

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036309.D
 Acq On : 4 Feb 2021 1:15
 Operator : SY/AP
 Sample : M1295-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Manual Integrations
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Quant Time: Feb 04 03:22:38 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	1552451	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	3273940	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.108	117	3049997	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.439	95	2463601	9.76	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	52770m	0.25	ppbv	
3) Chlorodifluoromethane	2.996	51	98642	0.52	ppbv #	87
4) Chloromethane	3.150	50	75392	0.80	ppbv	88
5) Vinyl Chloride	3.266	62	8683m	0.10	ppbv	
9) Propene	3.028	41	57125	0.63	ppbv	86
11) Trichlorofluoromethane	3.961	101	39921	0.19	ppbv	89
13) Ethanol	3.616	45	576092	40.41	ppbv	90
15) Acetone	3.861	43	991373	5.21	ppbv	91
19) Isopropyl Alcohol	3.989	45	282092m	2.46	ppbv	
20) Methylene Chloride	4.356	84	192041	3.16	ppbv	94
26) Hexane	5.703	57	185293	1.17	ppbv #	64
29) Chloroform	5.768	83	25513m	0.11	ppbv	
31) cis-1,2-Dichloroethene	5.565	61	200768m	1.32	ppbv	
34) 2-Butanone	5.259	43	1163987	4.83	ppbv	99
35) Carbon Tetrachloride	7.034	117	18111m	0.09	ppbv	
36) Benzene	6.912	78	53699	0.18	ppbv #	86
41) Tetrahydrofuran	6.079	42	135378m	0.97	ppbv	
53) Toluene	9.825	91	1553305	4.63	ppbv	99
59) m/p-Xylene	12.992	91	59881m	0.15	ppbv	

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

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OFFSITE-DDC-INTERMEDIATE-1

Manual Integrations
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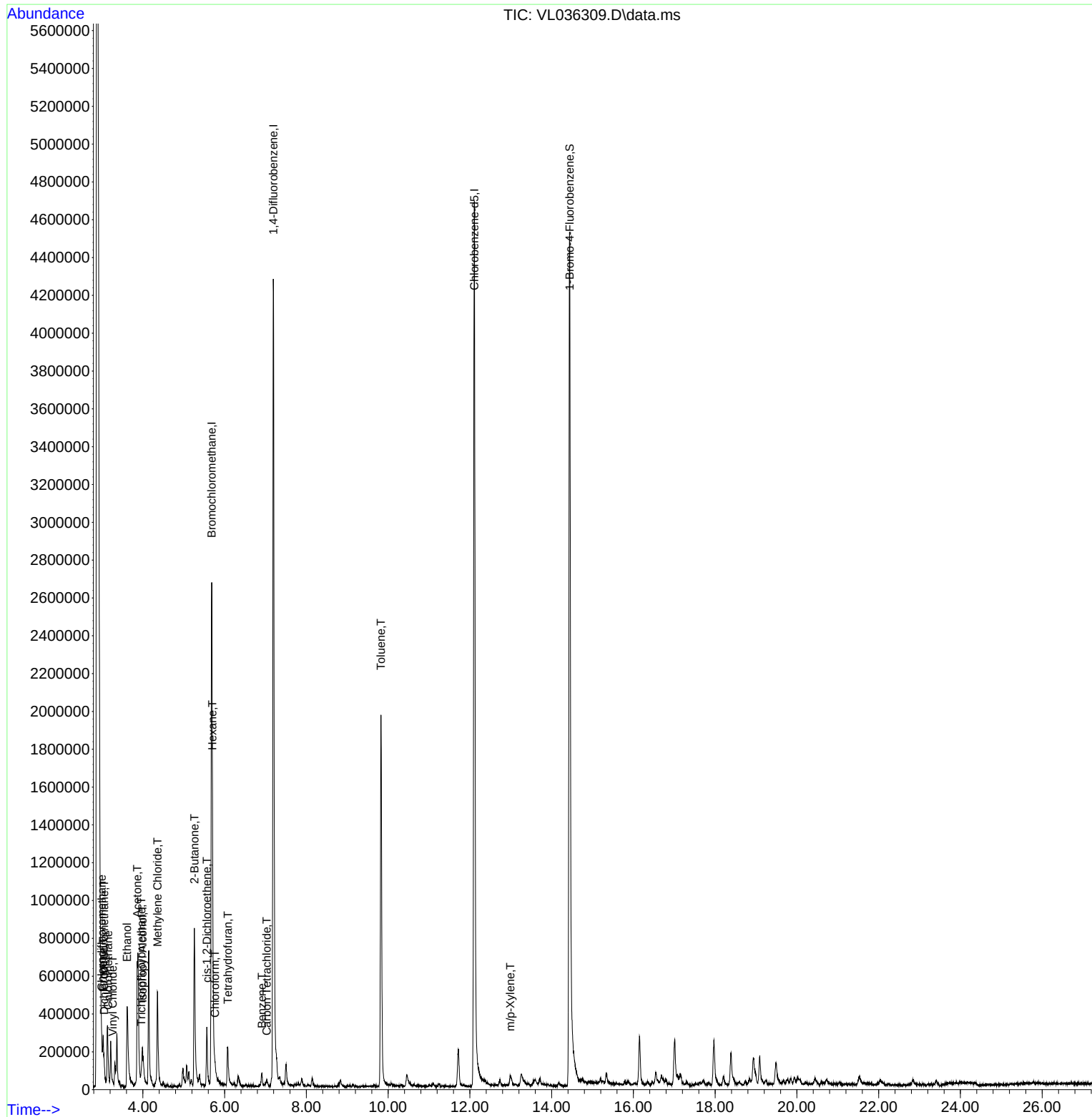
Quant Time: Feb 04 03:22:38 2021

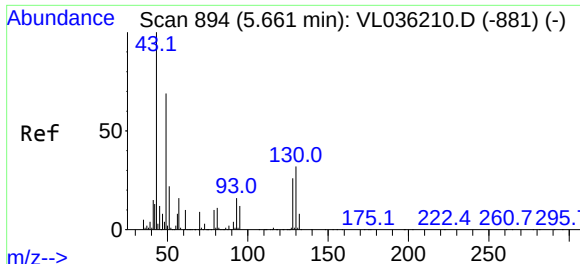
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

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

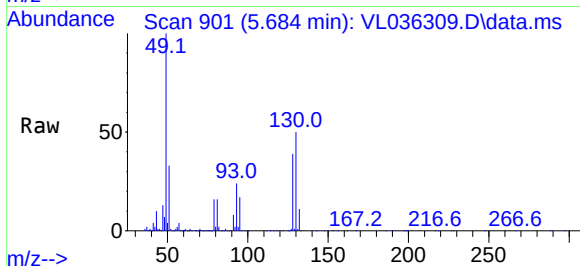
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

