

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
 Data File : VL036246.D
 Acq On : 20 Jan 2021 14:32
 Operator : SY/AP
 Sample : M1171-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

MMDadoda
 1/21/2021 10:35:59 AM

Quant Time: Jan 21 01:34:41 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	1368871	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2986656	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	2599205	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2113098	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.050	85	44815	0.24	ppbv	98
3) Chlorodifluoromethane	2.993	51	67940	0.40	ppbv	94
4) Chloromethane	3.140	50	41331	0.50	ppbv	95
9) Propene	3.021	41	90701	1.13	ppbv #	77
11) Trichlorofluoromethane	3.947	101	48571m	0.26	ppbv	
13) Ethanol	3.607	45	711480	56.60	ppbv	80
15) Acetone	3.854	43	432394	2.58	ppbv	100
19) Isopropyl Alcohol	3.976	45	127177m	1.26	ppbv	
20) Methylene Chloride	4.346	84	867386	16.21	ppbv	98
26) Hexane	5.690	57	396012	2.83	ppbv #	39
34) 2-Butanone	5.259	43	70294m	0.32	ppbv	
35) Carbon Tetrachloride	7.025	117	13103m	0.07	ppbv	
36) Benzene	6.893	78	64621	0.24	ppbv #	88
53) Toluene	9.809	91	156802	0.51	ppbv	98
58) Ethyl Benzene	12.719	91	83266	0.22	ppbv #	85
59) m/p-Xylene	12.966	91	317086m	0.96	ppbv	
60) o-Xylene	13.696	91	100524m	0.31	ppbv	
74) 1,2,4-Trimethylbenzene	16.773	105	78502m	0.22	ppbv	

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

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Manual Integrations
APPROVED

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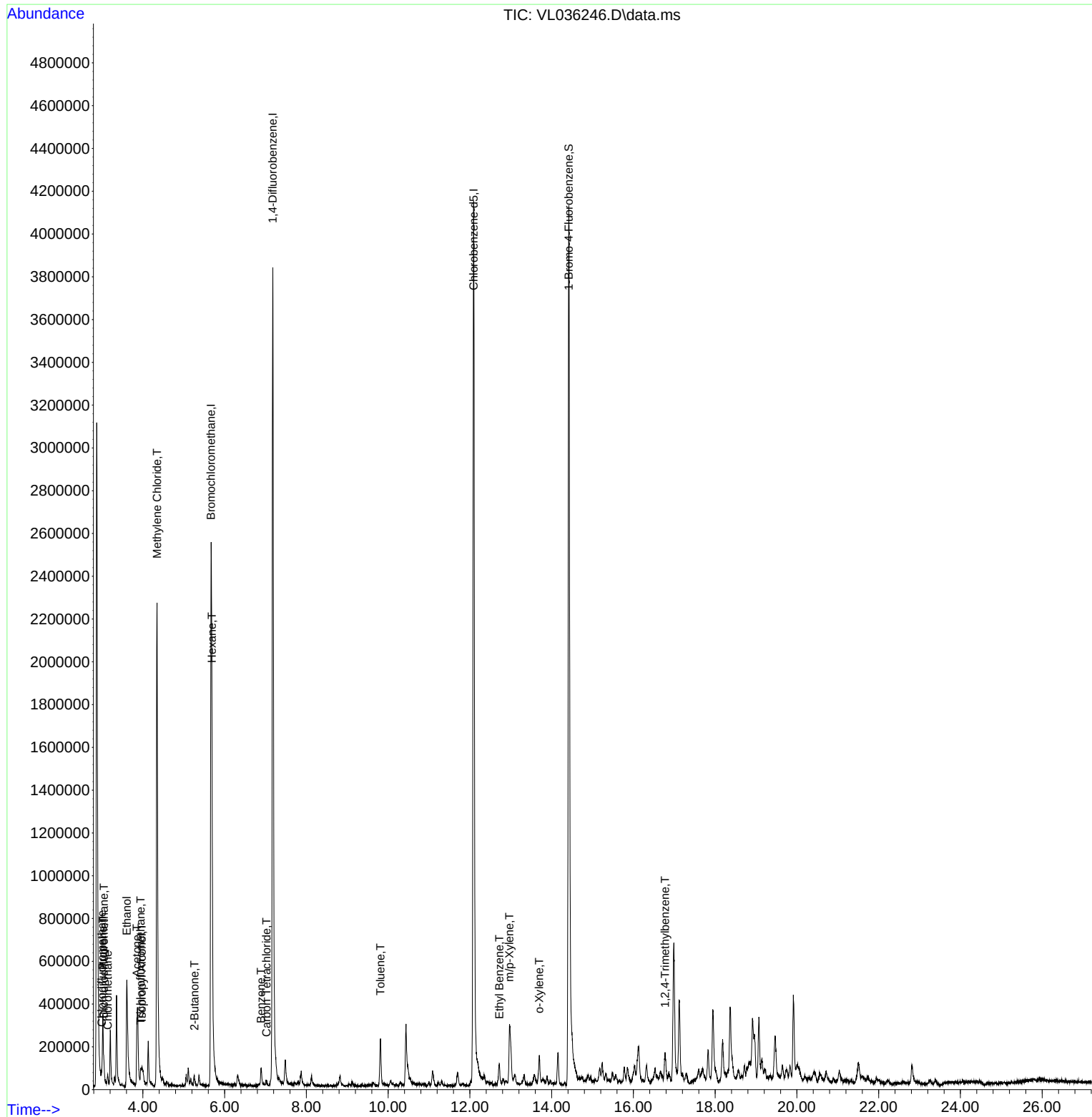
Quant Time: Jan 21 01:34:41 2021

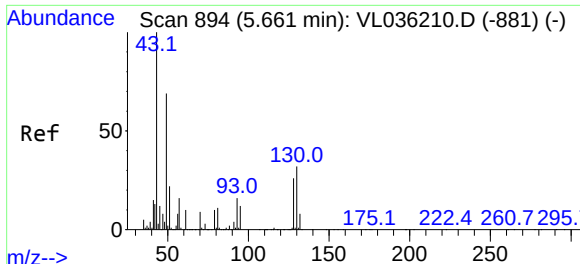
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

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

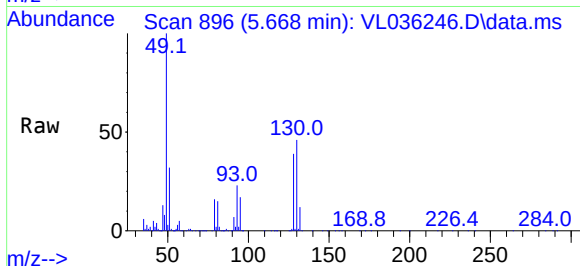
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.668 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

