

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
 Data File : VL036249.D
 Acq On : 20 Jan 2021 16:34
 Operator : SY/AP
 Sample : M1171-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
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 1/21/2021 10:36:04 AM

Quant Time: Jan 21 01:35:14 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	5.661	49	1332921	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	2778995	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2480282	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2041359	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.037	85	34931m	0.20	ppbv	
3) Chlorodifluoromethane	2.983	51	66890	0.41	ppbv	93
4) Chloromethane	3.137	50	42855	0.53	ppbv	97
9) Propene	3.012	41	77981	1.00	ppbv #	77
11) Trichlorofluoromethane	3.947	101	49190m	0.27	ppbv	
13) Ethanol	3.597	45	763308	62.36	ppbv	86
15) Acetone	3.851	43	513431	3.15	ppbv	98
19) Isopropyl Alcohol	3.970	45	270583m	2.75	ppbv	
20) Methylene Chloride	4.336	84	201092m	3.86	ppbv	
26) Hexane	5.684	57	405590m	2.97	ppbv	
29) Chloroform	5.751	83	40897	0.21	ppbv	91
34) 2-Butanone	5.246	43	101825	0.50	ppbv #	85
35) Carbon Tetrachloride	7.021	117	12971m	0.07	ppbv	
36) Benzene	6.883	78	74536m	0.29	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	55602m	0.12	ppbv	
52) Tetrachloroethene	11.227	164	8180m	0.09	ppbv	
53) Toluene	9.802	91	1143991	4.02	ppbv	99
58) Ethyl Benzene	12.706	91	104241m	0.28	ppbv	
59) m/p-Xylene	12.966	91	397700	1.26	ppbv	99
60) o-Xylene	13.693	91	130956	0.43	ppbv	99
74) 1,2,4-Trimethylbenzene	16.764	105	98923m	0.29	ppbv	

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

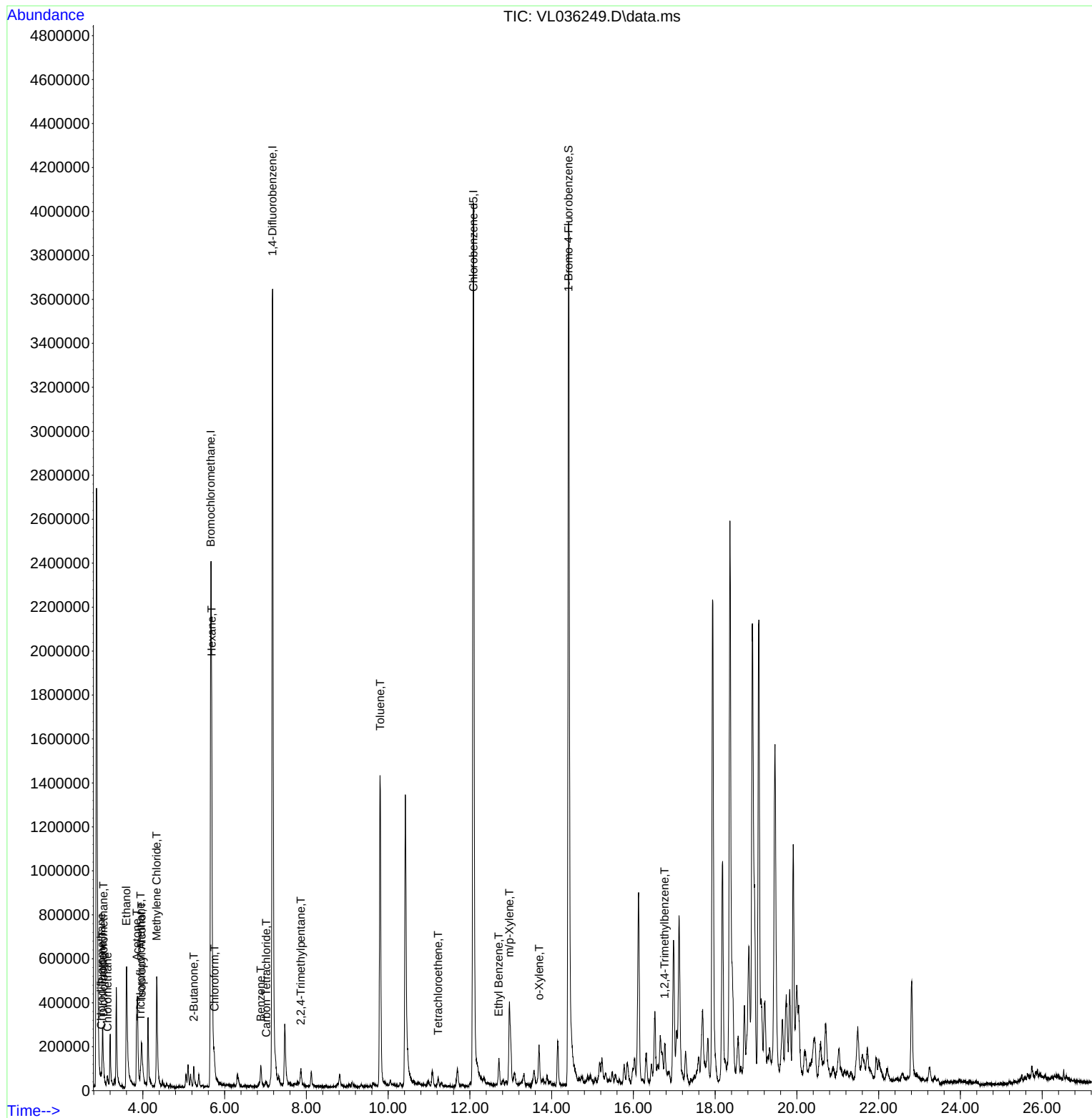
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
Data File : VL036249.D
Acq On : 20 Jan 2021 16:34
Operator : SY/AP
Sample : M1171-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

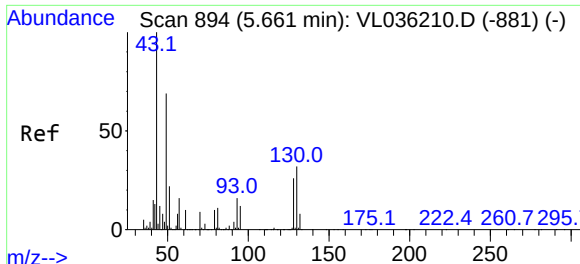
Instrument :
MSVOA_L
ClientSampleId :
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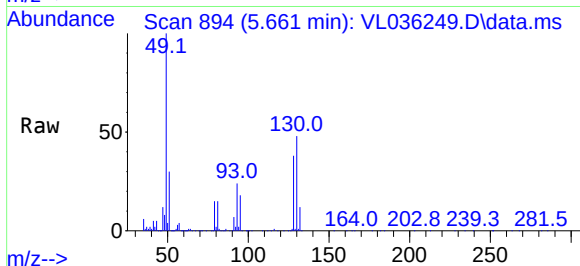
Quant Time: Jan 21 01:35:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Instrument :
MSVOA_L
ClientSampled :
IA-2

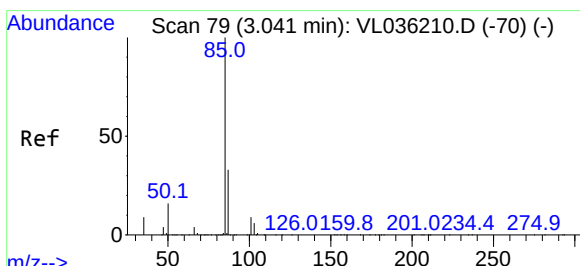
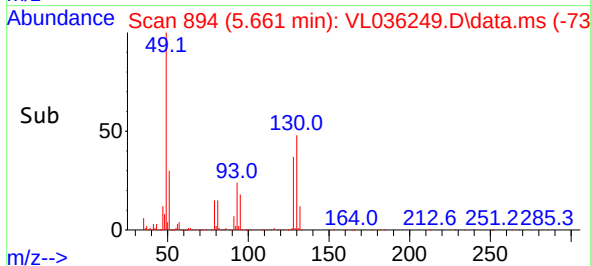
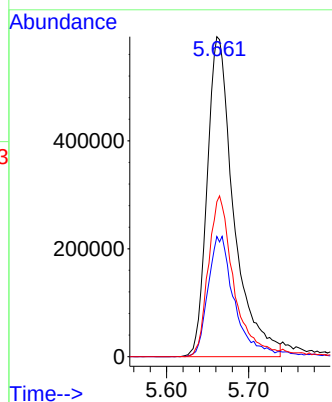


