scan# 1030

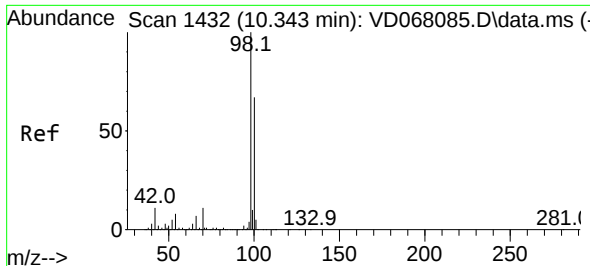
Delta R.T. -0.123 min

Lab File: VD068280.D

Acq: 04 Feb 2021 16:52

Tgt Ion:	117	Resp:	48395
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.3	115.9#
121	0.0	24.7	37.1#

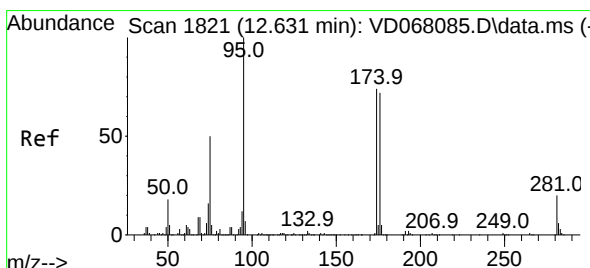
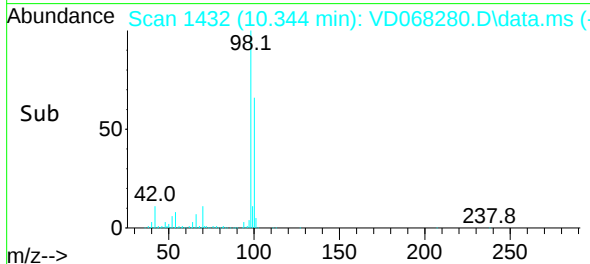
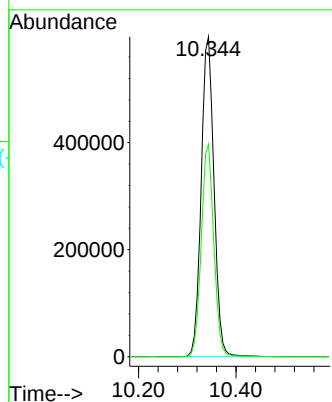
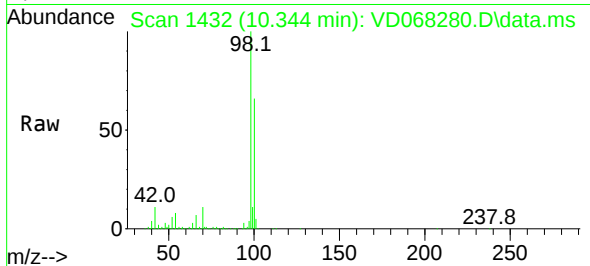




#50
Toluene-d8
Concen: 56.77 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