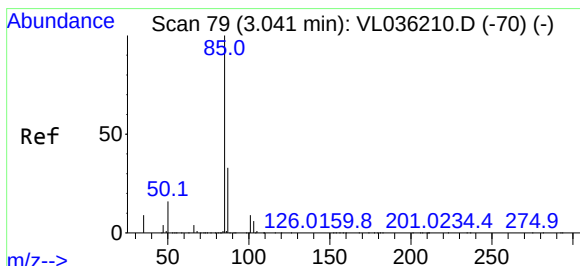
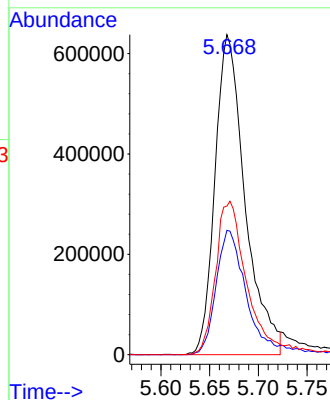
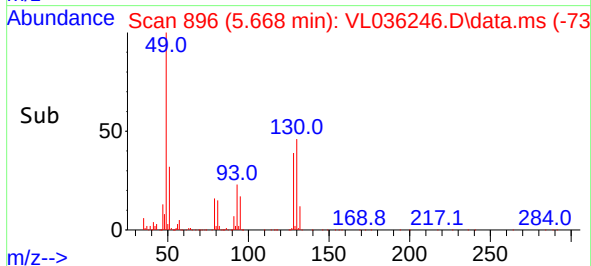
Instrument :
MSVOA_L
ClientSampled :
AA-1



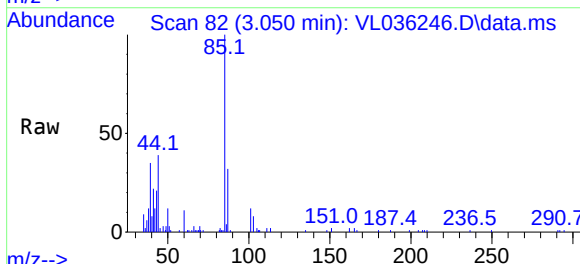
Tgt Ion: 49 Resp: 1368871
Ion Ratio Lower Upper
49 100
128 41.0 20.1 60.2
130 52.0 25.3 75.9

Manual Integrations
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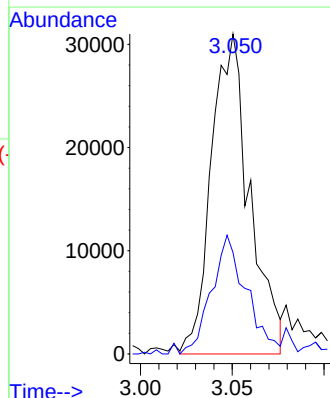
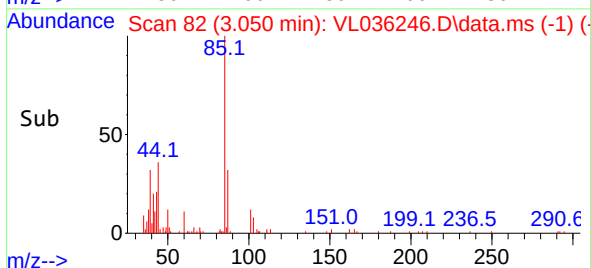
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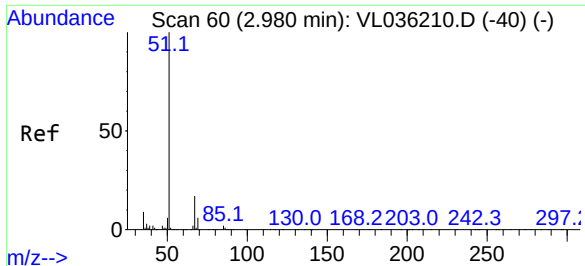


#2
Dichlorodifluoromethane
Concen: 0.24 ppbv
RT: 3.050 min Scan# 82
Delta R.T. 0.010 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



Tgt Ion: 85 Resp: 44815
Ion Ratio Lower Upper
85 100
87 32.0 26.4 39.6





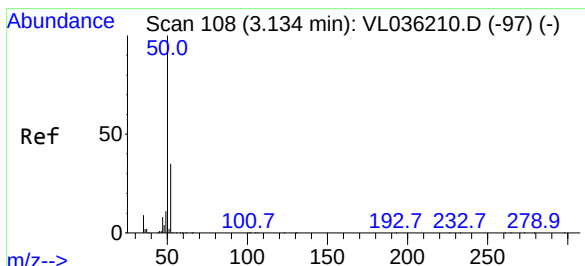
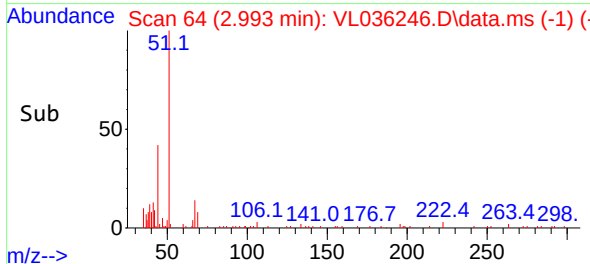
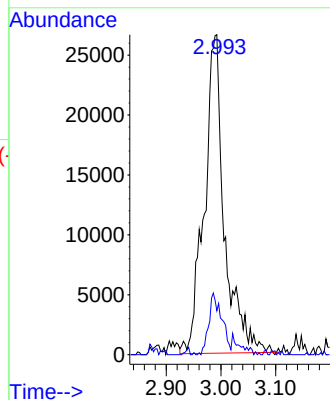
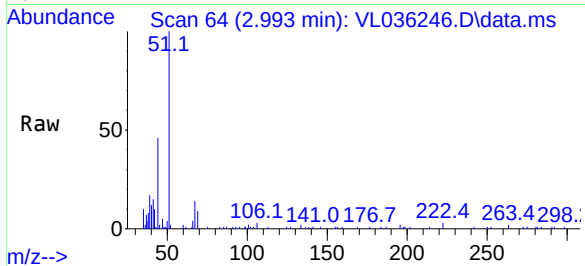
#3
Chlorodifluoromethane
Concen: 0.40 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 51 Resp: 67940
Ion Ratio Lower Upper
51 100
67 15.1 14.0 21.0

