

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036204.D
 Acq On : 23 Dec 2020 22:51
 Operator : SY/AP
 Sample : L5196-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1

Manual Integrations
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 12/26/2020 1:36:51 PM

Quant Time: Dec 25 23:50:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1298160	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2560199	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.07	117	2254282	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2023886	11.31	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	51255m	0.339	ppbv	
3) Chlorodifluoromethane	2.97	51	152735	1.031	ppbv	92
4) Chloromethane	3.12	50	39256m	0.540	ppbv	
9) Propene	3.00	41	132695m	1.788	ppbv	
10) Heptane	8.09	43	42953m	0.227	ppbv	
11) Trichlorofluoromethane	3.93	101	65842	0.370	ppbv	86
13) Ethanol	3.59	45	438542m	42.875	ppbv	
15) Acetone	3.83	43	621123m	3.981	ppbv	
19) Isopropyl Alcohol	3.95	45	187617m	1.967	ppbv	
20) Methylene Chloride	4.32	84	213195	3.335	ppbv	86
26) Hexane	5.66	57	706728	5.038	ppbv #	39
34) 2-Butanone	5.23	43	79354m	0.467	ppbv	
35) Carbon Tetrachloride	7.00	117	11913m	0.080	ppbv	
36) Benzene	6.86	78	110129m	0.508	ppbv	
44) 2,2,4-Trimethylpentane	7.84	57	109055m	0.278	ppbv	
53) Toluene	9.78	91	294243	1.208	ppbv	99
58) Ethyl Benzene	12.68	91	48209m	0.156	ppbv	
59) m/p-Xylene	12.95	91	125464m	0.482	ppbv	
60) o-Xylene	13.67	91	47722m	0.195	ppbv	

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

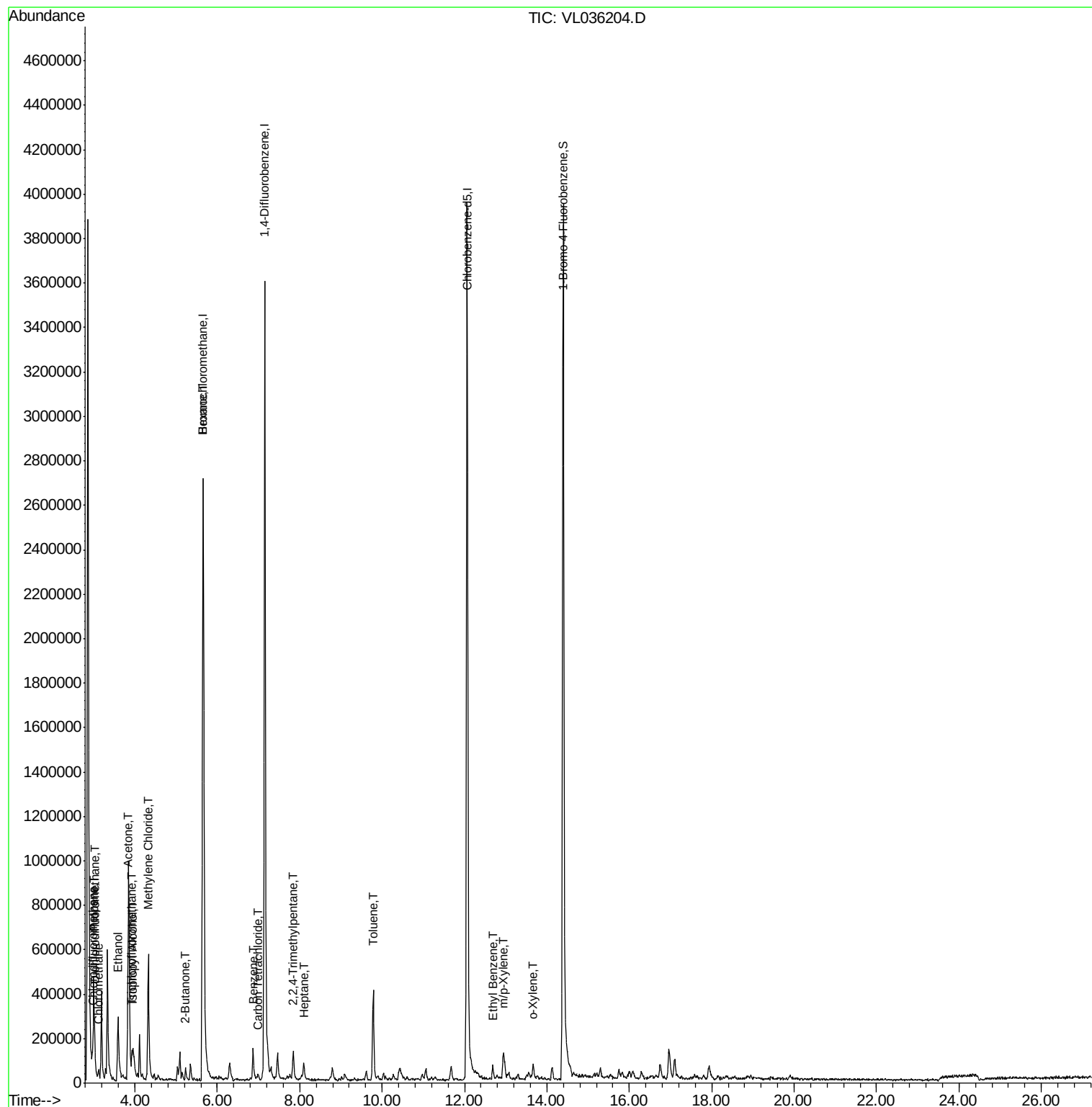
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122320\
Data File : VL036204.D
Acq On : 23 Dec 2020 22:51
Operator : SY/AP
Sample : L5196-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

