

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036307.D
 Acq On : 3 Feb 2021 23:53
 Operator : SY/AP
 Sample : M1295-06
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENT

Manual Integrations
 APPROVED

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 2/4/2021 5:15:29 PM

Quant Time: Feb 04 01:49:03 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	1550300	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3220399	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.111	117	2912598	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.439	95	2328764	9.66	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	37932	0.18	ppbv	89
3) Chlorodifluoromethane	2.996	51	44791m	0.24	ppbv	
4) Chloromethane	3.150	50	71684	0.76	ppbv #	87
5) Vinyl Chloride	3.266	62	11918m	0.13	ppbv	
9) Propene	3.028	41	41850	0.46	ppbv	91
11) Trichlorofluoromethane	3.967	101	41579	0.20	ppbv	97
13) Ethanol	3.623	45	180270	12.66	ppbv	99
15) Acetone	3.864	43	440533	2.32	ppbv	98
19) Isopropyl Alcohol	3.996	45	63011m	0.55	ppbv	
20) Methylene Chloride	4.359	84	370932	6.12	ppbv	98
22) trans-1,2-Dichloroethene	4.902	96	10969m	0.20	ppbv	
26) Hexane	5.706	57	273859	1.73	ppbv #	37
29) Chloroform	5.771	83	86293	0.38	ppbv #	83
31) cis-1,2-Dichloroethene	5.565	61	1462170	9.64	ppbv	94
34) 2-Butanone	5.266	43	225368	0.95	ppbv	93
35) Carbon Tetrachloride	7.031	117	12571m	0.06	ppbv	
36) Benzene	6.906	78	42224m	0.14	ppbv	
52) Tetrachloroethene	11.246	164	4016m	0.04	ppbv	
53) Toluene	9.828	91	375799	1.14	ppbv	99

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

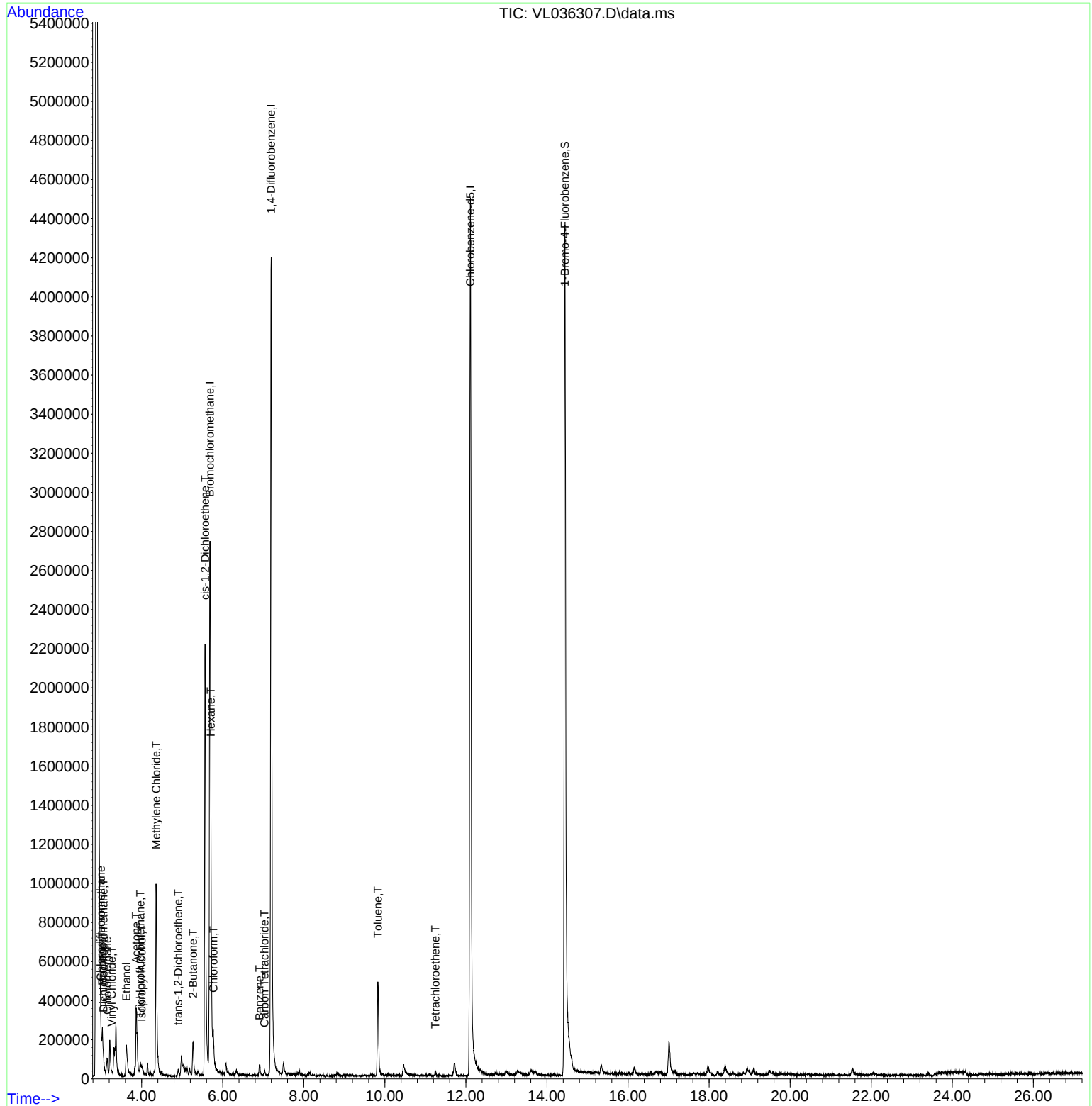
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
Data File : VL036307.D
Acq On : 3 Feb 2021 23:53
Operator : SY/AP
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

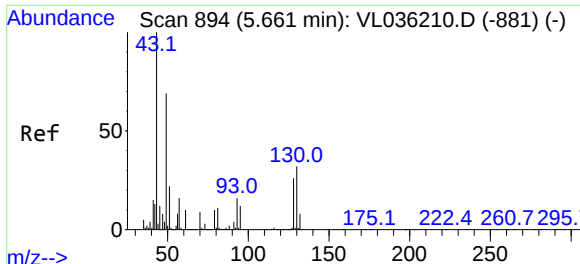
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENT

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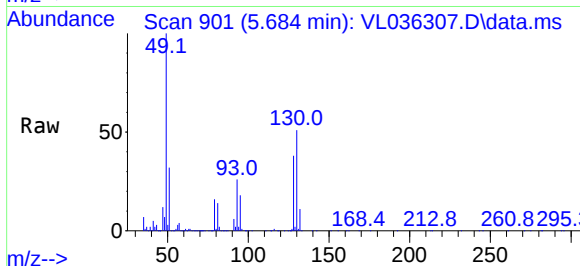
Quant Time: Feb 04 01:49:03 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENT

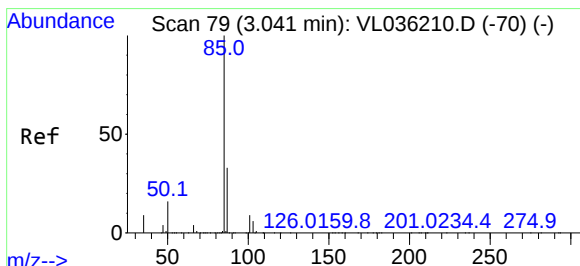
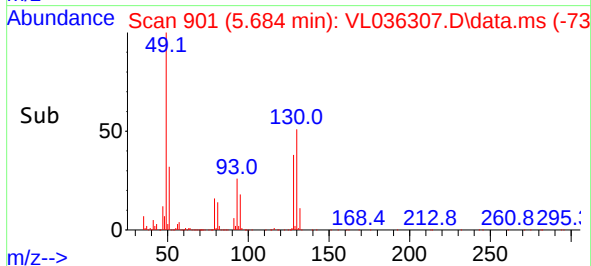
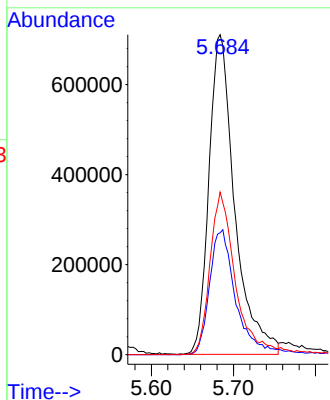


Tgt Ion: 49 Resp: 1550300

Ion	Ratio	Lower	Upper
49	100		
128	40.5	20.1	60.2
130	51.9	25.3	75.9

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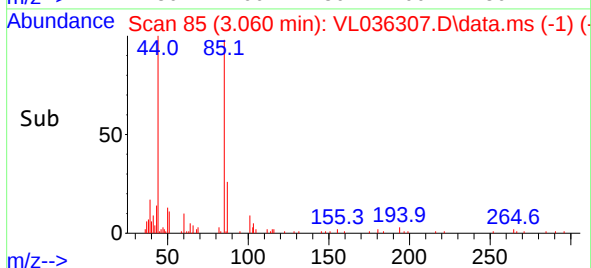
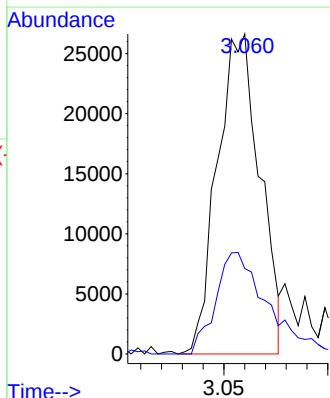
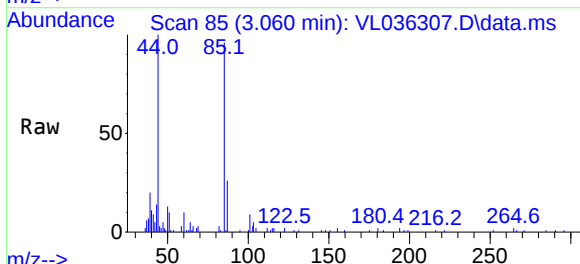
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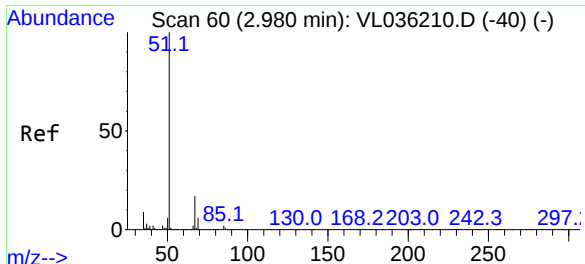


#2
Dichlorodifluoromethane
Concen: 0.18 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Tgt Ion: 85 Resp: 37932

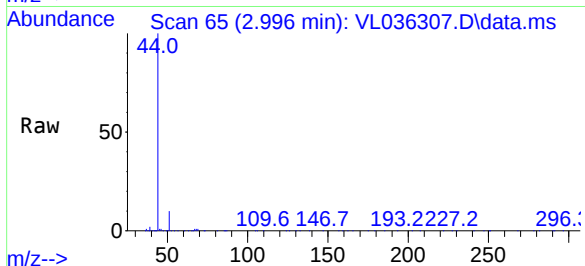
Ion	Ratio	Lower	Upper
85	100		
87	26.7	26.4	39.6





#3
Chlorodifluoromethane
Concen: 0.24 ppbv m
RT: 2.996 min Scan# 65
Delta R.T. 0.016 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

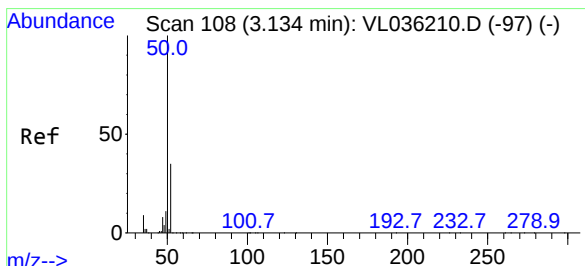
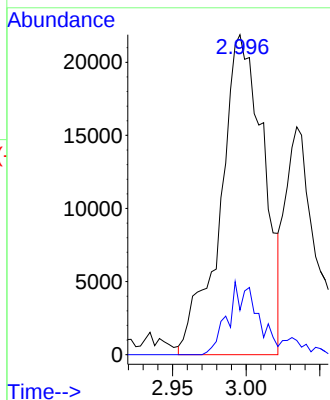
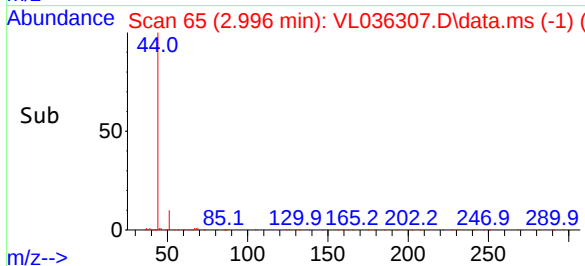
Instrument :
MSVOA_L
ClientSampleId :
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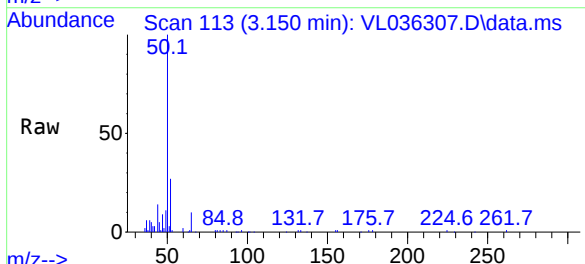
Tgt Ion: 51 Resp: 44791
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0

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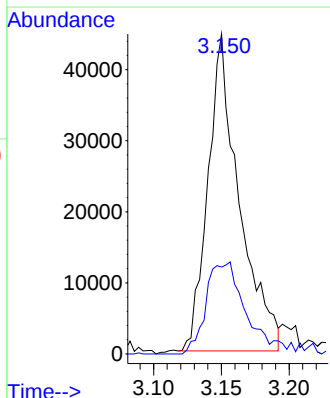
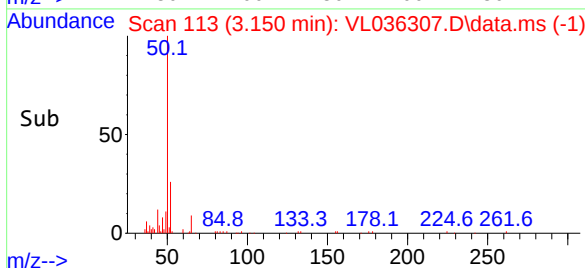
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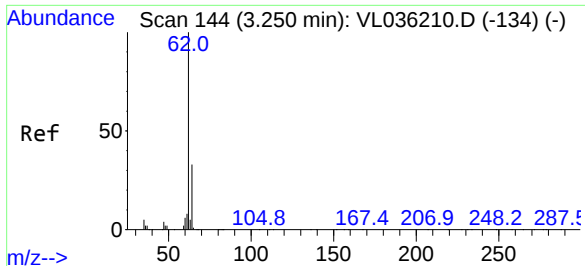