Instrument :
MSVOA_L
ClientSampled :
AA-1

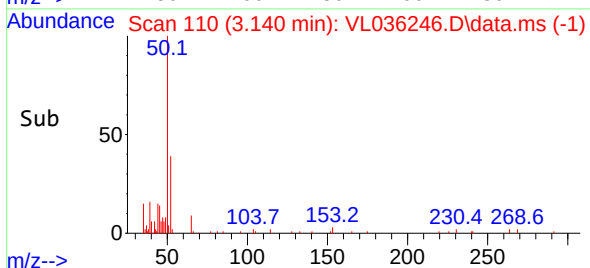
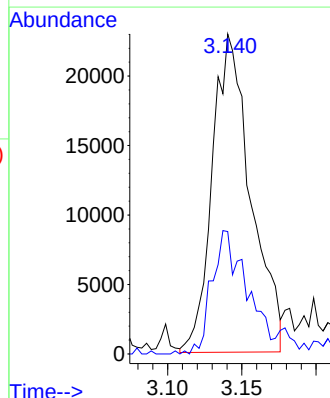
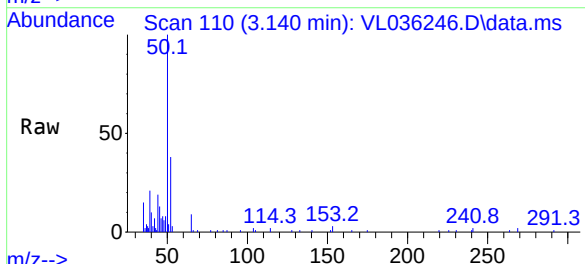
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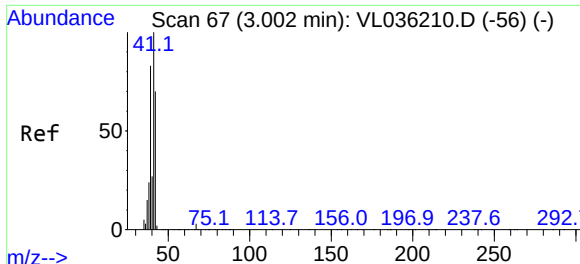
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#4
Chloromethane
Concen: 0.50 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 50 Resp: 41331
Ion Ratio Lower Upper
50 100
52 37.5 27.8 41.8





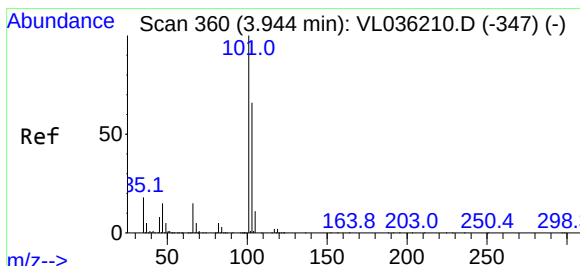
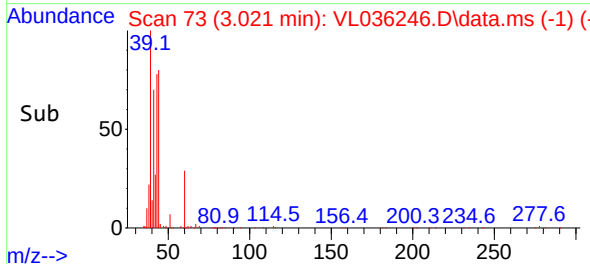
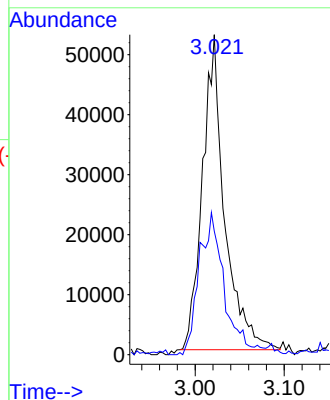
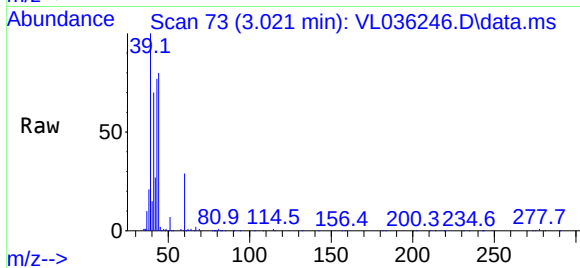
#9
Propene
Concen: 1.13 ppbv
RT: 3.021 min Scan# 73
Delta R.T. 0.019 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 41 Resp: 90701
Ion Ratio Lower Upper
41 100
42 52.7 57.1 85.7#

Instrument :
MSVOA_L
ClientSampled :
AA-1

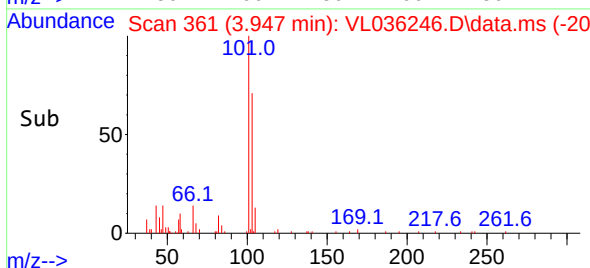
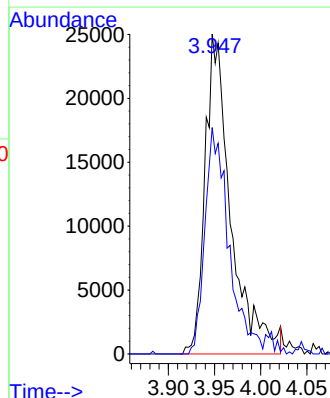
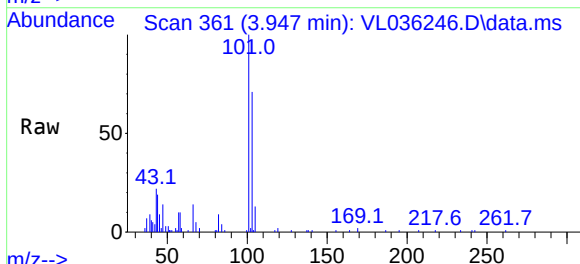
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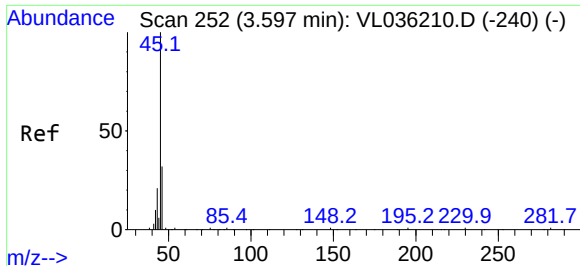
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#11
Trichlorofluoromethane
Concen: 0.26 ppbv m
RT: 3.947 min Scan# 361
Delta R.T. 0.003 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 101 Resp: 48571
Ion Ratio Lower Upper
101 100
103 70.8 52.6 78.8





