

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036237.D
 Acq On : 13 Jan 2021 23:04
 Operator : SY/AP
 Sample : M1070-02
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:49:56 PM

Quant Time: Jan 14 16:29:38 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 16:29:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1496123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3074192	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2644515	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2223749	10.16	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	39437	0.197	ppbv #	85
3) Chlorodifluoromethane	2.99	51	101478	0.552	ppbv #	89
4) Chloromethane	3.14	50	46832	0.516	ppbv #	87
9) Propene	3.02	41	117824m	1.347	ppbv	
11) Trichlorofluoromethane	3.95	101	48013m	0.235	ppbv	
13) Ethanol	3.61	45	408191m	29.709	ppbv	
15) Acetone	3.85	43	894080	4.879	ppbv	95
19) Isopropyl Alcohol	3.98	45	166476	1.507	ppbv #	94
20) Methylene Chloride	4.34	84	137028m	2.343	ppbv	
26) Hexane	5.69	57	172907m	1.129	ppbv	
35) Carbon Tetrachloride	7.02	117	15486m	0.080	ppbv	
36) Benzene	6.89	78	94344	0.335	ppbv	96
52) Tetrachloroethene	11.23	164	28409m	0.274	ppbv	
53) Toluene	9.82	91	139066m	0.441	ppbv	
59) m/p-Xylene	12.98	91	66842m	0.198	ppbv	

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

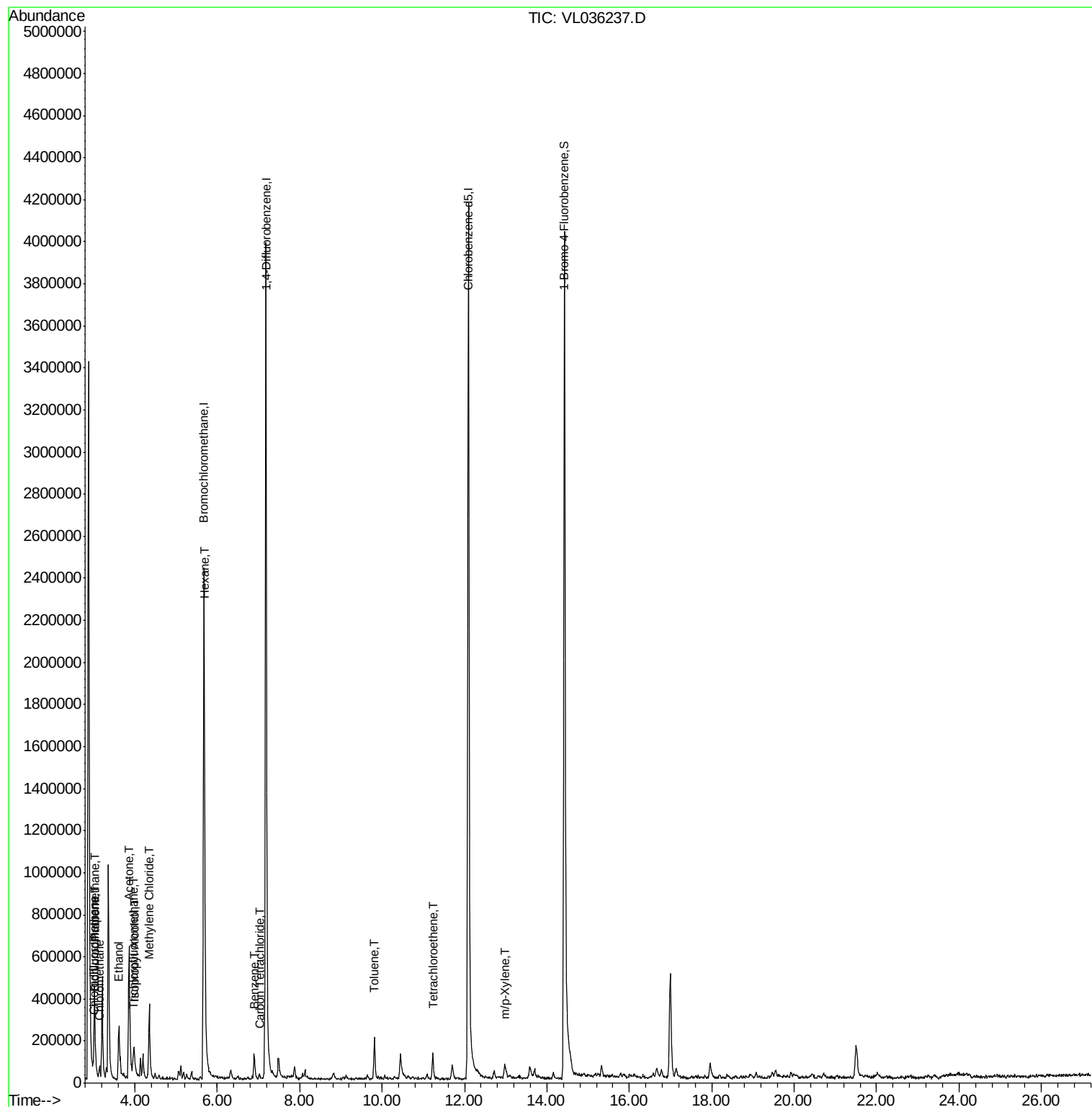
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036237.D
Acq On : 13 Jan 2021 23:04
Operator : SY/AP
Sample : M1070-02
Misc : 400ml/MSVOA L
ALS Vial : 11 Sample Multiplier: 1

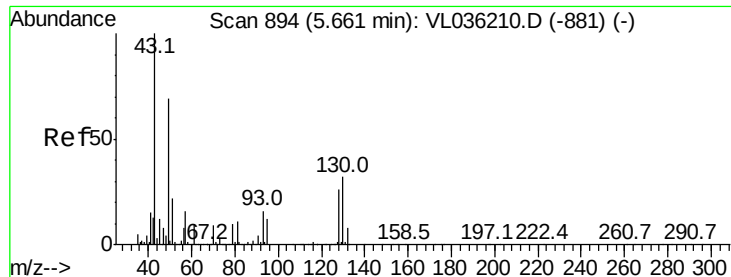
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Quant Time: Jan 14 16:29:38 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