Tgt Ion: 49 Resp: 1332921

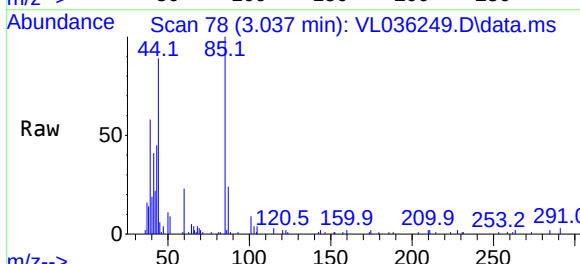
Ion	Ratio	Lower	Upper
49	100		
128	38.9	20.1	60.2
130	50.5	25.3	75.9

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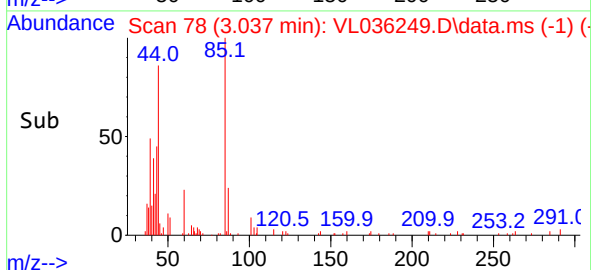
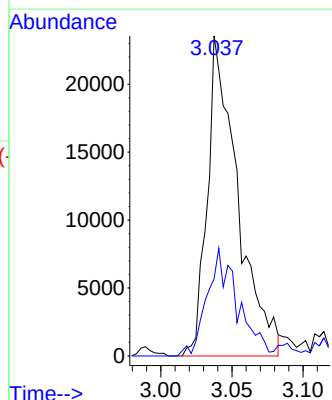


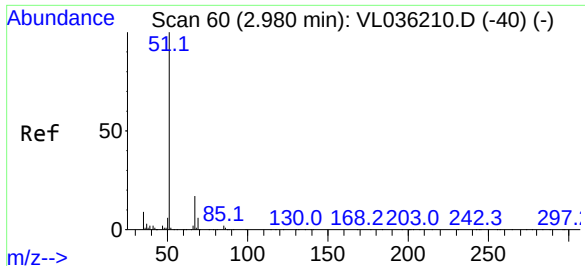
#2
Dichlorodifluoromethane
Concen: 0.20 ppbv m
RT: 3.037 min Scan# 78
Delta R.T. -0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34



Tgt Ion: 85 Resp: 34931

Ion	Ratio	Lower	Upper
85	100		
87	24.1	26.4	39.6





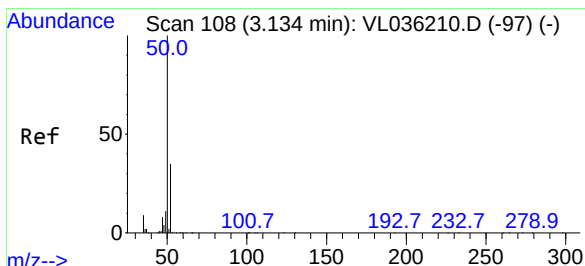
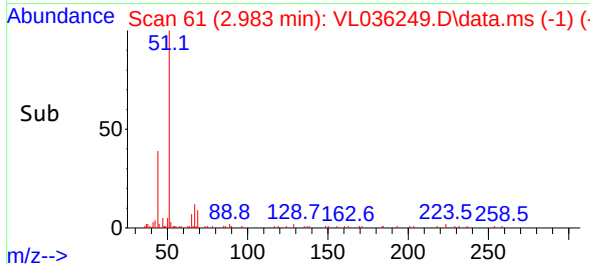
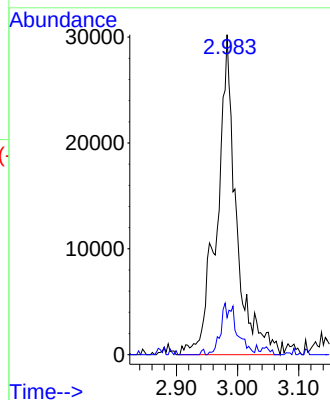
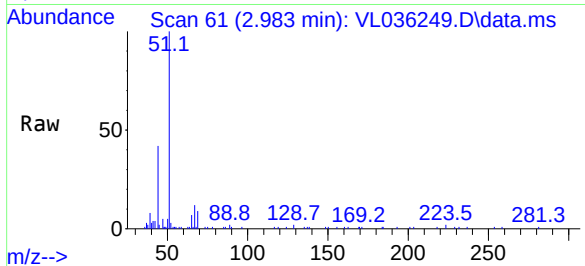
#3
Chlorodifluoromethane
Concen: 0.41 ppbv
RT: 2.983 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 51 Resp: 66890
Ion Ratio Lower Upper
51 100
67 14.6 14.0 21.0

Instrument :
MSVOA_L
ClientSampled :
IA-2

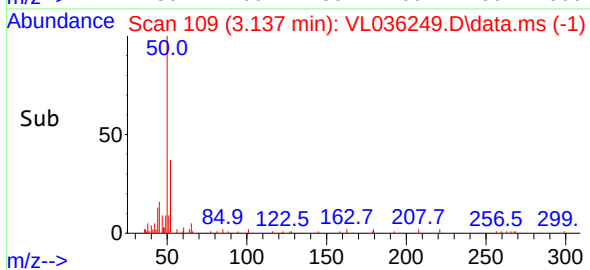
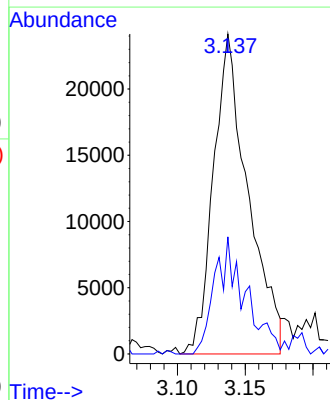
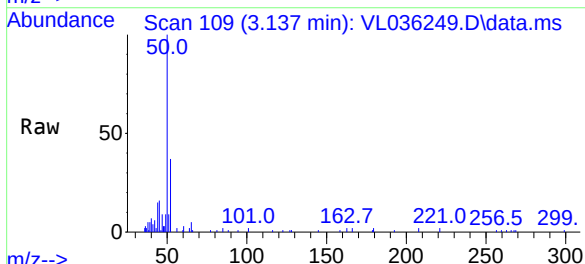
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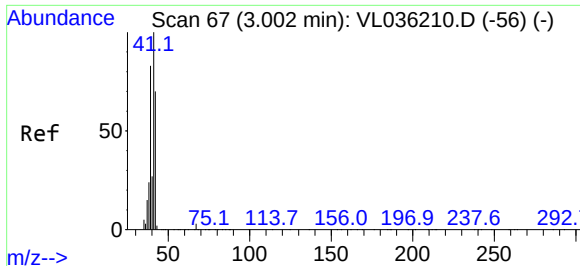
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#4
Chloromethane
Concen: 0.53 ppbv
RT: 3.137 min Scan# 109
Delta R.T. 0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 50 Resp: 42855
Ion Ratio Lower Upper
50 100
52 36.6 27.8 41.8