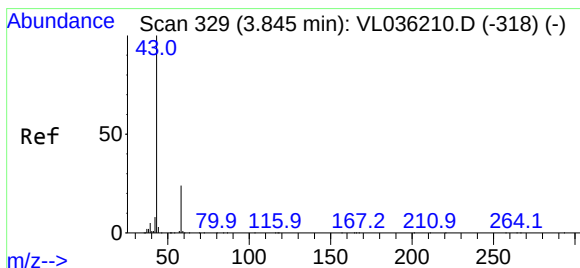
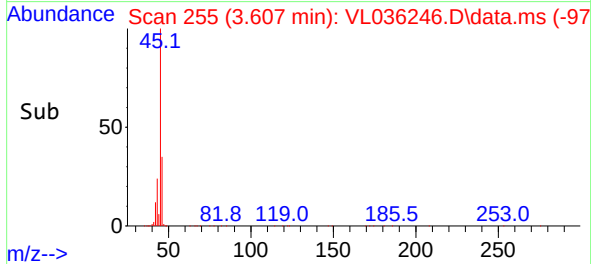
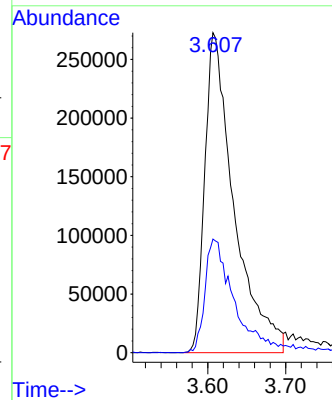
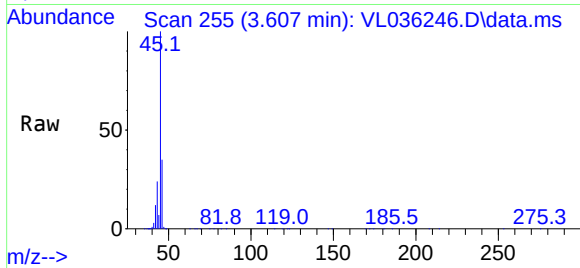
#13
Ethanol
Concen: 56.60 ppbv
RT: 3.607 min Scan# 255
Delta R.T. 0.010 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Instrument :
MSVOA_L
ClientSampled :
AA-1

Tgt Ion: 45 Resp: 711480
Ion Ratio Lower Upper
45 100
46 34.9 19.2 77.0

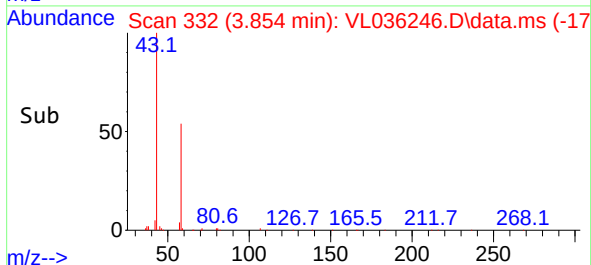
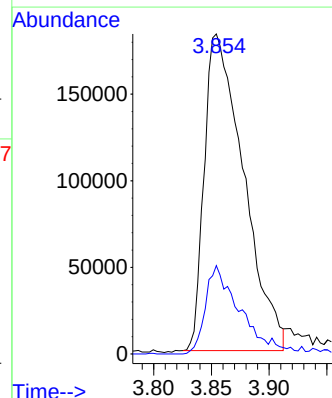
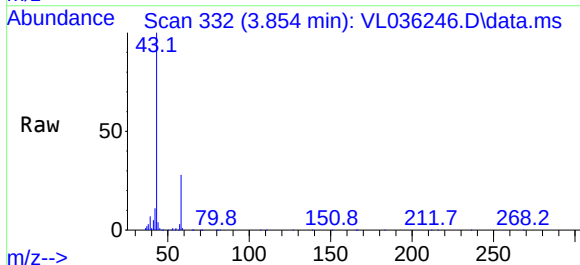
Manual Integrations
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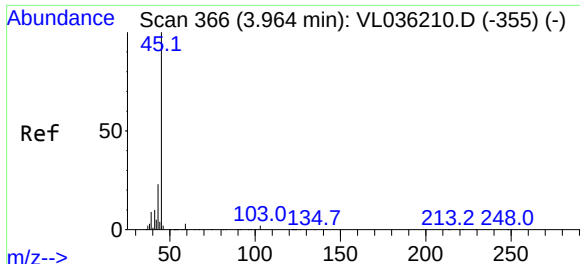
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#15
Acetone
Concen: 2.58 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.010 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 43 Resp: 432394
Ion Ratio Lower Upper
43 100
58 26.1 20.9 31.3





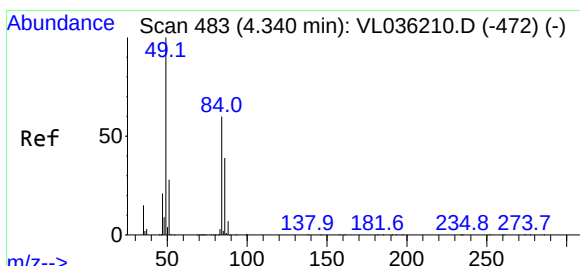
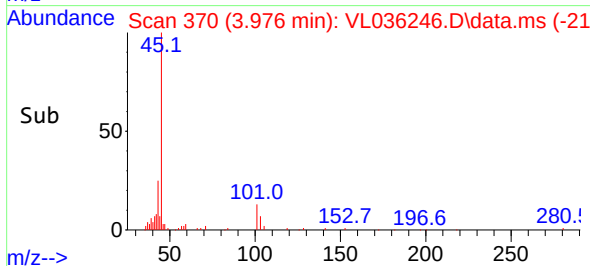
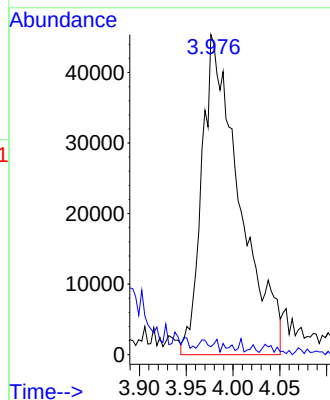
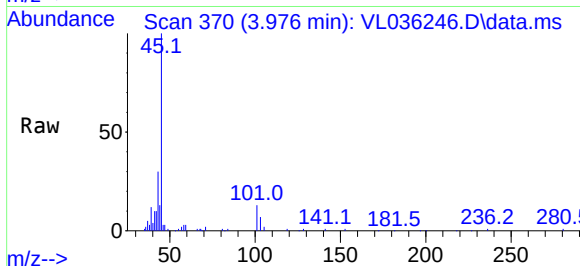
#19
Isopropyl Alcohol
Concen: 1.26 ppbv m
RT: 3.976 min Scan# 370
Delta R.T. 0.013 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 45 Resp: 127177
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