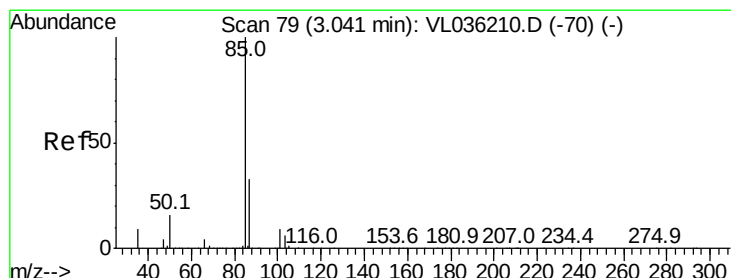
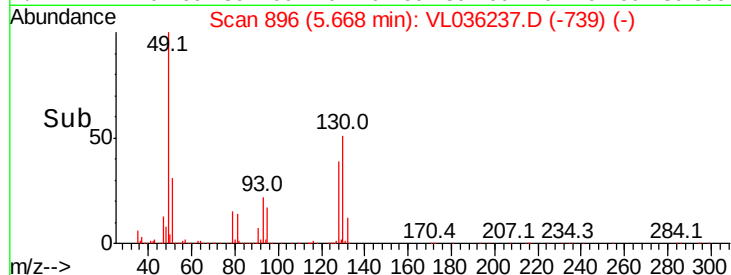
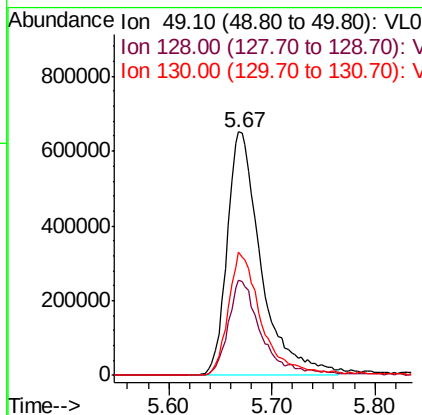
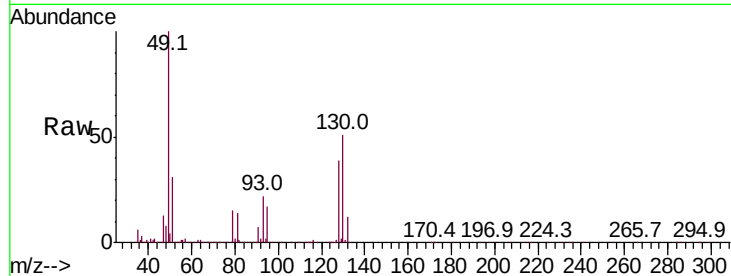
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
49	100		
128	39.3	20.1	60.2
130	50.9	25.3	75.9

Manual Integrations
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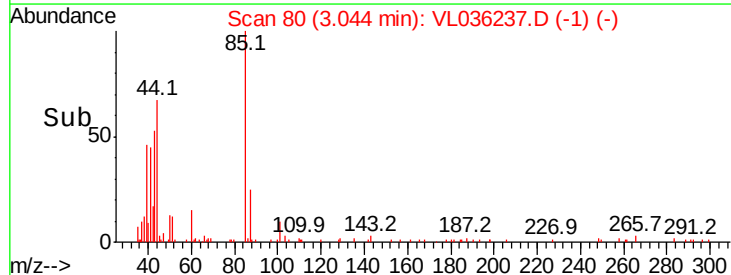
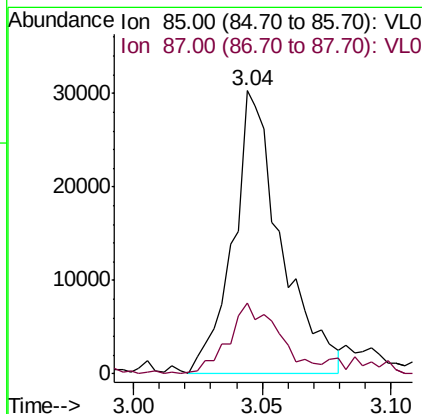
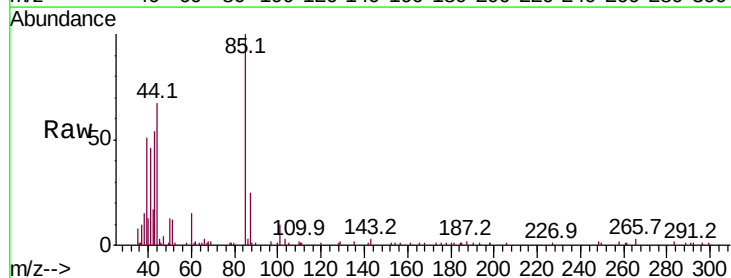
MMDadoda
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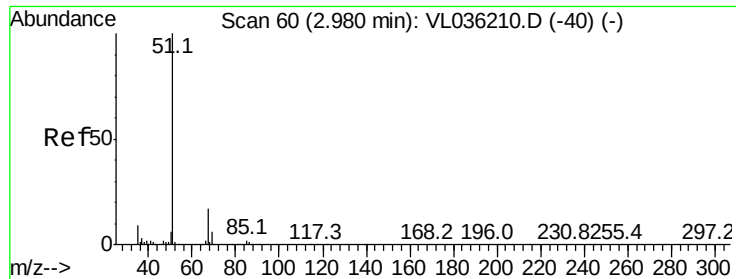


#2

Dichlorodifluoromethane
Concen: 0.197 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.00 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	24.3	26.4	39.6#





#3

Chlorodifluoromethane

Concen: 0.552 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 51 Resp: 101478

Ion Ratio Lower Upper

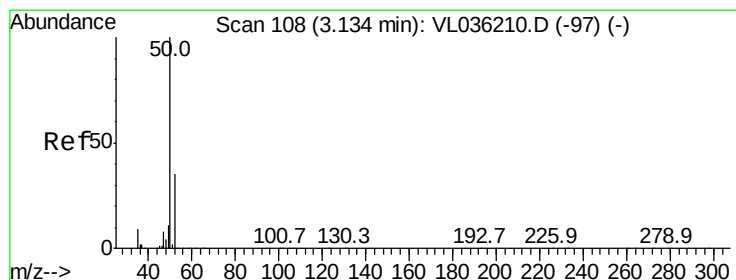
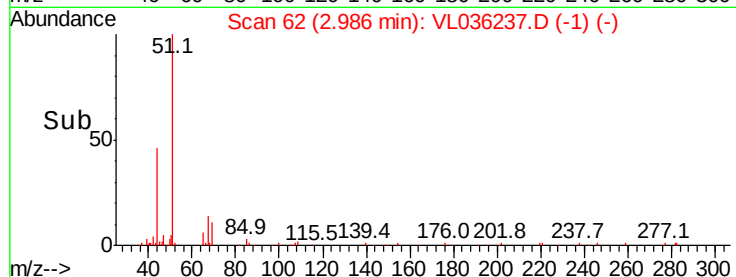
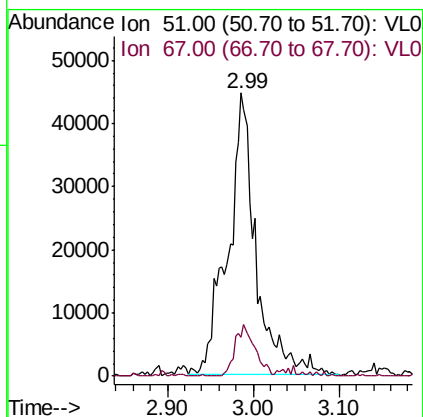
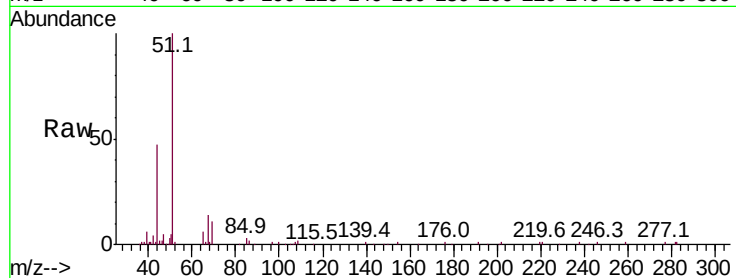
51 100