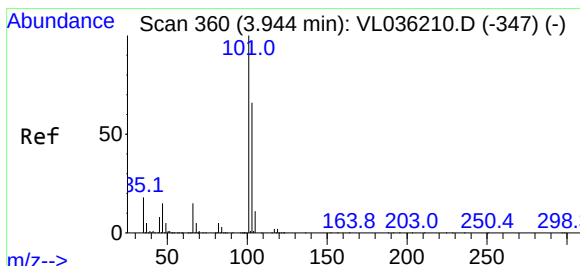
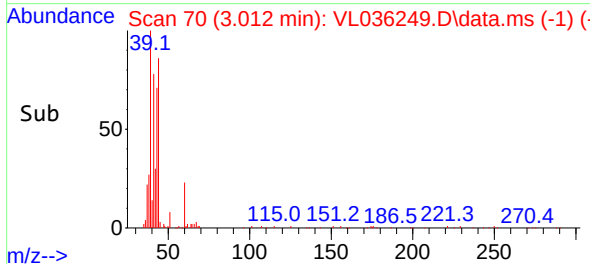
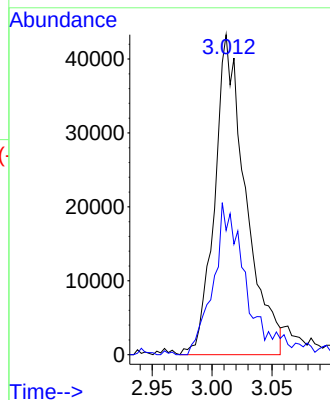
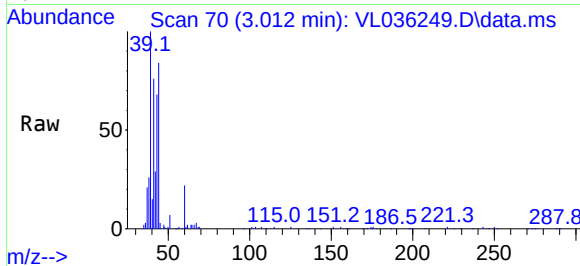
#9
Propene
Concen: 1.00 ppbv
RT: 3.012 min Scan# 70
Delta R.T. 0.009 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 41 Resp: 77981
Ion Ratio Lower Upper
41 100
42 52.2 57.1 85.7#

Instrument :
MSVOA_L
ClientSampled :
IA-2

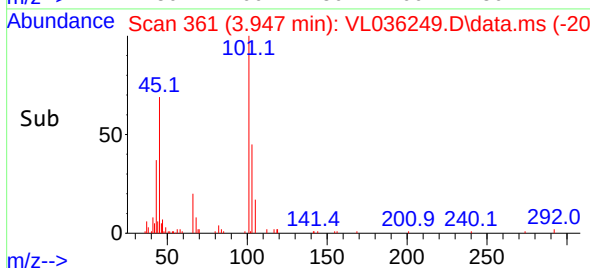
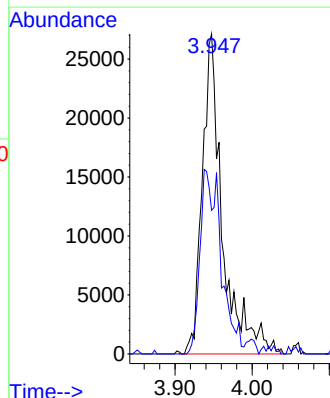
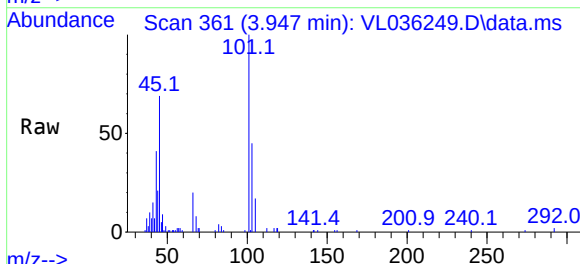
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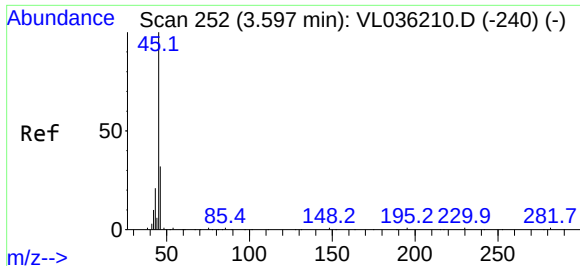
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#11
Trichlorofluoromethane
Concen: 0.27 ppbv m
RT: 3.947 min Scan# 361
Delta R.T. 0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 101 Resp: 49190
Ion Ratio Lower Upper
101 100
103 44.9 52.6 78.8#





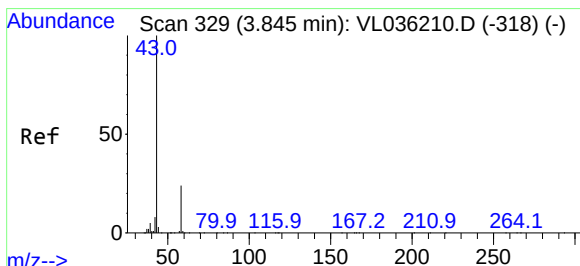
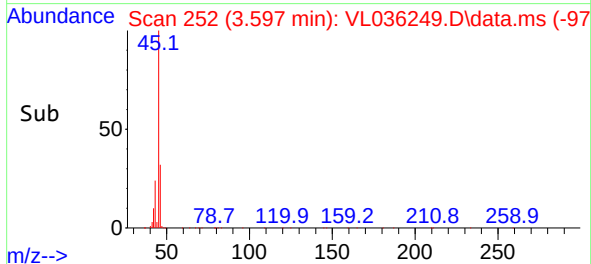
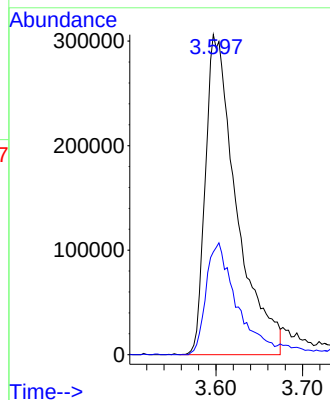
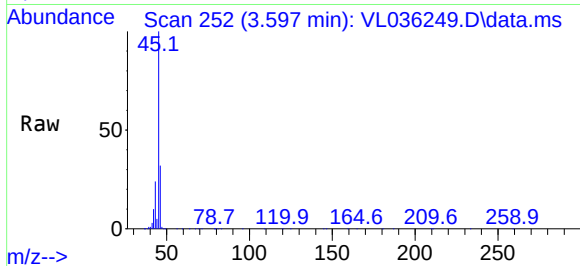
#13
Ethanol
Concen: 62.36 ppbv
RT: 3.597 min Scan# 252
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 45 Resp: 763308
Ion Ratio Lower Upper
45 100
46 38.4 19.2 77.0