Instrument :
MSVOA_L
ClientSampleId :
AA-1

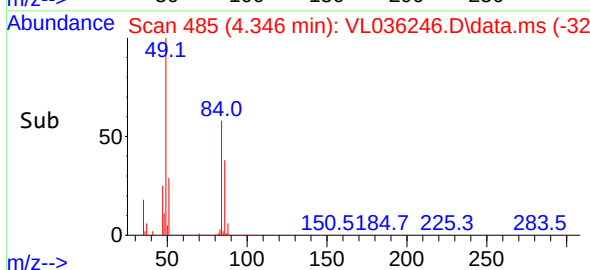
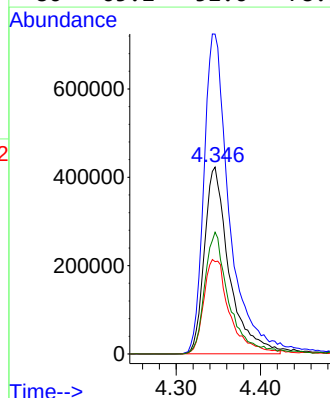
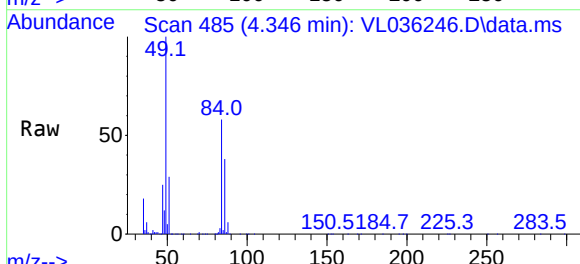
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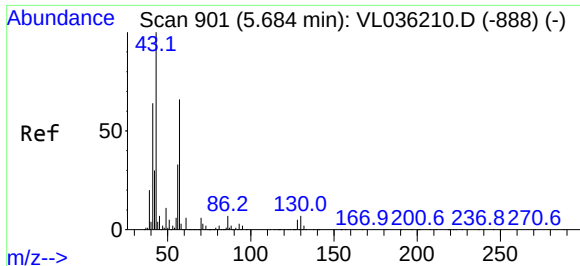
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#20
Methylene Chloride
Concen: 16.21 ppbv
RT: 4.346 min Scan# 485
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

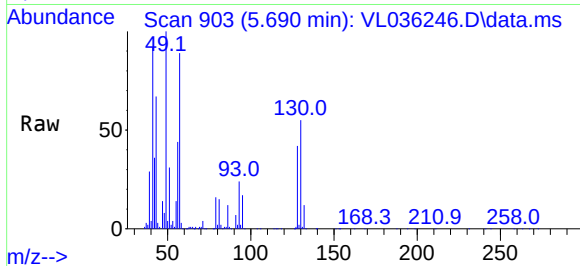
Tgt Ion: 84 Resp: 867386
Ion Ratio Lower Upper
84 100
49 171.2 134.1 201.1
51 49.4 37.4 56.0
86 65.2 52.6 78.8





#26
Hexane
Concen: 2.83 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

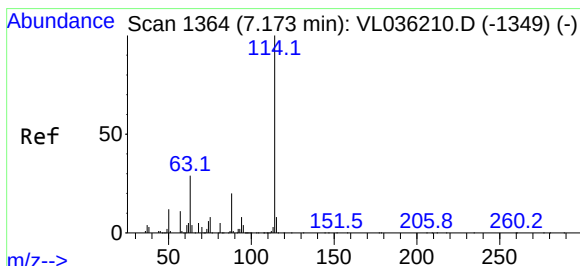
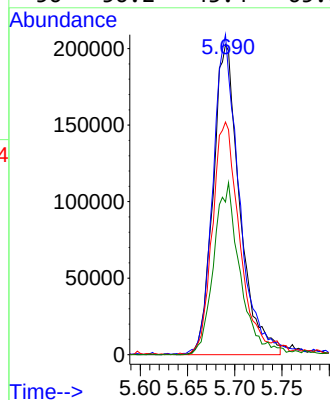
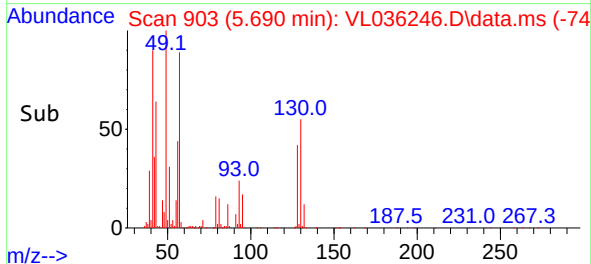
Instrument :
MSVOA_L
ClientSampled :
AA-1



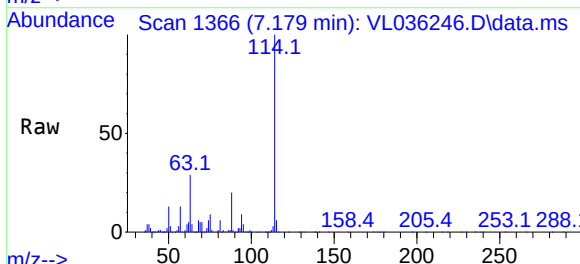
Tgt Ion: 57 Resp: 396012
Ion Ratio Lower Upper
57 100
41 104.0 83.0 124.6
43 80.5 202.4 303.6#
56 56.2 43.4 65.0

Manual Integrations
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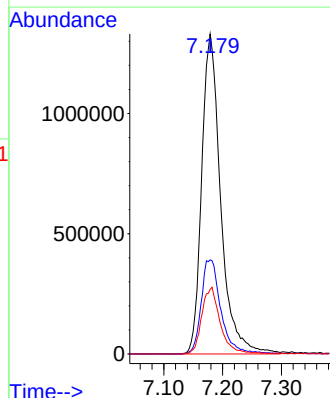
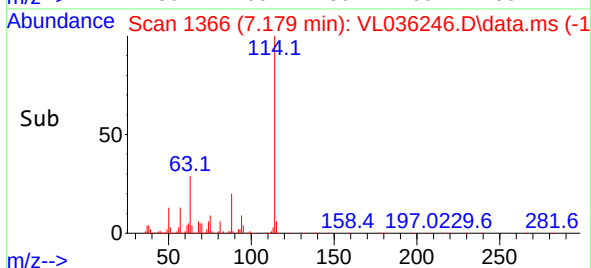
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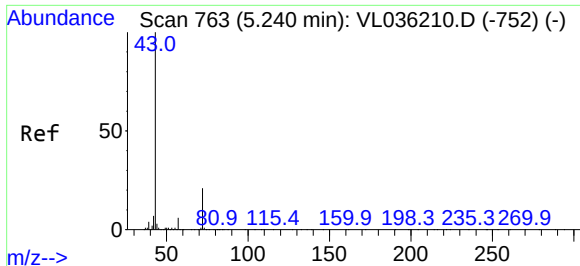


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



Tgt Ion: 114 Resp: 2986656
Ion Ratio Lower Upper
114 100
63 30.6 24.7 37.1
88 20.4 16.6 24.8





