

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
 Data File : VL036247.D
 Acq On : 20 Jan 2021 15:13
 Operator : SY/AP
 Sample : M1171-01DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
 APPROVED

MMDadoda
 1/21/2021 10:36:01 AM

Quant Time: Jan 21 01:34:54 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	5.668	49	1388016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2912510	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2571913	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2132940	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.047	85	36197	0.19	ppbv	96
3) Chlorodifluoromethane	2.986	51	77491	0.45	ppbv #	86
4) Chloromethane	3.140	50	38214	0.45	ppbv	93
9) Propene	3.018	41	76572	0.94	ppbv	85
11) Trichlorofluoromethane	3.951	101	49855m	0.26	ppbv	
13) Ethanol	3.607	45	692951	54.36	ppbv	87
15) Acetone	3.857	43	440959	2.59	ppbv	97
19) Isopropyl Alcohol	3.980	45	133360m	1.30	ppbv	
20) Methylene Chloride	4.343	84	989109	18.23	ppbv	91
26) Hexane	5.690	57	498776	3.51	ppbv #	38
34) 2-Butanone	5.253	43	59357	0.28	ppbv #	85
35) Carbon Tetrachloride	7.028	117	13959m	0.08	ppbv	
36) Benzene	6.889	78	68327	0.26	ppbv	98
53) Toluene	9.809	91	158518m	0.53	ppbv	
58) Ethyl Benzene	12.712	91	85302m	0.22	ppbv	
59) m/p-Xylene	12.966	91	318021m	0.97	ppbv	
60) o-Xylene	13.696	91	89806	0.28	ppbv	96
74) 1,2,4-Trimethylbenzene	16.773	105	73846m	0.21	ppbv	

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

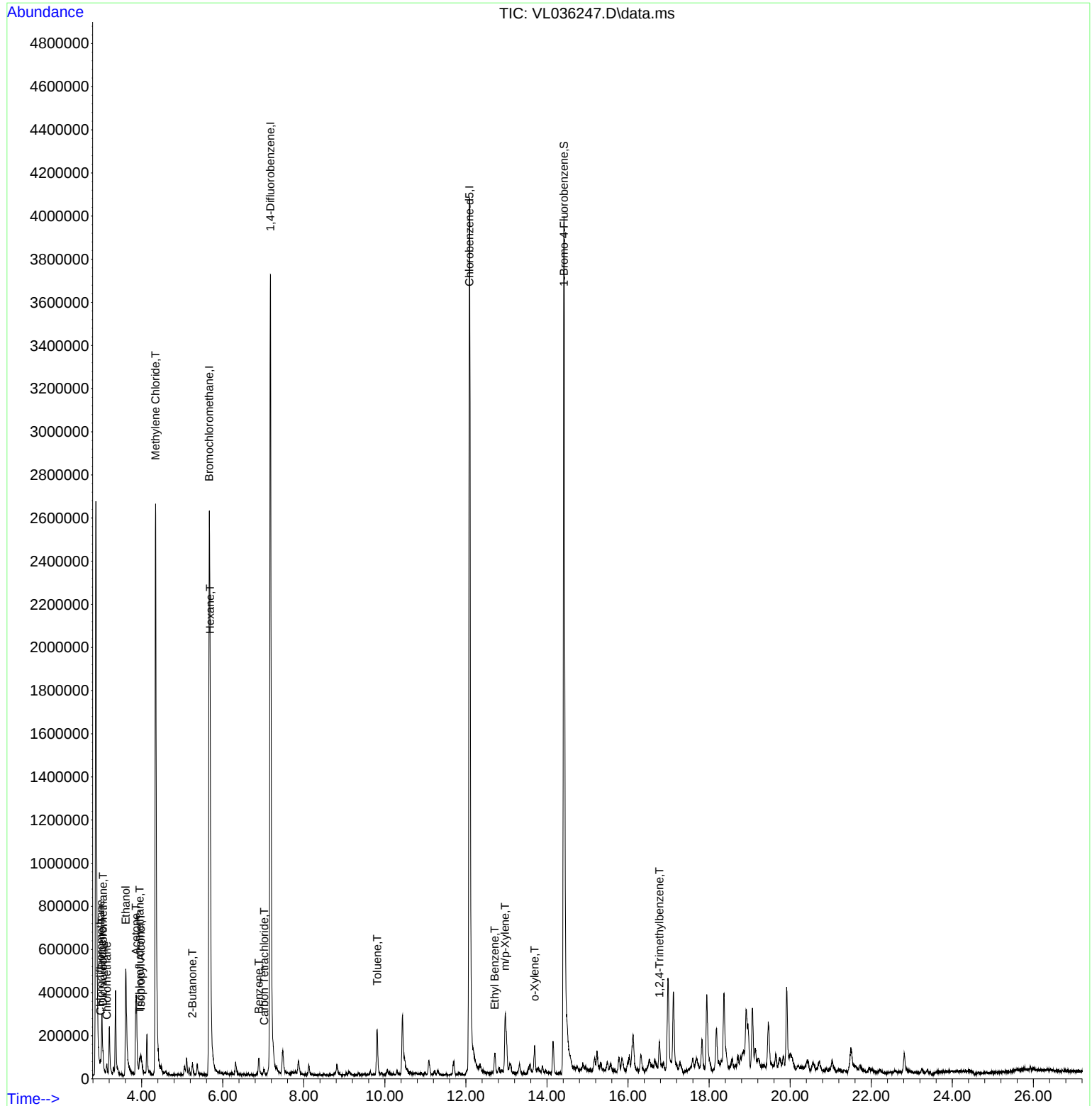
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
Data File : VL036247.D
Acq On : 20 Jan 2021 15:13
Operator : SY/AP
Sample : M1171-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

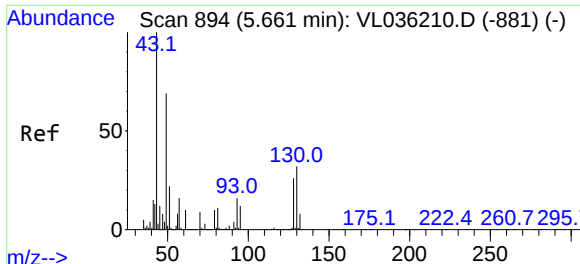
Instrument :
MSVOA_L
ClientSampleId :
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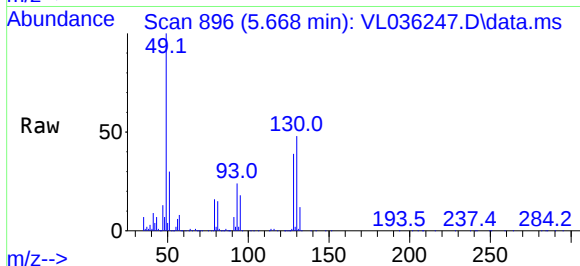
Quant Time: Jan 21 01:34:54 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.668 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