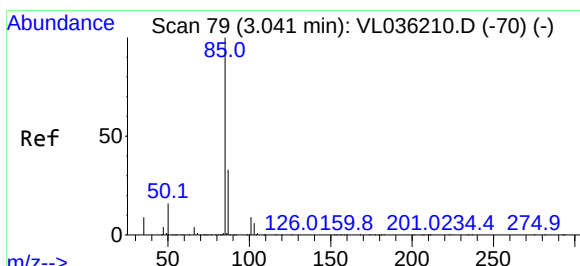
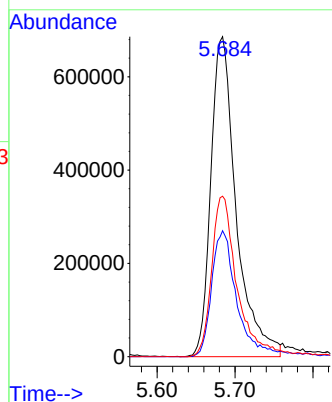
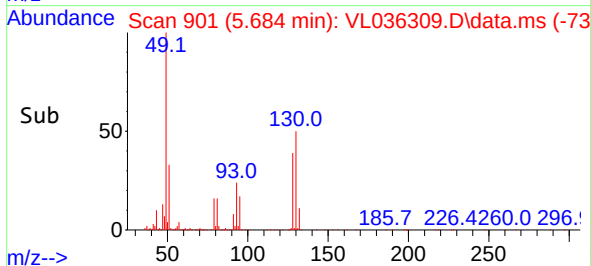
Instrument :
MSVOA_L
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OFFSITE-DDC-INTERMEDIATE-1



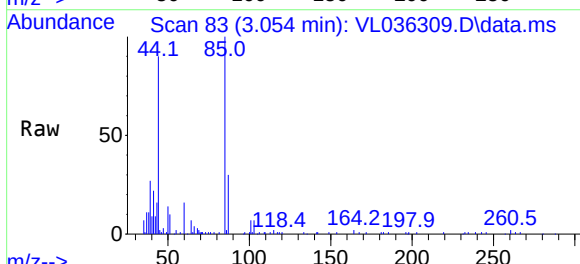
Tgt Ion: 49 Resp: 1552451
Ion Ratio Lower Upper
49 100
128 40.7 20.1 60.2
130 52.3 25.3 75.9

Manual Integrations
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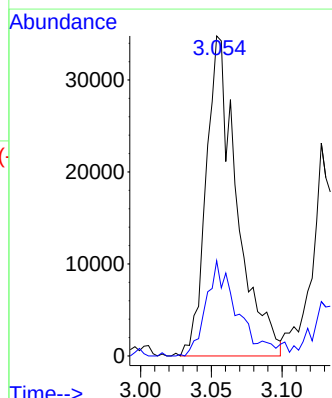
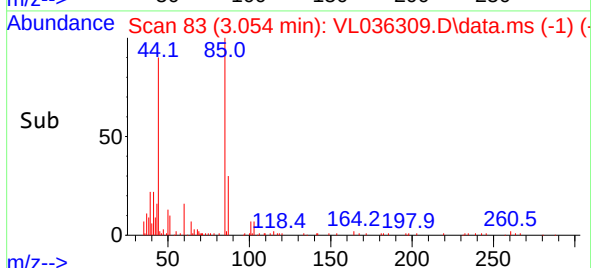
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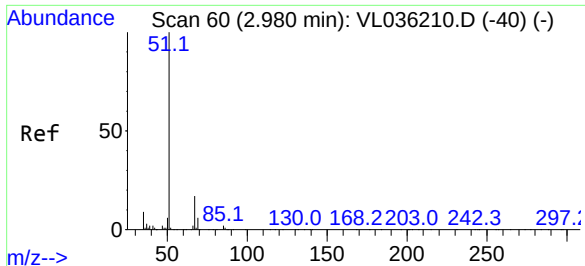


#2
Dichlorodifluoromethane
Concen: 0.25 ppbv m
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15



Tgt Ion: 85 Resp: 52770
Ion Ratio Lower Upper
85 100
87 29.8 26.4 39.6





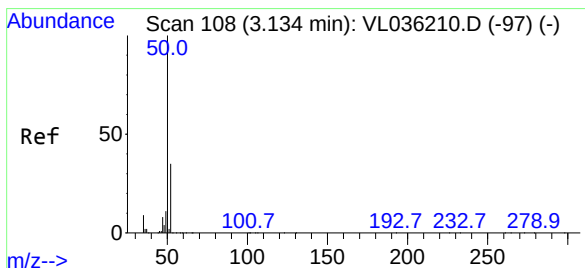
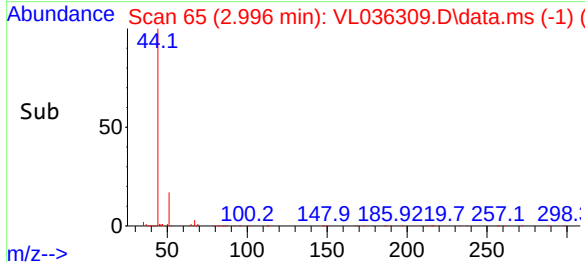
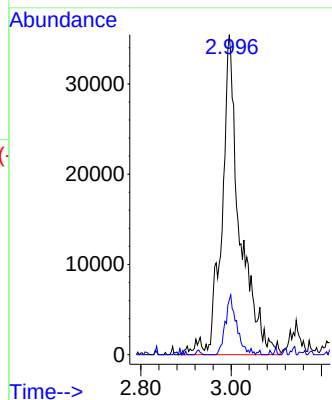
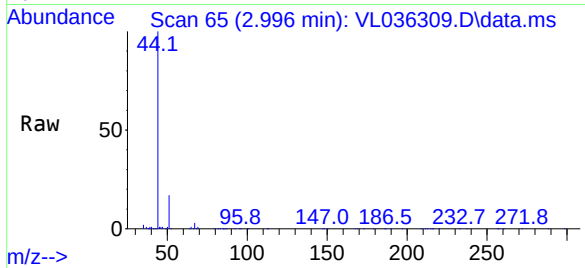
#3
Chlorodifluoromethane
Concen: 0.52 ppbv
RT: 2.996 min Scan# 65
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 51 Resp: 98642
Ion Ratio Lower Upper
51 100
67 11.8 14.0 21.0#

Instrument :
MSVOA_L
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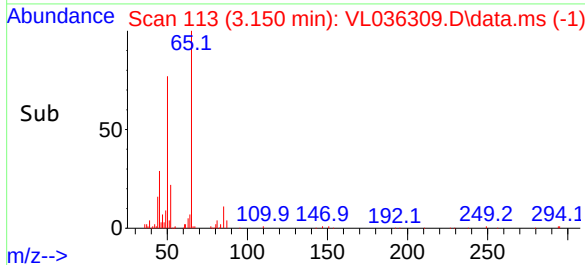
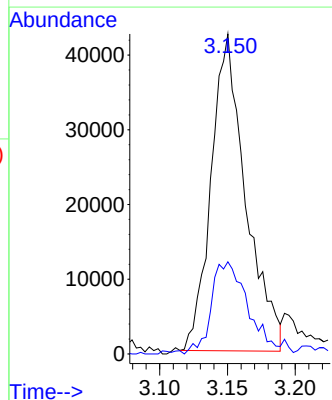
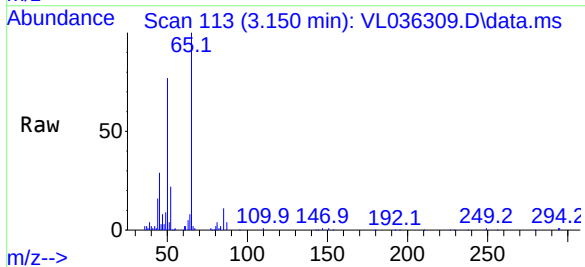
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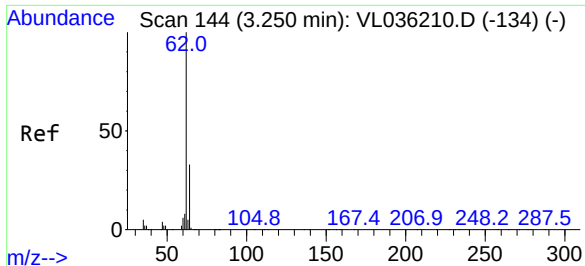
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#4
Chloromethane
Concen: 0.80 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 50 Resp: 75392
Ion Ratio Lower Upper
50 100
52 28.1 27.8 41.8