67 12.8 14.0 21.0#

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#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036237.D

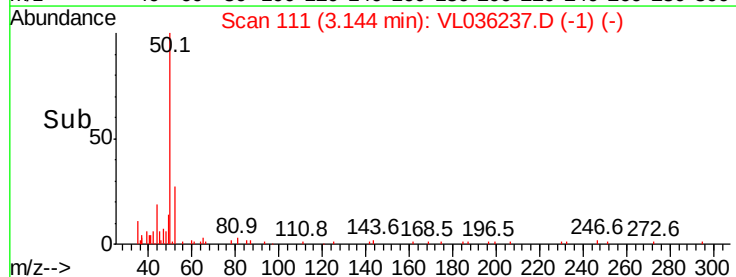
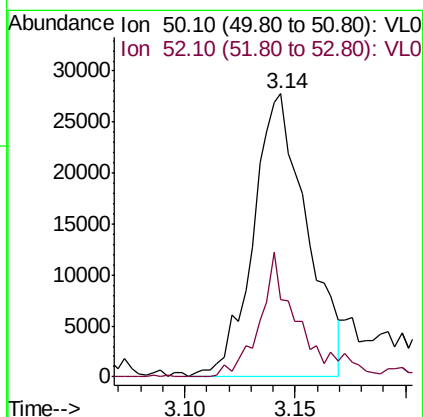
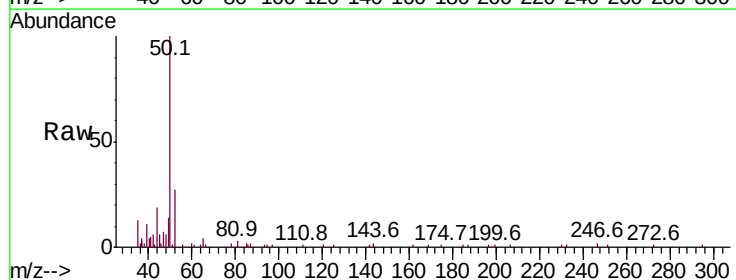
Acq: 13 Jan 2021 23:04

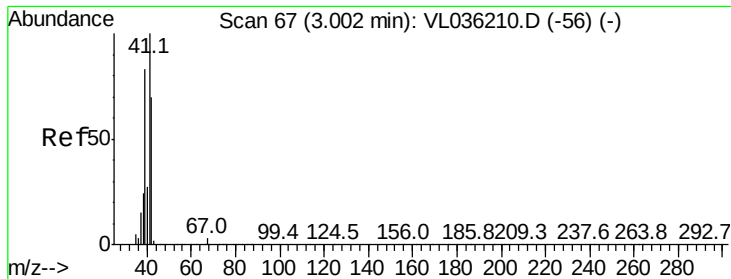
Tgt Ion: 50 Resp: 46832

Ion Ratio Lower Upper

50 100

52 27.3 27.8 41.8#





#9

Propene

Concen: 1.347 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 41 Resp: 117824

Ion Ratio Lower Upper

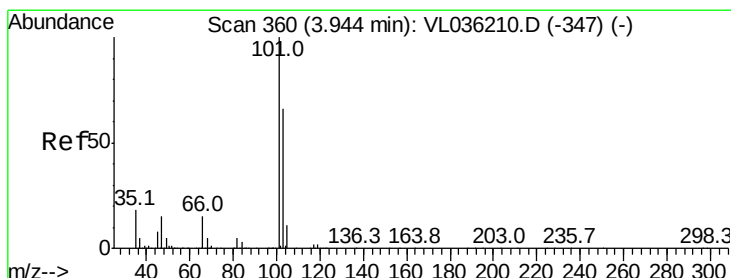
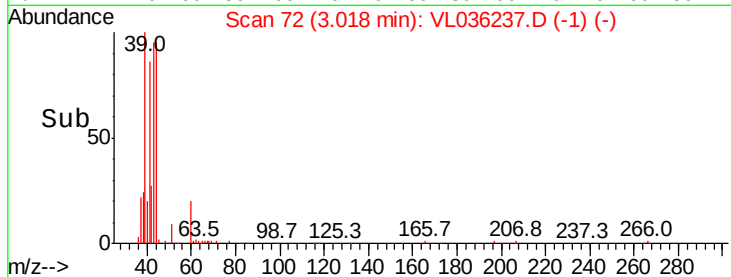
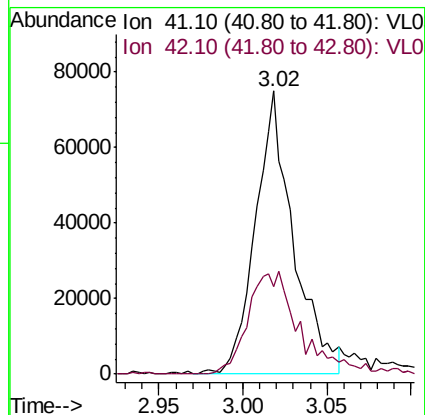
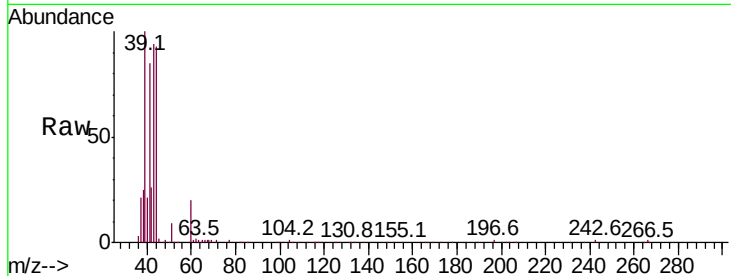
41 100

42 95.3 57.1 85.7#

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#11

Trichlorofluoromethane

Concen: 0.235 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036237.D

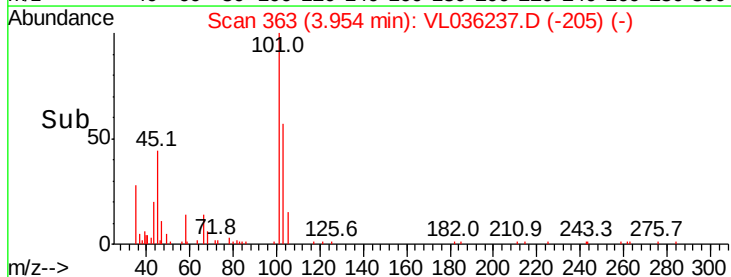
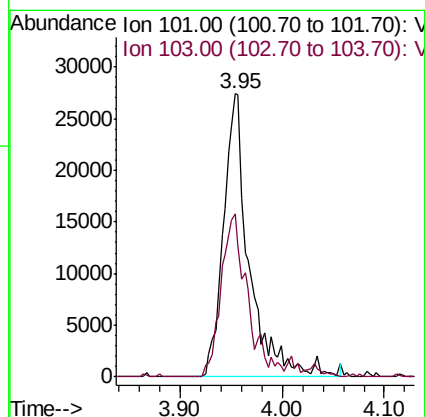
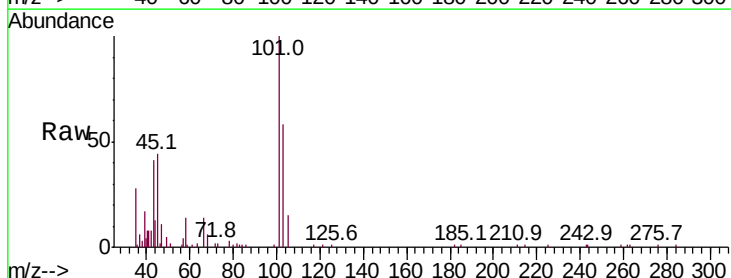
Acq: 13 Jan 2021 23:04