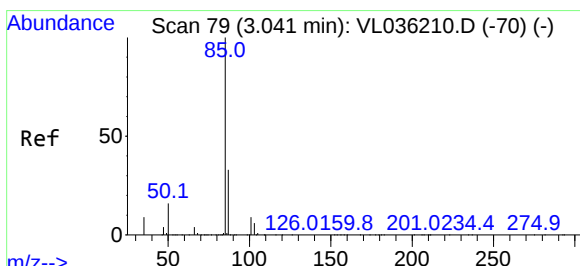
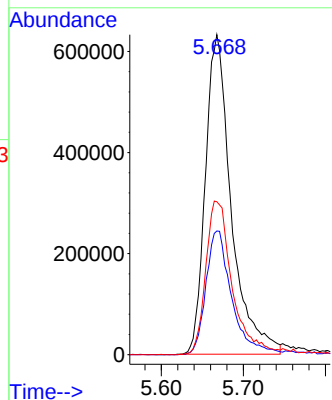
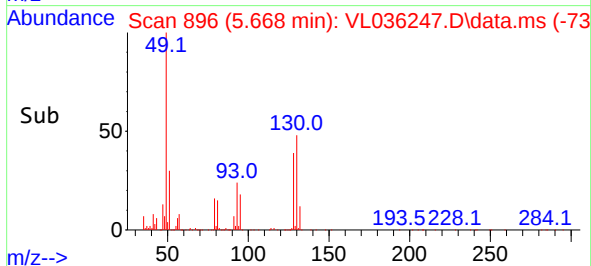
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



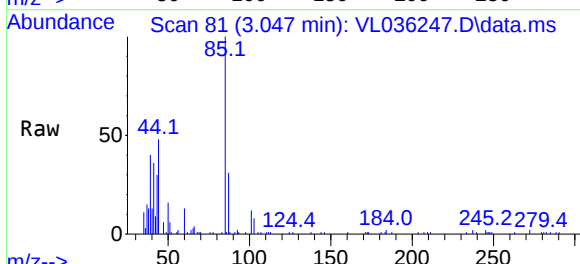
Tgt Ion: 49 Resp: 1388016
Ion Ratio Lower Upper
49 100
128 39.9 20.1 60.2
130 51.1 25.3 75.9

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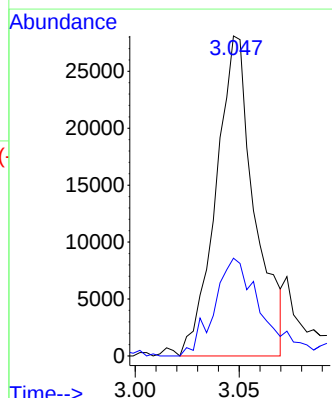
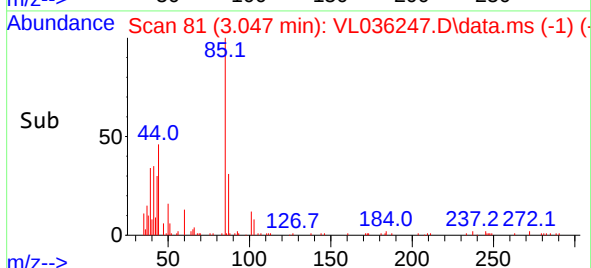
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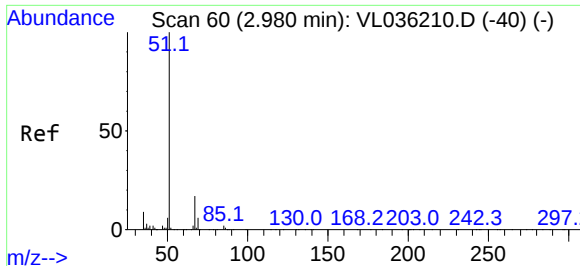


#2
Dichlorodifluoromethane
Concen: 0.19 ppbv
RT: 3.047 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13



Tgt Ion: 85 Resp: 36197
Ion Ratio Lower Upper
85 100
87 30.5 26.4 39.6





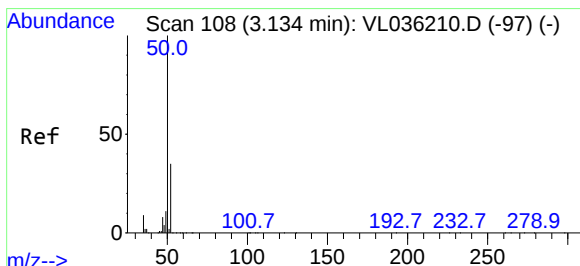
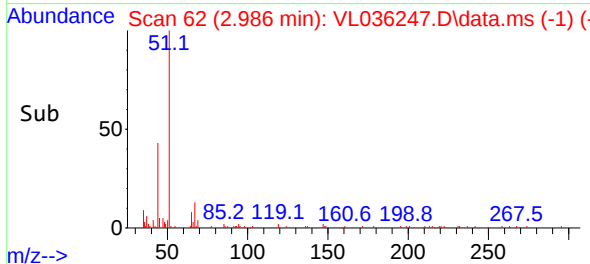
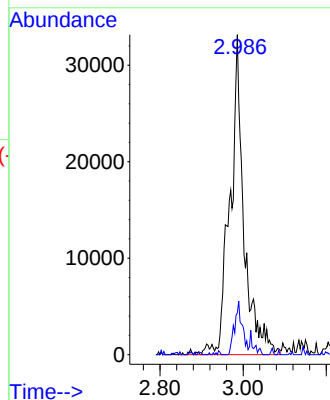
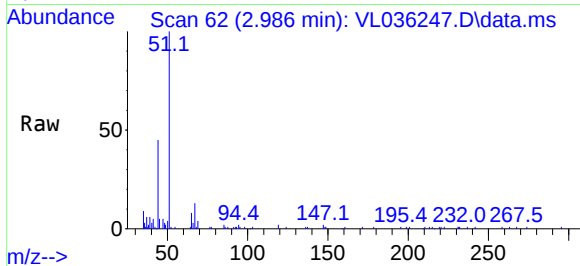
#3
Chlorodifluoromethane
Concen: 0.45 ppbv
RT: 2.986 min Scan# 62
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 51 Resp: 77491
Ion Ratio Lower Upper
51 100
67 11.3 14.0 21.0#