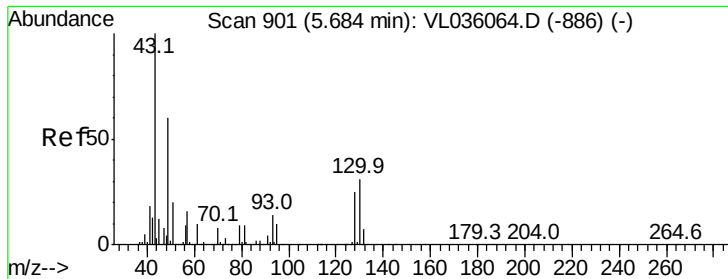
Instrument :
MSVOA_L
ClientSampleId :
IIA1

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Quant Time: Dec 25 23:50:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

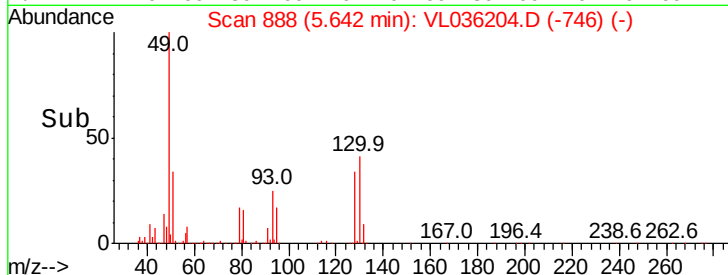
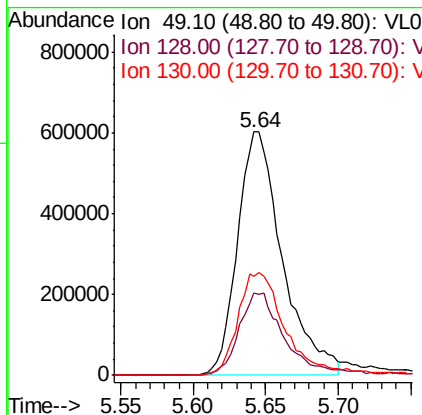
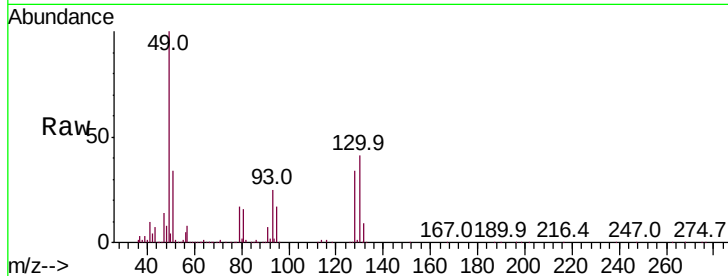
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.04 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.0	21.1	63.1
130	46.5	27.1	81.3