Instrument :
MSVOA_L
ClientSampled :
IA-2

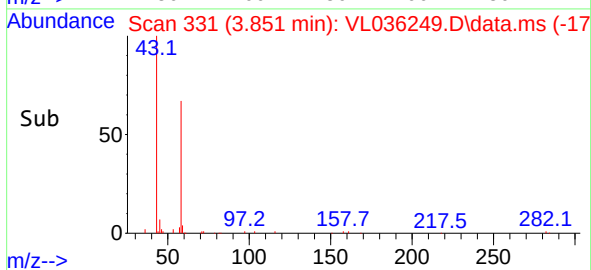
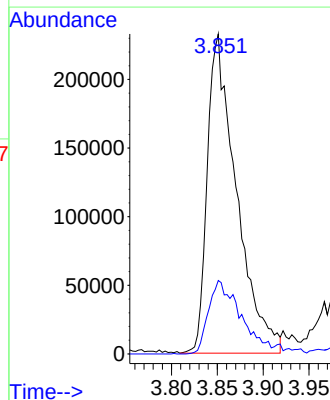
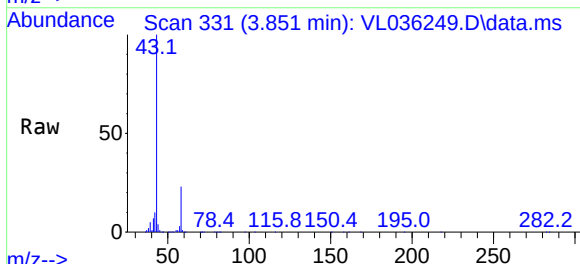
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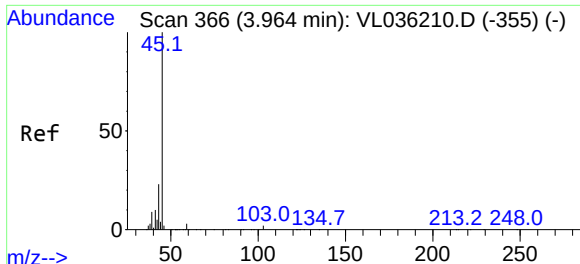
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#15
Acetone
Concen: 3.15 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.006 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

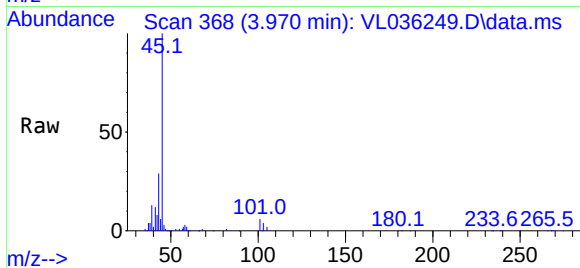
Tgt Ion: 43 Resp: 513431
Ion Ratio Lower Upper
43 100
58 27.0 20.9 31.3





#19
Isopropyl Alcohol
Concen: 2.75 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.006 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

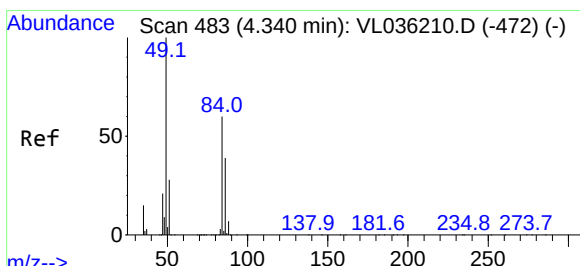
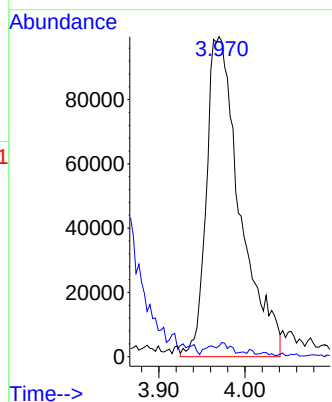
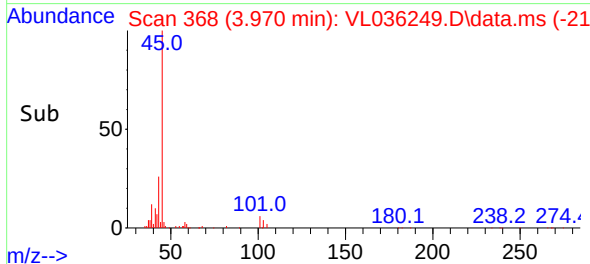
Instrument :
MSVOA_L
ClientSampled :
IA-2



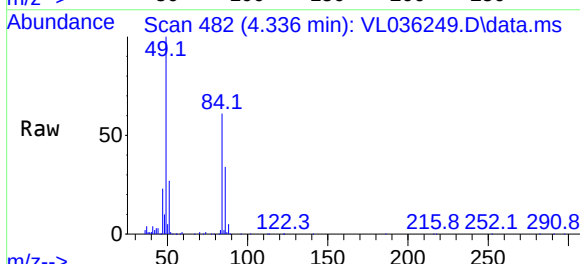
Tgt Ion: 45 Resp: 270583
Ion Ratio Lower Upper
45 100
58 3.9 1.9 2.9#

Manual Integrations
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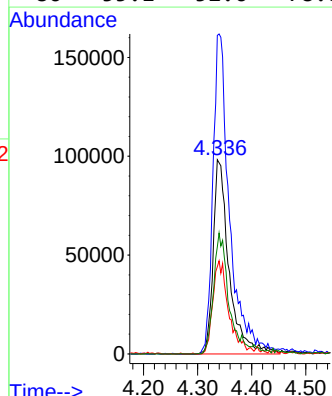
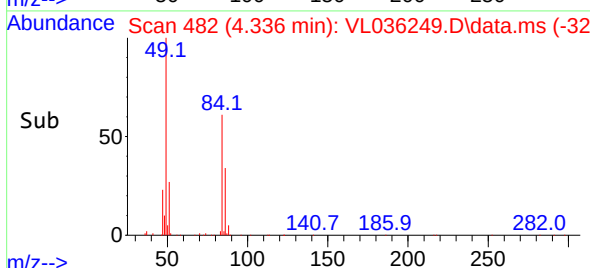
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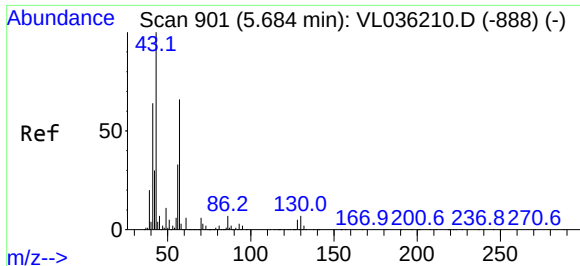


#20
Methylene Chloride
Concen: 3.86 ppbv m
RT: 4.336 min Scan# 482
Delta R.T. -0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34



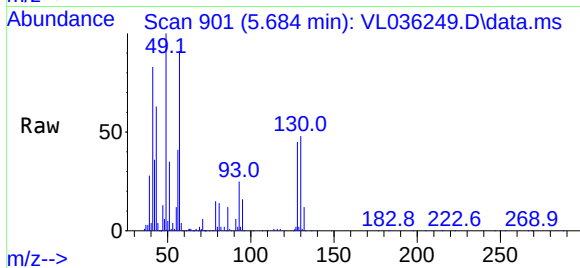
Tgt Ion: 84 Resp: 201092
Ion Ratio Lower Upper
84 100
49 164.0 134.1 201.1
51 44.9 37.4 56.0
86 55.1 52.6 78.8





#26
Hexane
Concen: 2.97 ppbv m
RT: 5.684 min Scan# 901
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

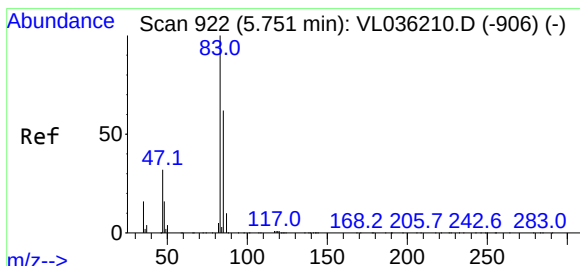
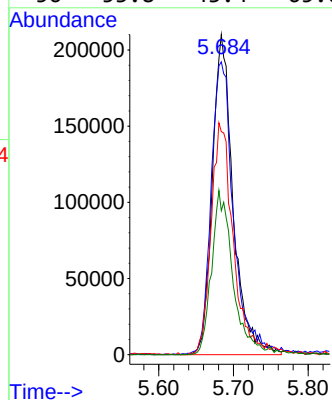
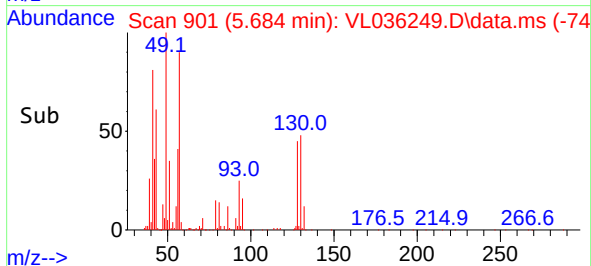
Instrument :
MSVOA_L
ClientSampled :
IA-2