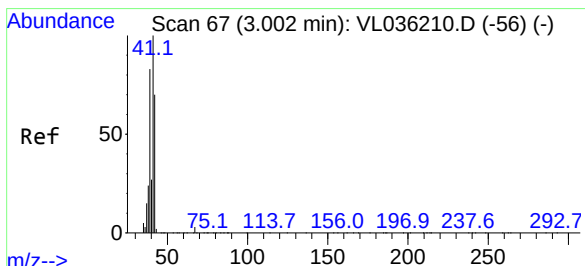
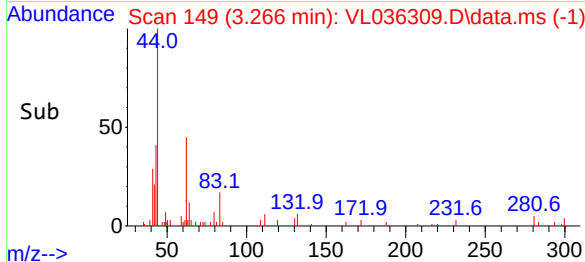
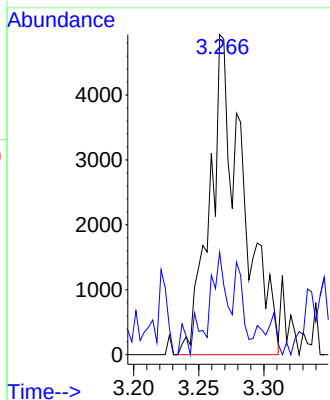
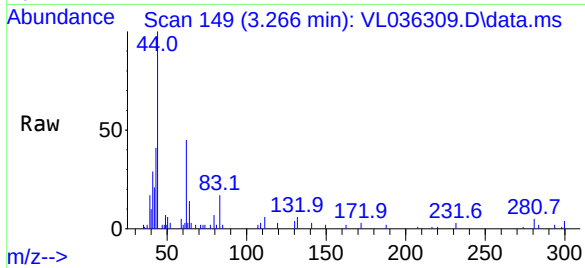
#5
 Vinyl Chloride
 Concen: 0.10 ppbv m
 RT: 3.266 min Scan# 149
 Delta R.T. 0.016 min
 Lab File: VL036309.D
 Acq: 4 Feb 2021 1:15

Tgt Ion: 62 Resp: 8683
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.2 39.2

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

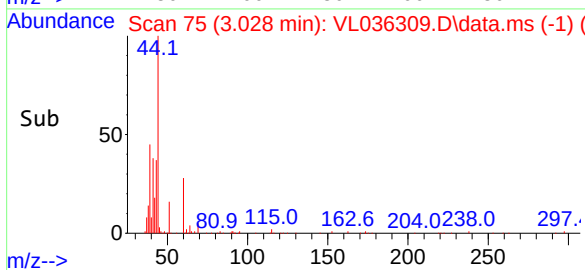
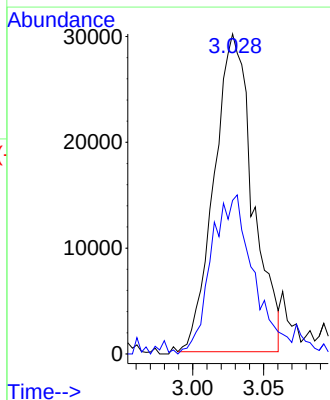
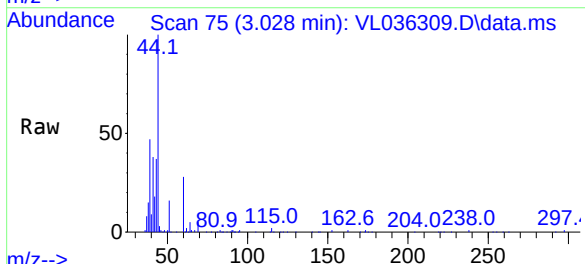
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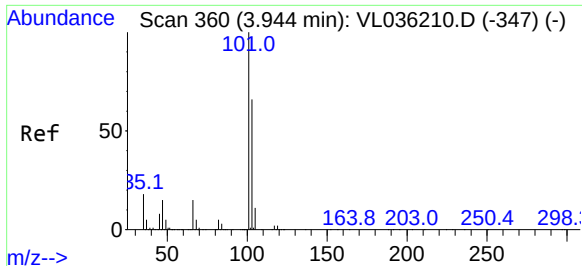
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#9
 Propene
 Concen: 0.63 ppbv
 RT: 3.028 min Scan# 75
 Delta R.T. 0.026 min
 Lab File: VL036309.D
 Acq: 4 Feb 2021 1:15

Tgt Ion: 41 Resp: 57125
 Ion Ratio Lower Upper
 41 100
 42 59.6 57.1 85.7





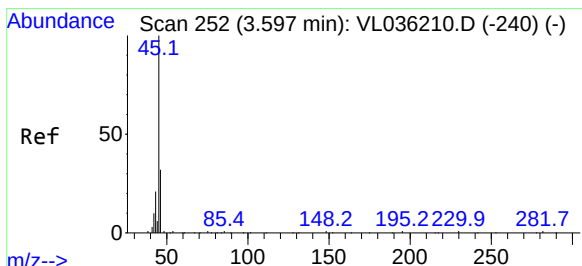
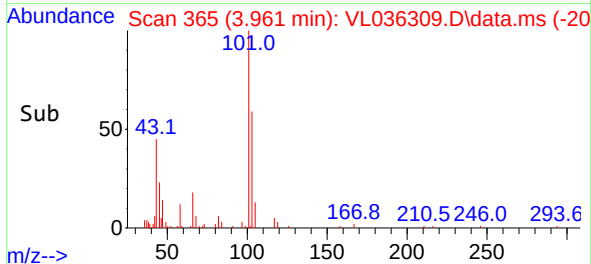
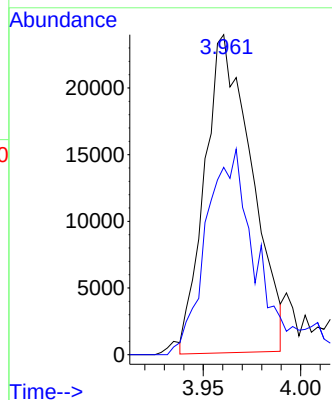
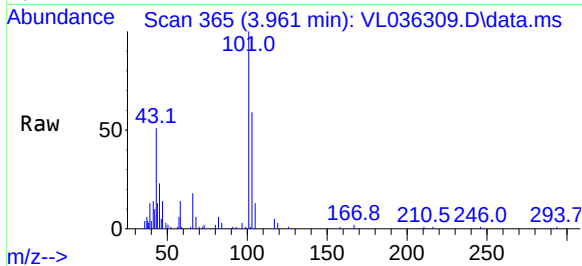
#11
Trichlorofluoromethane
Concen: 0.19 ppbv
RT: 3.961 min Scan# 365
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 101 Resp: 39921
Ion Ratio Lower Upper
101 100
103 56.9 52.6 78.8