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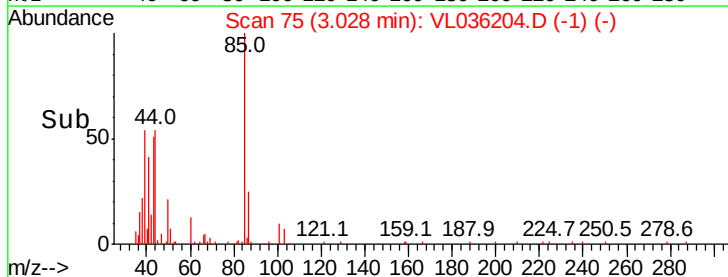
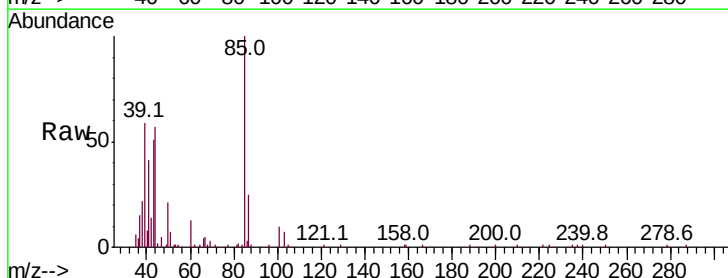
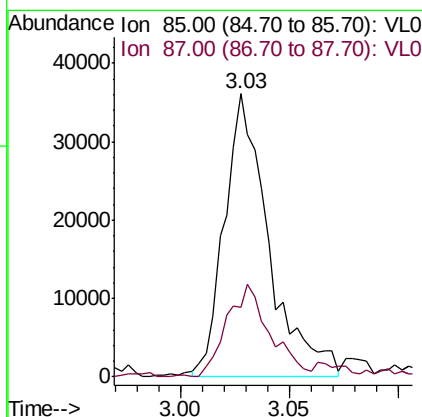
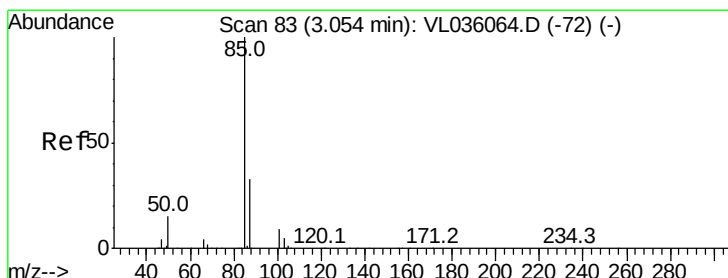
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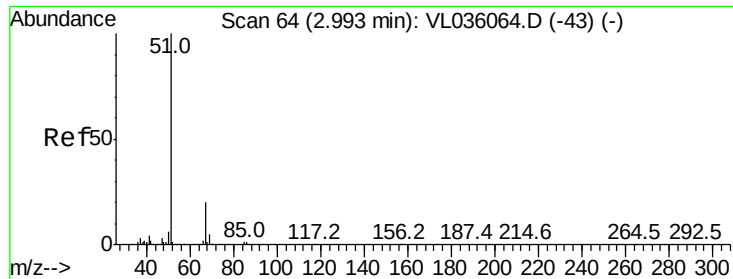


#2

Dichlorodifluoromethane
 Concen: 0.339 ppbv m
 RT: 3.03 min Scan# 75
 Delta R.T. -0.03 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	24.7	26.5	39.7#