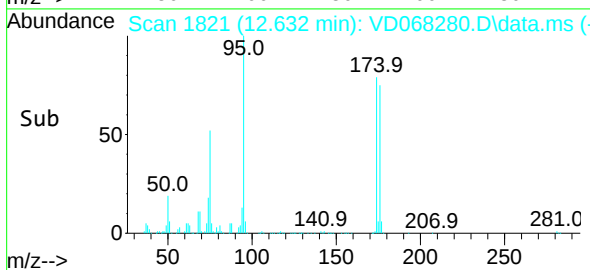
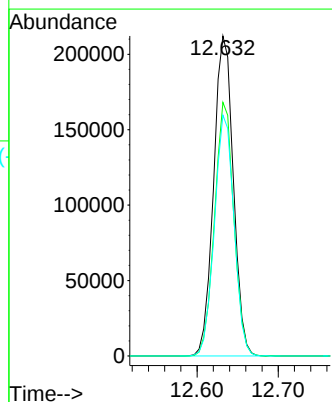
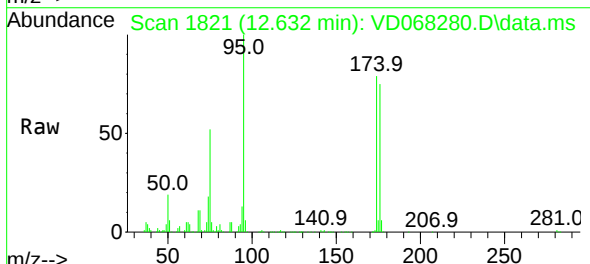
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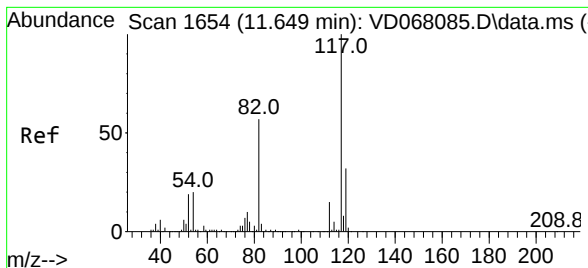
Tgt Ion: 98 Resp: 1089542
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 95 Resp: 356972
Ion Ratio Lower Upper
95 100
174 77.8 0.0 172.4
176 74.9 0.0 168.4

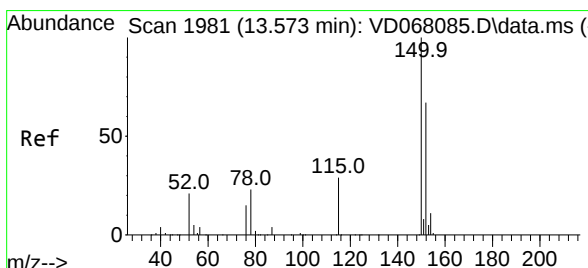
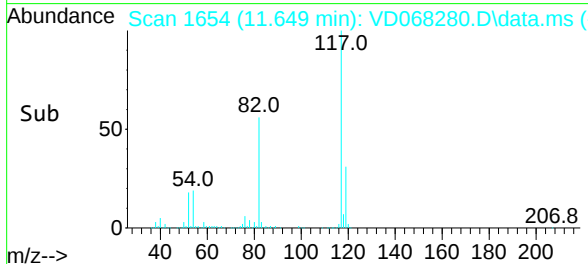
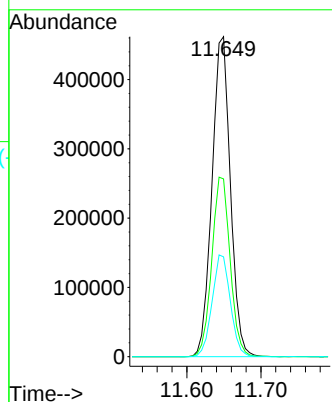
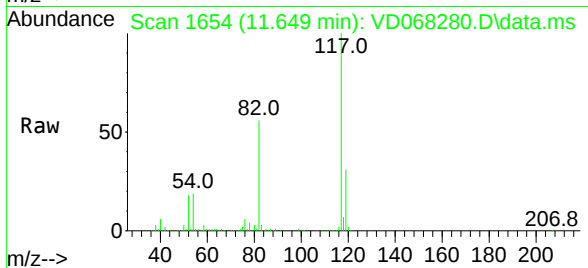