Instrument :
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ClientSampleId :
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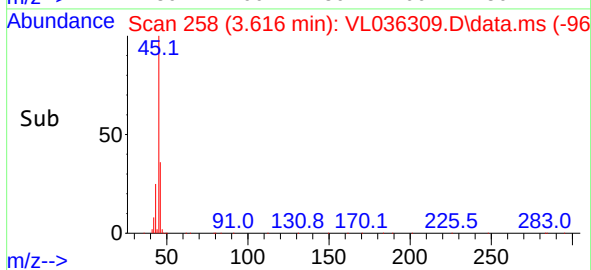
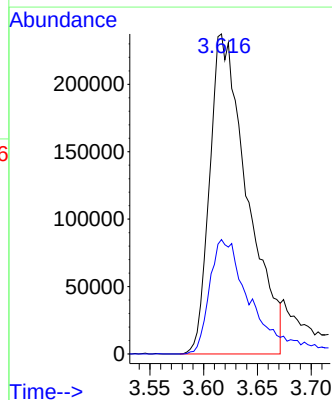
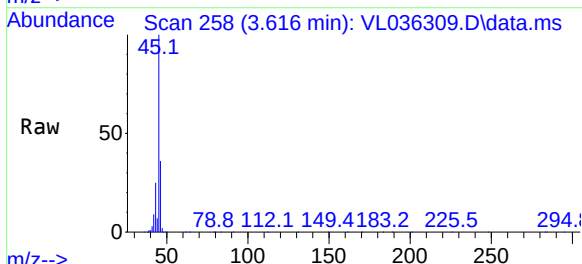
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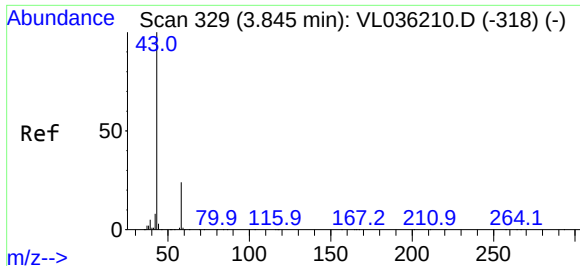
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#13
Ethanol
Concen: 40.41 ppbv
RT: 3.616 min Scan# 258
Delta R.T. 0.019 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

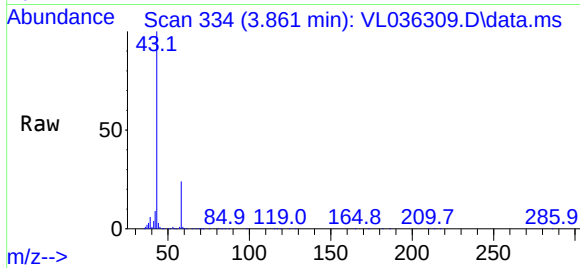
Tgt Ion: 45 Resp: 576092
Ion Ratio Lower Upper
45 100
46 41.6 19.2 77.0





#15
Acetone
Concen: 5.21 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

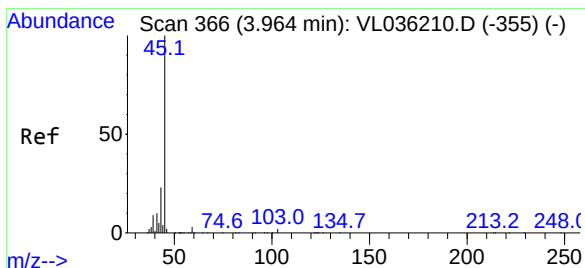
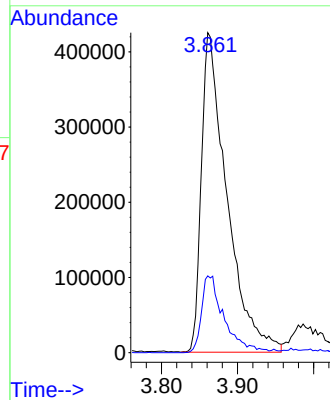
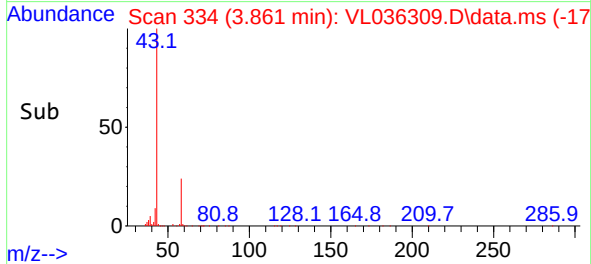
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1



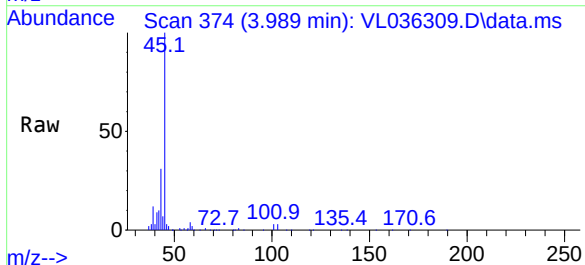
Tgt Ion: 43 Resp: 991373
Ion Ratio Lower Upper
43 100
58 21.5 20.9 31.3

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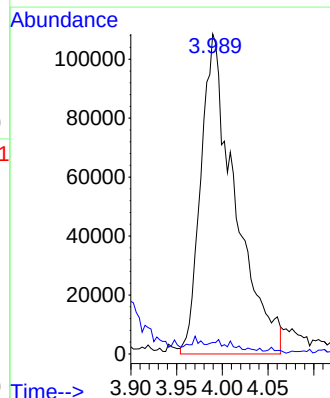
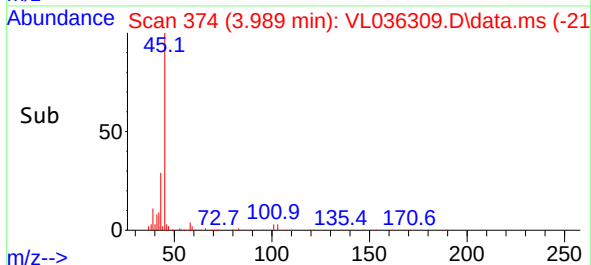
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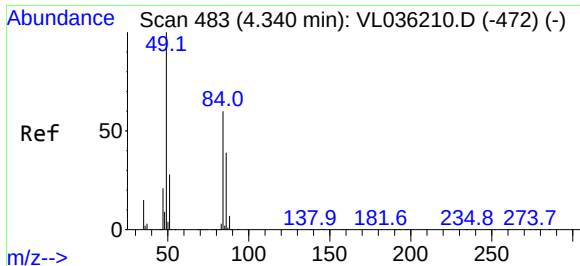