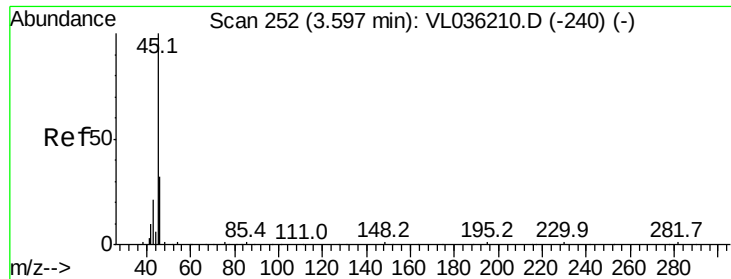
Tgt Ion: 101 Resp: 48013

Ion Ratio Lower Upper

101 100

103 57.5 52.6 78.8





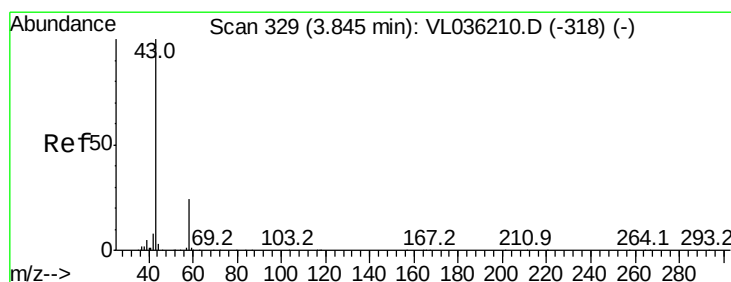
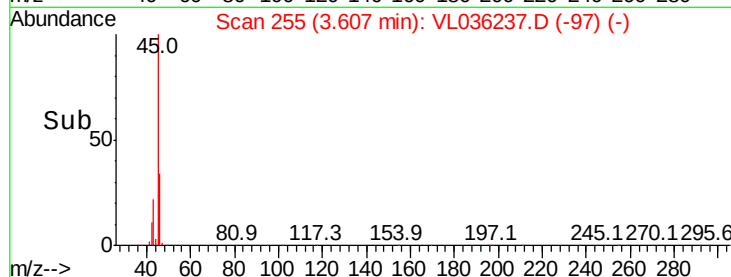
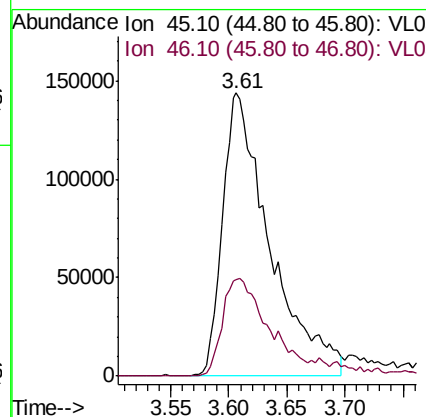
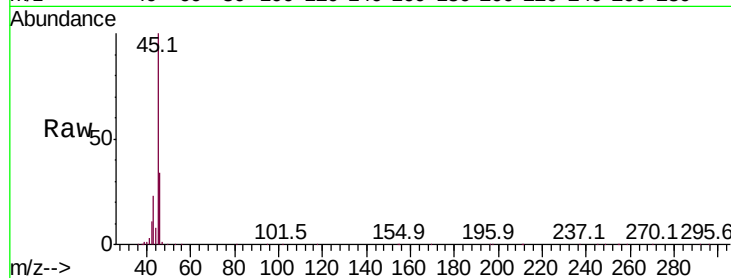
#13
Ethanol
Concen: 29.709 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion: 45 Resp: 408191
Ion Ratio Lower Upper
45 100
46 40.0 19.2 77.0

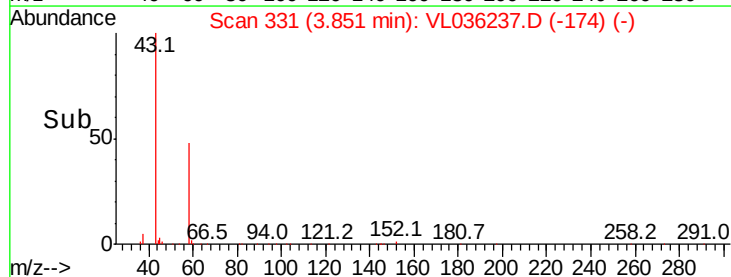
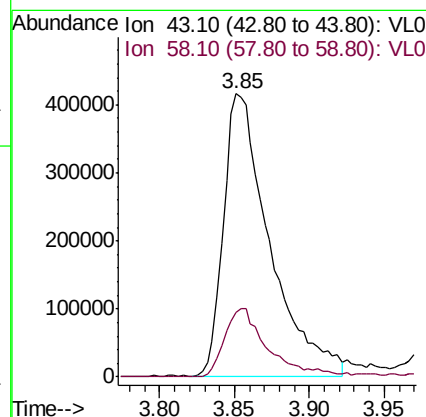
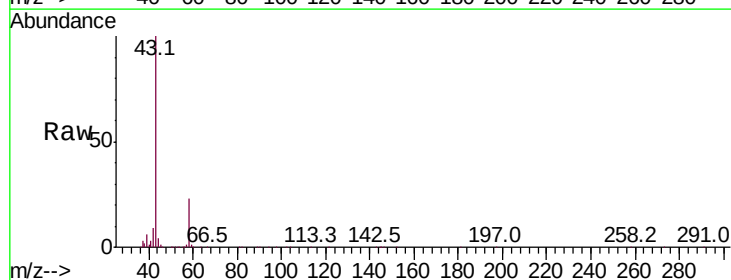
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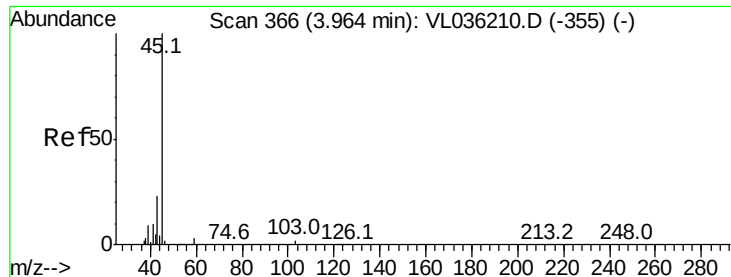
MMDadoda
1/18/2021 3:49:56 PM



#15
Acetone
Concen: 4.879 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Tgt Ion: 43 Resp: 894080
Ion Ratio Lower Upper
43 100
58 23.4 20.9 31.3