Instrument :
MSVOA_L
ClientSampled :
AA-1DUP

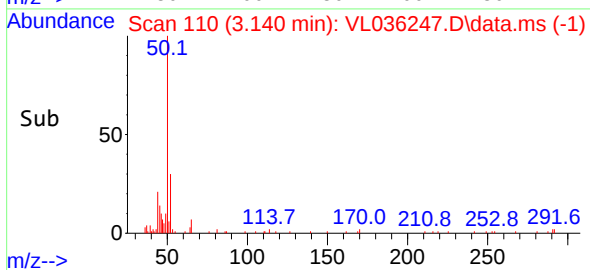
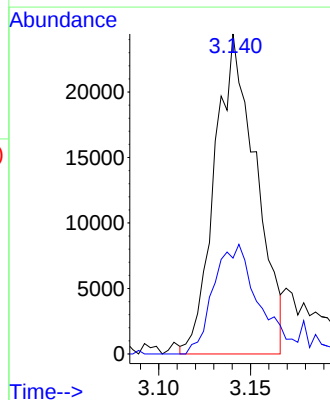
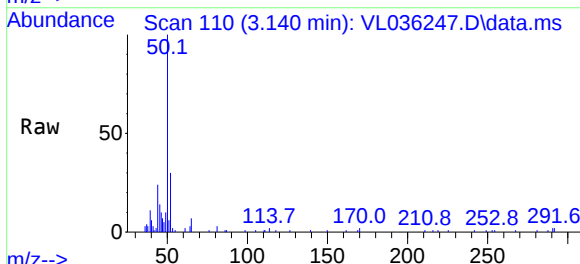
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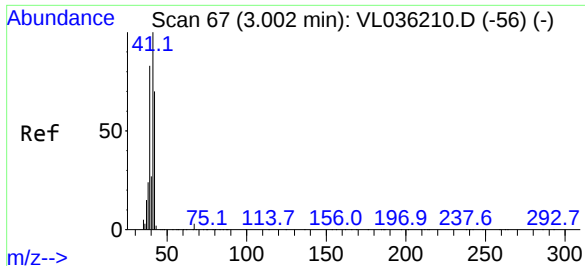
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#4
Chloromethane
Concen: 0.45 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 50 Resp: 38214
Ion Ratio Lower Upper
50 100
52 30.6 27.8 41.8





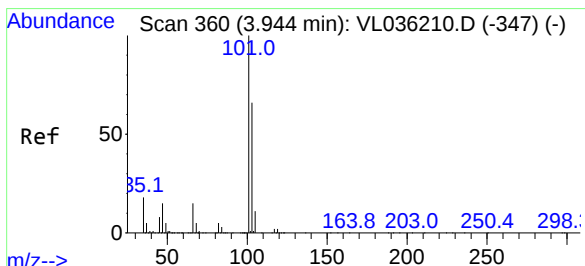
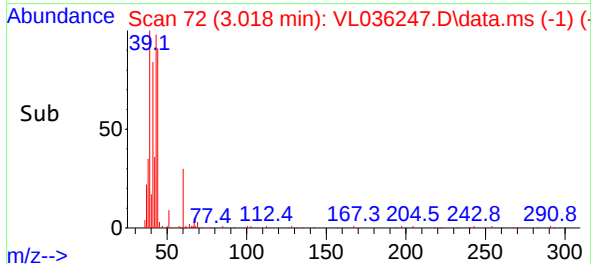
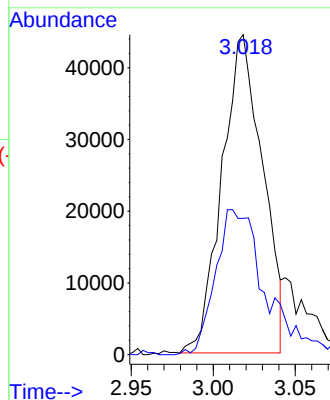
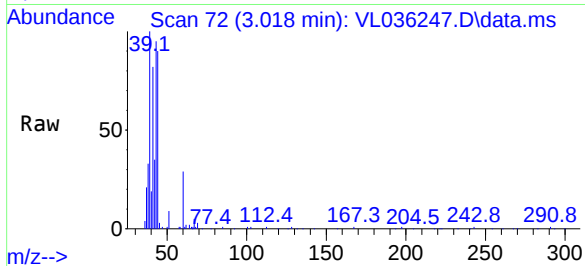
#9
Propene
Concen: 0.94 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.016 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 41 Resp: 76572
Ion Ratio Lower Upper
41 100
42 59.3 57.1 85.7

Instrument :
MSVOA_L
ClientSampled :
AA-1DUP

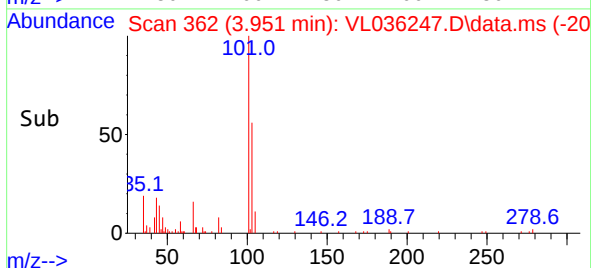
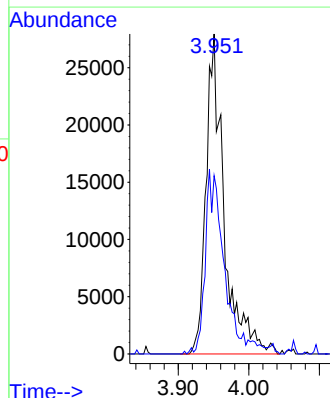
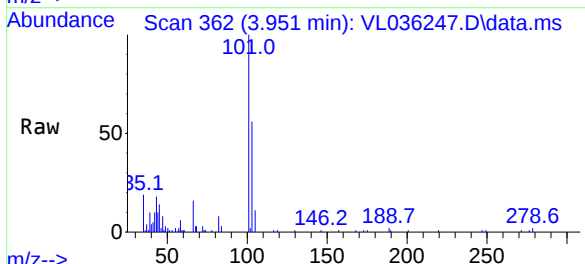
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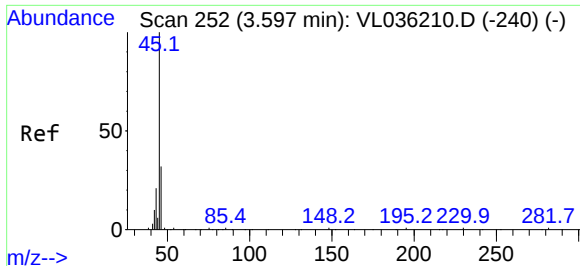
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#11
Trichlorofluoromethane
Concen: 0.26 ppbv m
RT: 3.951 min Scan# 362
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 101 Resp: 49855
Ion Ratio Lower Upper
101 100
103 55.7 52.6 78.8