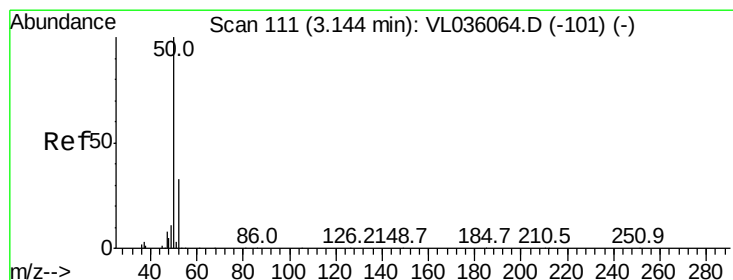
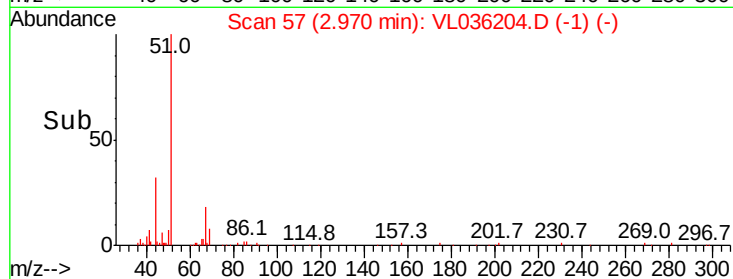
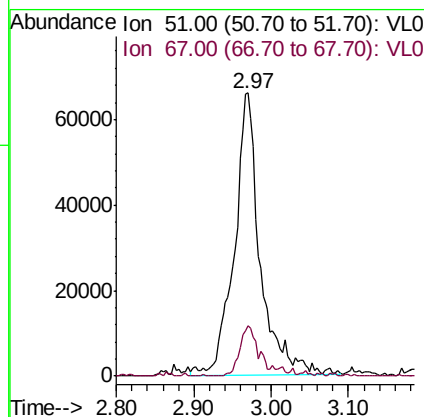
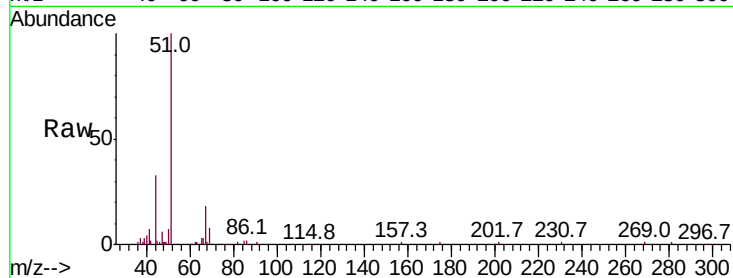
#3
 Chlorodifluoromethane
 Concen: 1.031 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.02 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1

Tot Ion	Ratio	Lower	Upper
51	100		
67	14.4	14.3	21.5

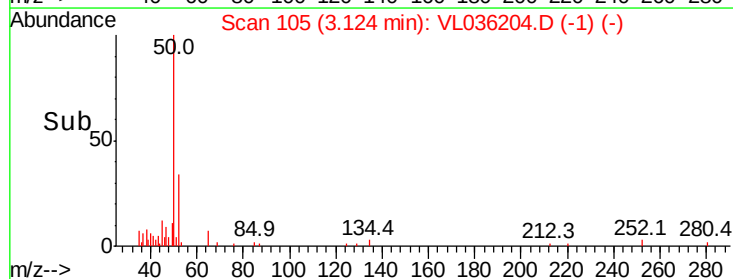
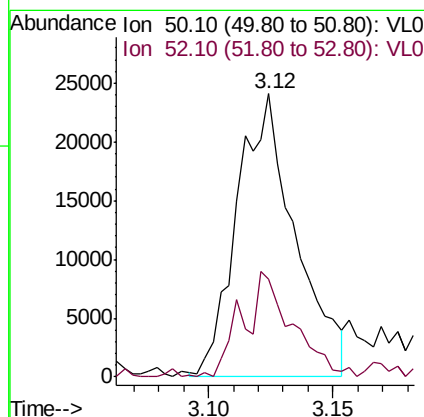
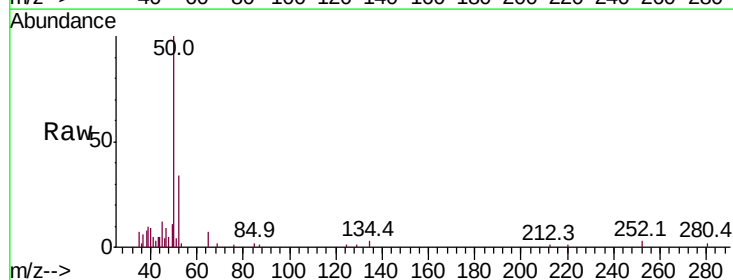
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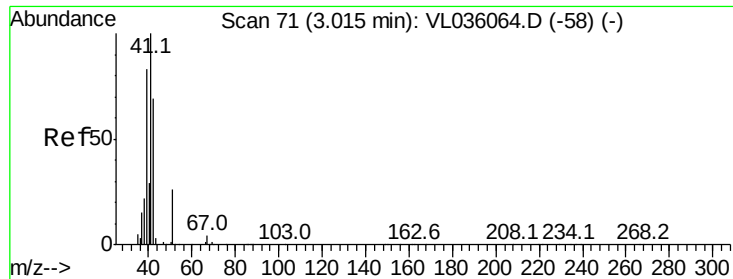
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#4
 Chloromethane
 Concen: 0.540 ppbv m
 RT: 3.12 min Scan# 105
 Delta R.T. -0.02 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.1	39.1





