

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036310.D
 Acq On : 4 Feb 2021 1:56
 Operator : SY/AP
 Sample : M1295-05
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INFLUENT

Manual Integrations
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 2/4/2021 5:15:23 PM

Quant Time: Feb 04 03:22:57 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021

QLast Update : Thu Jan 14 16:13:38 2021

Response via : Initial Calibration

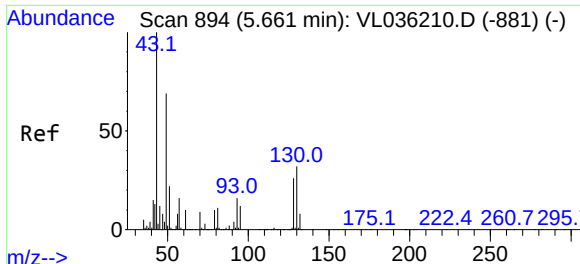
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.684	49	1544390	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	3207110	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.108	117	2930752	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.436	95	2449244	10.10	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	36770	0.18	ppbv #	83
3) Chlorodifluoromethane	2.989	51	48354	0.25	ppbv	97
4) Chloromethane	3.150	50	69732	0.74	ppbv #	88
5) Vinyl Chloride	3.266	62	14708	0.17	ppbv #	64
9) Propene	3.028	41	42955m	0.48	ppbv	
11) Trichlorofluoromethane	3.960	101	41834m	0.20	ppbv	
13) Ethanol	3.613	45	137989m	9.73	ppbv	
15) Acetone	3.864	43	968809	5.12	ppbv	98
19) Isopropyl Alcohol	3.983	45	89191m	0.78	ppbv	
20) Methylene Chloride	4.359	84	30195	0.50	ppbv	94
29) Chloroform	5.764	83	107702m	0.48	ppbv	
31) cis-1,2-Dichloroethene	5.565	61	863514	5.71	ppbv	99
34) 2-Butanone	5.256	43	1770005	7.49	ppbv	98
35) Carbon Tetrachloride	7.034	117	15194m	0.07	ppbv	
36) Benzene	6.906	78	52364	0.18	ppbv	98
38) Trichloroethene	7.851	130	7808m	0.07	ppbv	
41) Tetrahydrofuran	6.073	42	211662	1.55	ppbv	99
52) Tetrachloroethene	11.230	164	4005m	0.04	ppbv	
53) Toluene	9.828	91	239450	0.73	ppbv	98

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

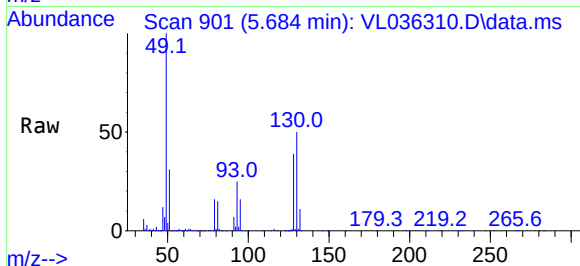
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[illegible]



#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.023 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

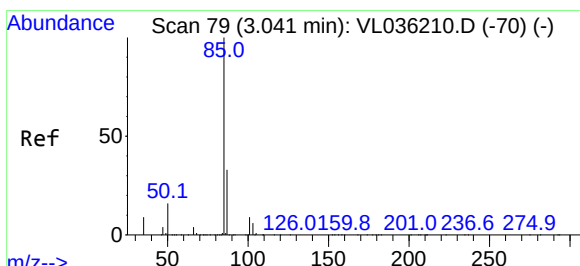
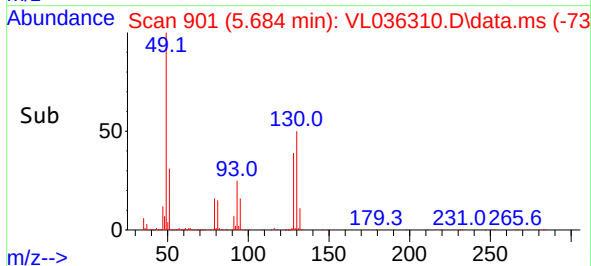
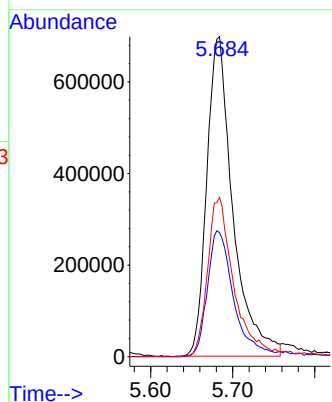
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENT



Tgt Ion: 49 Resp: 1544390
Ion Ratio Lower Upper
49 100
128 41.5 20.1 60.2
130 51.6 25.3 75.9

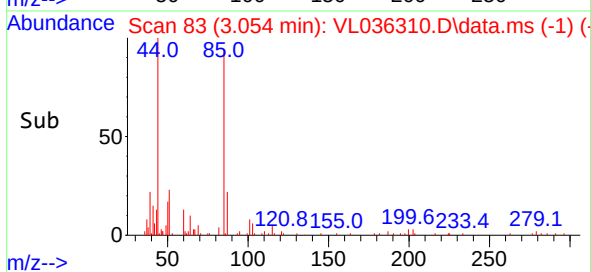
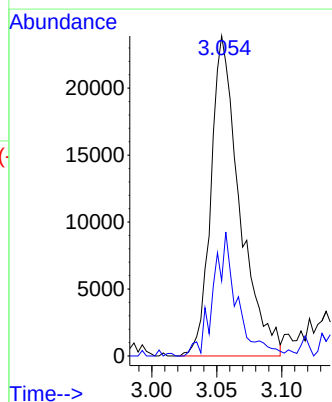
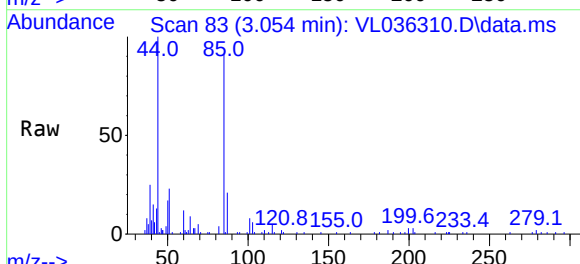
Manual Integrations
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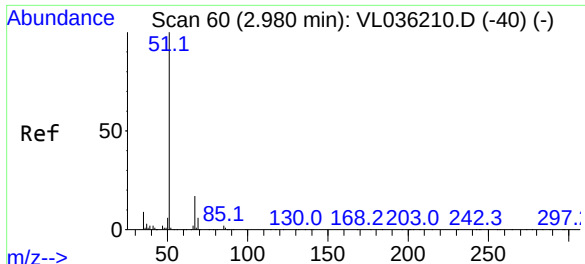
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#2
Dichlorodifluoromethane
Concen: 0.18 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 85 Resp: 36770
Ion Ratio Lower Upper
85 100
87 23.5 26.4 39.6#