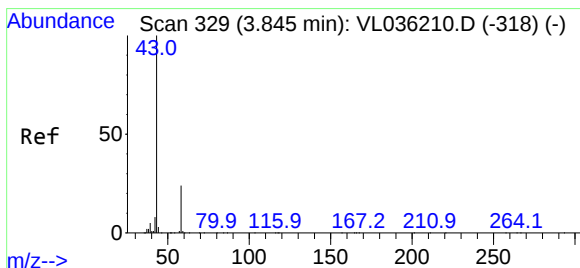
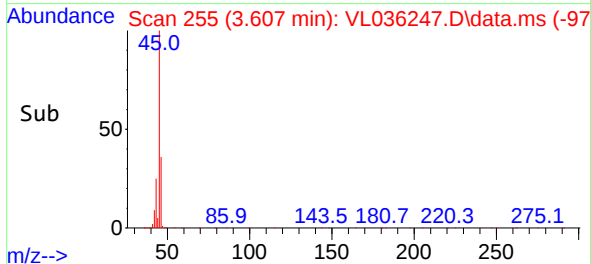
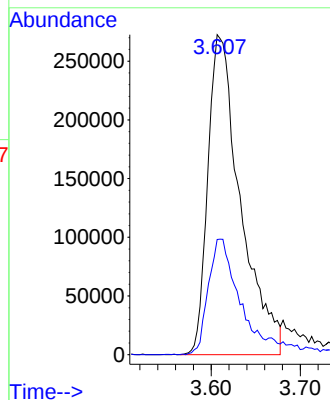
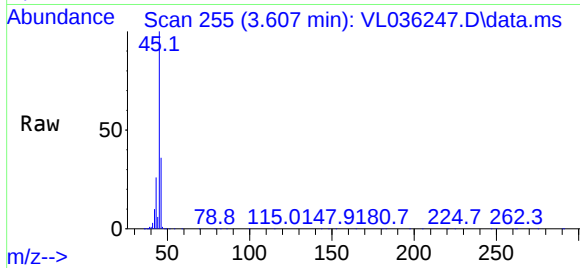
#13
Ethanol
Concen: 54.36 ppbv
RT: 3.607 min Scan# 255
Delta R.T. 0.010 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 45 Resp: 692951
Ion Ratio Lower Upper
45 100
46 39.3 19.2 77.0

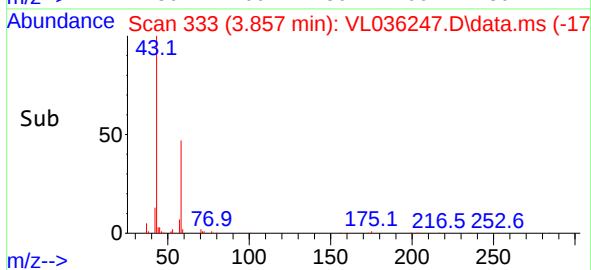
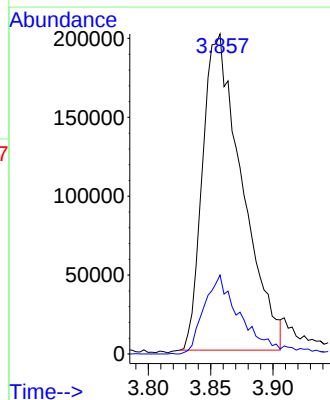
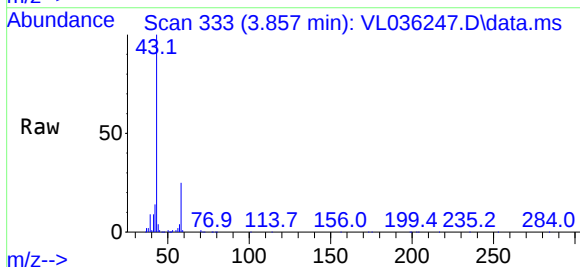
Manual Integrations
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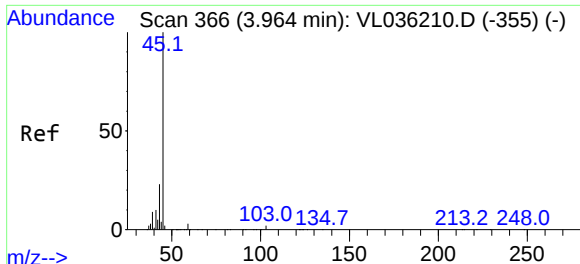
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#15
Acetone
Concen: 2.59 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.013 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

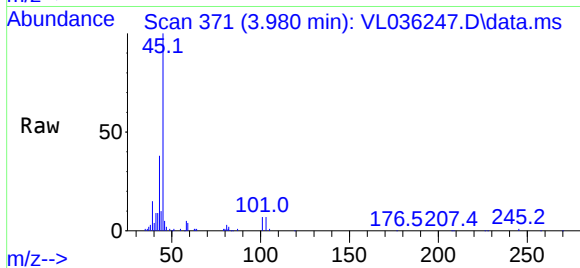
Tgt Ion: 43 Resp: 440959
Ion Ratio Lower Upper
43 100
58 24.3 20.9 31.3





#19
Isopropyl Alcohol
Concen: 1.30 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.016 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

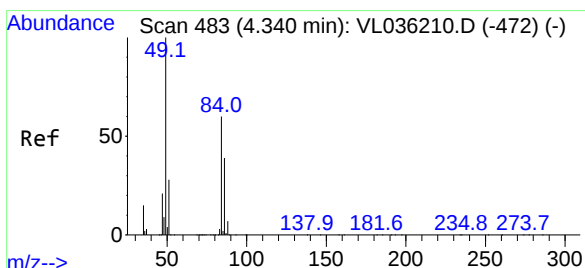
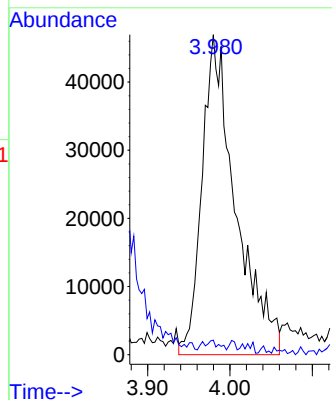
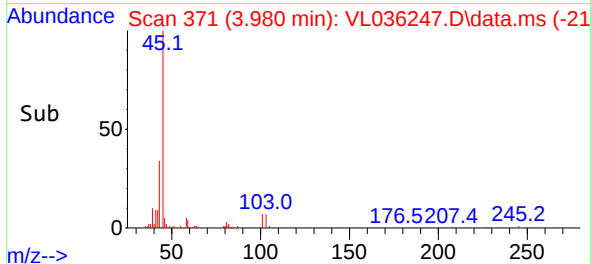
Instrument :
MSVOA_L
ClientSampled :
AA-1DUP



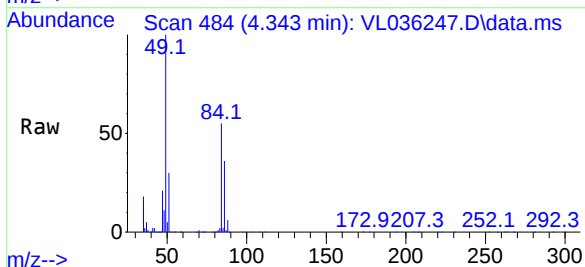
Tgt Ion: 45 Resp: 133360
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