#4
Chloromethane
Concen: 0.76 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.016 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



Tgt Ion: 50 Resp: 71684
Ion Ratio Lower Upper
50 100
52 27.4 27.8 41.8#





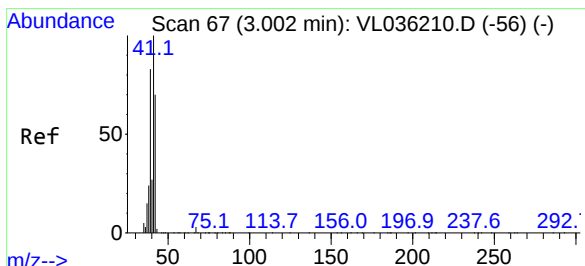
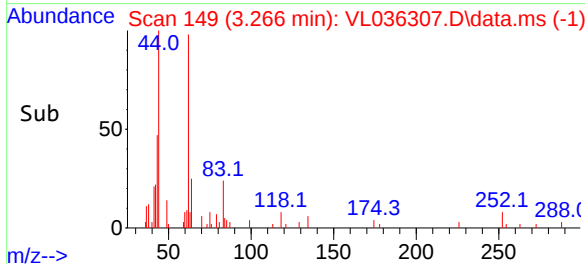
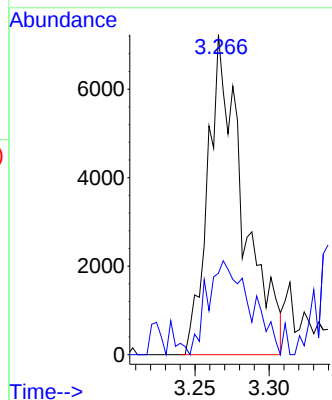
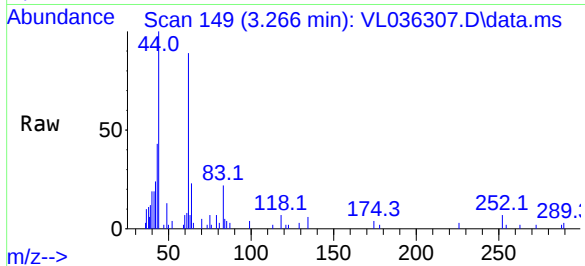
#5
 Vinyl Chloride
 Concen: 0.13 ppbv m
 RT: 3.266 min Scan# 149
 Delta R.T. 0.016 min
 Lab File: VL036307.D
 Acq: 3 Feb 2021 23:53

Tgt Ion: 62 Resp: 11918
 Ion Ratio Lower Upper
 62 100
 64 25.4 26.2 39.2#

Instrument :
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 ClientSampleId :
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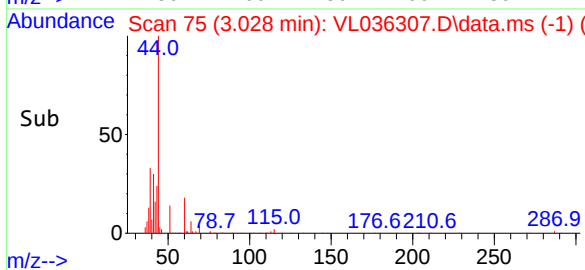
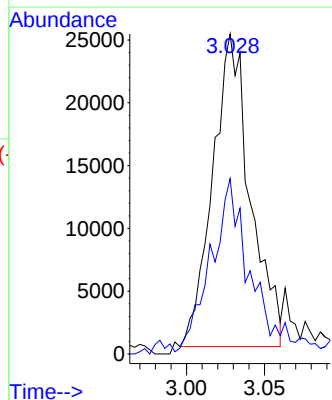
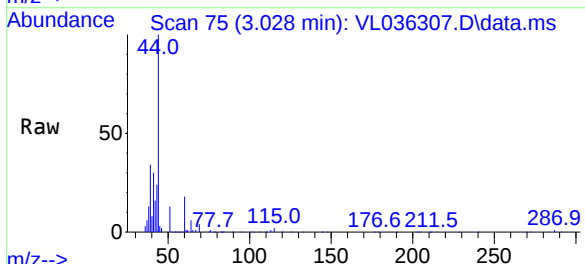
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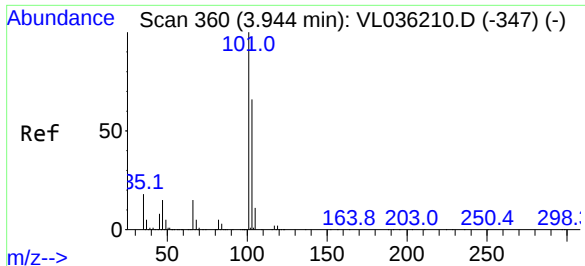
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#9
 Propene
 Concen: 0.46 ppbv
 RT: 3.028 min Scan# 75
 Delta R.T. 0.026 min
 Lab File: VL036307.D
 Acq: 3 Feb 2021 23:53

Tgt Ion: 41 Resp: 41850
 Ion Ratio Lower Upper
 41 100
 42 64.0 57.1 85.7





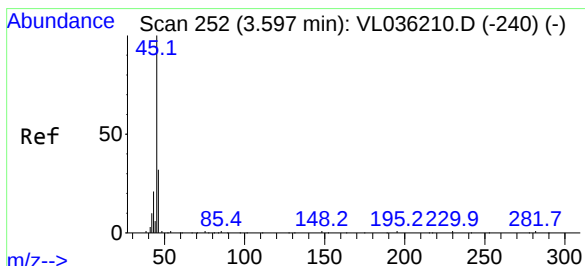
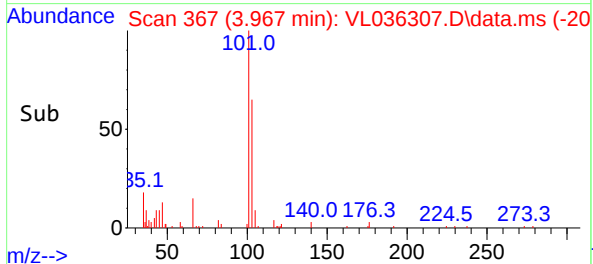
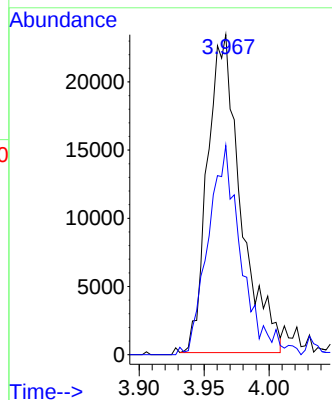
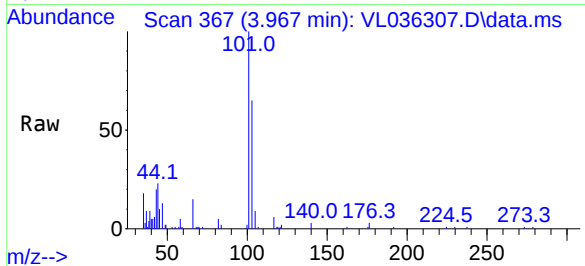
#11
Trichlorofluoromethane
Concen: 0.20 ppbv
RT: 3.967 min Scan# 367
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENT

Tgt Ion:101 Resp: 41579
Ion Ratio Lower Upper
101 100
103 63.5 52.6 78.8

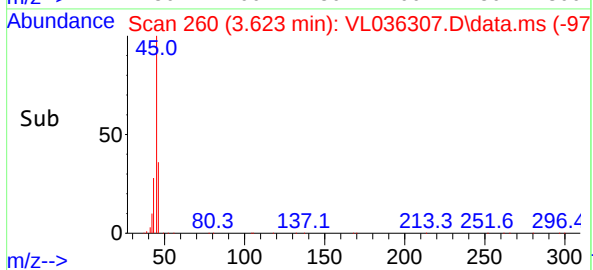
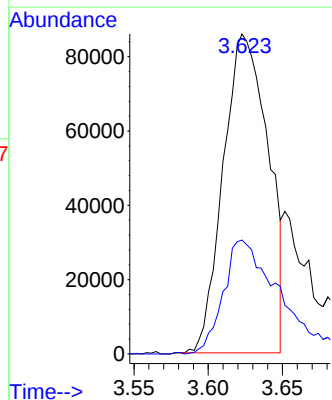
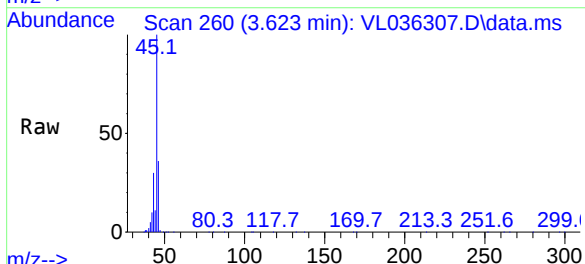
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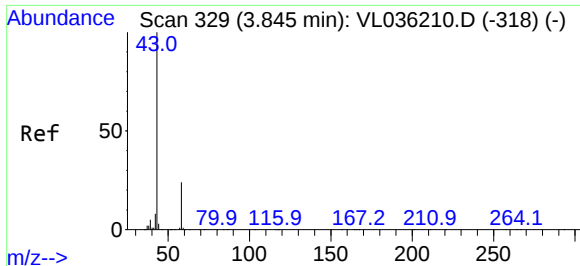
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#13
Ethanol
Concen: 12.66 ppbv
RT: 3.623 min Scan# 260
Delta R.T. 0.026 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

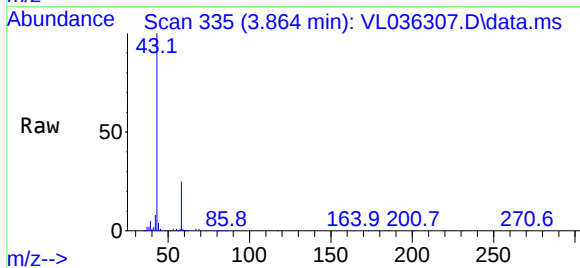
Tgt Ion: 45 Resp: 180270
Ion Ratio Lower Upper
45 100
46 48.9 19.2 77.0





#15
Acetone
Concen: 2.32 ppbv
RT: 3.864 min Scan# 335
Delta R.T. 0.019 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

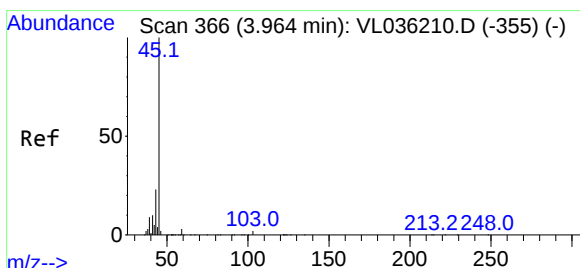
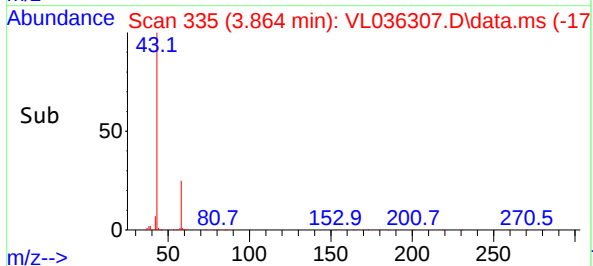
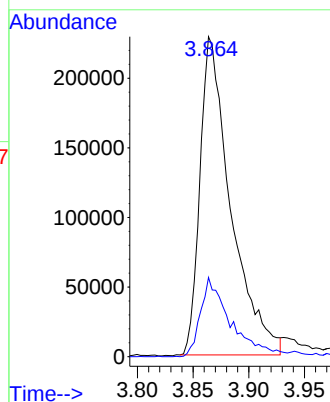
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 43 Resp: 440533
Ion Ratio Lower Upper
43 100
58 25.3 20.9 31.3

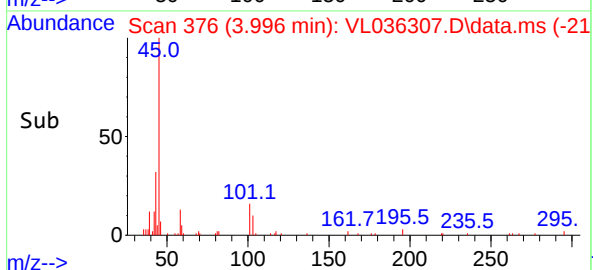
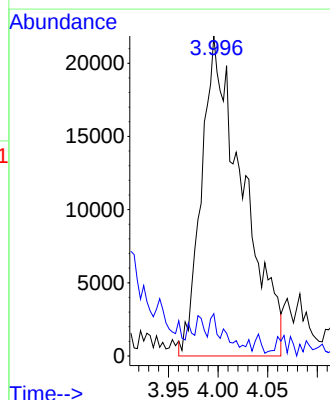
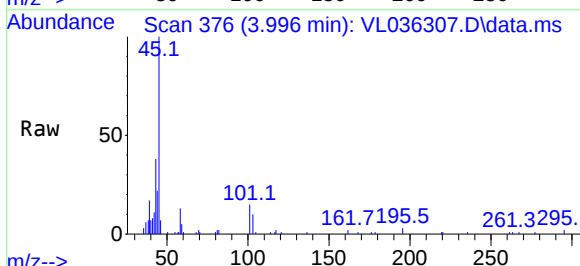
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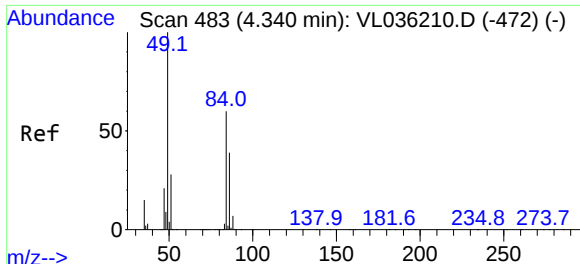
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#19
Isopropyl Alcohol
Concen: 0.55 ppbv m
RT: 3.996 min Scan# 376
Delta R.T. 0.032 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