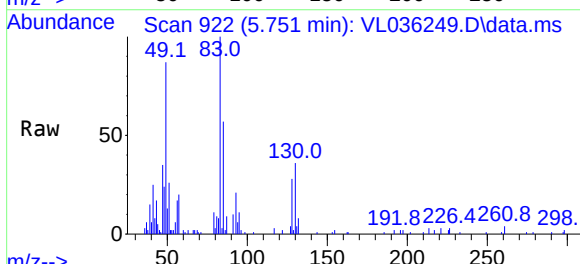
Tgt Ion: 57 Resp: 405590
Ion Ratio Lower Upper
57 100
41 100.8 83.0 124.6
43 79.2 202.4 303.6#
56 53.8 43.4 65.0

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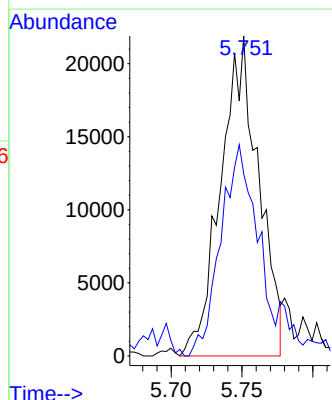
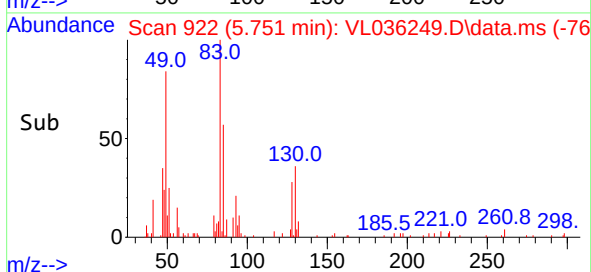
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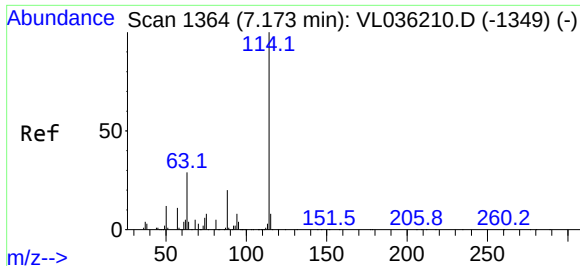


#29
Chloroform
Concen: 0.21 ppbv
RT: 5.751 min Scan# 922
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34



Tgt Ion: 83 Resp: 40897
Ion Ratio Lower Upper
83 100
85 54.8 49.3 73.9





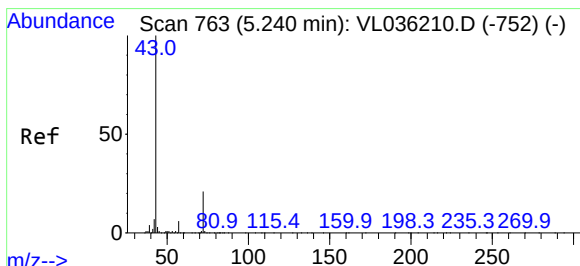
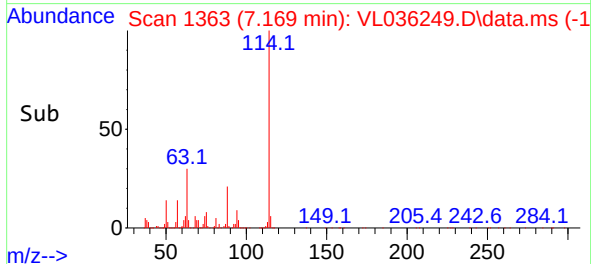
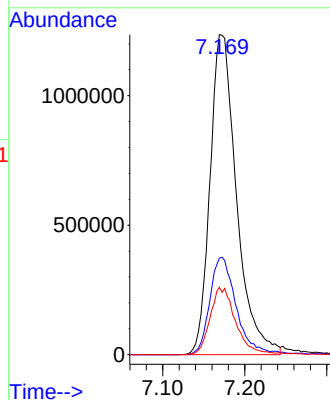
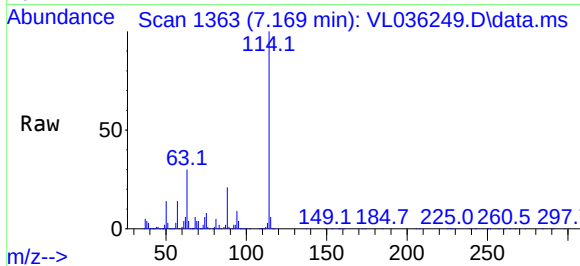
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 114 Resp: 2778995
Ion Ratio Lower Upper
114 100
63 31.0 24.7 37.1
88 20.7 16.6 24.8

Instrument :
MSVOA_L
ClientSampled :
IA-2

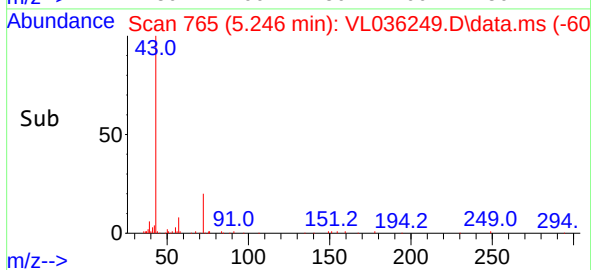
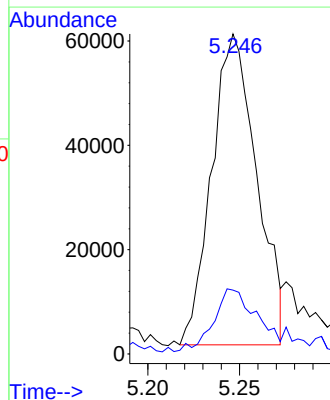
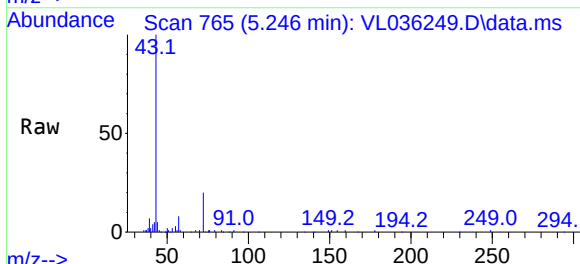
Manual Integrations
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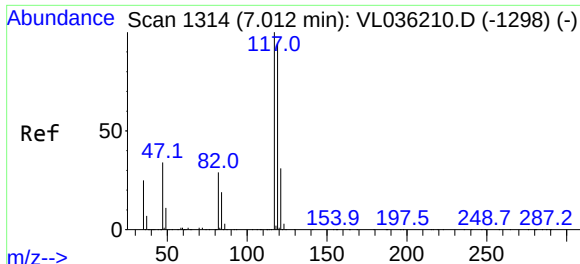
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#34
2-Butanone
Concen: 0.50 ppbv
RT: 5.246 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

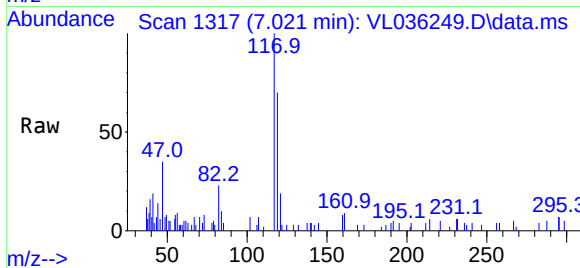
Tgt Ion: 43 Resp: 101825
Ion Ratio Lower Upper
43 100
72 26.9 16.1 24.1#