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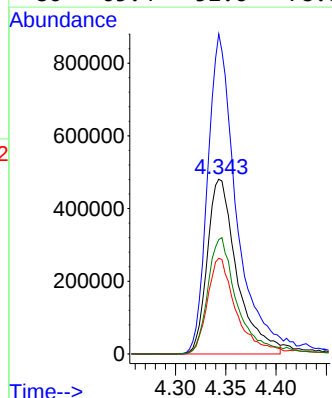
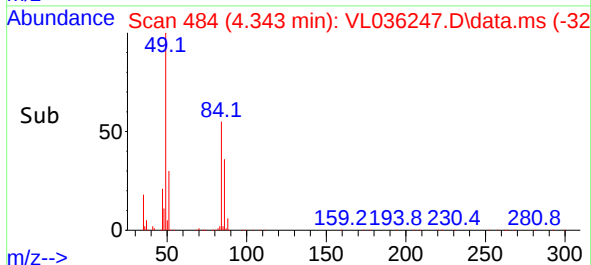
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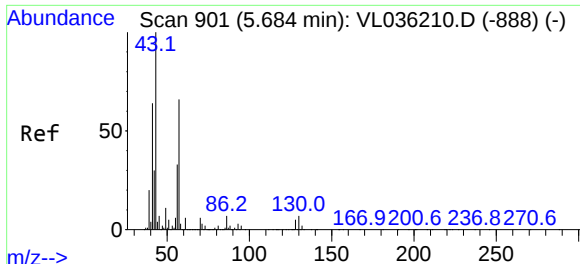


#20
Methylene Chloride
Concen: 18.23 ppbv
RT: 4.343 min Scan# 484
Delta R.T. 0.003 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13



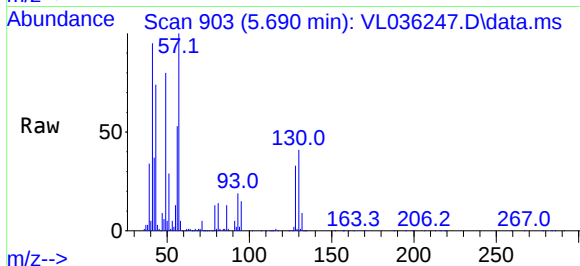
Tgt Ion: 84 Resp: 989109
Ion Ratio Lower Upper
84 100
49 183.0 134.1 201.1
51 54.7 37.4 56.0
86 65.4 52.6 78.8





#26
Hexane
Concen: 3.51 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

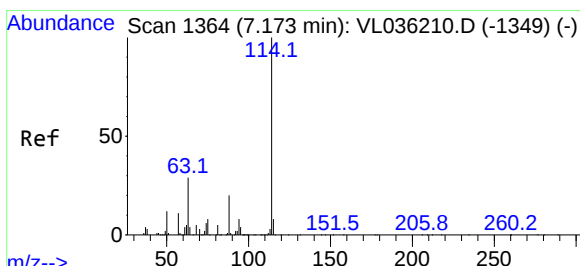
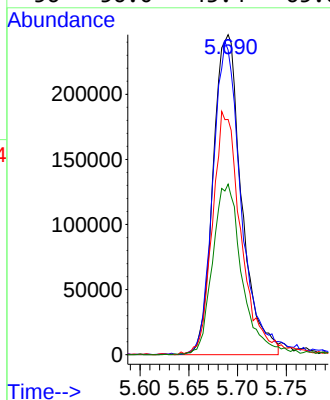
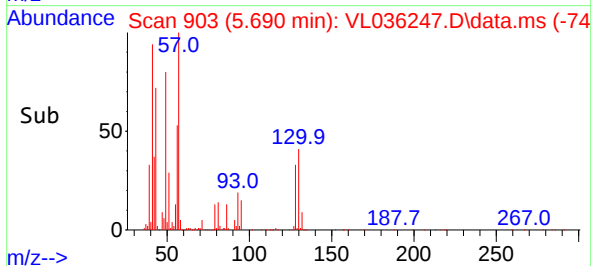


Tgt Ion: 57 Resp: 498776

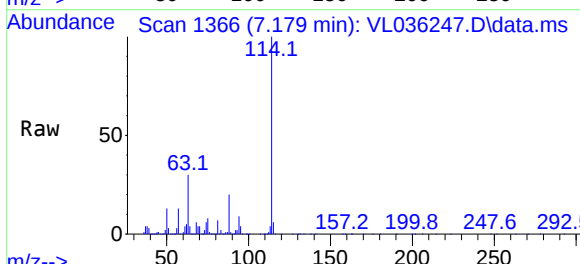
Ion	Ratio	Lower	Upper
57	100		
41	100.5	83.0	124.6
43	78.0	202.4	303.6#
56	56.0	43.4	65.0

Manual Integrations
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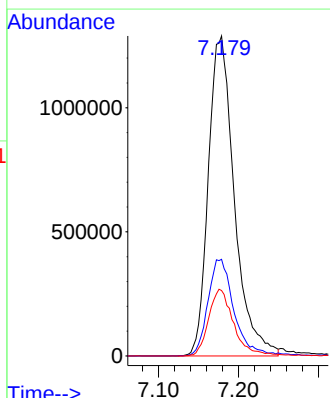
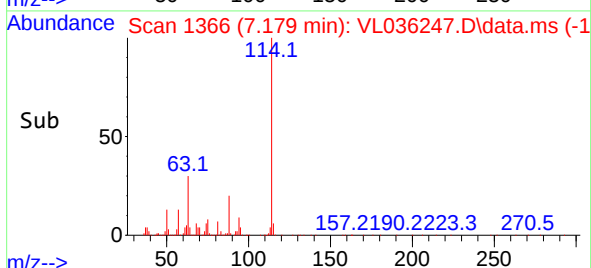


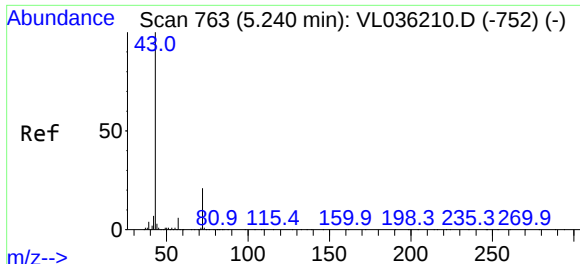
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1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13