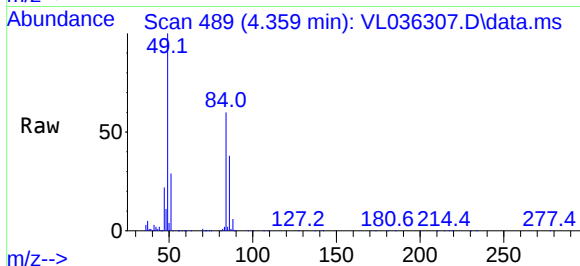
Tgt Ion: 45 Resp: 63011
Ion Ratio Lower Upper
45 100
58 8.9 1.9 2.9#





#20
Methylene Chloride
Concen: 6.12 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENT

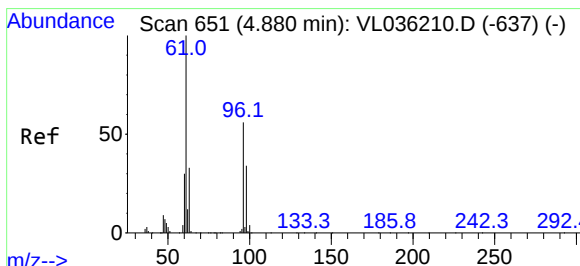
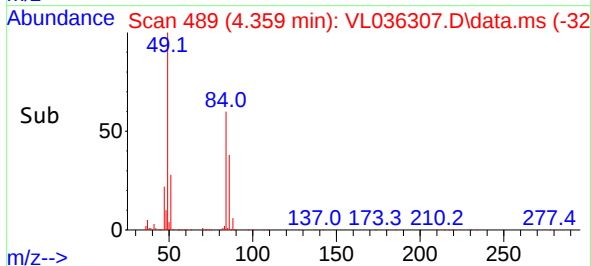
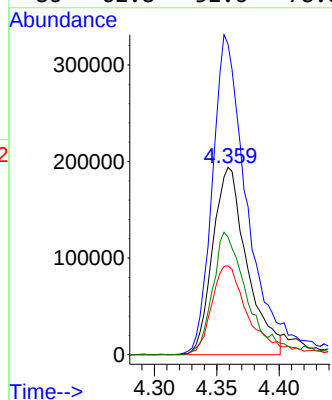


Tgt Ion: 84 Resp: 370932

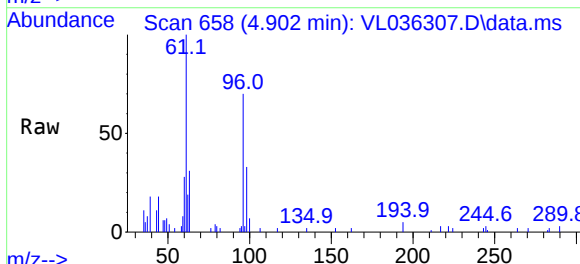
Ion	Ratio	Lower	Upper
84	100		
49	165.5	134.1	201.1
51	47.4	37.4	56.0
86	62.8	52.6	78.8

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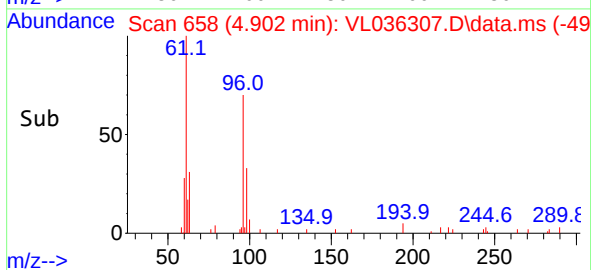
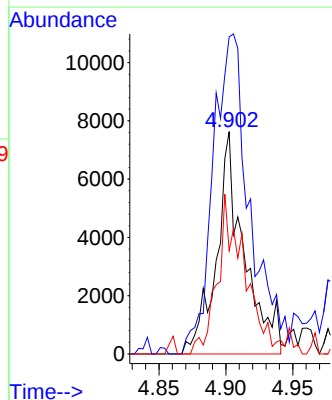


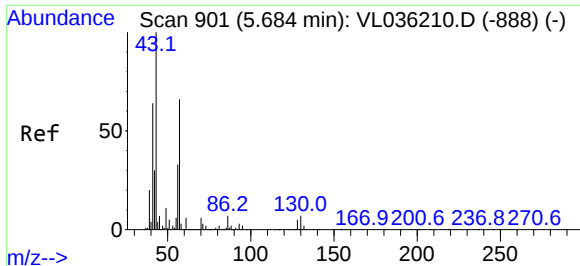
#22
trans-1,2-Dichloroethene
Concen: 0.20 ppbv m
RT: 4.902 min Scan# 658
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



Tgt Ion: 96 Resp: 10969

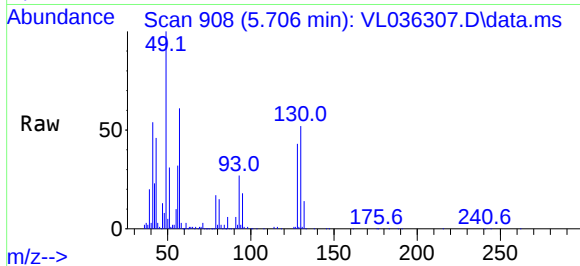
Ion	Ratio	Lower	Upper
96	100		
61	142.6	142.7	214.1#
98	46.5	48.7	73.1#





#26
Hexane
Concen: 1.73 ppbv
RT: 5.706 min Scan# 908
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

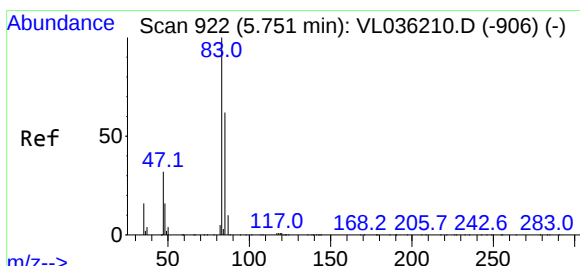
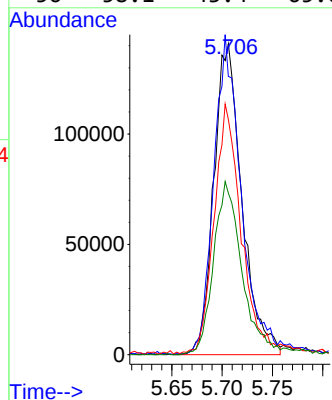
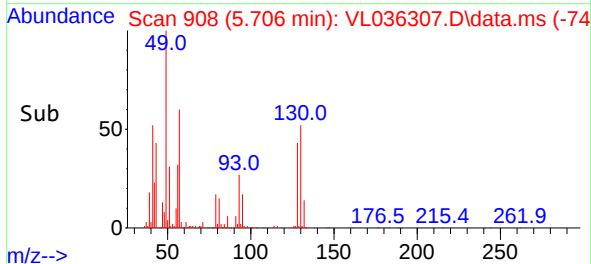
Instrument :
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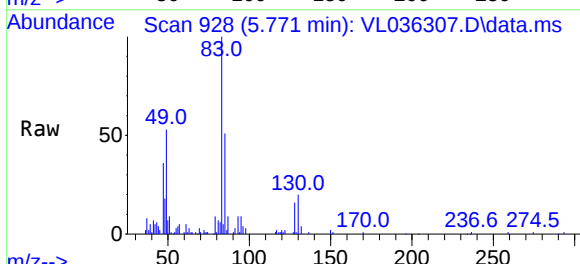
Tgt Ion: 57 Resp: 273859
Ion Ratio Lower Upper
57 100
41 102.5 83.0 124.6
43 77.4 202.4 303.6#
56 58.1 43.4 65.0