#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.021 min Scan# 1317
Delta R.T. 0.009 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

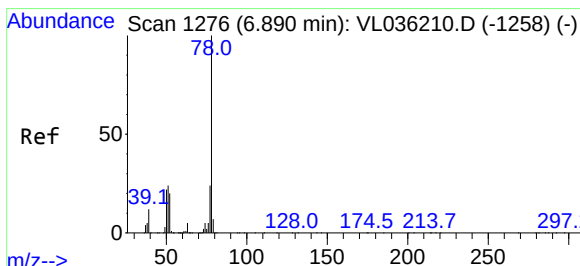
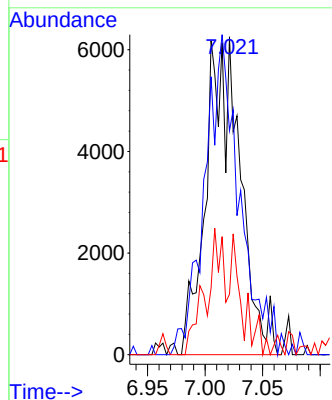
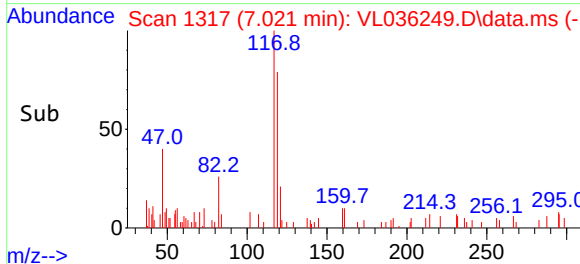
Instrument :
MSVOA_L
ClientSampled :
IA-2



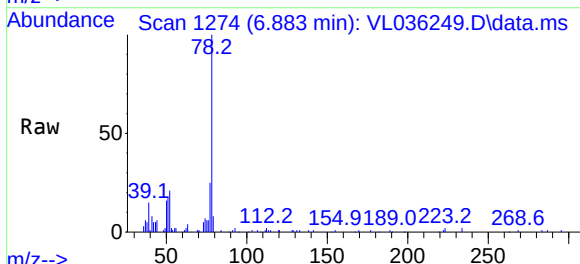
Tgt Ion: 117 Resp: 12971
Ion Ratio Lower Upper
117 100
119 70.4 74.9 112.3#
121 19.0 25.0 37.6#

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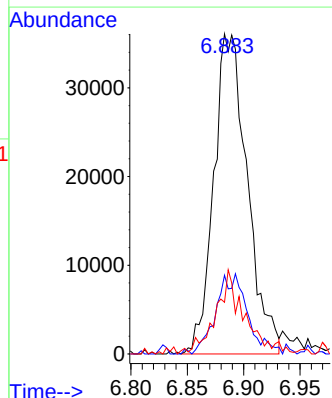
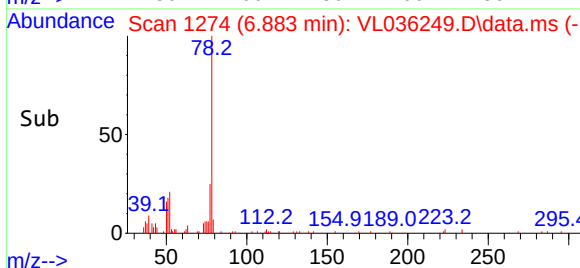
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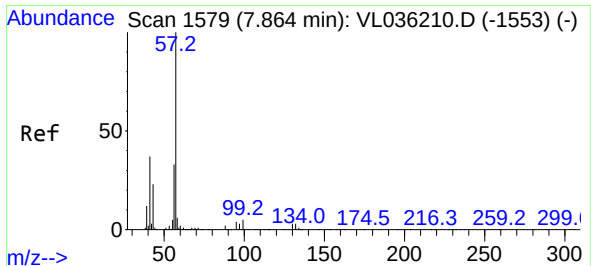


#36
Benzene
Concen: 0.29 ppbv m
RT: 6.883 min Scan# 1274
Delta R.T. -0.007 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34



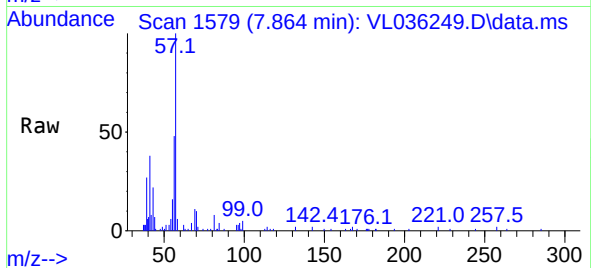
Tgt Ion: 78 Resp: 74536
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0
50 16.2 17.4 26.2#





#44
2,2,4-Trimethylpentane
Concen: 0.12 ppbv m
RT: 7.864 min Scan# 1579
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

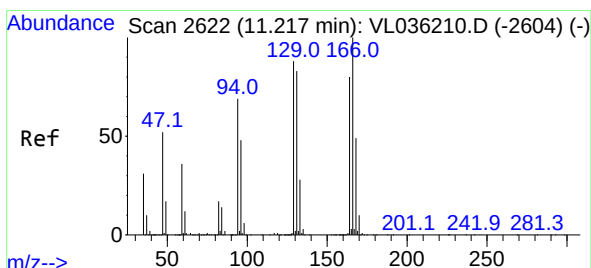
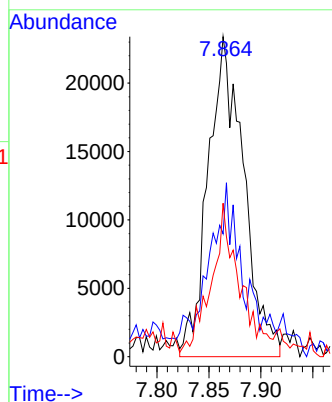
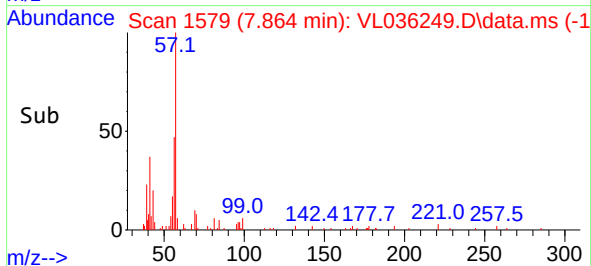
Instrument :
MSVOA_L
ClientSampled :
IA-2



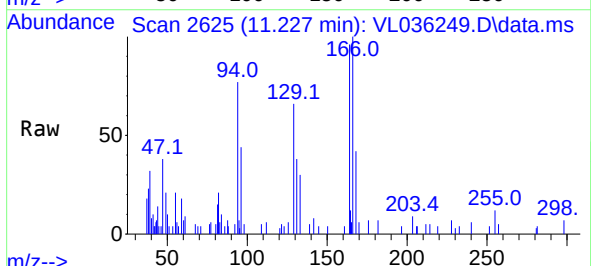
Tgt Ion: 57 Resp: 55602
Ion Ratio Lower Upper
57 100
41 61.9 28.5 42.7#
56 42.5 25.5 38.3#