Tgt Ion: 114 Resp: 2912510

Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.7	37.1
88	20.4	16.6	24.8





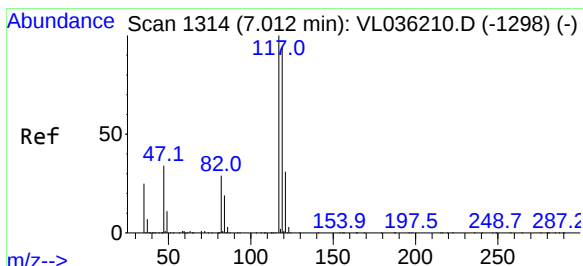
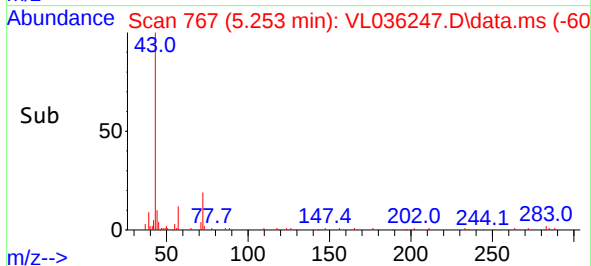
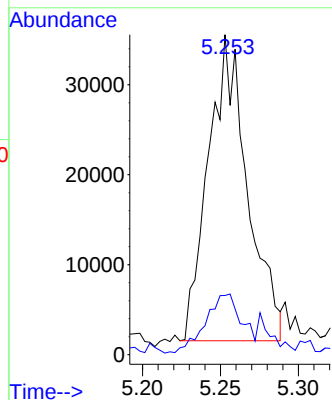
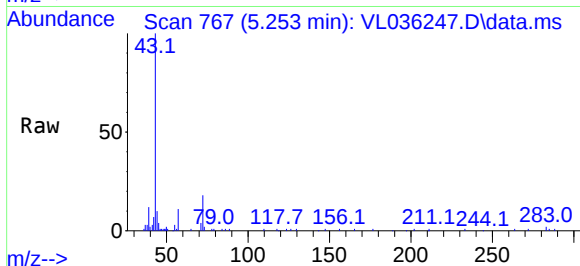
#34
2-Butanone
Concen: 0.28 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.013 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 43 Resp: 59357
Ion Ratio Lower Upper
43 100
72 26.8 16.1 24.1#

Instrument :
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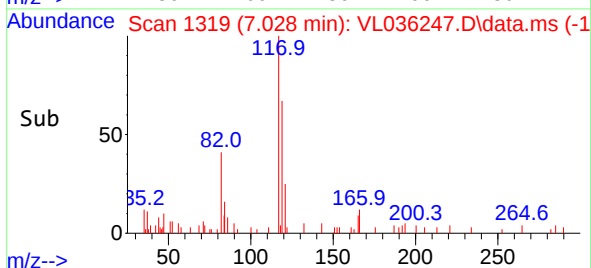
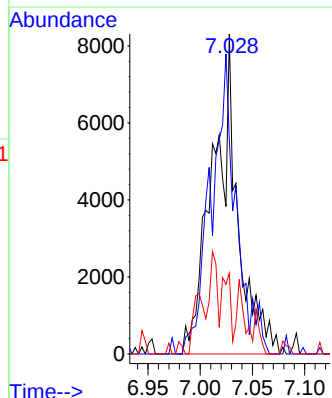
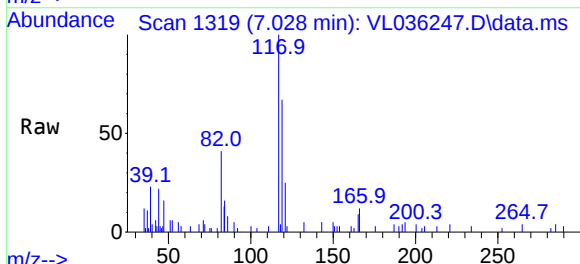
Manual Integrations
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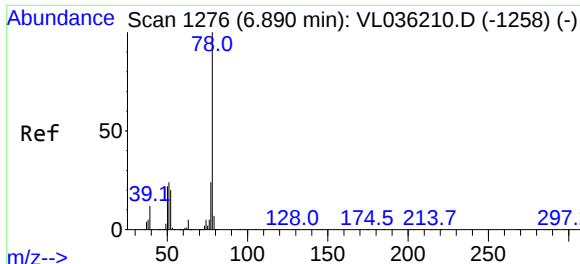
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#35
Carbon Tetrachloride
Concen: 0.08 ppbv m
RT: 7.028 min Scan# 1319
Delta R.T. 0.016 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

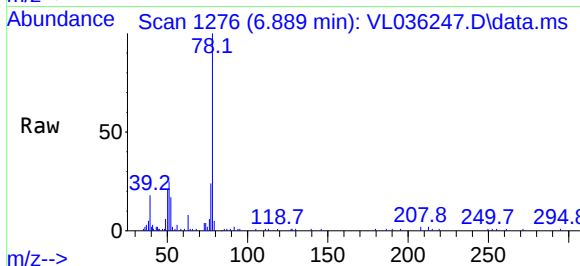
Tgt Ion: 117 Resp: 13959
Ion Ratio Lower Upper
117 100
119 66.9 74.9 112.3#
121 25.3 25.0 37.6





#36
Benzene
Concen: 0.26 ppbv
RT: 6.889 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Instrument :
MSVOA_L
ClientSampled :
AA-1DUP

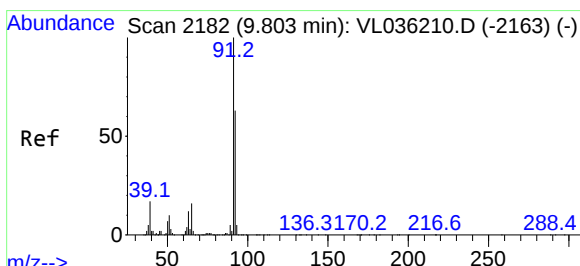
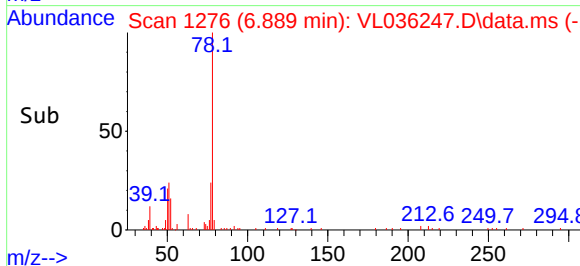
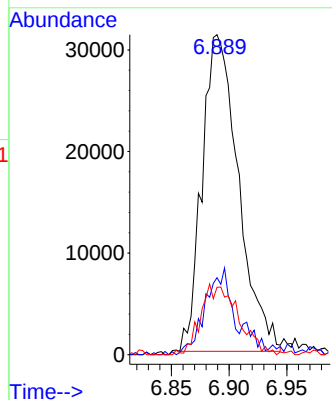