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

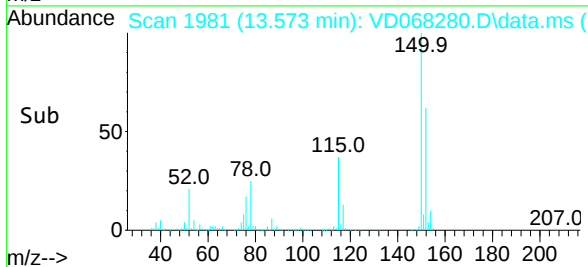
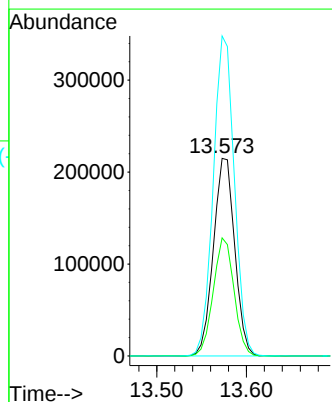
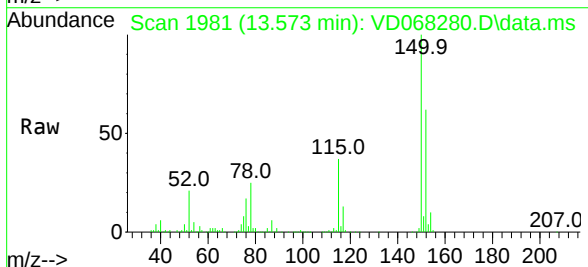
Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

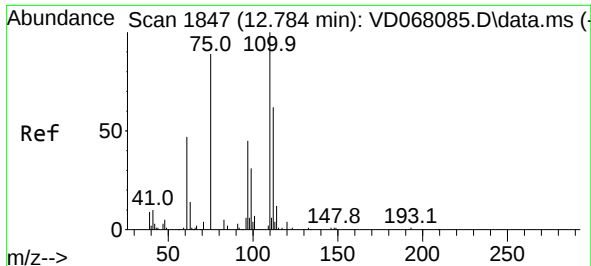
Tgt Ion:	117	Resp:	796406
Ion Ratio	Lower	Upper	
117	100		
82	55.6	41.4	62.0
119	31.2	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion:	152	Resp:	354836
Ion Ratio	Lower	Upper	
152	100		
115	58.2	28.9	86.8
150	160.1	0.0	344.4

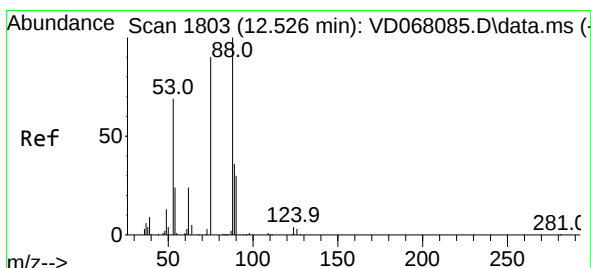
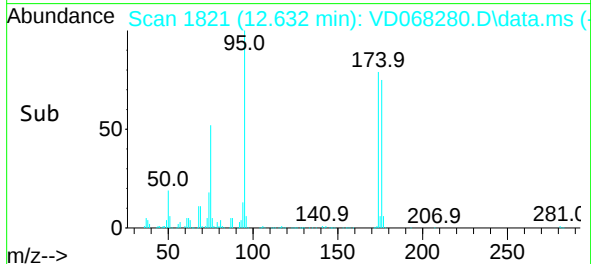
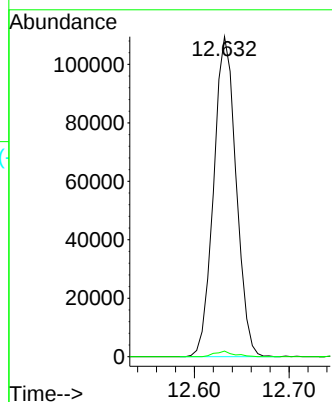
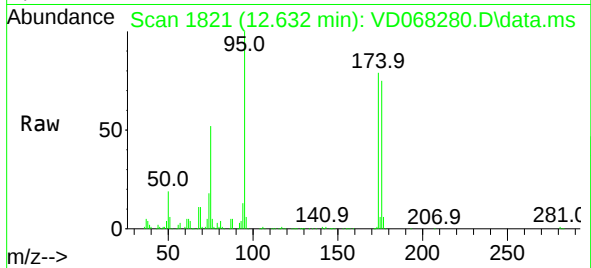




#76
1,2,3-Trichloropropane
Concen: 52.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :
OU421-004-1015

Tgt Ion: 75 Resp: 180429
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.42 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068280.D
Acq: 04 Feb 2021 16:52

Tgt Ion: 75 Resp: 180429
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