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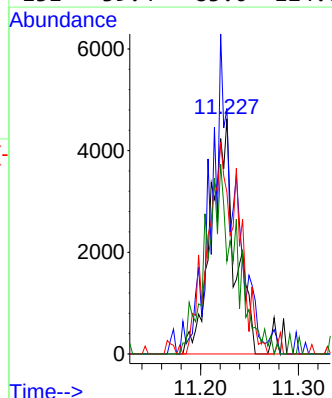
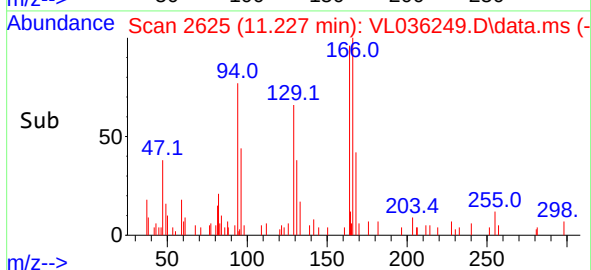
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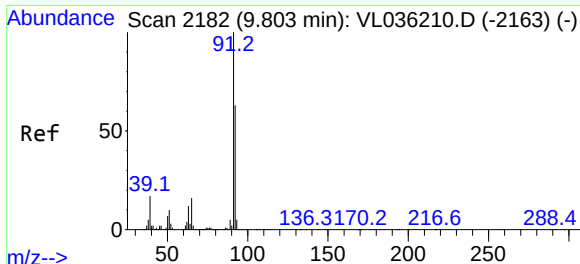


#52
Tetrachloroethene
Concen: 0.09 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. 0.009 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34



Tgt Ion: 164 Resp: 8180
Ion Ratio Lower Upper
164 100
166 104.4 99.9 149.9
129 68.7 88.2 132.4#
131 39.4 83.0 124.6#





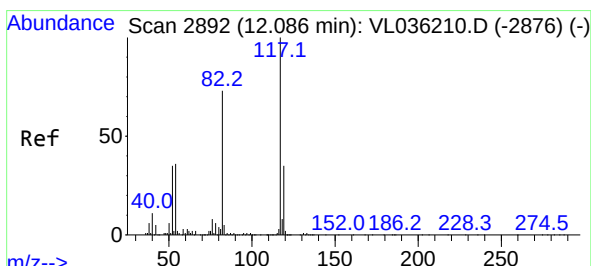
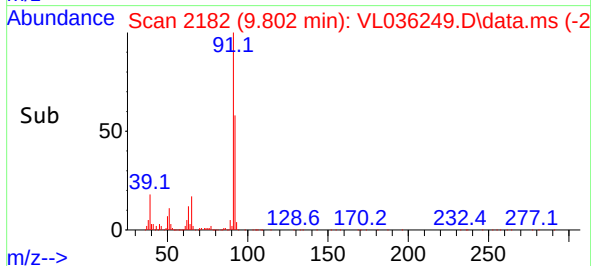
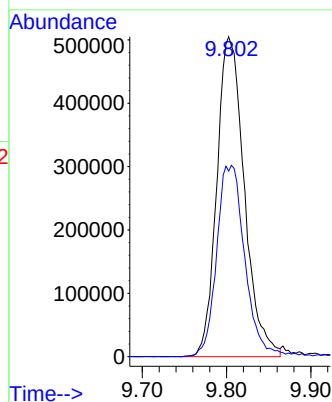
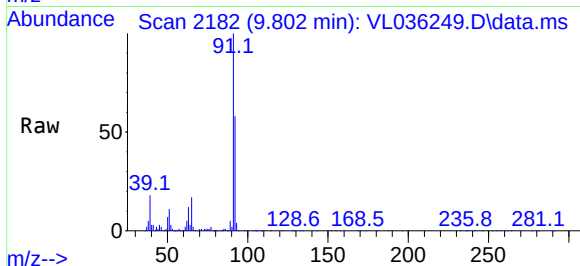
#53
Toluene
Concen: 4.02 ppbv
RT: 9.802 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Instrument :
MSVOA_L
ClientSampled :
IA-2

Tgt Ion: 91 Resp: 1143991
Ion Ratio Lower Upper
91 100
92 61.5 48.5 72.7

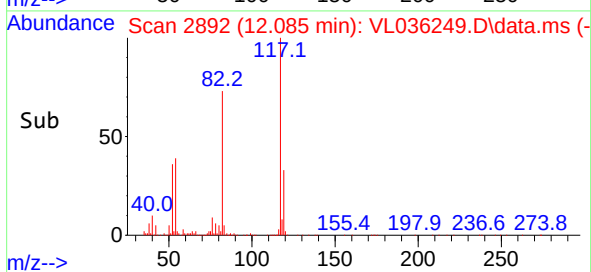
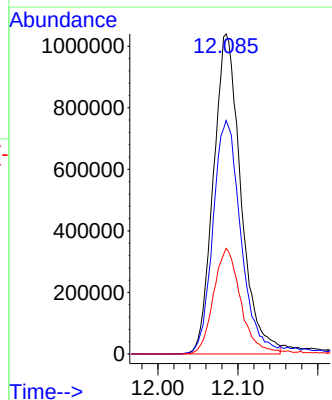
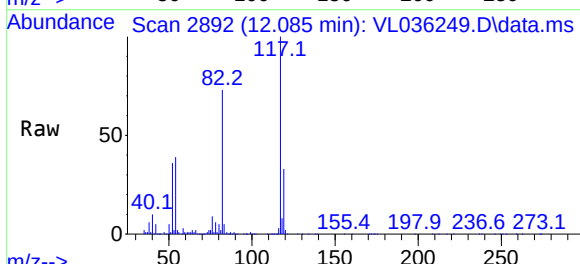
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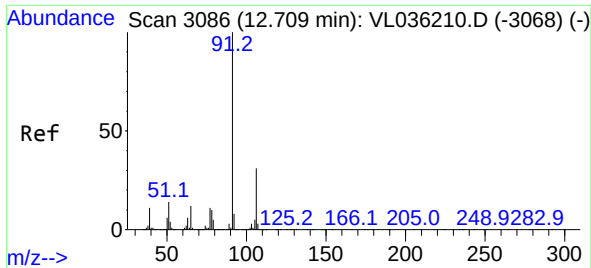
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 117 Resp: 2480282
Ion Ratio Lower Upper
117 100
82 76.6 59.7 89.5
119 33.4 28.6 43.0





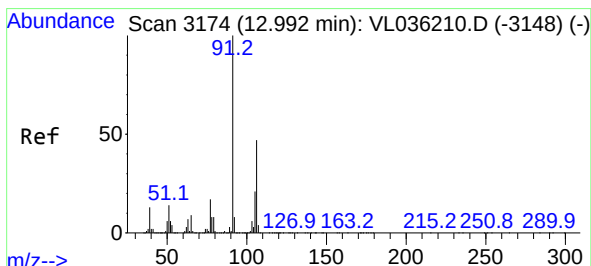
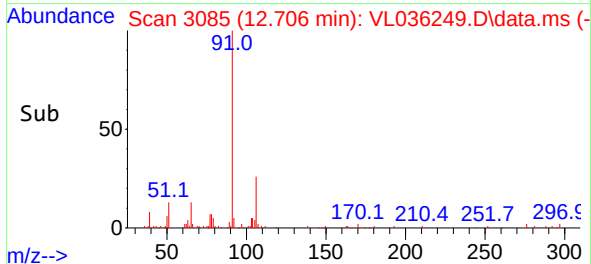
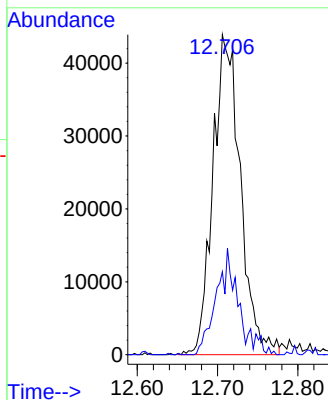
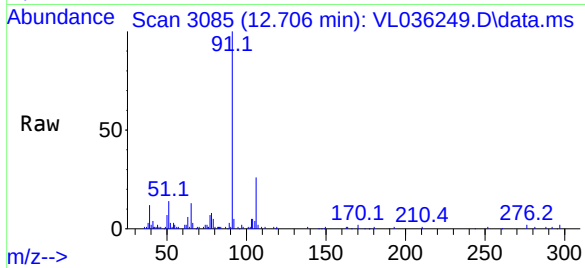
#58
Ethyl Benzene
Concen: 0.28 ppbv m
RT: 12.706 min Scan# 3085
Delta R.T. -0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Instrument :
MSVOA_L
ClientSampled :
IA-2