#19

Isopropyl Alcohol

Concen: 1.507 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 45 Resp: 166476

Ion Ratio Lower Upper

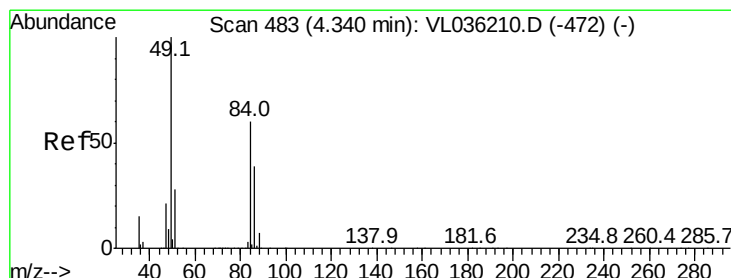
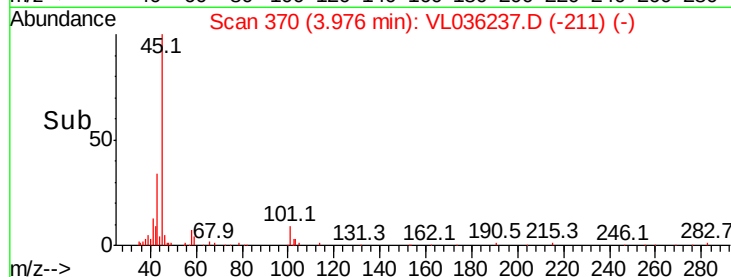
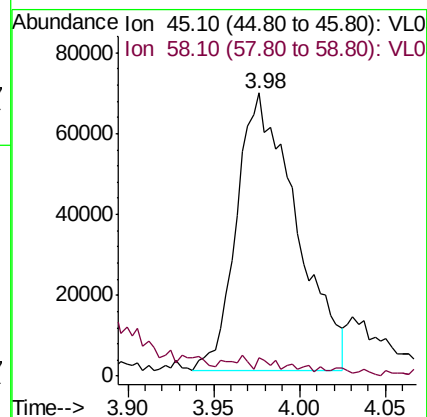
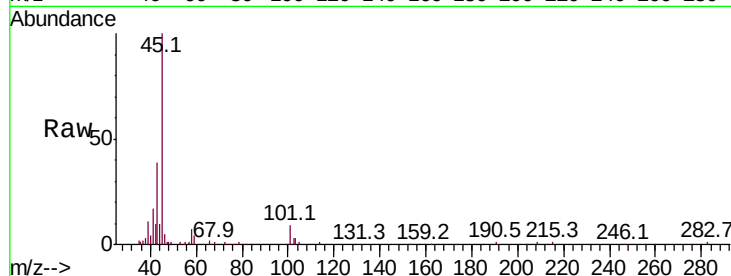
45 100

58 4.4 1.9 2.9#

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#20

Methylene Chloride

Concen: 2.343 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Tgt Ion: 84 Resp: 137028

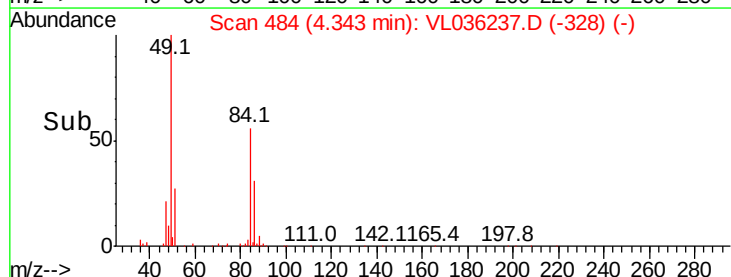
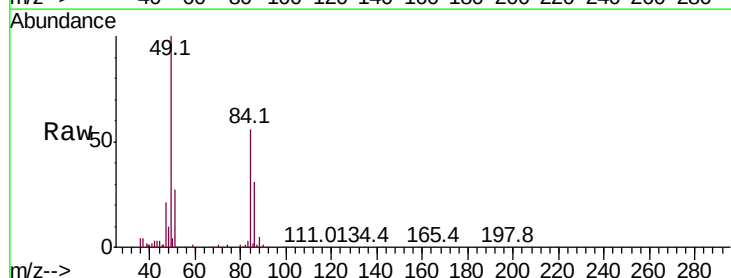
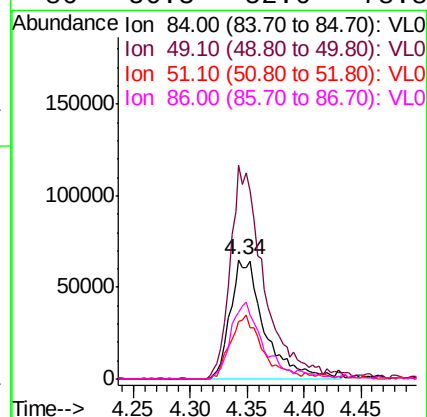
Ion Ratio Lower Upper

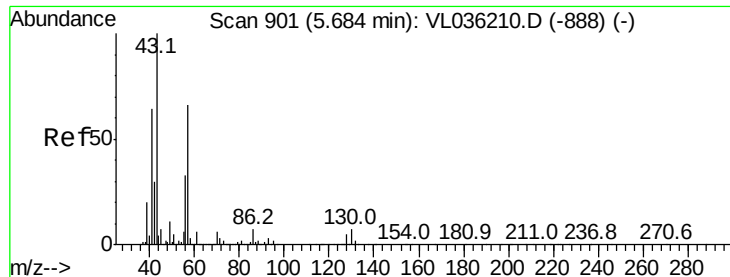
84 100

49 179.4 134.1 201.1

51 47.9 37.4 56.0

86 56.3 52.6 78.8





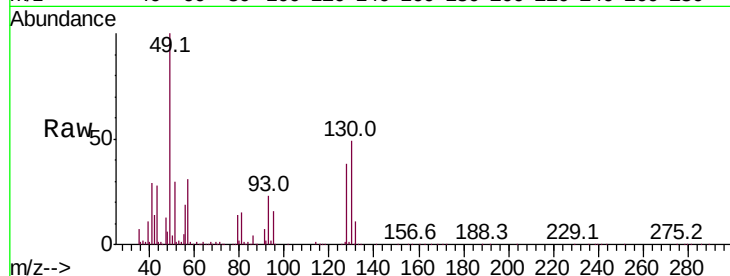
#26
Hexane
Concen: 1.129 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.8	83.0	124.6
43	95.1	202.4	303.6#
56	58.4	43.4	65.0