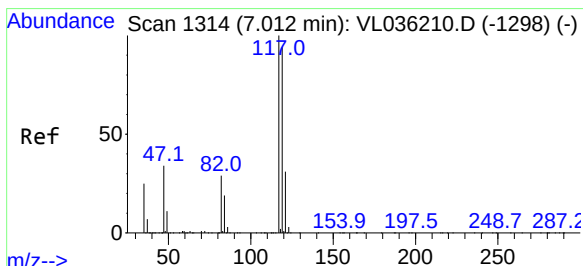
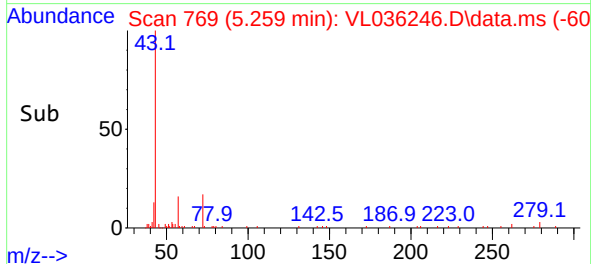
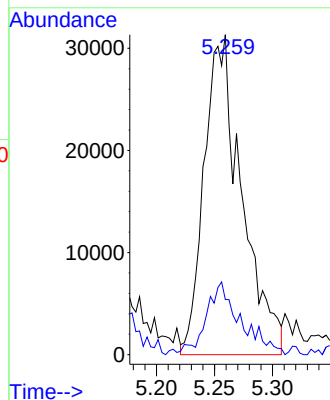
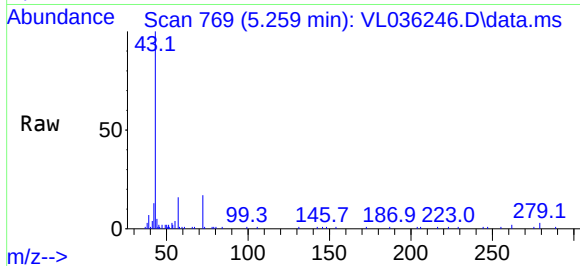
#34
2-Butanone
Concen: 0.32 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.019 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Tgt Ion: 43 Resp: 70294
Ion Ratio Lower Upper
43 100
72 21.6 16.1 24.1

Instrument :
MSVOA_L
ClientSampled :
AA-1

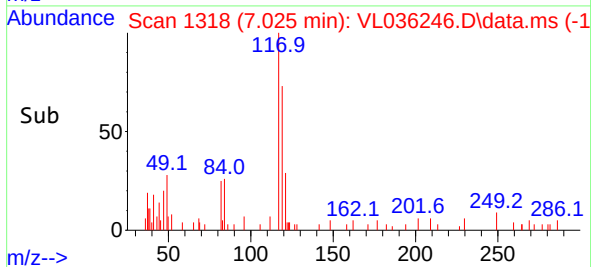
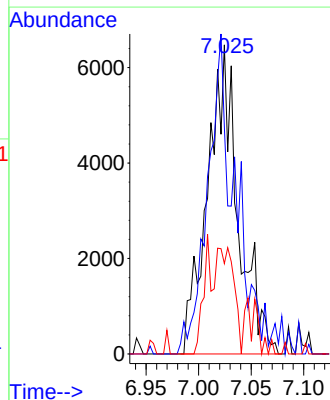
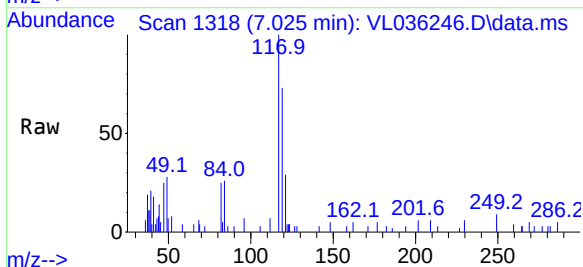
Manual Integrations
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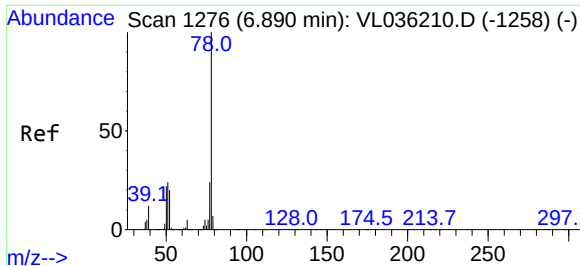
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#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.013 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

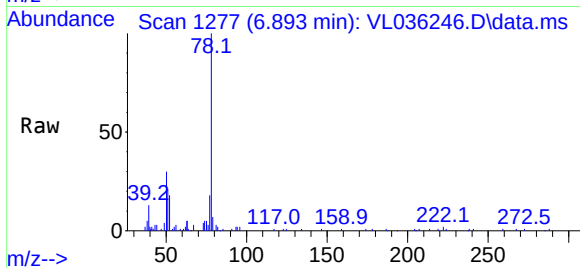
Tgt Ion: 117 Resp: 13103
Ion Ratio Lower Upper
117 100
119 73.4 74.9 112.3#
121 29.3 25.0 37.6





#36
Benzene
Concen: 0.24 ppbv
RT: 6.893 min Scan# 1277
Delta R.T. 0.003 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

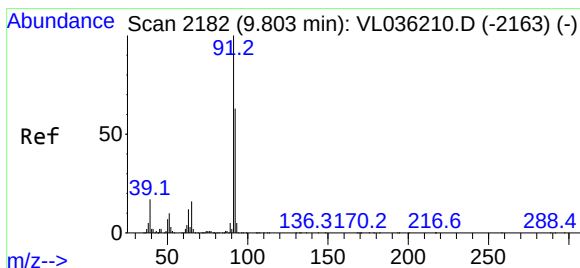
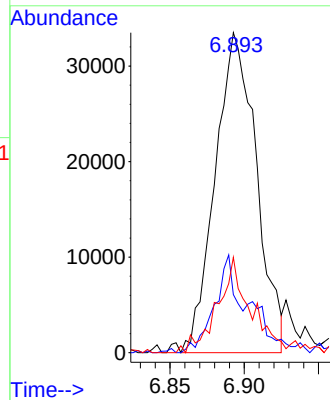
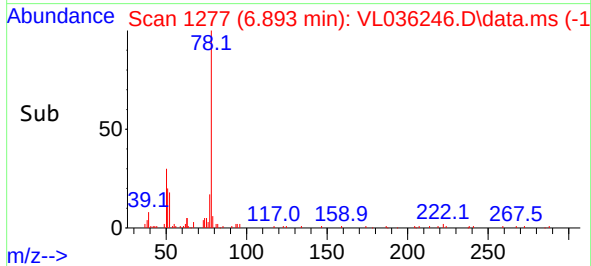
Instrument :
MSVOA_L
ClientSampled :
AA-1



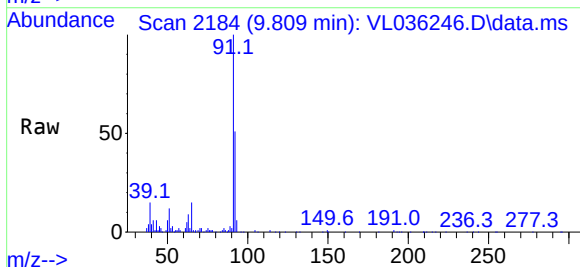
Tgt Ion: 78 Resp: 64621
Ion Ratio Lower Upper
78 100
77 18.2 19.4 29.0#
50 27.6 17.4 26.2#