#19
Isopropyl Alcohol
Concen: 2.46 ppbv m
RT: 3.989 min Scan# 374
Delta R.T. 0.026 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15



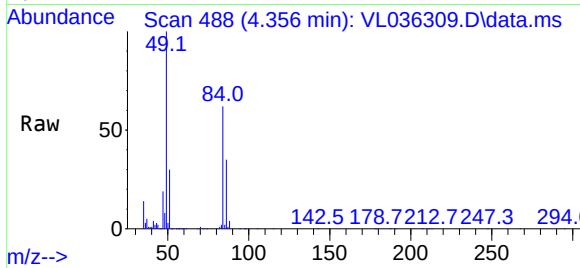
Tgt Ion: 45 Resp: 282092
Ion Ratio Lower Upper
45 100
58 5.7 1.9 2.9#





#20
Methylene Chloride
Concen: 3.16 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

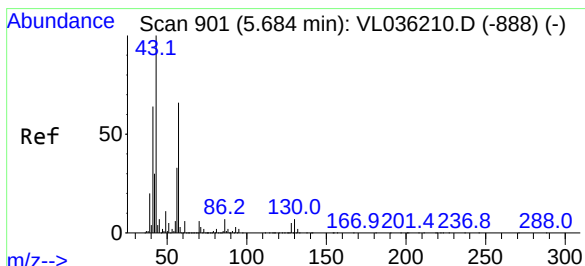
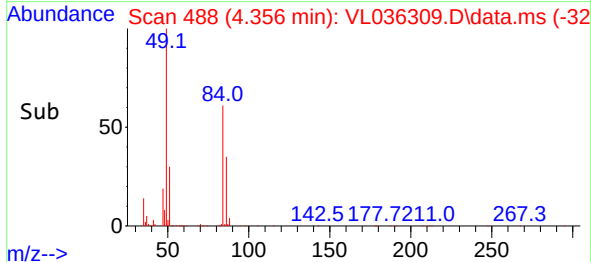
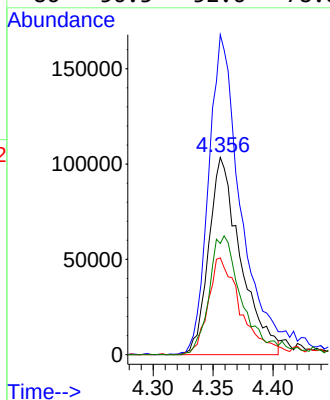


Tgt Ion: 84 Resp: 192041

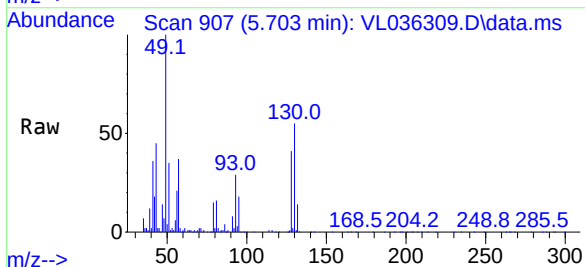
Ion	Ratio	Lower	Upper
84	100		
49	161.9	134.1	201.1
51	48.8	37.4	56.0
86	56.3	52.6	78.8

Manual Integrations
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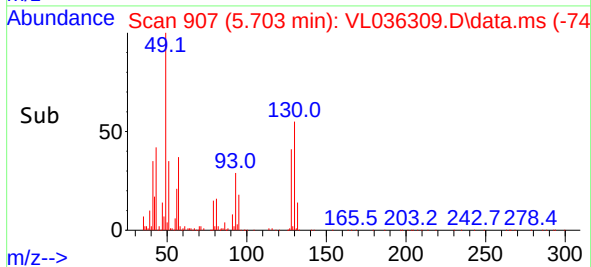
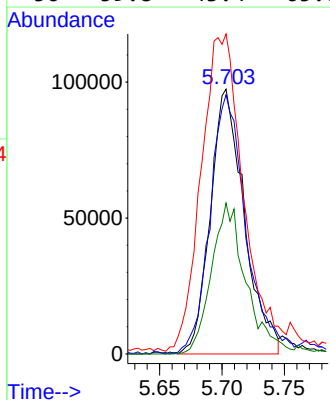


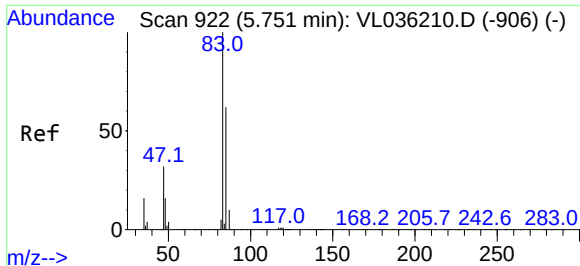
#26
Hexane
Concen: 1.17 ppbv
RT: 5.703 min Scan# 907
Delta R.T. 0.019 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15



Tgt Ion: 57 Resp: 185293

Ion	Ratio	Lower	Upper
57	100		
41	107.9	83.0	124.6
43	156.4	202.4	303.6#
56	59.8	43.4	65.0





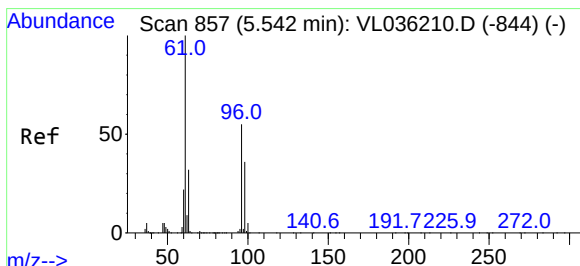
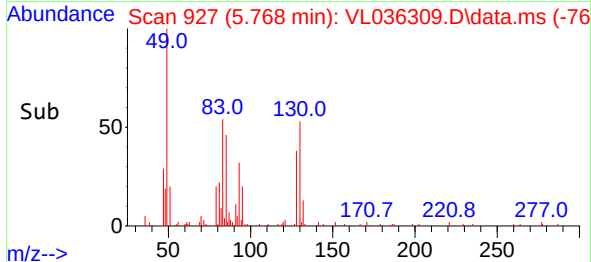
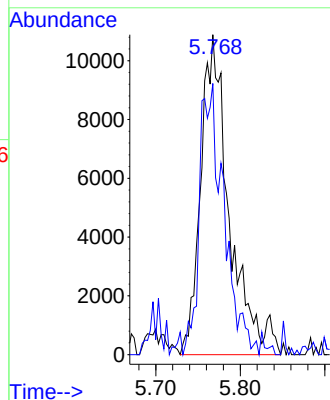
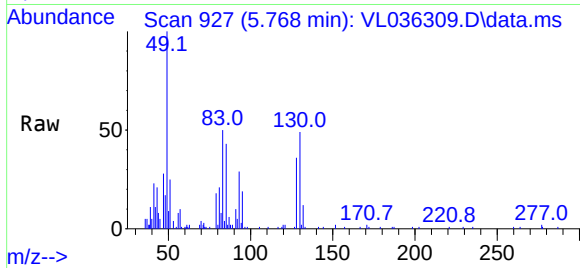
#29
Chloroform
Concen: 0.11 ppbv m
RT: 5.768 min Scan# 927
Delta R.T. 0.016 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 83 Resp: 25513
Ion Ratio Lower Upper
83 100
85 84.7 49.3 73.9#