Manual Integrations
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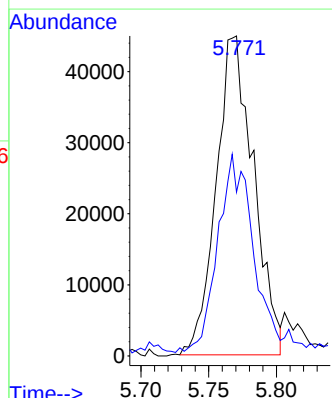
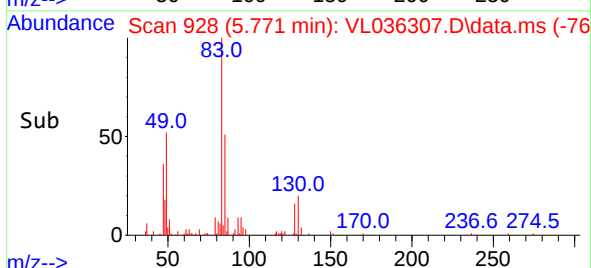
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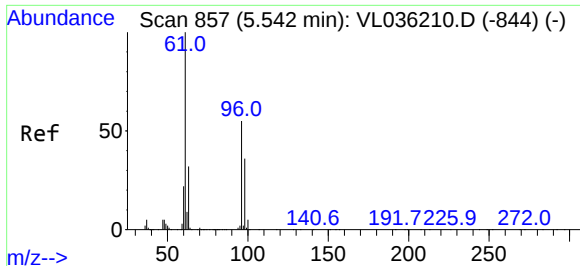


#29
Chloroform
Concen: 0.38 ppbv
RT: 5.771 min Scan# 928
Delta R.T. 0.019 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



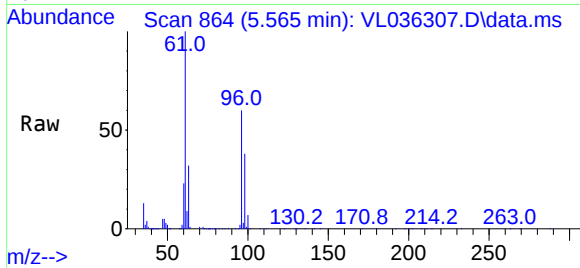
Tgt Ion: 83 Resp: 86293
Ion Ratio Lower Upper
83 100
85 48.8 49.3 73.9#





#31
cis-1,2-Dichloroethene
Concen: 9.64 ppbv
RT: 5.565 min Scan# 864
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
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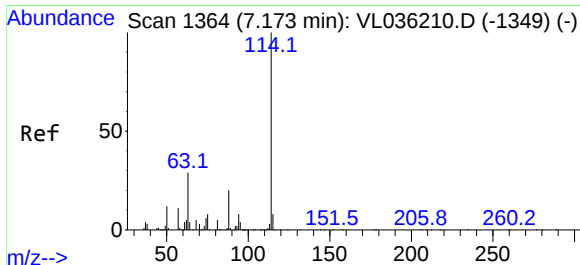
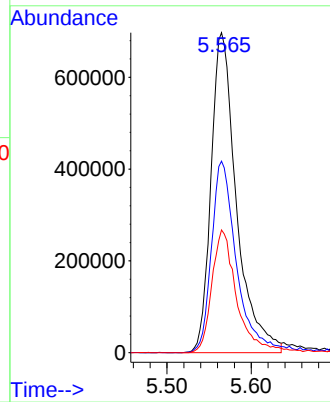
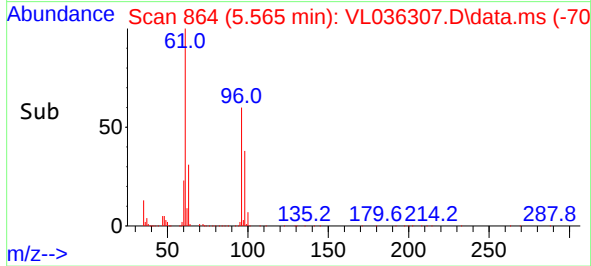


Tgt Ion: 61 Resp: 1462170

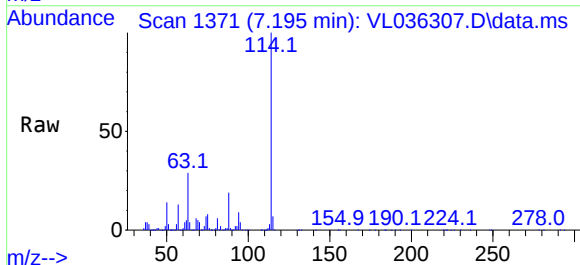
Ion	Ratio	Lower	Upper
61	100		
96	59.8	44.1	66.1
98	38.4	28.6	42.8

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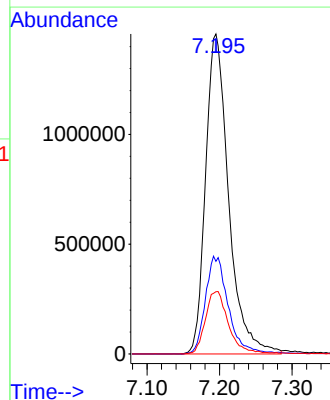
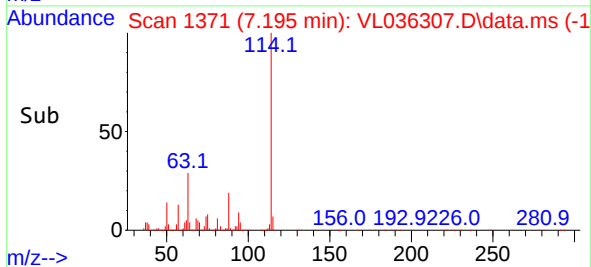


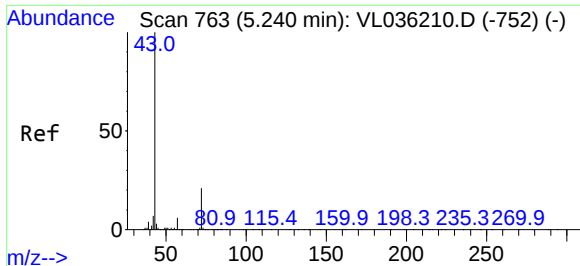
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.195 min Scan# 1371
Delta R.T. 0.022 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