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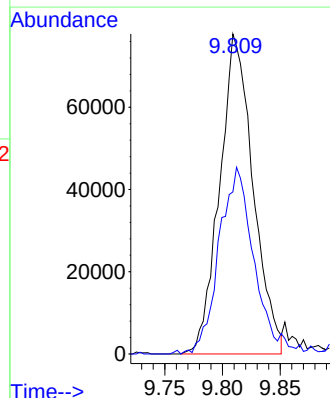
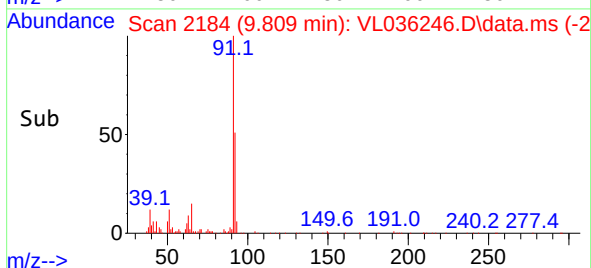
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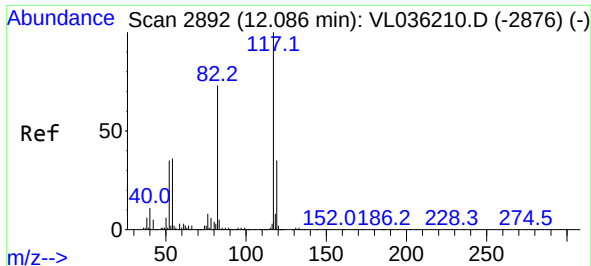


#53
Toluene
Concen: 0.51 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



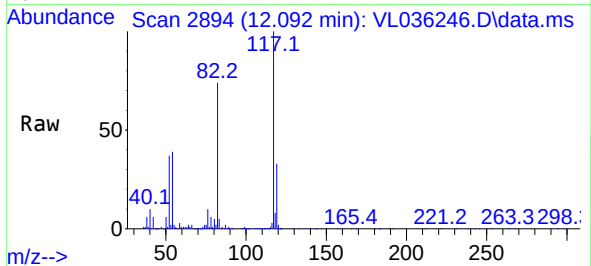
Tgt Ion: 91 Resp: 156802
Ion Ratio Lower Upper
91 100
92 61.8 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

Instrument :
MSVOA_L
ClientSampled :
AA-1

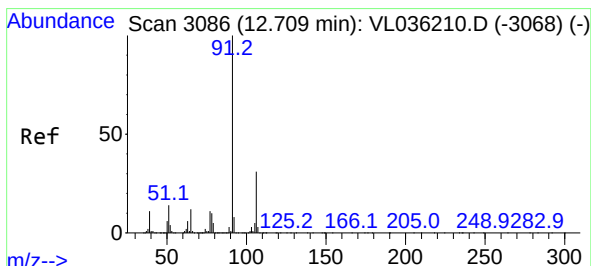
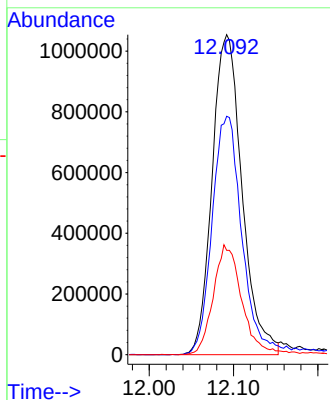
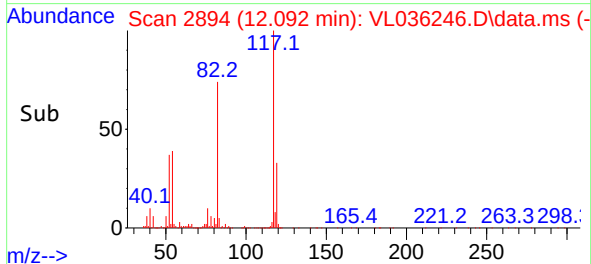


Tgt Ion:117 Resp: 2599205

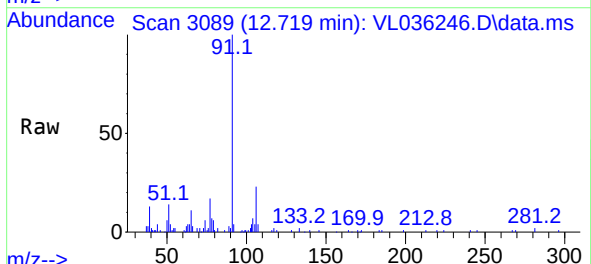
Ion	Ratio	Lower	Upper
117	100		
82	77.0	59.7	89.5
119	33.9	28.6	43.0

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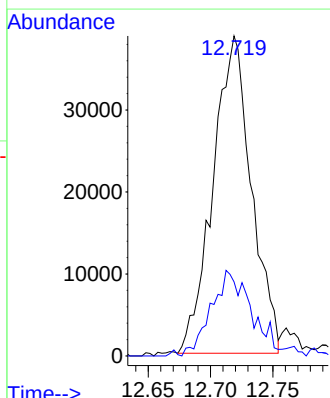
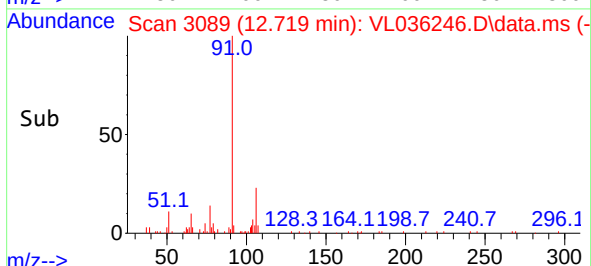


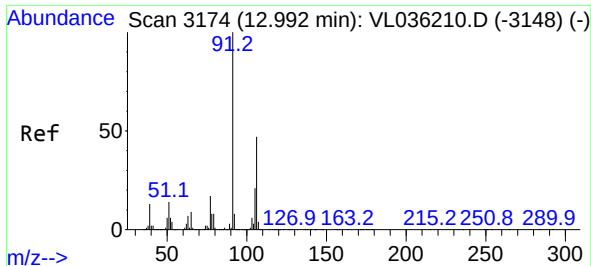
#58
Ethyl Benzene
Concen: 0.22 ppbv
RT: 12.719 min Scan# 3089
Delta R.T. 0.010 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



Tgt Ion: 91 Resp: 83266

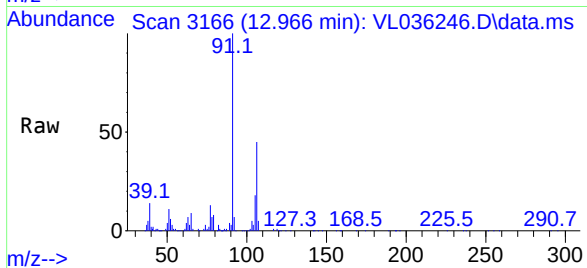
Ion	Ratio	Lower	Upper
91	100		
106	22.9	24.8	37.2#





#59
m/p-Xylene
Concen: 0.96 ppbv m
RT: 12.966 min Scan# 3166
Delta R.T. -0.026 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