Tgt Ion: 78 Resp: 68327

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0
50	20.8	17.4	26.2

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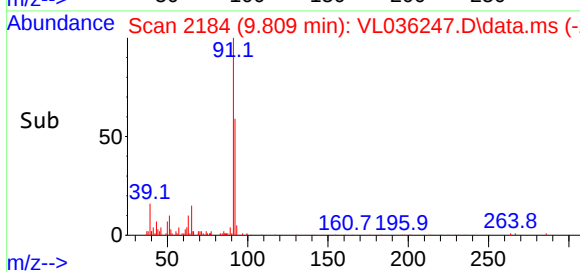
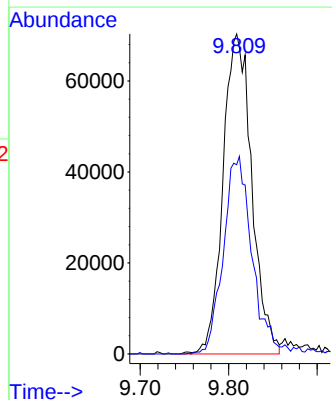
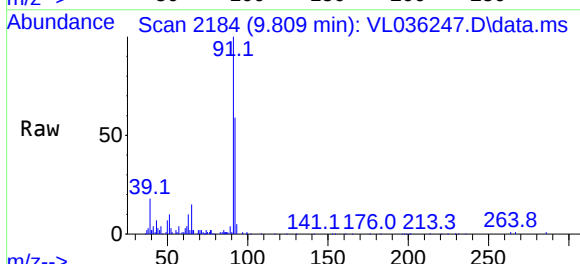
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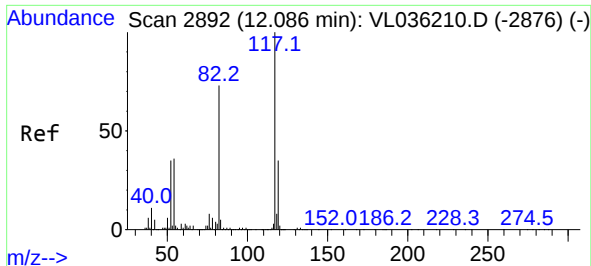


#53
Toluene
Concen: 0.53 ppbv m
RT: 9.809 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 91 Resp: 158518

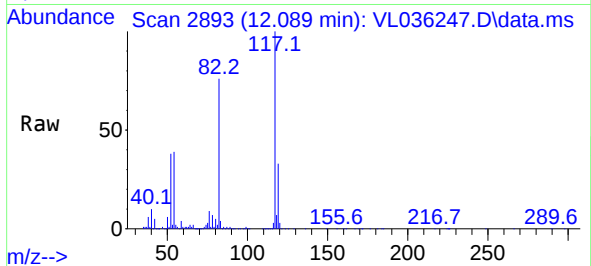
Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.5	72.7





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

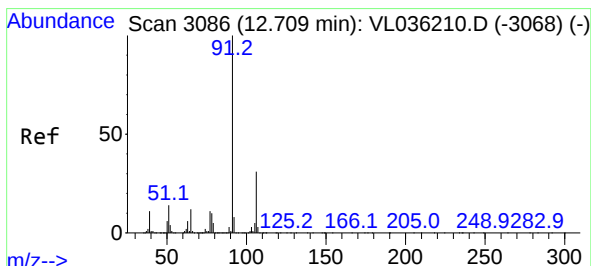
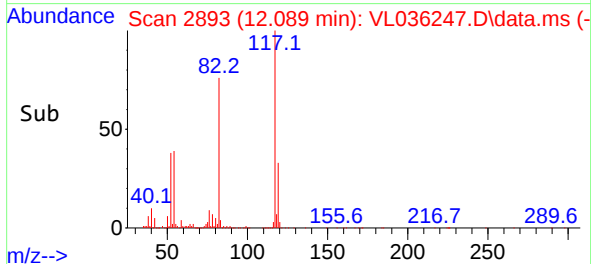
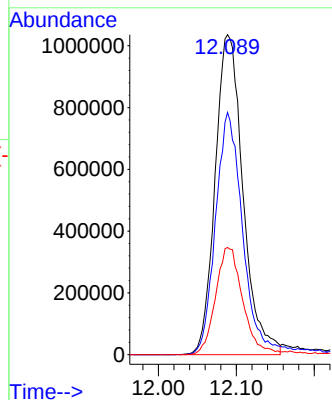
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



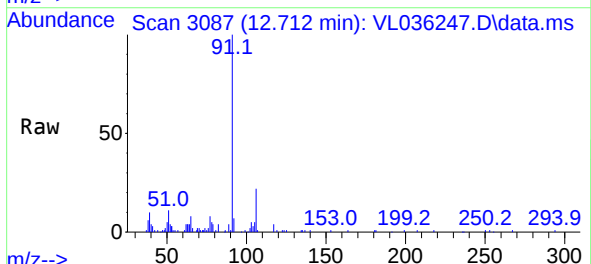
Tgt Ion: 117 Resp: 2571913
Ion Ratio Lower Upper
117 100
82 76.0 59.7 89.5
119 33.7 28.6 43.0

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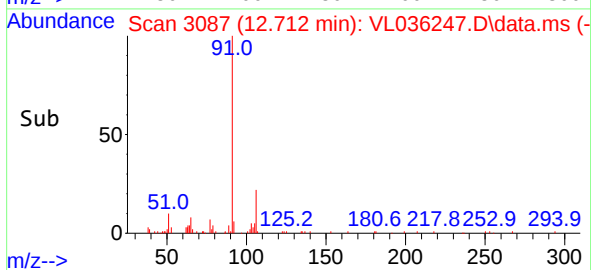
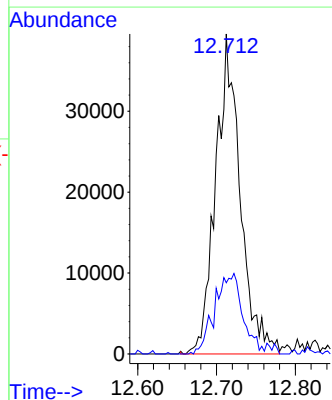
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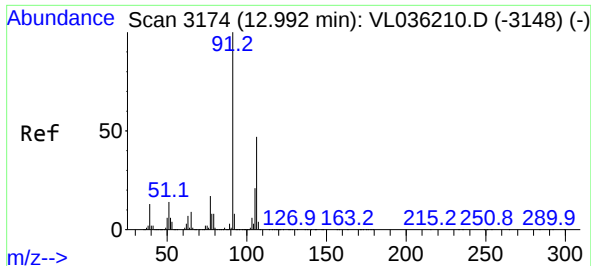


#58
Ethyl Benzene
Concen: 0.22 ppbv m
RT: 12.712 min Scan# 3087
Delta R.T. 0.003 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13



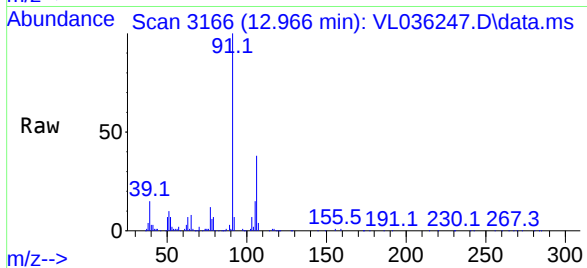
Tgt Ion: 91 Resp: 85302
Ion Ratio Lower Upper
91 100
106 22.3 24.8 37.2#





#59
m/p-Xylene
Concen: 0.97 ppbv m
RT: 12.966 min Scan# 3166
Delta R.T. -0.026 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