Tgt Ion: 114 Resp: 3220399

Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	19.9	16.6	24.8





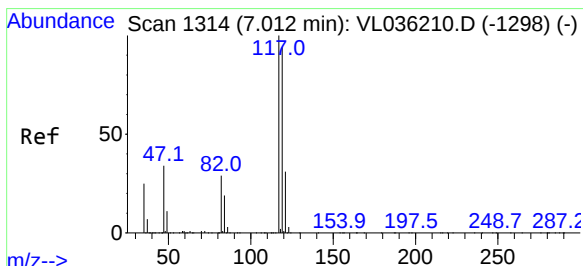
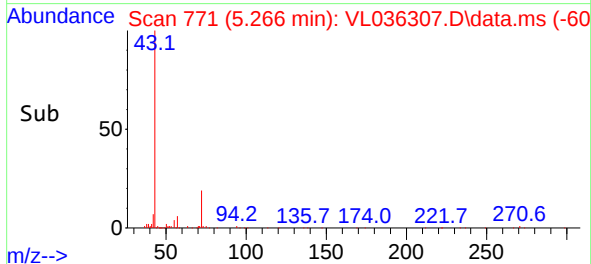
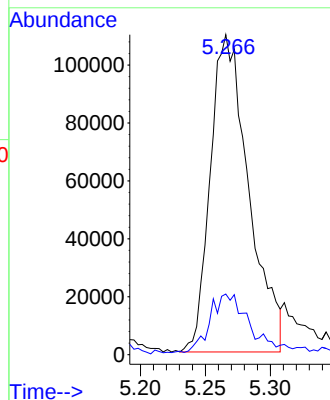
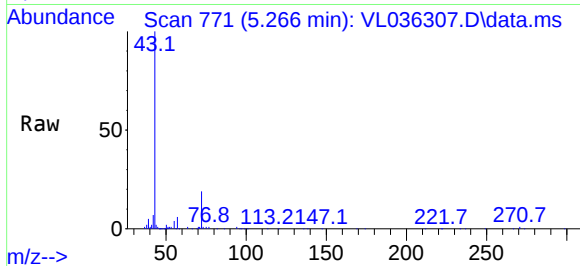
#34
2-Butanone
Concen: 0.95 ppbv
RT: 5.266 min Scan# 771
Delta R.T. 0.026 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

Tgt Ion: 43 Resp: 225368
Ion Ratio Lower Upper
43 100
72 23.4 16.1 24.1

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENT

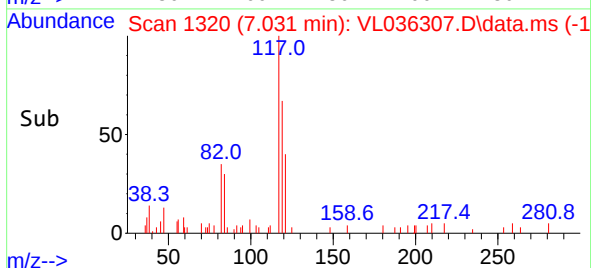
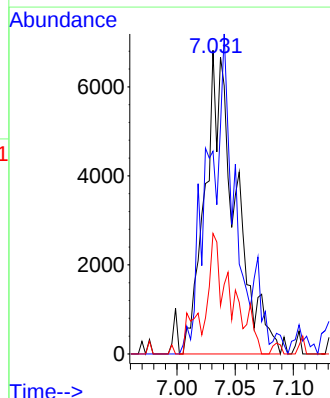
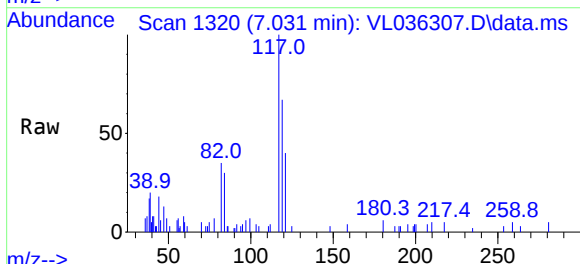
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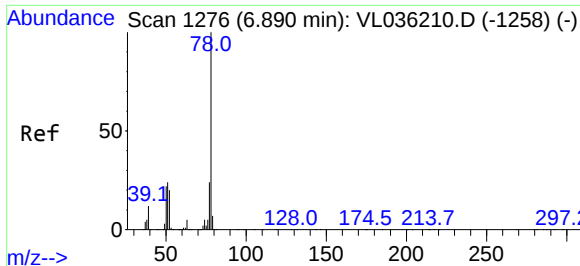
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#35
Carbon Tetrachloride
Concen: 0.06 ppbv m
RT: 7.031 min Scan# 1320
Delta R.T. 0.019 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

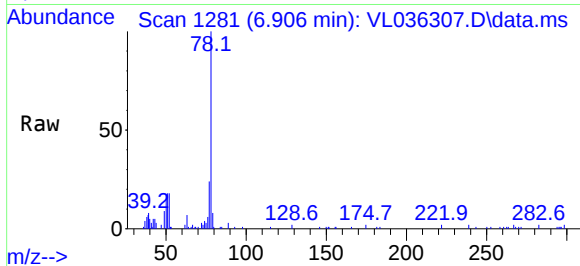
Tgt Ion: 117 Resp: 12571
Ion Ratio Lower Upper
117 100
119 66.7 74.9 112.3#
121 39.7 25.0 37.6#





#36
Benzene
Concen: 0.14 ppbv m
RT: 6.906 min Scan# 1281
Delta R.T. 0.016 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

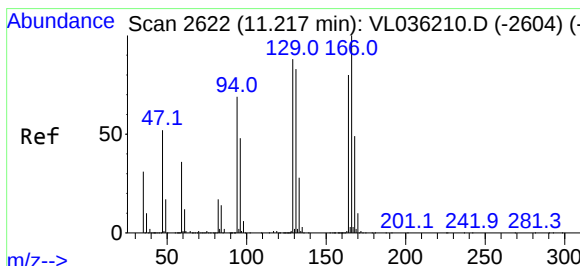
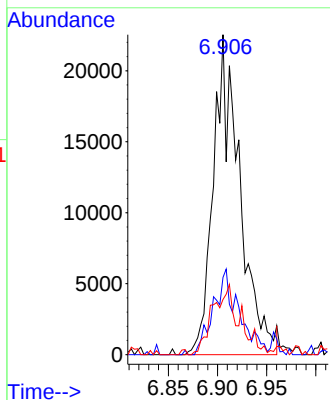
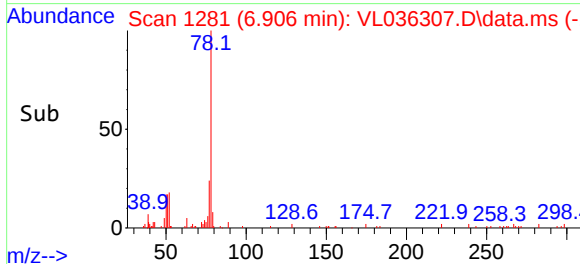
Instrument :
MSVOA_L
ClientSampleId :
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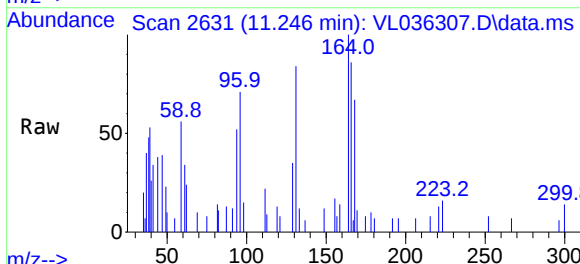
Tgt Ion: 78 Resp: 42224
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0
50 17.2 17.4 26.2#