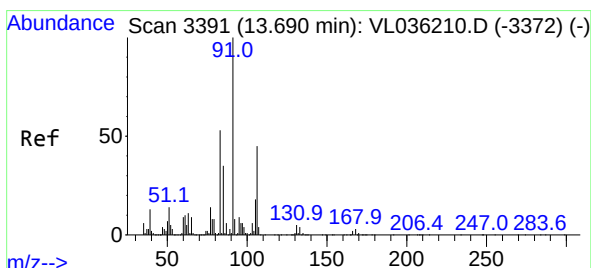
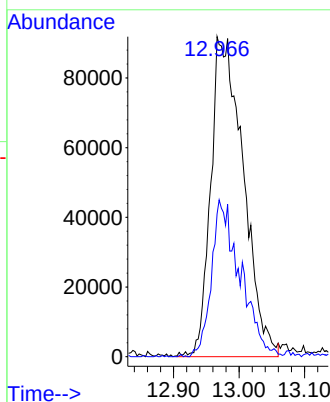
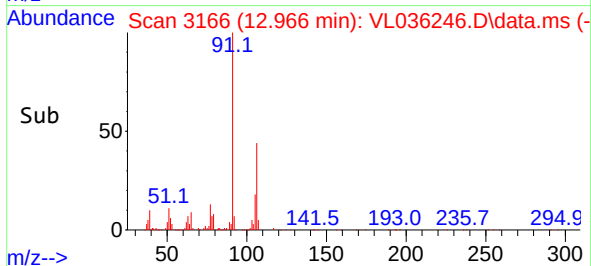
Instrument :
MSVOA_L
ClientSampled :
AA-1



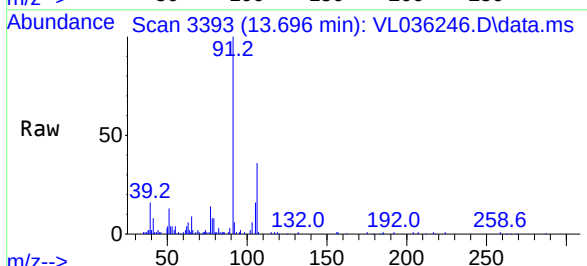
Tgt Ion: 91 Resp: 317086
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

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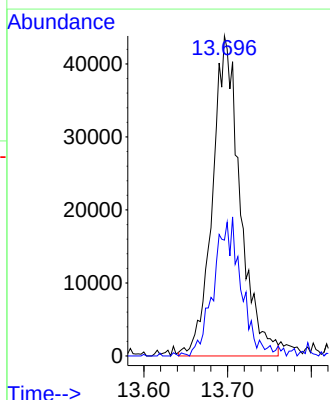
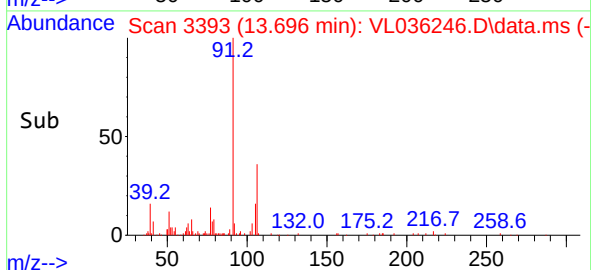
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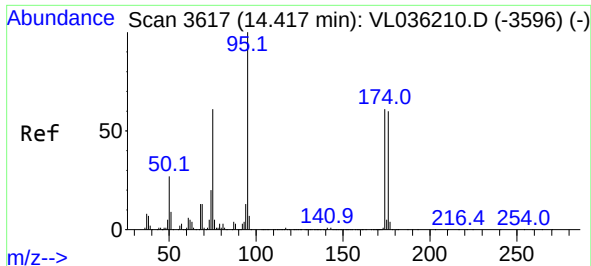


#60
o-Xylene
Concen: 0.31 ppbv m
RT: 13.696 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



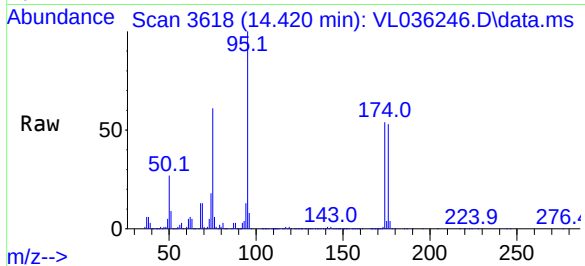
Tgt Ion: 91 Resp: 100524
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.82 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32

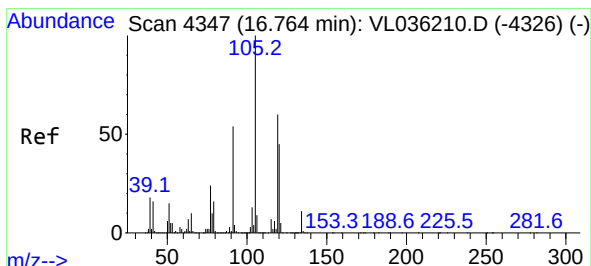
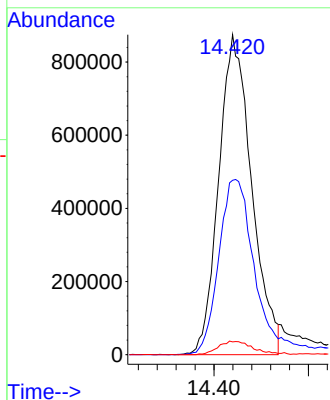
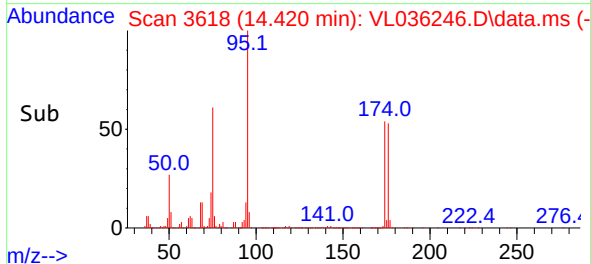
Instrument :
MSVOA_L
ClientSampled :
AA-1



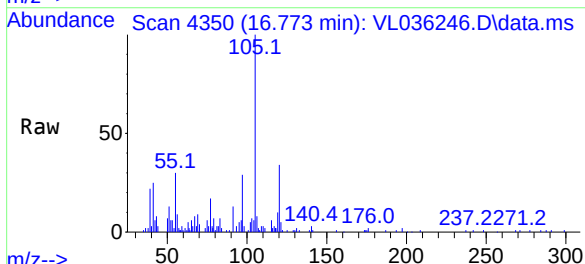
Tgt Ion: 95 Resp: 2113098
Ion Ratio Lower Upper
95 100
174 64.1 49.4 74.0
175 4.7 3.8 5.8

Manual Integrations
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1/21/2021 10:35:59 AM



#74
1,2,4-Trimethylbenzene
Concen: 0.22 ppbv m
RT: 16.773 min Scan# 4350
Delta R.T. 0.009 min
Lab File: VL036246.D
Acq: 20 Jan 2021 14:32



Tgt Ion: 105 Resp: 78502
Ion Ratio Lower Upper
105 100
120 34.5 36.2 54.2#
91 12.6 43.3 64.9#
77 17.5 19.1 28.7#