#9

Propene

Concen: 1.788 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Instrument :

MSVOA_L

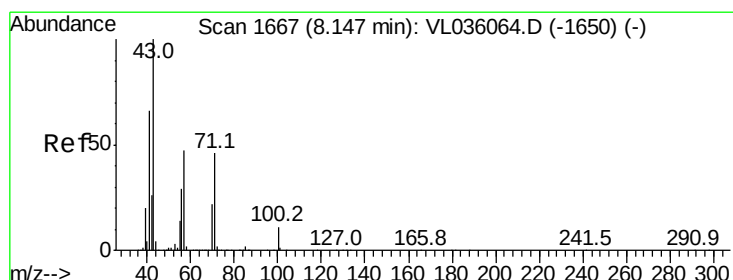
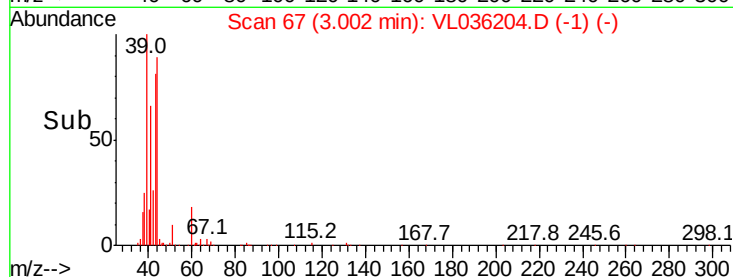
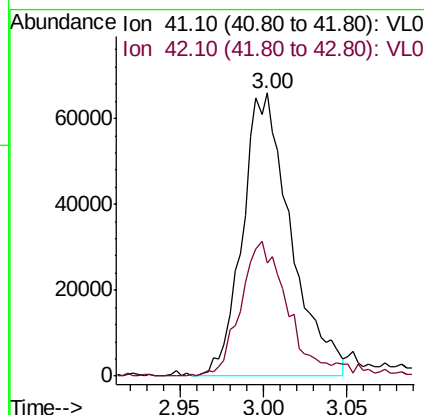
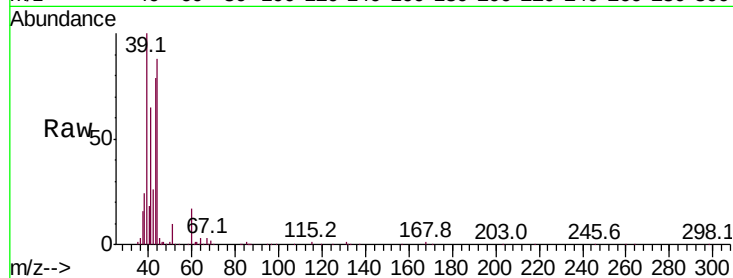
ClientSampled :

IIA1

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Tot Ion	41	Resp	132695
Ion Ratio	100	Lower	Upper
42	66.0	57.0	85.6