Instrument :
MSVOA_L
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OFFSITE-DDC-INTERMEDIATE-1

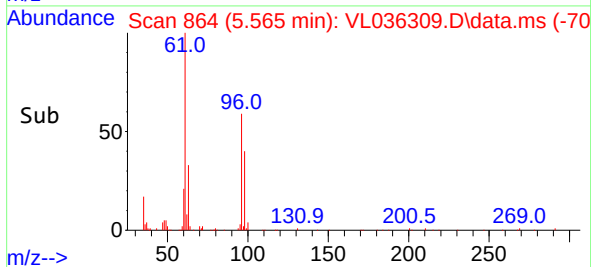
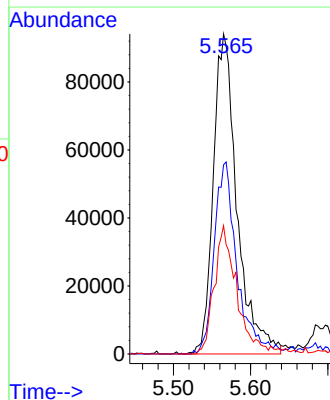
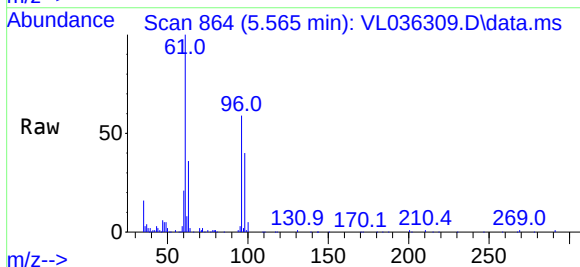
Manual Integrations
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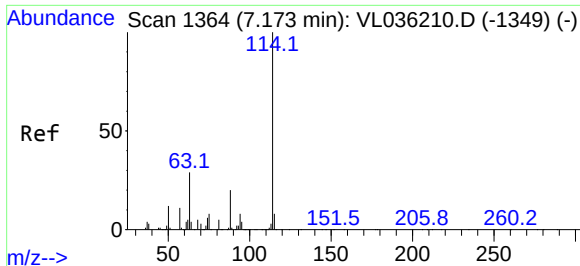
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#31
cis-1,2-Dichloroethene
Concen: 1.32 ppbv m
RT: 5.565 min Scan# 864
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 61 Resp: 200768
Ion Ratio Lower Upper
61 100
96 59.1 44.1 66.1
98 40.1 28.6 42.8





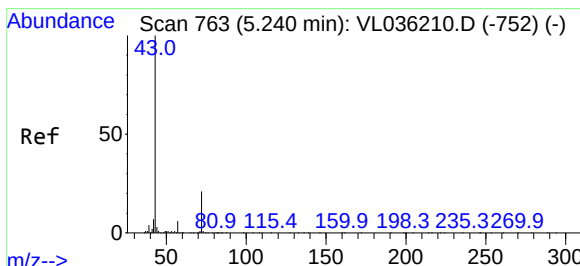
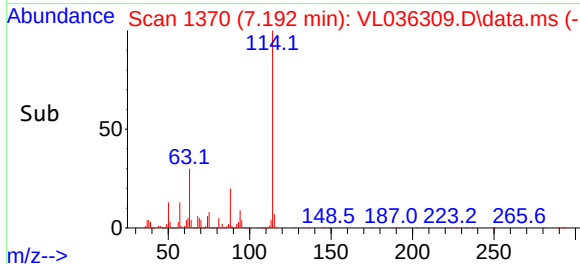
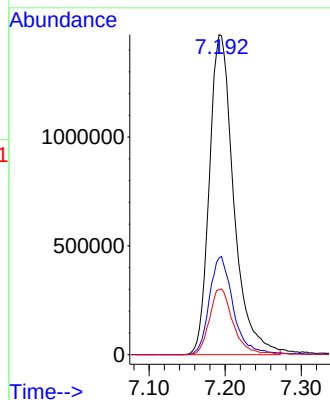
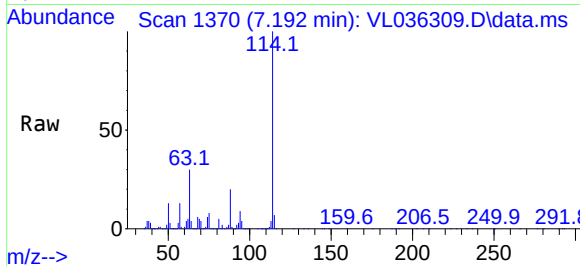
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.192 min Scan# 1370
Delta R.T. 0.019 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 114 Resp: 3273940
Ion Ratio Lower Upper
114 100
63 30.6 24.7 37.1
88 20.1 16.6 24.8

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

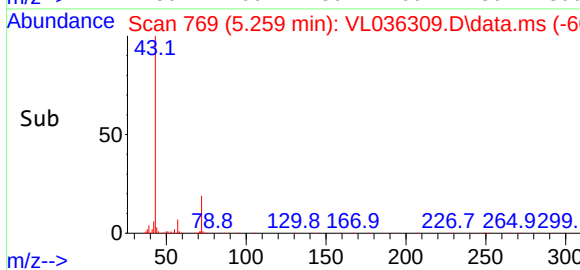
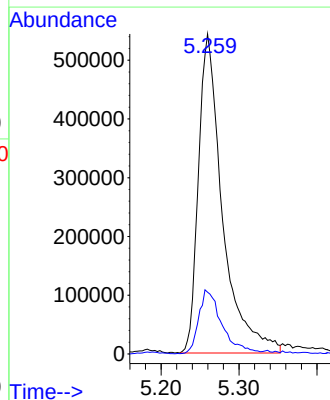
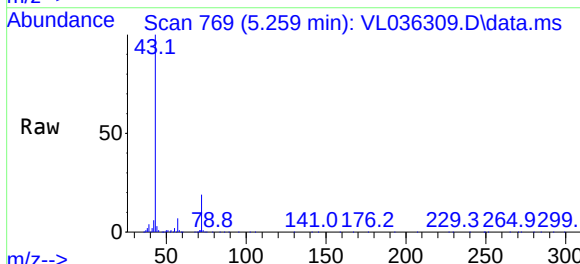
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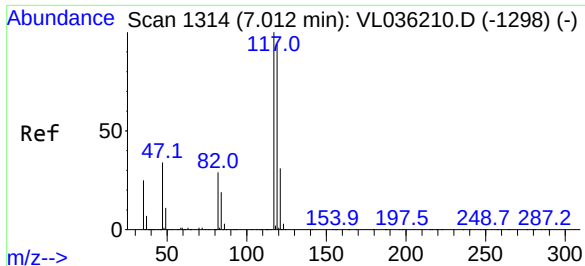
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#34
2-Butanone
Concen: 4.83 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.019 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 43 Resp: 1163987
Ion Ratio Lower Upper
43 100
72 20.5 16.1 24.1