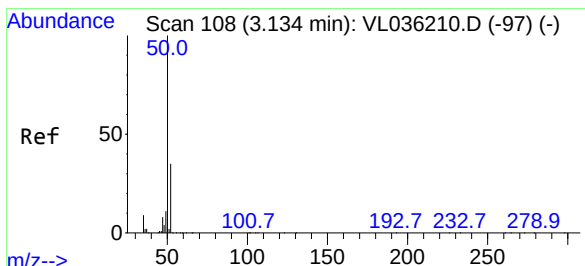
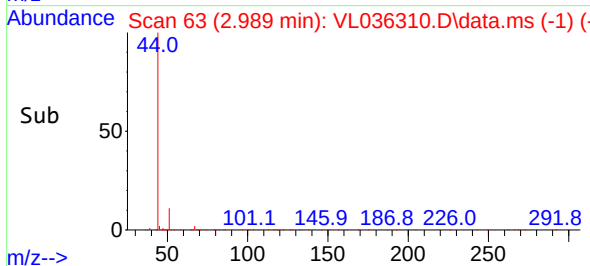
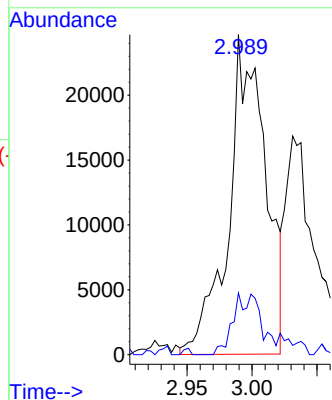
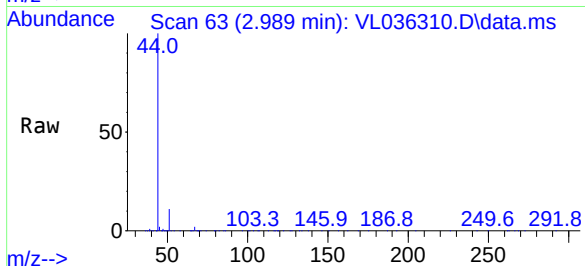
#3
Chlorodifluoromethane
Concen: 0.25 ppbv
RT: 2.989 min Scan# 63
Delta R.T. 0.010 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 51 Resp: 48354
Ion Ratio Lower Upper
51 100
67 18.8 14.0 21.0

Instrument :
MSVOA_L
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OFFSITE-DDC-INFLUENT

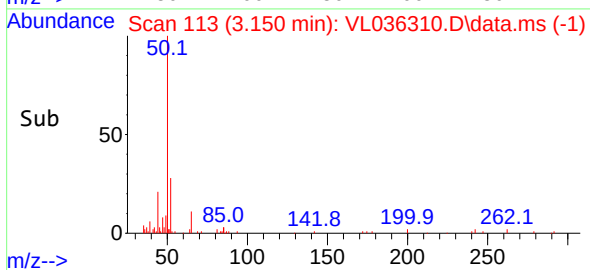
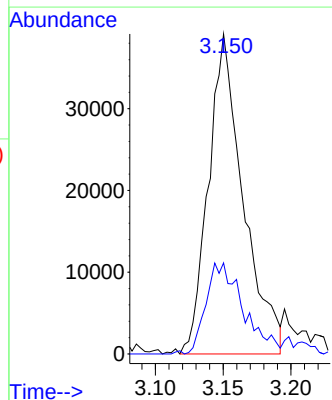
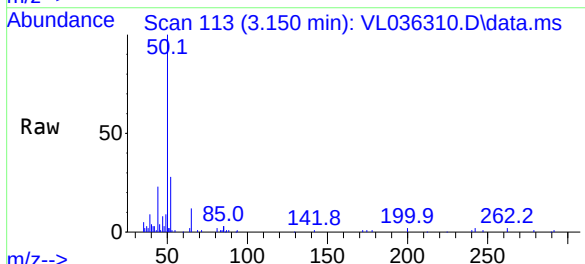
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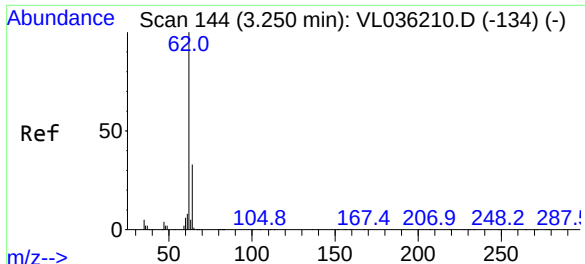
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#4
Chloromethane
Concen: 0.74 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.016 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 50 Resp: 69732
Ion Ratio Lower Upper
50 100
52 27.6 27.8 41.8#





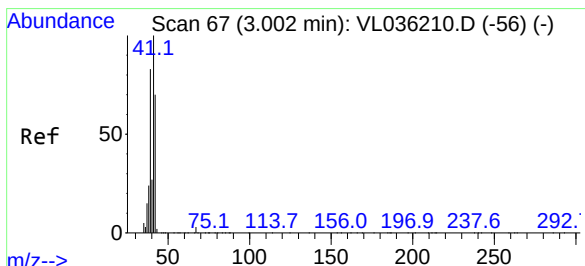
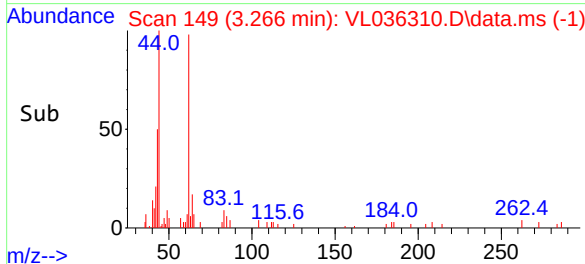
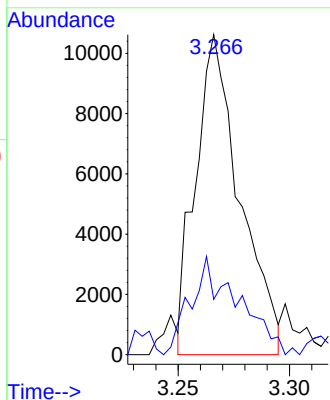
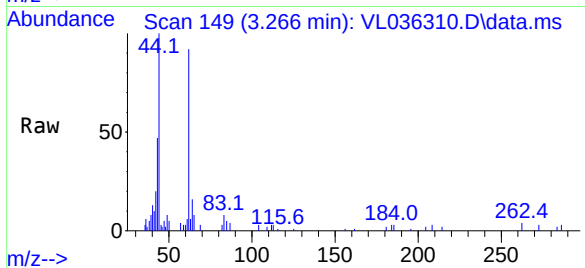
#5
 Vinyl Chloride
 Concen: 0.17 ppbv
 RT: 3.266 min Scan# 149
 Delta R.T. 0.016 min
 Lab File: VL036310.D
 Acq: 4 Feb 2021 1:56