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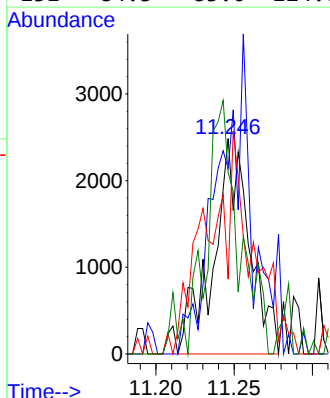
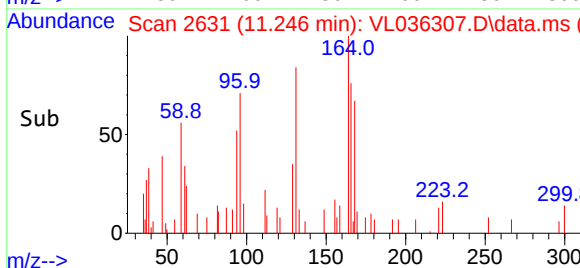
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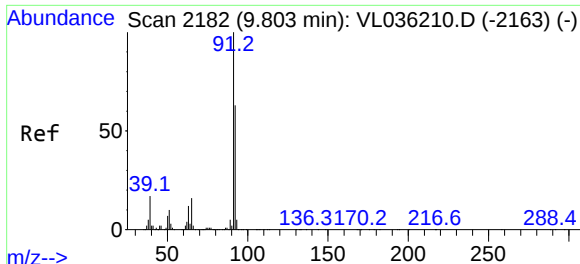


#52
Tetrachloroethene
Concen: 0.04 ppbv m
RT: 11.246 min Scan# 2631
Delta R.T. 0.029 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



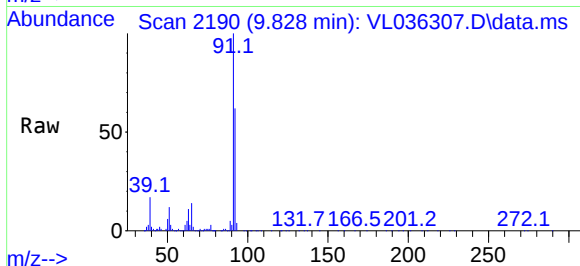
Tgt Ion: 164 Resp: 4016
Ion Ratio Lower Upper
164 100
166 86.2 99.9 149.9#
129 34.7 88.2 132.4#
131 84.3 83.0 124.6





#53
Toluene
Concen: 1.14 ppbv
RT: 9.828 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53

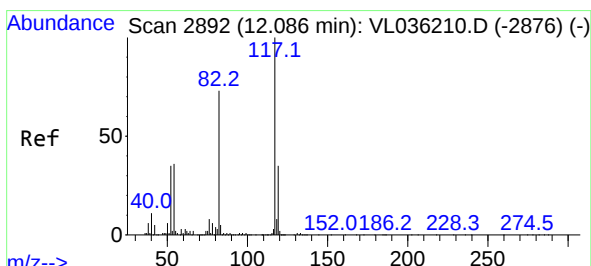
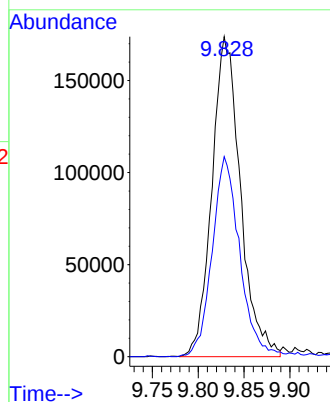
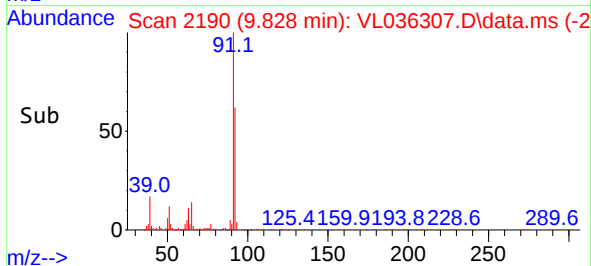
Instrument :
MSVOA_L
ClientSampleId :
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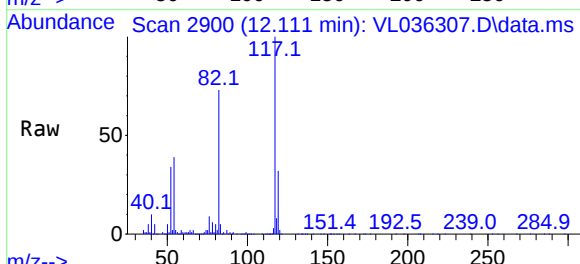
Tgt Ion: 91 Resp: 375799
Ion Ratio Lower Upper
91 100
92 61.2 48.5 72.7

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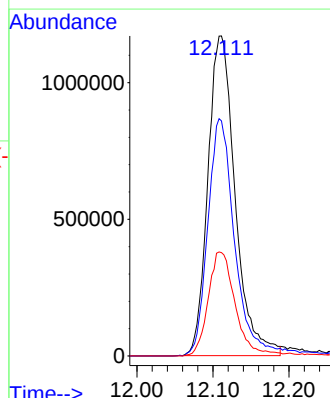
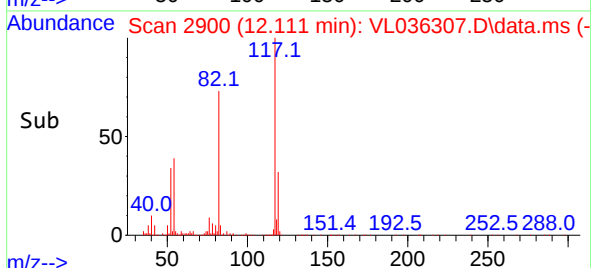
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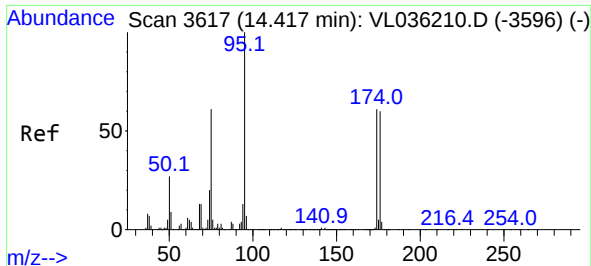


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.111 min Scan# 2900
Delta R.T. 0.026 min
Lab File: VL036307.D
Acq: 3 Feb 2021 23:53



Tgt Ion: 117 Resp: 2912598
Ion Ratio Lower Upper
117 100
82 75.5 59.7 89.5
119 33.6 28.6 43.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.66 ppbv
 RT: 14.439 min Scan# 3624
 Delta R.T. 0.022 min
 Lab File: VL036307.D
 Acq: 3 Feb 2021 23:53

Tgt Ion: 95 Resp: 2328764

Ion	Ratio	Lower	Upper
95	100		
174	66.0	49.4	74.0
175	4.7	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENT

Manual Integrations
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