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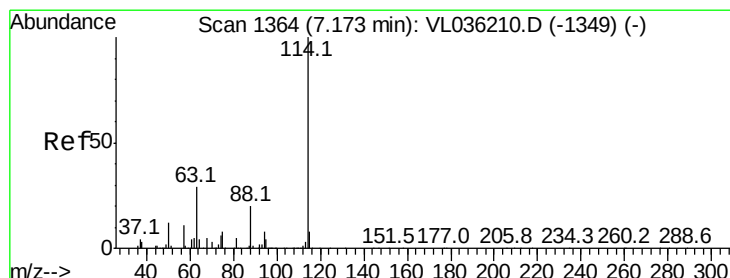
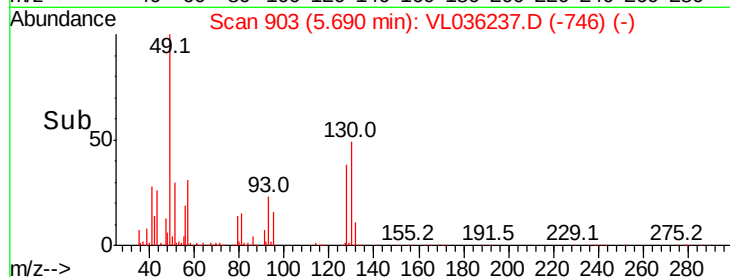
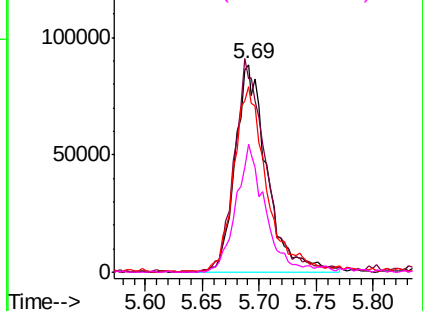
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

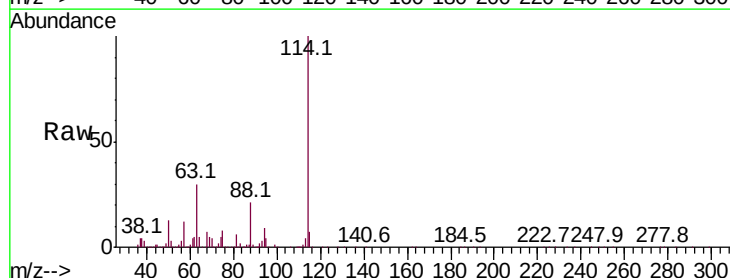
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.2	24.7	37.1
88	20.4	16.6	24.8

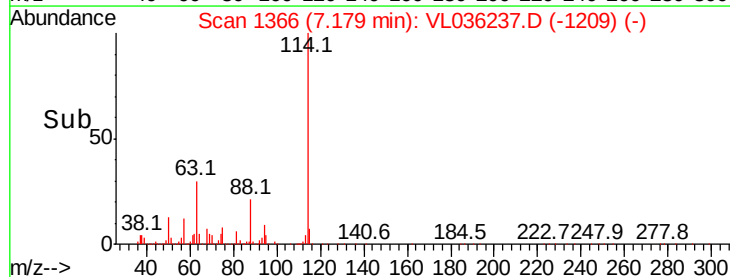
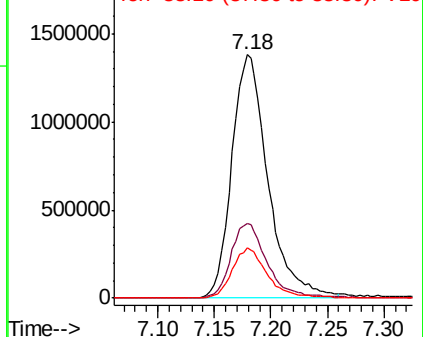


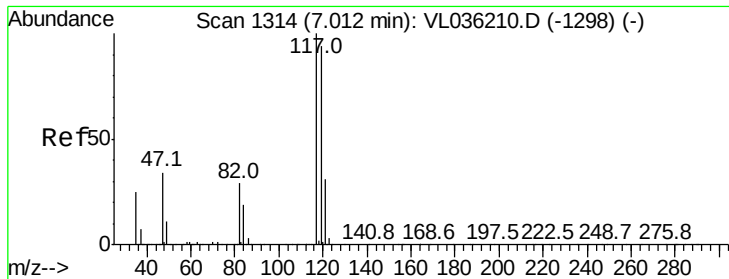
Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.080 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

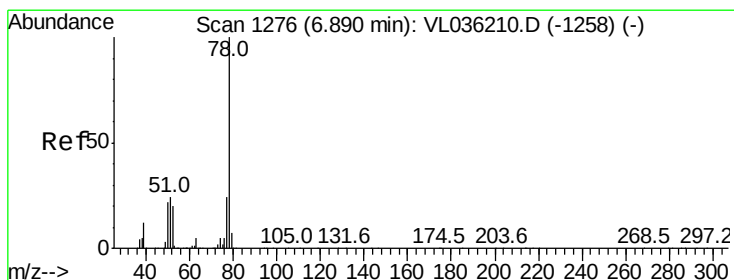
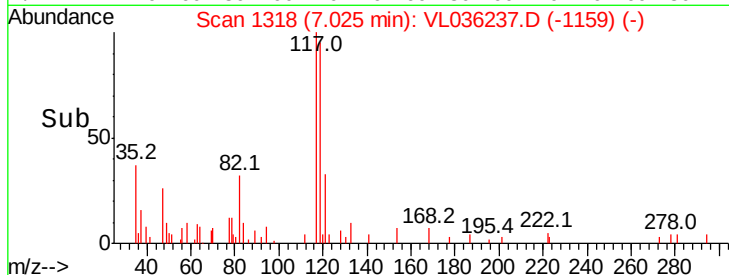
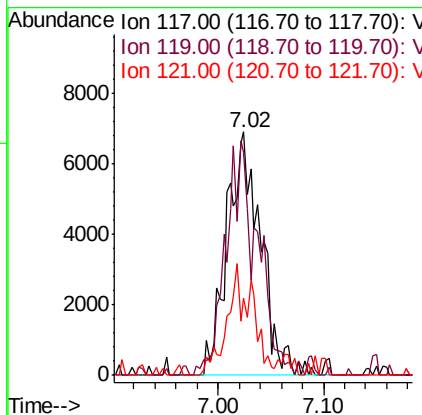
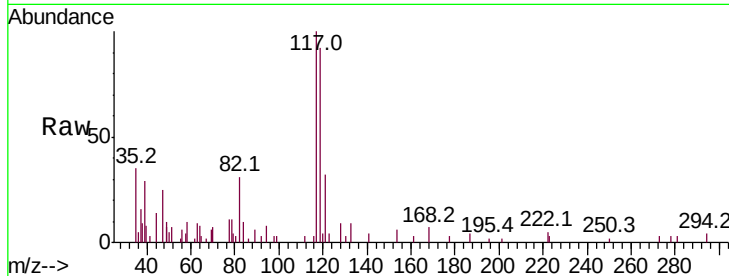
ClientSampleId :

IA2

Tot Ion:	117	Resp:	15486
Ion Ratio	Lower	Upper	
117	100		
119	91.8	74.9	112.3
121	32.0	25.0	37.6