Tgt Ion: 62 Resp: 14708
 Ion Ratio Lower Upper
 62 100
 64 12.6 26.2 39.2#

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INFLUENT

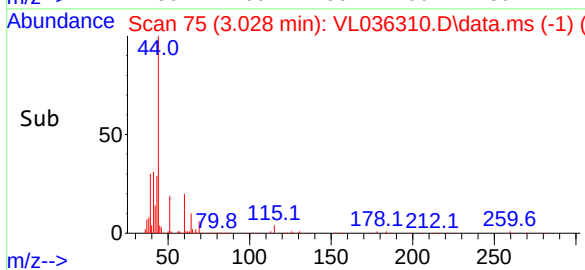
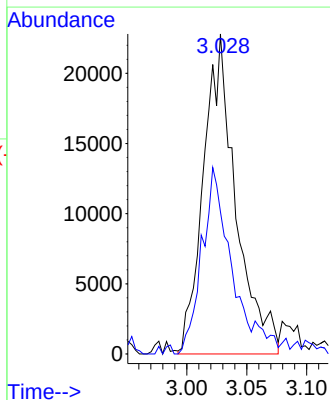
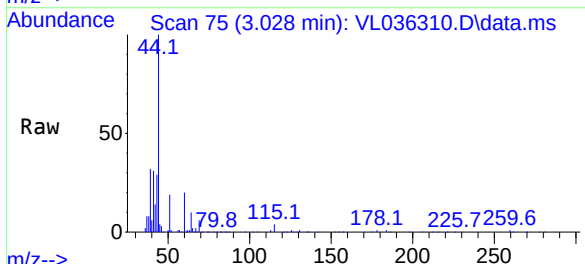
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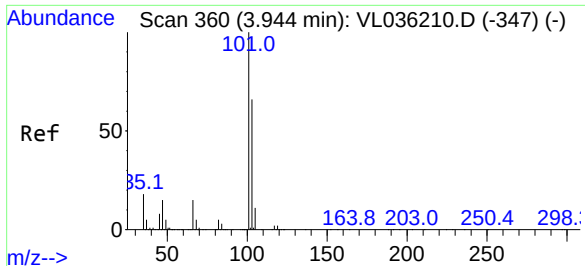
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#9
 Propene
 Concen: 0.48 ppbv m
 RT: 3.028 min Scan# 75
 Delta R.T. 0.026 min
 Lab File: VL036310.D
 Acq: 4 Feb 2021 1:56

Tgt Ion: 41 Resp: 42955
 Ion Ratio Lower Upper
 41 100
 42 5.4 57.1 85.7#





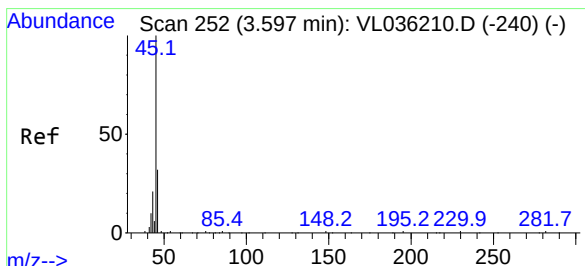
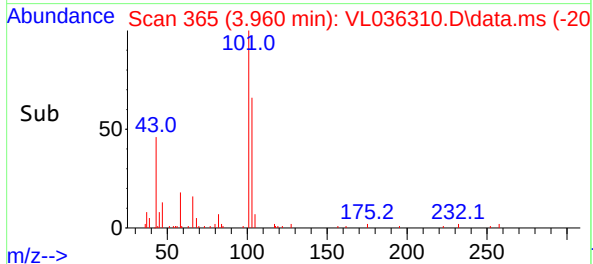
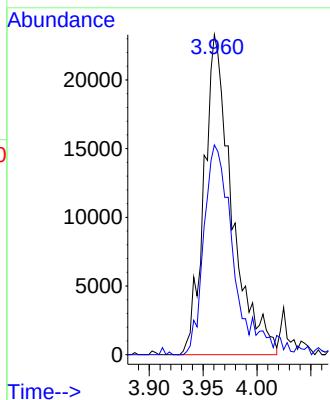
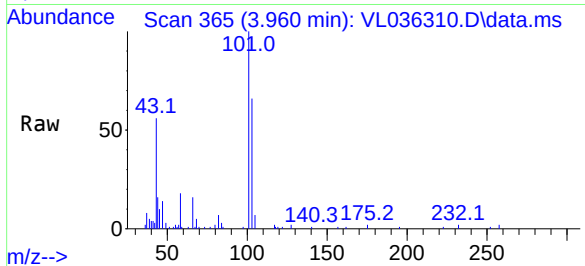
#11
Trichlorofluoromethane
Concen: 0.20 ppbv m
RT: 3.960 min Scan# 365
Delta R.T. 0.016 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 101 Resp: 41834
Ion Ratio Lower Upper
101 100
103 65.6 52.6 78.8

Instrument :
MSVOA_L
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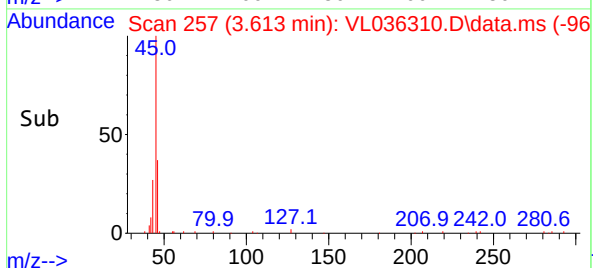
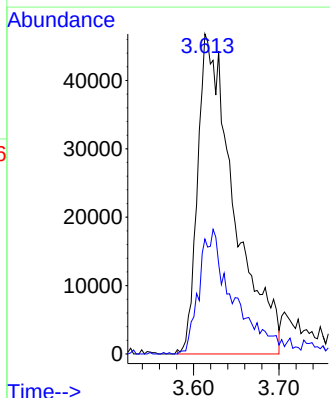
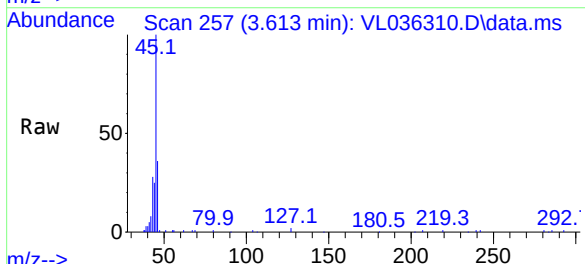
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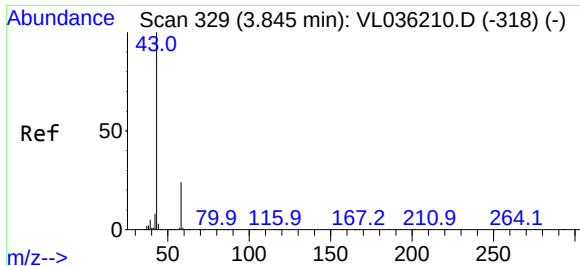
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#13
Ethanol
Concen: 9.73 ppbv m
RT: 3.613 min Scan# 257
Delta R.T. 0.016 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