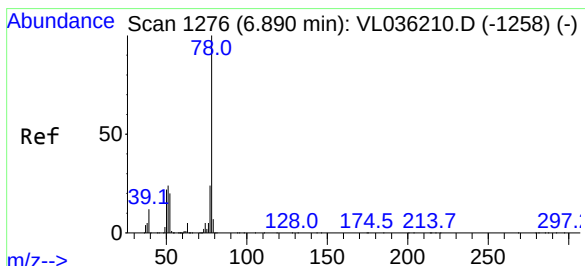
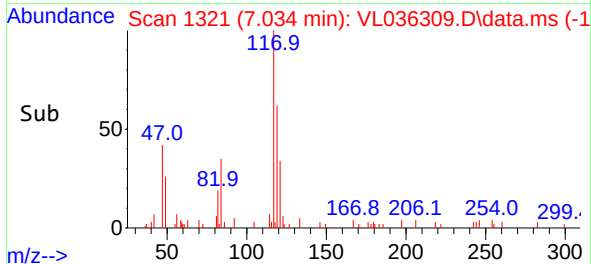
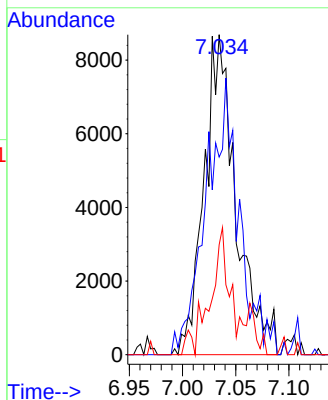
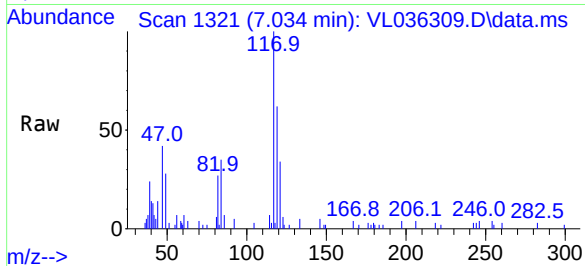
#35
Carbon Tetrachloride
Concen: 0.09 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 117 Resp: 18111
Ion Ratio Lower Upper
117 100
119 61.8 74.9 112.3#
121 34.4 25.0 37.6

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

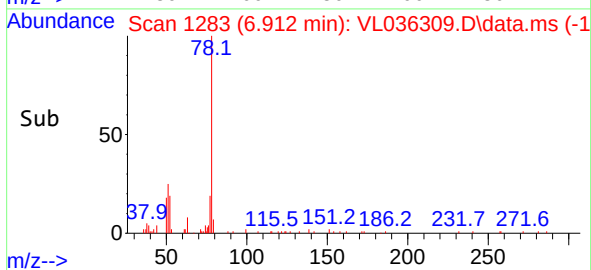
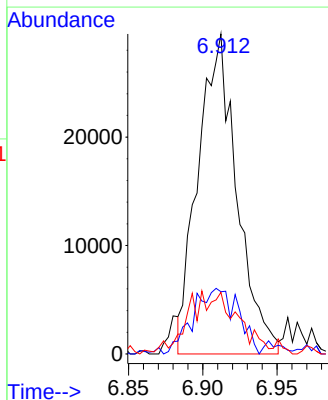
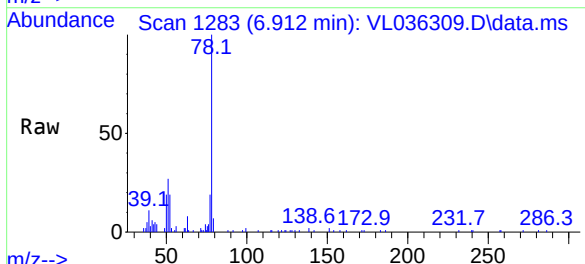
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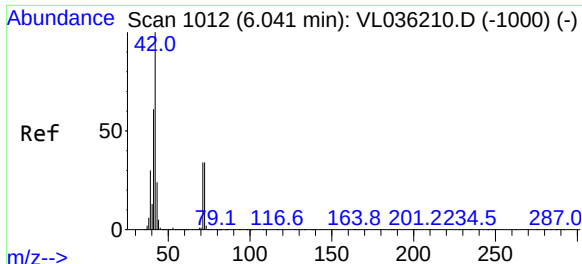
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#36
Benzene
Concen: 0.18 ppbv
RT: 6.912 min Scan# 1283
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 78 Resp: 53699
Ion Ratio Lower Upper
78 100
77 17.4 19.4 29.0#
50 15.1 17.4 26.2#





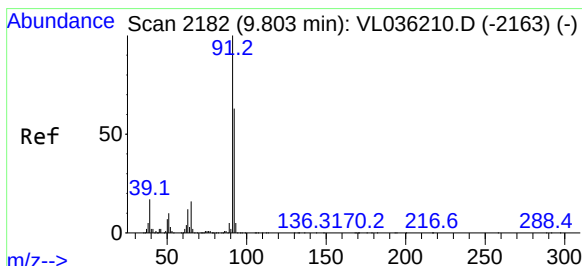
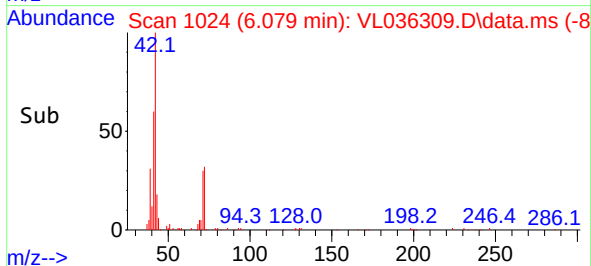
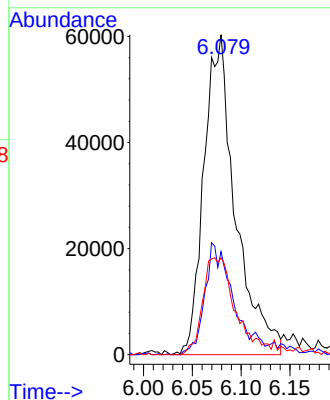
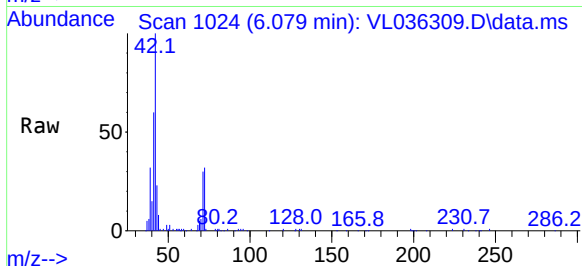
#41
Tetrahydrofuran
Concen: 0.97 ppbv m
RT: 6.079 min Scan# 1024
Delta R.T. 0.039 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

Tgt Ion: 42 Resp: 135378
Ion Ratio Lower Upper
42 100
72 34.3 29.5 44.3
71 33.9 29.1 43.7