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#36

Benzene

Concen: 0.335 ppbv

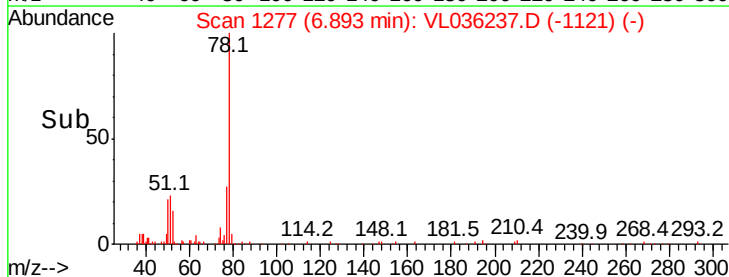
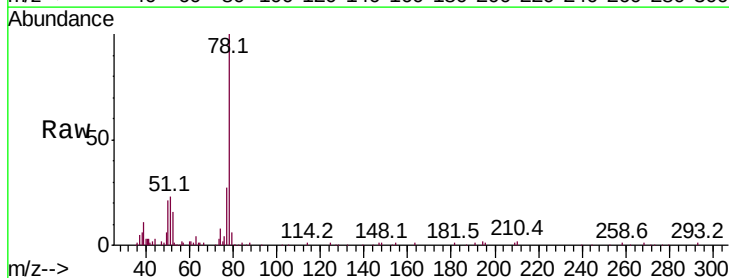
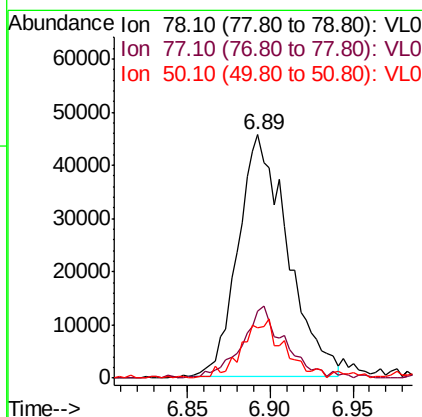
RT: 6.89 min Scan# 1277

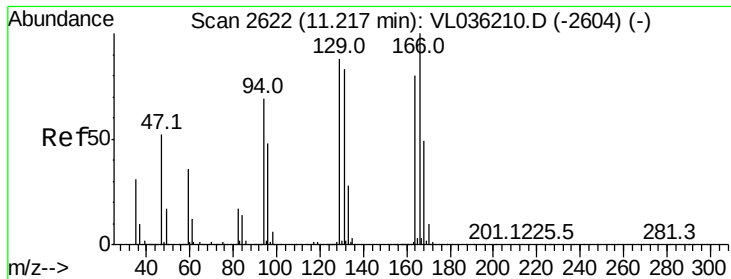
Delta R.T. 0.00 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Tgt Ion:	78	Resp:	94344
Ion Ratio	Lower	Upper	
78	100		
77	26.8	19.4	29.0
50	21.1	17.4	26.2





#52

Tetrachloroethene

Concen: 0.274 ppbv m

RT: 11.23 min Scan# 2627

Delta R.T. 0.02 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion:164 Resp: 28409

Ion Ratio Lower Upper

164 100

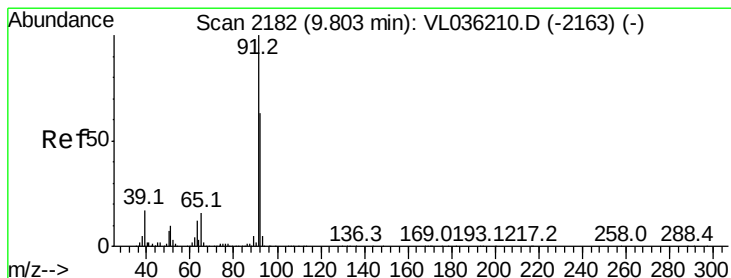
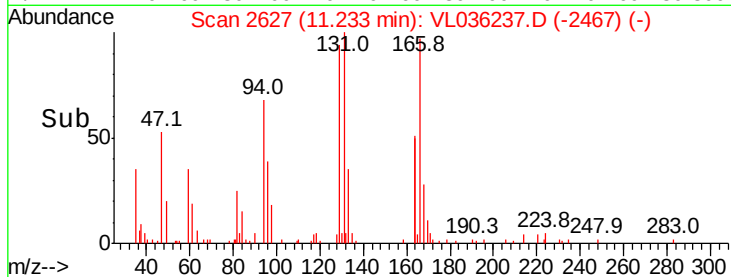
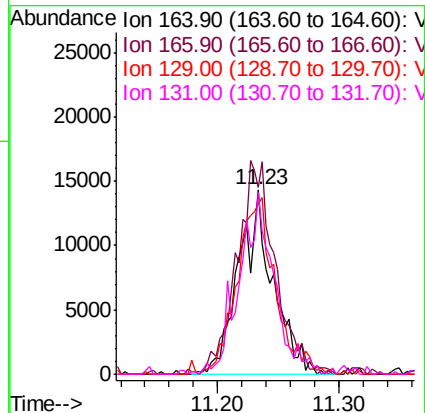
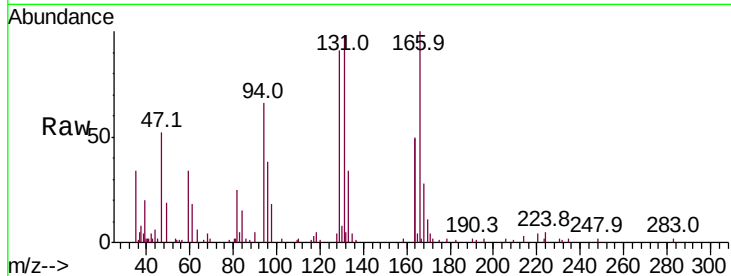
166 200.0 99.9 149.9#

129 182.8 88.2 132.4#

131 195.1 83.0 124.6#

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#53

Toluene

Concen: 0.441 ppbv m

RT: 9.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL036237.D

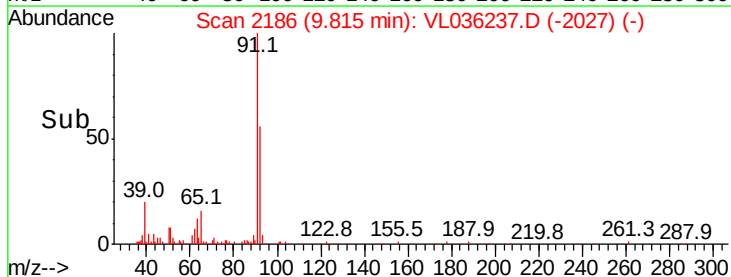
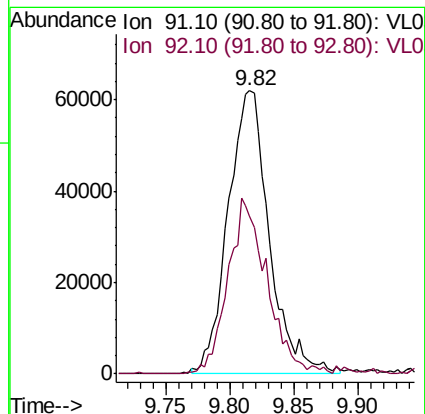
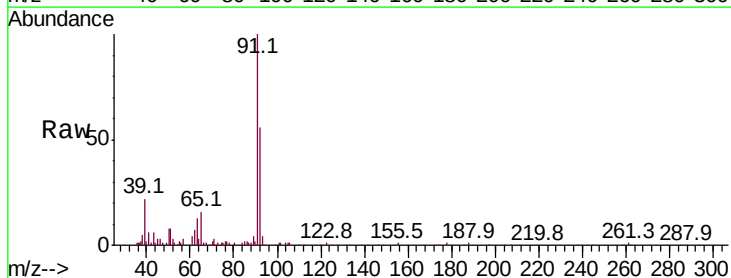
Acq: 13 Jan 2021 23:04