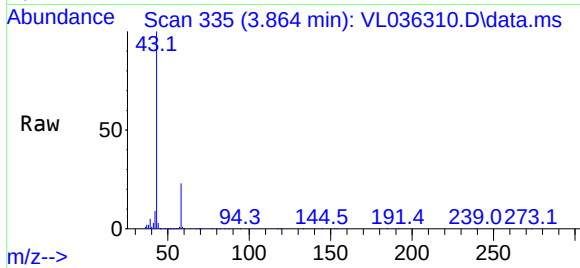
Tgt Ion: 45 Resp: 137989
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#





#15
Acetone
Concen: 5.12 ppbv
RT: 3.864 min Scan# 335
Delta R.T. 0.019 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

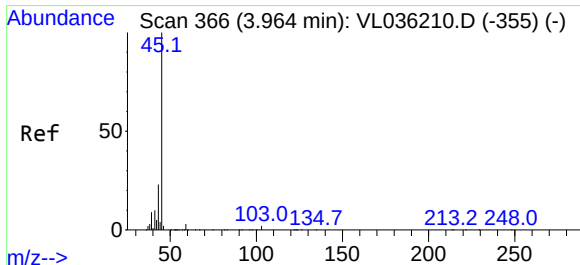
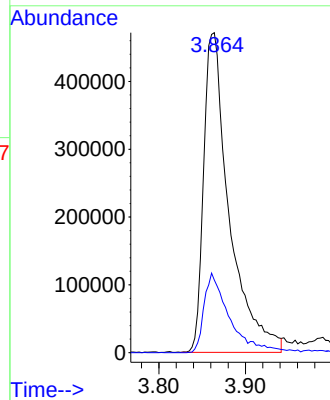
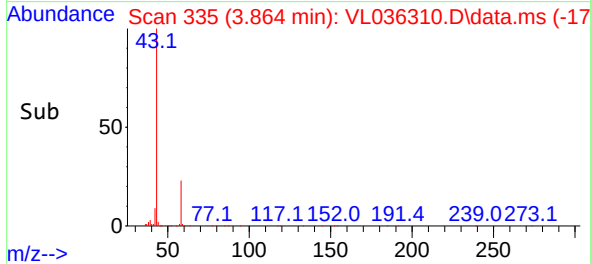
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENT



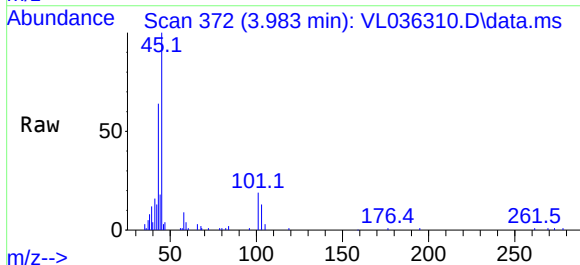
Tgt Ion: 43 Resp: 968809
Ion Ratio Lower Upper
43 100
58 25.2 20.9 31.3

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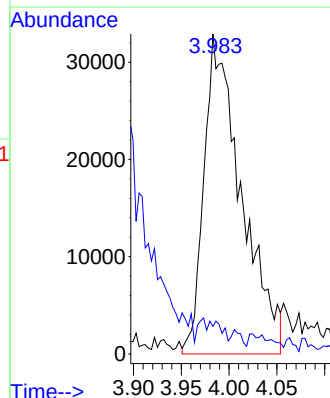
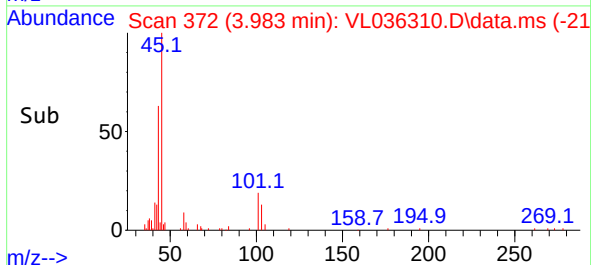
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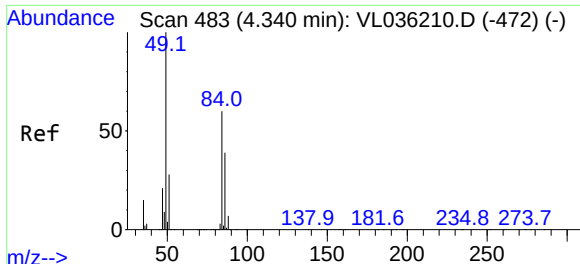


#19
Isopropyl Alcohol
Concen: 0.78 ppbv m
RT: 3.983 min Scan# 372
Delta R.T. 0.019 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56



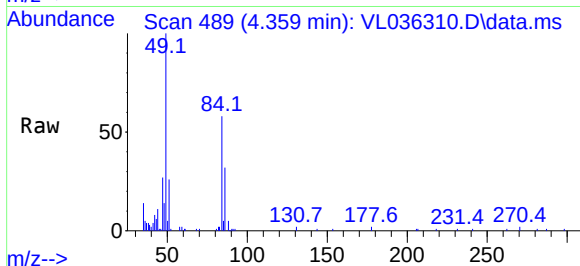
Tgt Ion: 45 Resp: 89191
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 0.50 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENT

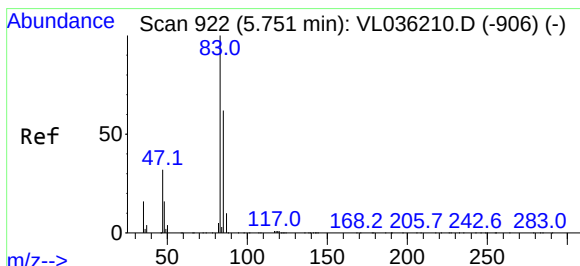
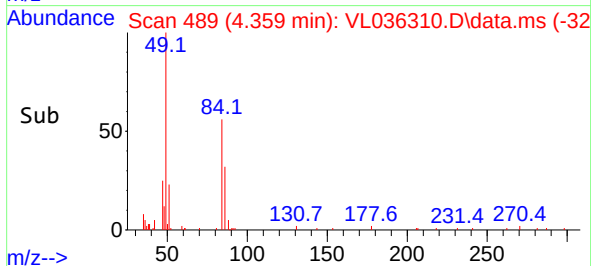
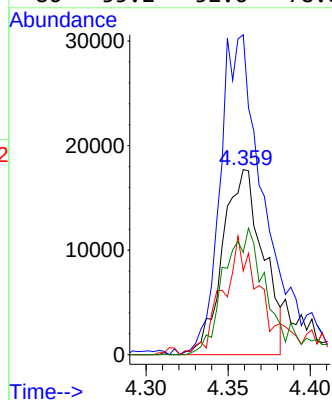