Tgt Ion: 91 Resp: 104241
Ion Ratio Lower Upper
91 100
106 25.9 24.8 37.2

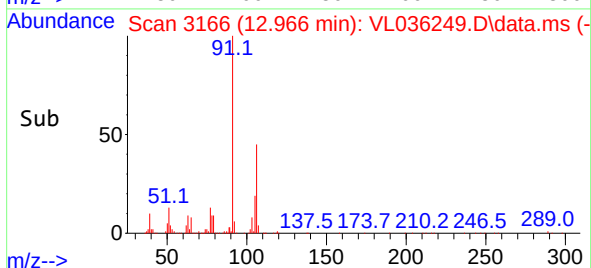
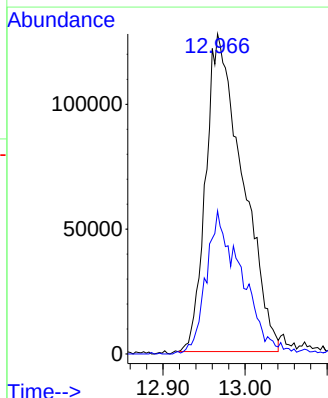
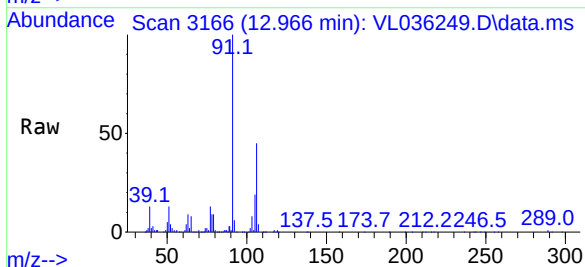
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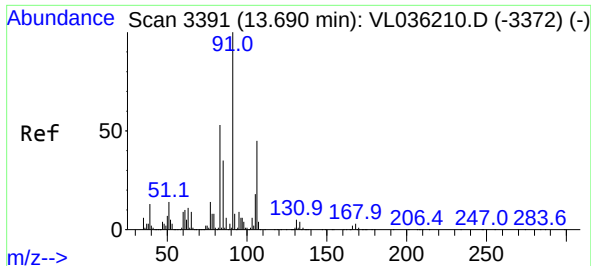
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#59
m/p-Xylene
Concen: 1.26 ppbv
RT: 12.966 min Scan# 3166
Delta R.T. -0.026 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 91 Resp: 397700
Ion Ratio Lower Upper
91 100
106 43.8 34.6 51.8





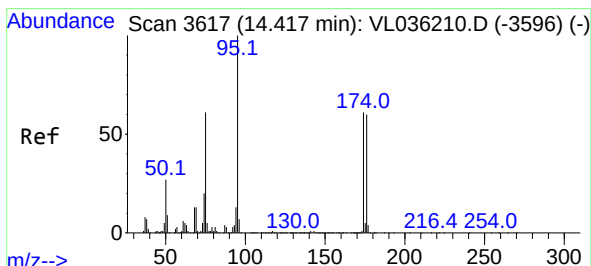
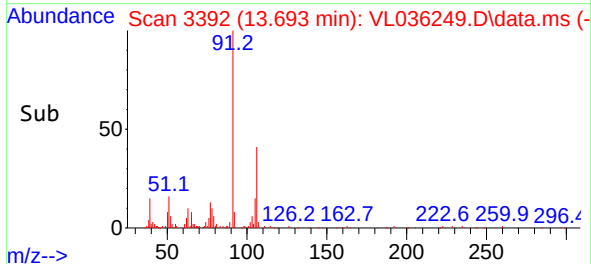
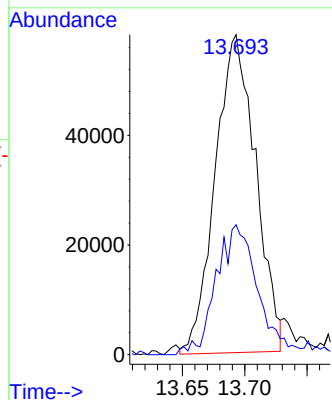
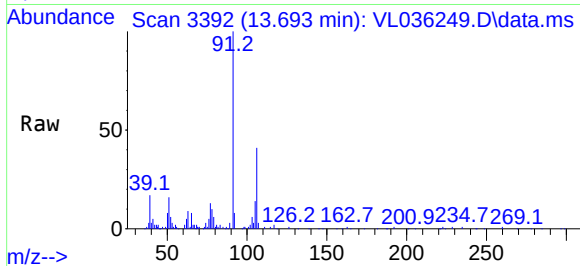
#60
o-Xylene
Concen: 0.43 ppbv
RT: 13.693 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 91 Resp: 130956
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.8

Instrument :
MSVOA_L
ClientSampled :
IA-2

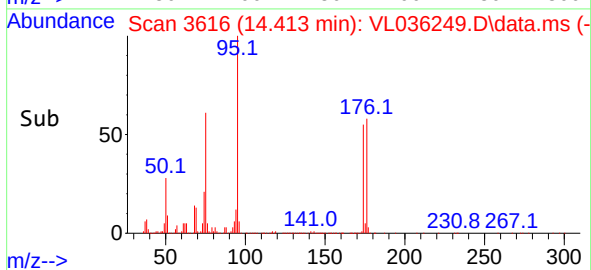
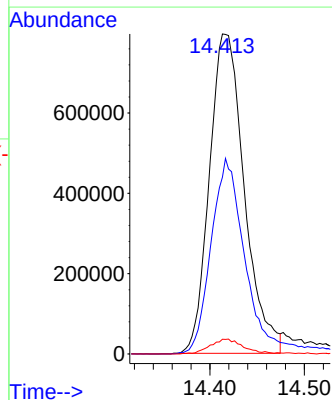
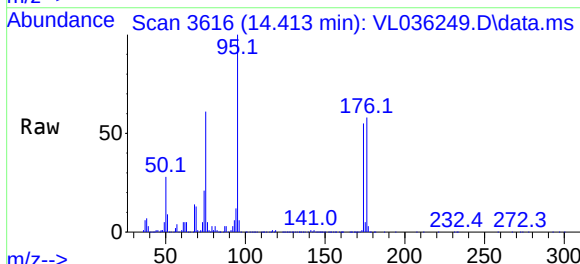
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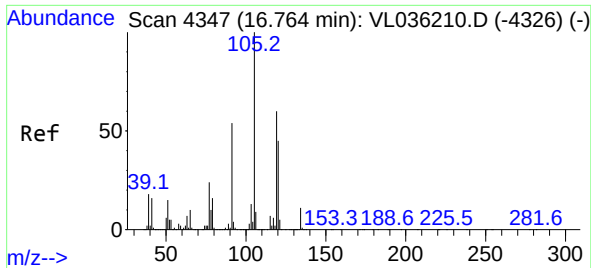
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.94 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. -0.003 min
Lab File: VL036249.D
Acq: 20 Jan 2021 16:34

Tgt Ion: 95 Resp: 2041359
Ion Ratio Lower Upper
95 100
174 61.2 49.4 74.0
175 4.6 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.29 ppbv m
 RT: 16.764 min Scan# 4347
 Delta R.T. -0.000 min
 Lab File: VL036249.D
 Acq: 20 Jan 2021 16:34

Tgt Ion:	105	Resp:	98923
Ion	Ratio	Lower	Upper
105	100		
120	34.9	36.2	54.2#
91	20.4	43.3	64.9#
77	16.2	19.1	28.7#

Instrument :
 MSVOA_L
 ClientSampled :
 IA-2

Manual Integrations
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 1/21/2021 10:36:04 AM