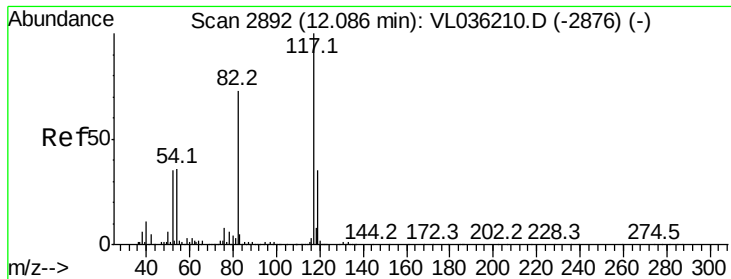
Tgt Ion: 91 Resp: 139066

Ion Ratio Lower Upper

91 100

92 58.7 48.5 72.7





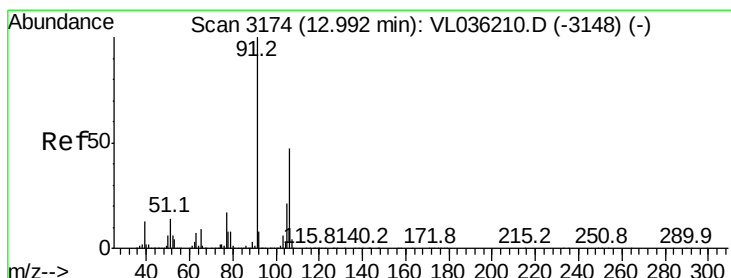
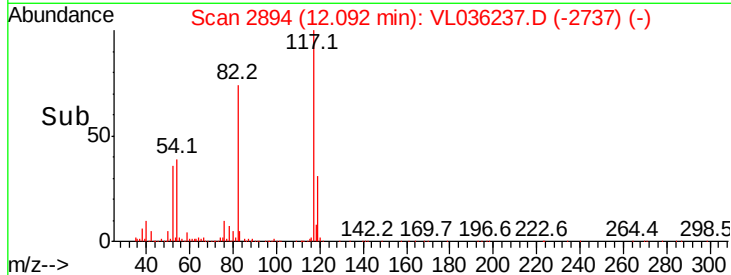
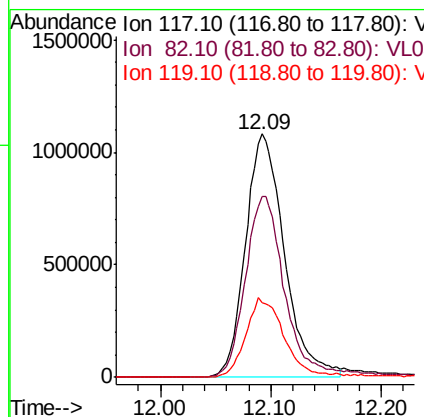
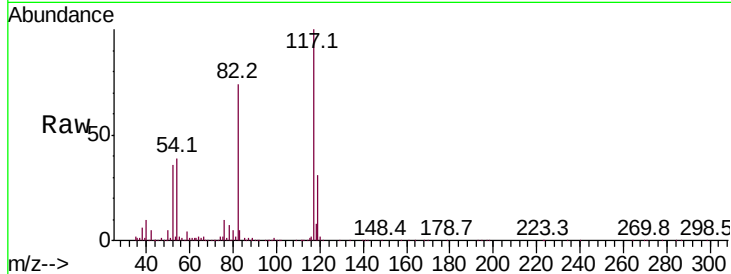
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
117	100		
82	78.2	59.7	89.5
119	33.5	28.6	43.0

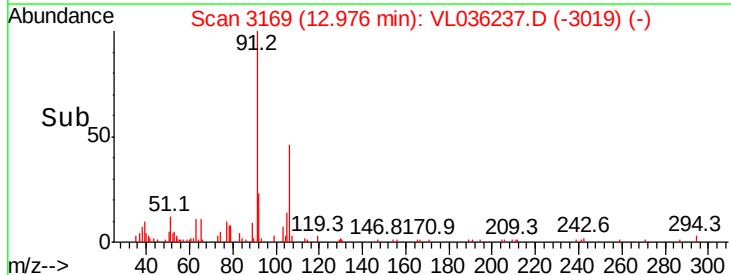
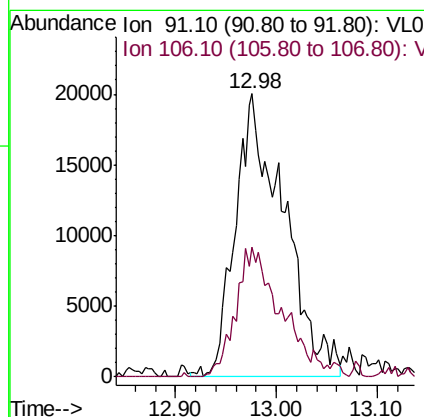
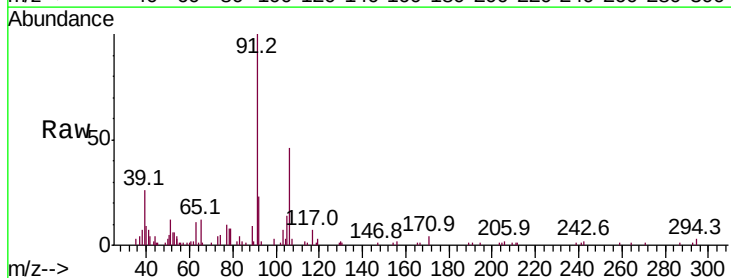
Manual Integrations
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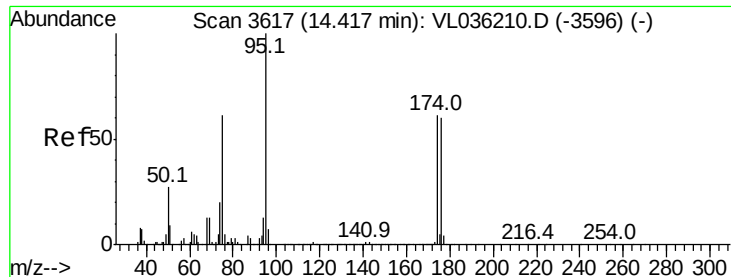
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#59
m/p-Xylene
Concen: 0.198 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.02 min
Lab File: VL036237.D
Acq: 13 Jan 2021 23:04

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





#68

1-Bromo-4-Fluorobenzene

Concen: 10.159 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.01 min

Lab File: VL036237.D

Acq: 13 Jan 2021 23:04

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 95 Resp: 2223749

Ion Ratio Lower Upper

95 100

174 61.9 49.4 74.0

175 4.6 3.8 5.8

Manual Integrations
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MMDadoda
1/18/2021 3:49:56 PM