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1

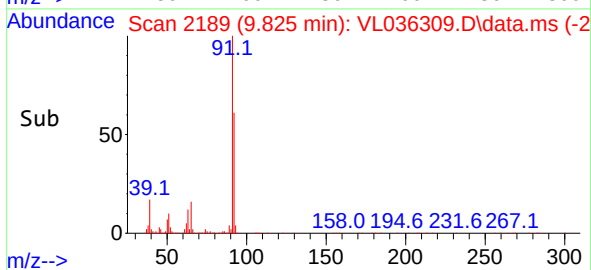
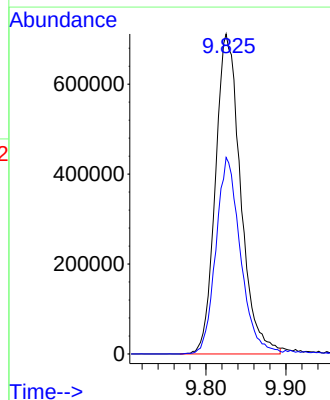
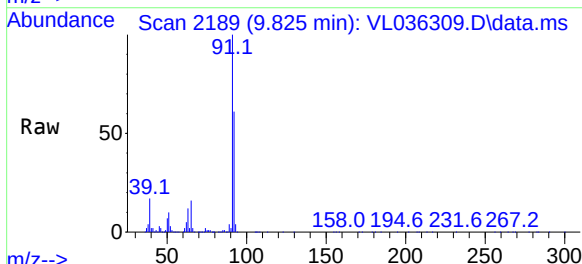
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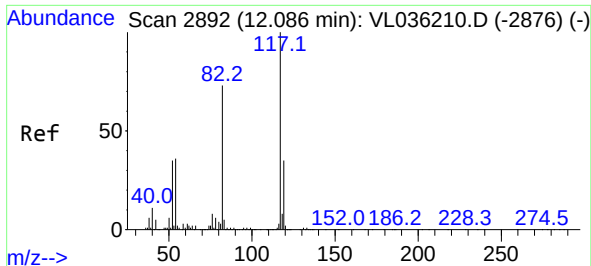
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#53
Toluene
Concen: 4.63 ppbv
RT: 9.825 min Scan# 2189
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

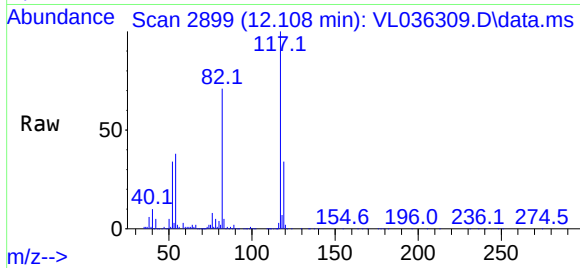
Tgt Ion: 91 Resp: 1553305
Ion Ratio Lower Upper
91 100
92 61.1 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.108 min Scan# 2899
Delta R.T. 0.023 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15

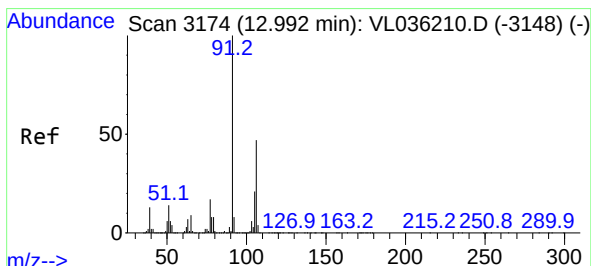
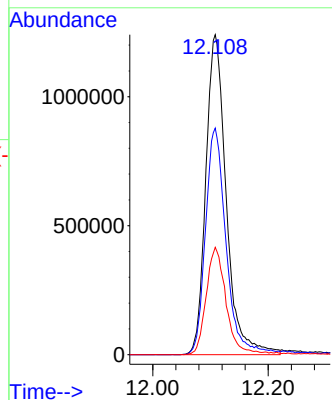
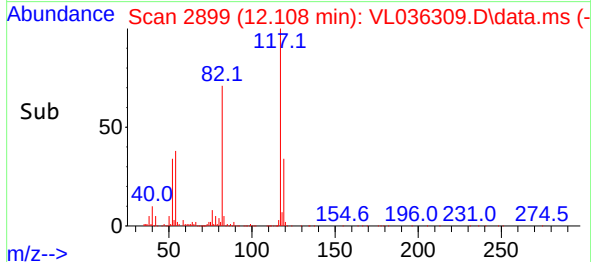
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1



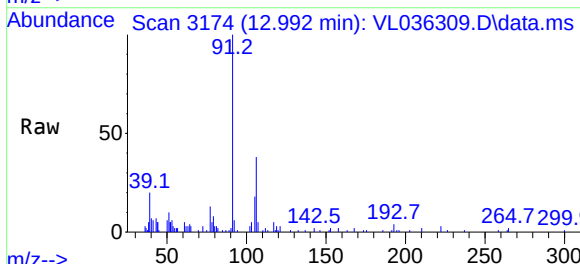
Tgt Ion: 117 Resp: 3049997
Ion Ratio Lower Upper
117 100
82 73.0 59.7 89.5
119 33.3 28.6 43.0

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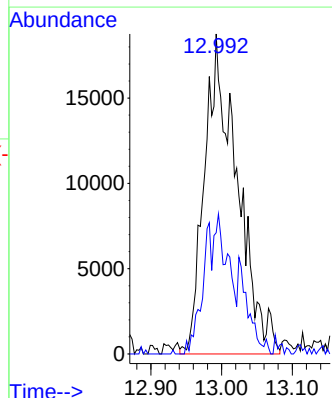
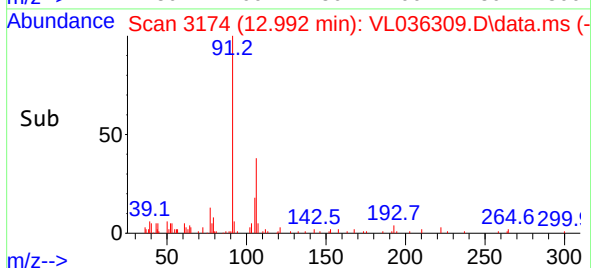
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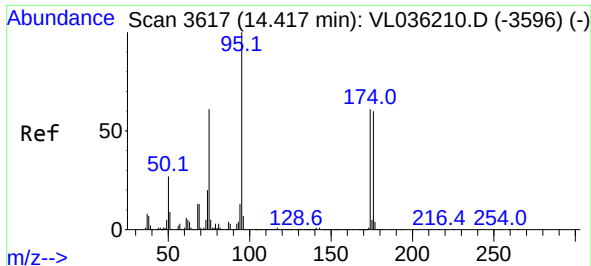


#59
m/p-Xylene
Concen: 0.15 ppbv m
RT: 12.992 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL036309.D
Acq: 4 Feb 2021 1:15



Tgt Ion: 91 Resp: 59881
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.76 ppbv
 RT: 14.439 min Scan# 3624
 Delta R.T. 0.023 min
 Lab File: VL036309.D
 Acq: 4 Feb 2021 1:15

Tgt Ion: 95 Resp: 2463601

Ion	Ratio	Lower	Upper
95	100		
174	62.6	49.4	74.0
175	4.6	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1

Manual Integrations
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