Tgt Ion: 84 Resp: 30195

Ion	Ratio	Lower	Upper
84	100		
49	172.8	134.1	201.1
51	44.2	37.4	56.0
86	55.2	52.6	78.8

Manual Integrations
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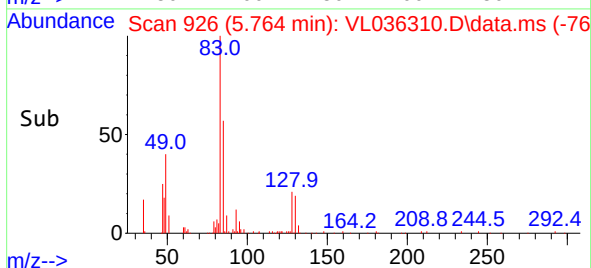
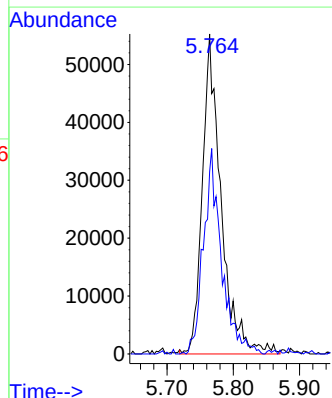
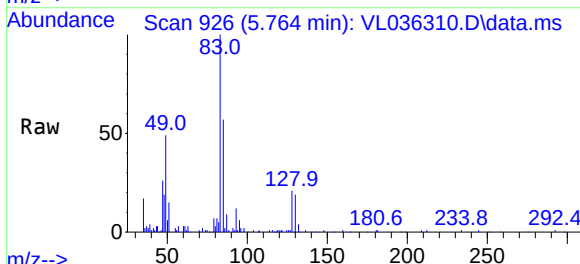
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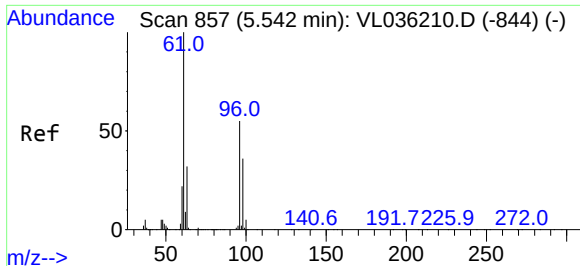


#29
Chloroform
Concen: 0.48 ppbv m
RT: 5.764 min Scan# 926
Delta R.T. 0.013 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

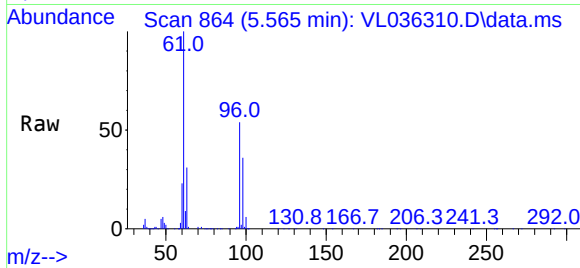
Tgt Ion: 83 Resp: 107702

Ion	Ratio	Lower	Upper
83	100		
85	56.9	49.3	73.9



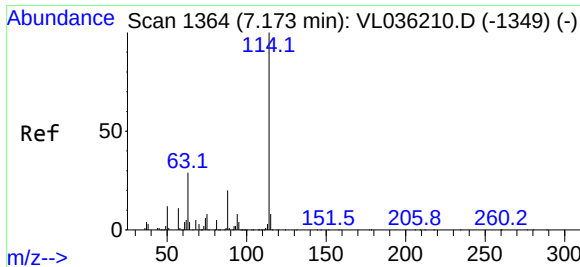
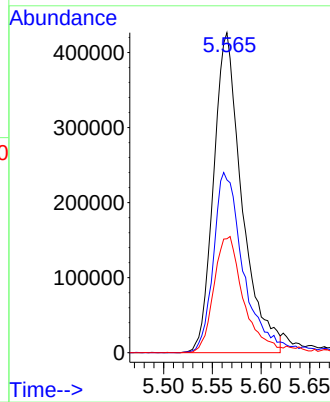
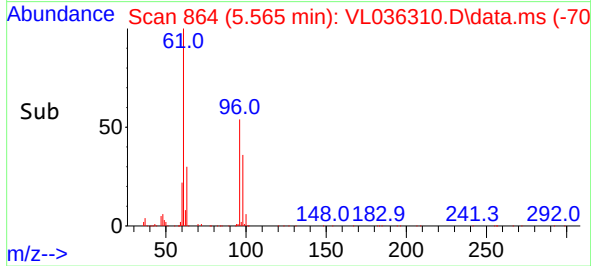


#31
cis-1,2-Dichloroethene
Concen: 5.71 ppbv
RT: 5.565 min Scan# 864
Delta R.T. 0.023 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

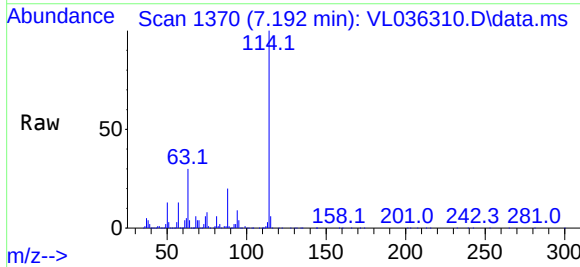


Tgt Ion: 61 Resp: 863514

Ion	Ratio	Lower	Upper
61	100		
96	54.0	44.1	66.1
98	35.6	28.6	42.8

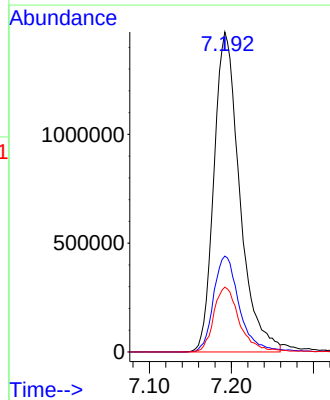
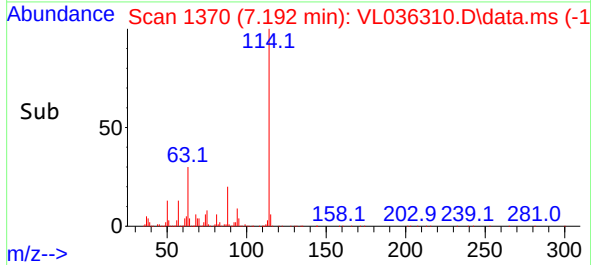