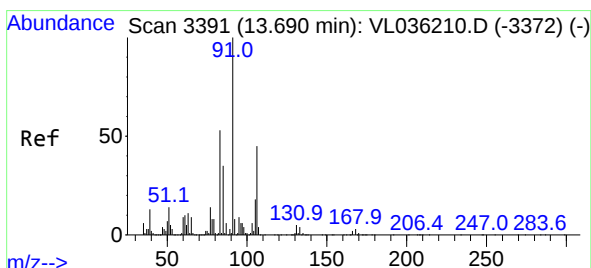
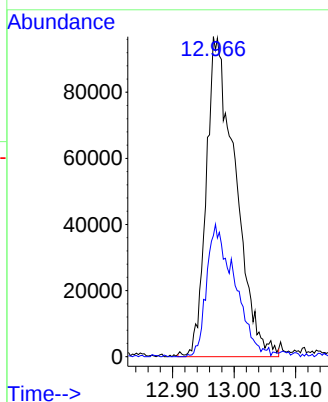
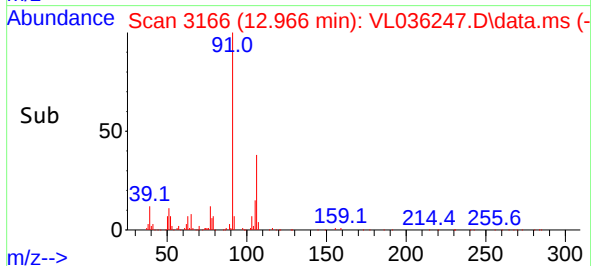
Instrument :
MSVOA_L
ClientSampled :
AA-1DUP



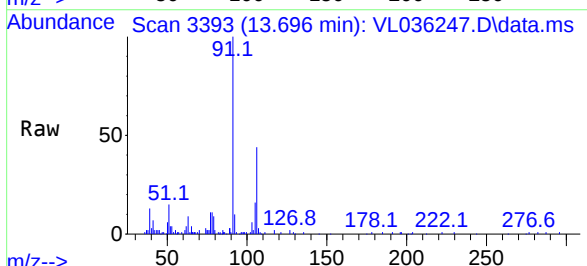
Tgt Ion: 91 Resp: 318021
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

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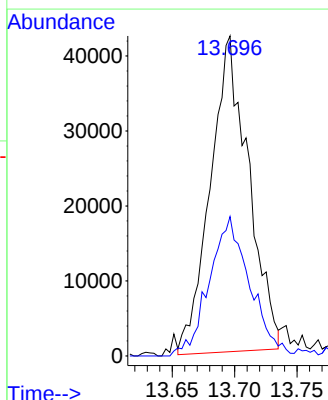
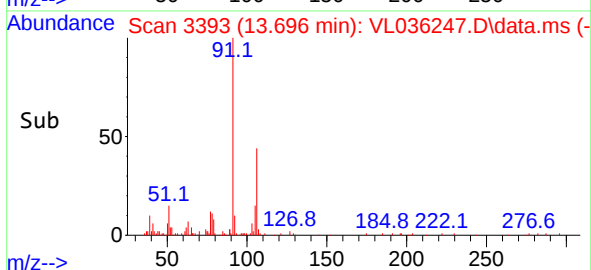
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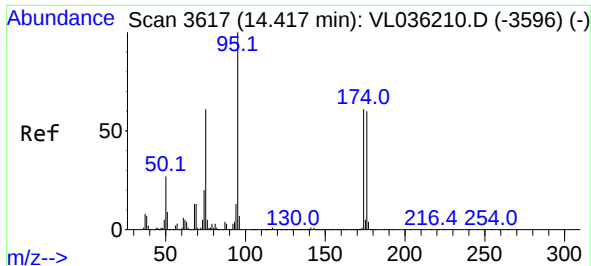


#60
o-Xylene
Concen: 0.28 ppbv
RT: 13.696 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13



Tgt Ion: 91 Resp: 89806
Ion Ratio Lower Upper
91 100
106 46.5 21.9 65.8





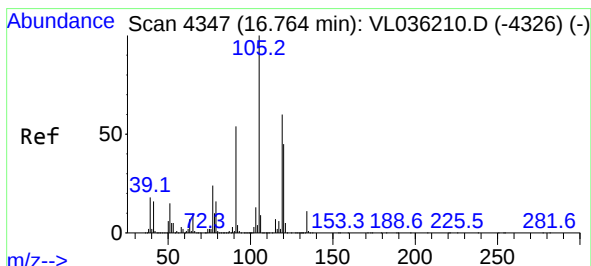
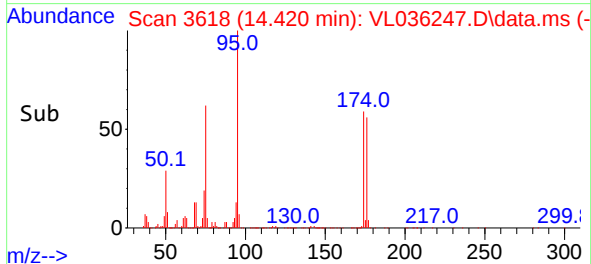
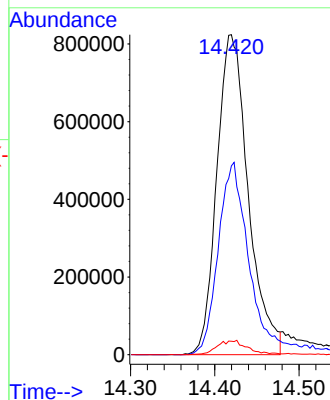
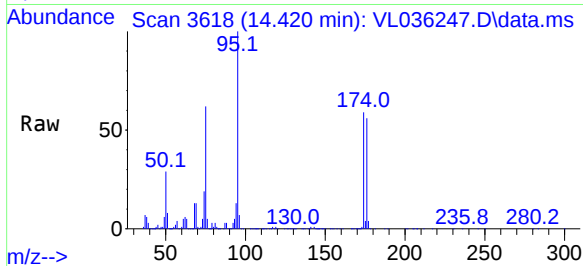
#68
1-Bromo-4-Fluorobenzene
Concen: 10.02 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 95 Resp: 2132940
Ion Ratio Lower Upper
95 100
174 63.3 49.4 74.0
175 4.5 3.8 5.8

Instrument :
MSVOA_L
ClientSampled :
AA-1DUP

Manual Integrations
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#74
1,2,4-Trimethylbenzene
Concen: 0.21 ppbv m
RT: 16.773 min Scan# 4350
Delta R.T. 0.010 min
Lab File: VL036247.D
Acq: 20 Jan 2021 15:13

Tgt Ion: 105 Resp: 73846
Ion Ratio Lower Upper
105 100
120 35.1 36.2 54.2#
91 10.8 43.3 64.9#
77 12.8 19.1 28.7#