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.192 min Scan# 1370
Delta R.T. 0.019 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56



Tgt Ion: 114 Resp: 3207110

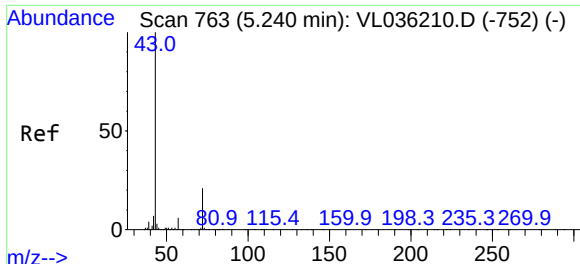
Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.7	37.1
88	20.7	16.6	24.8



Instrument :
MSVOA_L
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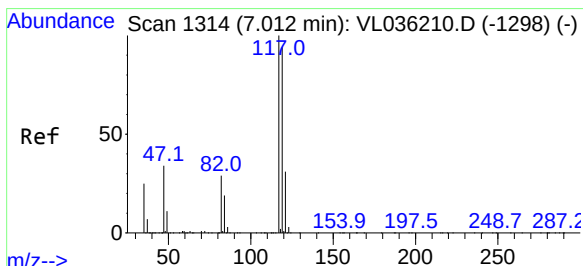
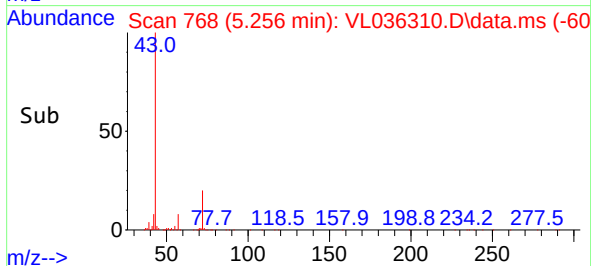
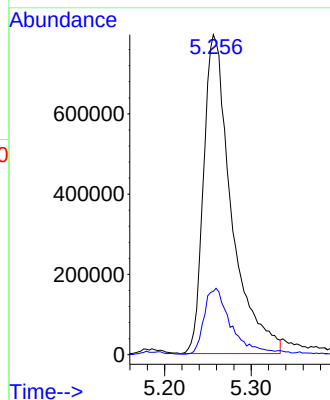
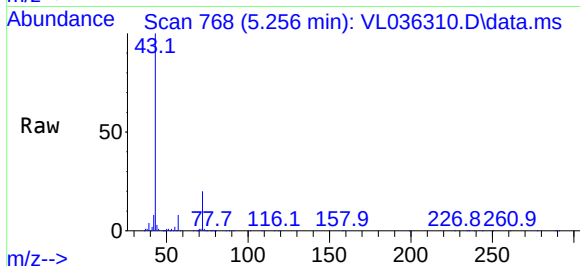
#34
2-Butanone
Concen: 7.49 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.016 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 43 Resp: 1770005
Ion Ratio Lower Upper
43 100
72 21.0 16.1 24.1

Instrument :
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ClientSampleId :
OFFSITE-DDC-INFLUENT

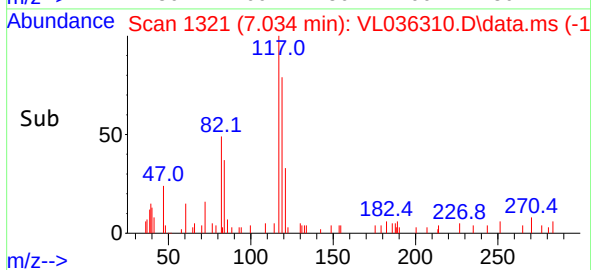
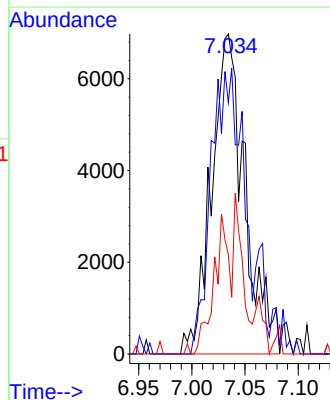
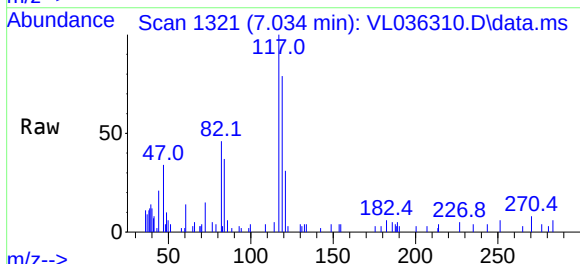
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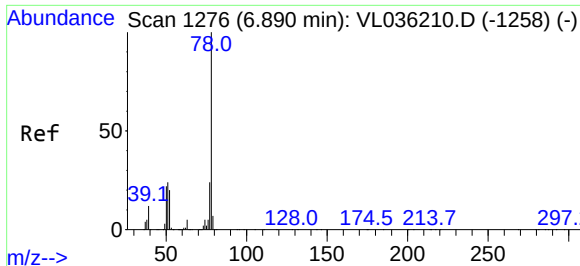
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#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.023 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 117 Resp: 15194
Ion Ratio Lower Upper
117 100
119 78.5 74.9 112.3
121 31.0 25.0 37.6





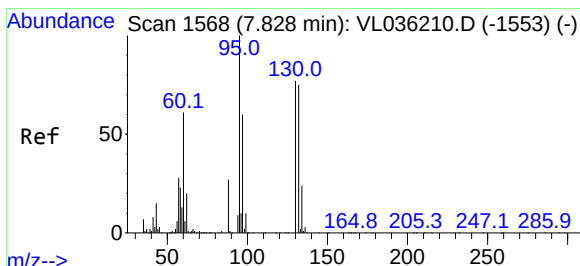
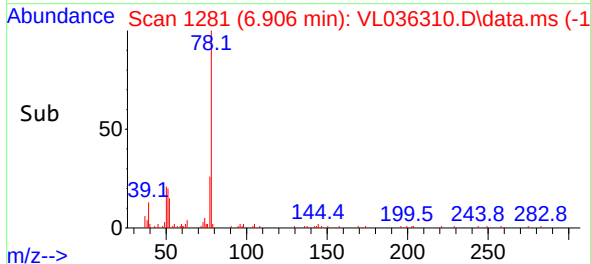
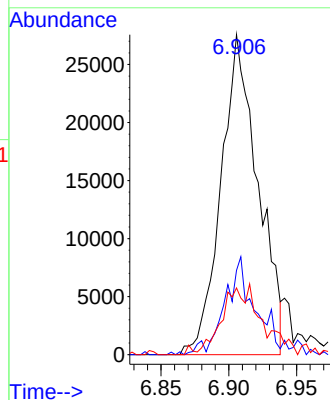
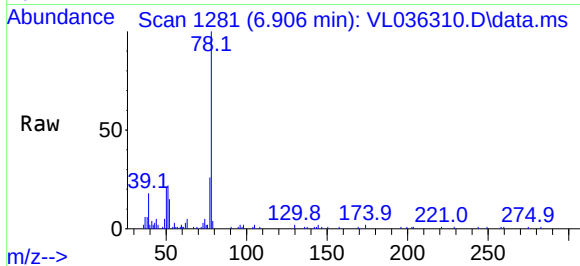
#36
Benzene
Concen: 0.18 ppbv
RT: 6.906 min Scan# 1281
Delta R.T. 0.016 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 78	Resp: 52364
Ion Ratio	Lower Upper
78 100	
77 25.5	19.4 29.0
50 20.9	17.4 26.2

Instrument :
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ClientSampleId :
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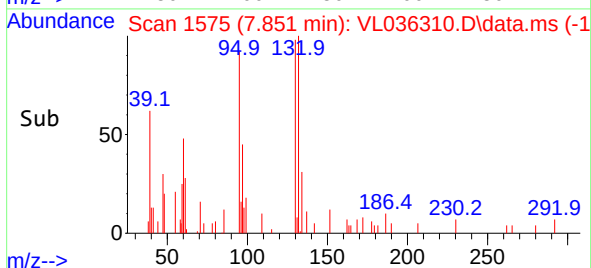
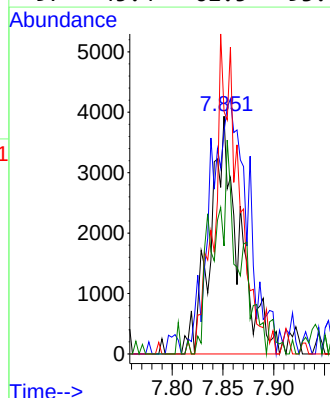
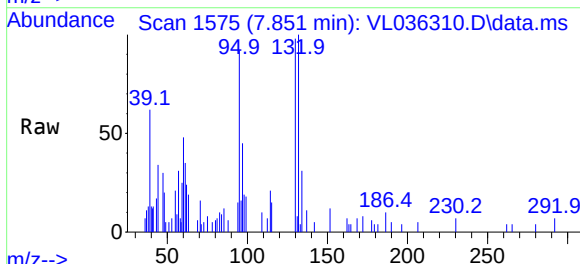
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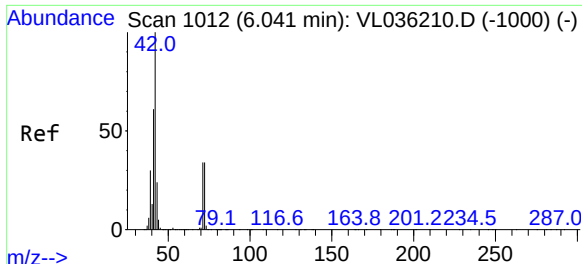
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#38
Trichloroethene
Concen: 0.07 ppbv m
RT: 7.851 min Scan# 1575
Delta R.T. 0.023 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion:130	Resp: 7808
Ion Ratio	Lower Upper
130 100	
95 93.5	103.9 155.9#
132 102.0	77.4 116.2
97 45.4	62.5 93.7#





#41
Tetrahydrofuran
Concen: 1.55 ppbv
RT: 6.073 min Scan# 1022
Delta R.T. 0.032 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

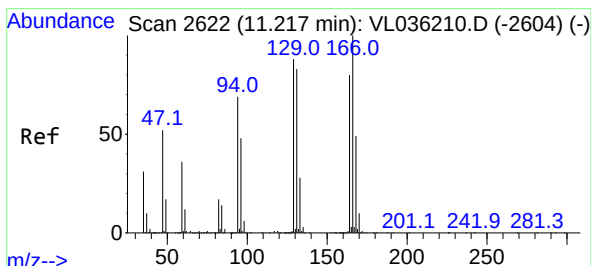
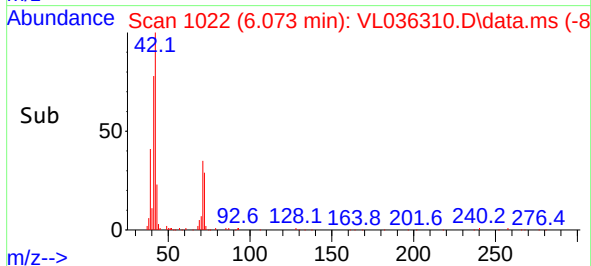
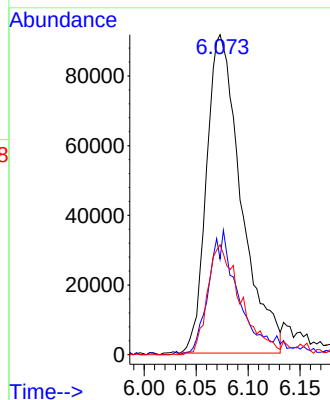
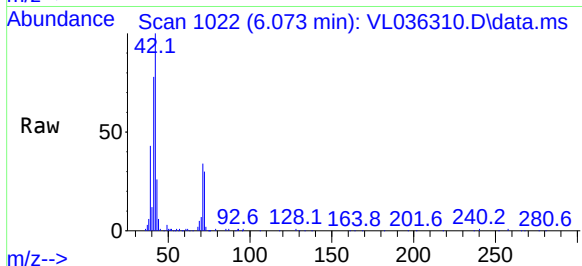
Tgt Ion: 42 Resp: 211662

Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.5	44.3
71	35.8	29.1	43.7

Instrument :
MSVOA_L
ClientSampleId :
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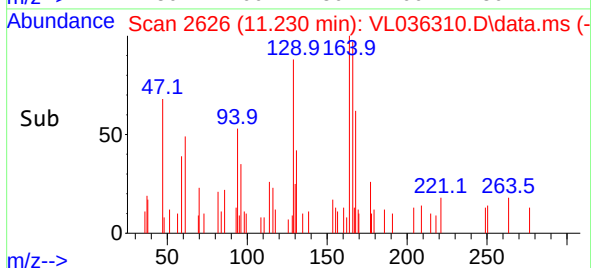
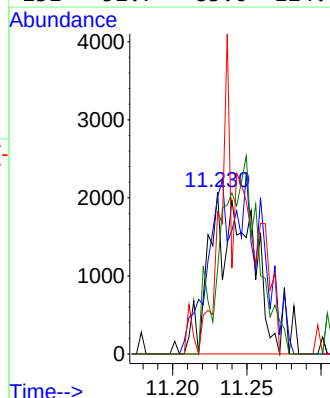
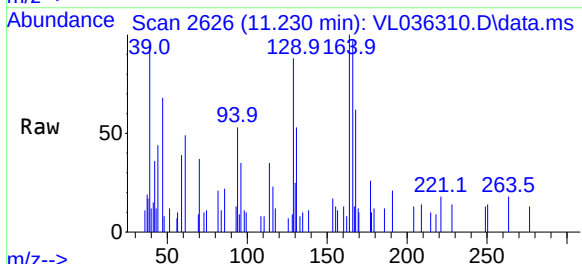
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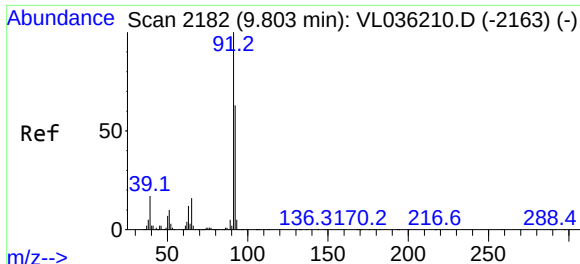


#52
Tetrachloroethene
Concen: 0.04 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.013 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

Tgt Ion: 164 Resp: 4005

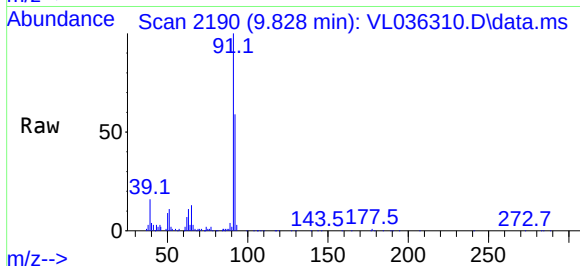
Ion	Ratio	Lower	Upper
164	100		
166	97.2	99.9	149.9#
129	87.7	88.2	132.4#
131	52.7	83.0	124.6#





#53
Toluene
Concen: 0.73 ppbv
RT: 9.828 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56

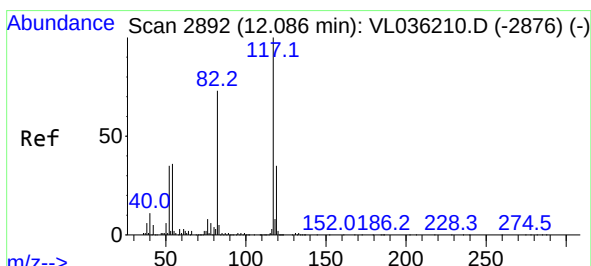
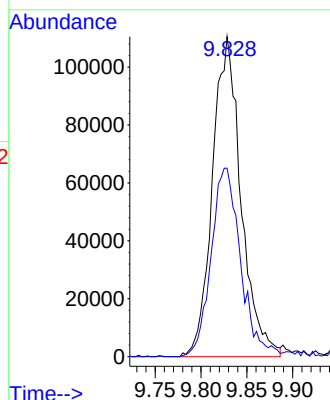
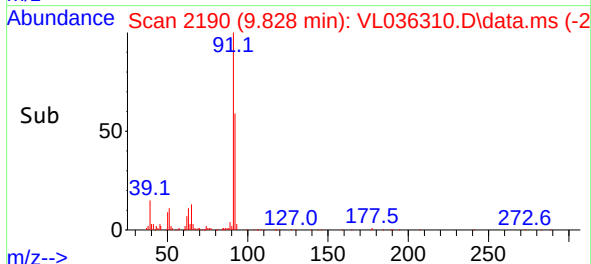
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENT



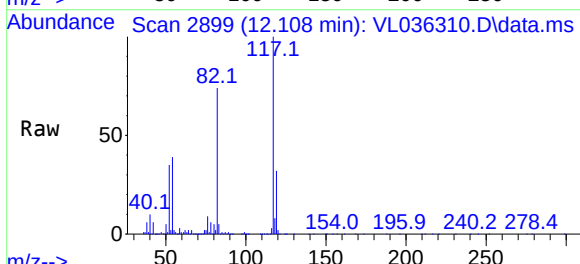
Tgt Ion: 91 Resp: 239450
Ion Ratio Lower Upper
91 100
92 62.4 48.5 72.7

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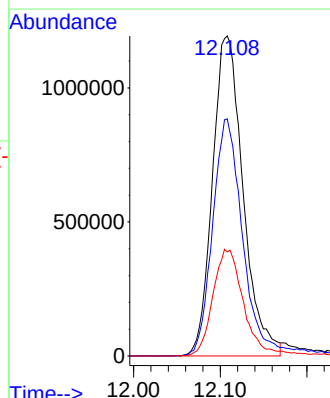
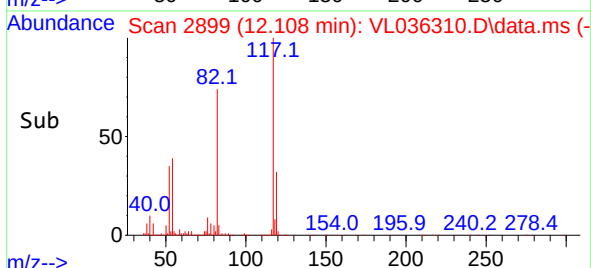
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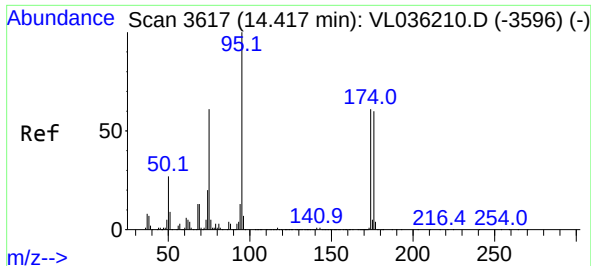


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.108 min Scan# 2899
Delta R.T. 0.023 min
Lab File: VL036310.D
Acq: 4 Feb 2021 1:56



Tgt Ion: 117 Resp: 2930752
Ion Ratio Lower Upper
117 100
82 75.8 59.7 89.5
119 34.3 28.6 43.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.10 ppbv
 RT: 14.436 min Scan# 3623
 Delta R.T. 0.019 min
 Lab File: VL036310.D
 Acq: 4 Feb 2021 1:56

Tgt Ion: 95 Resp: 2449244

Ion	Ratio	Lower	Upper
95	100		
174	63.5	49.4	74.0
175	4.8	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
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