#10

Heptane

Concen: 0.227 ppbv m

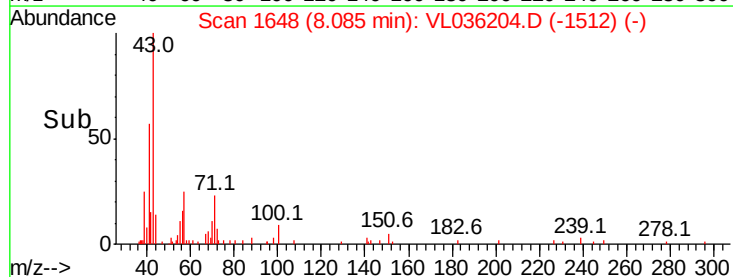
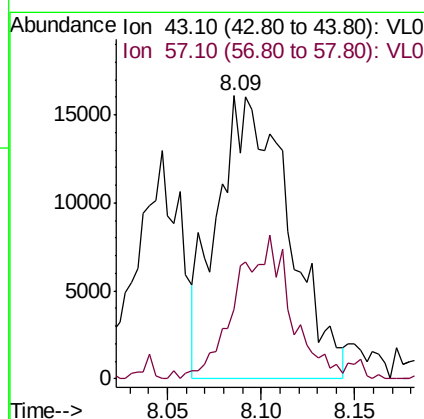
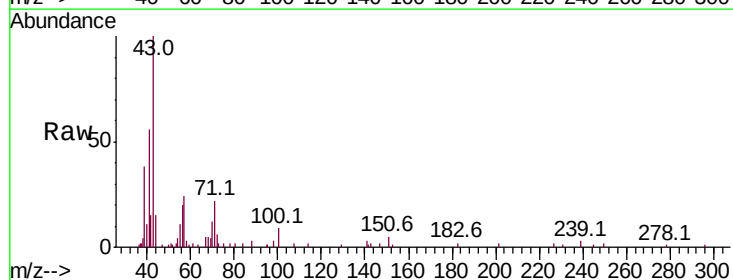
RT: 8.09 min Scan# 1648

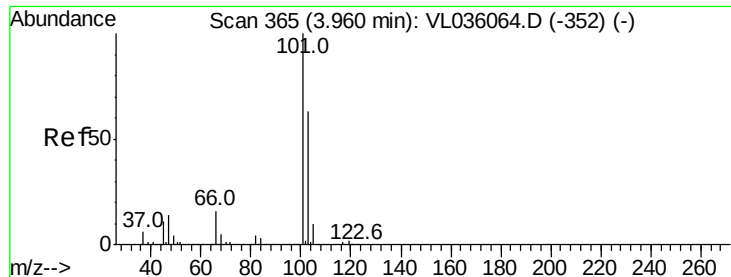
Delta R.T. -0.06 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Tgt Ion	43	Resp	42953
Ion Ratio	100	Lower	Upper
57	0.0	37.9	56.9#





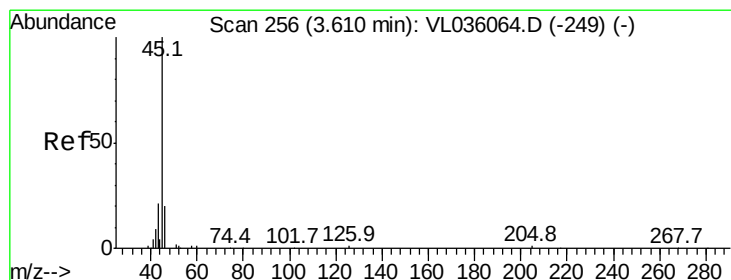
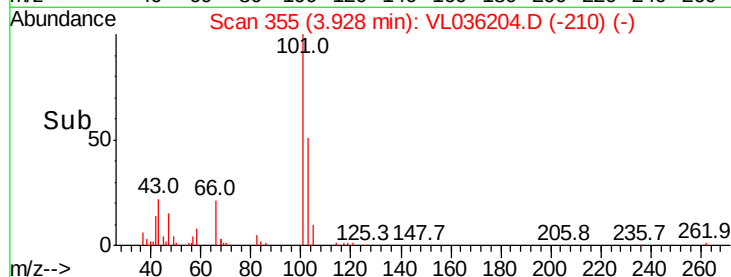
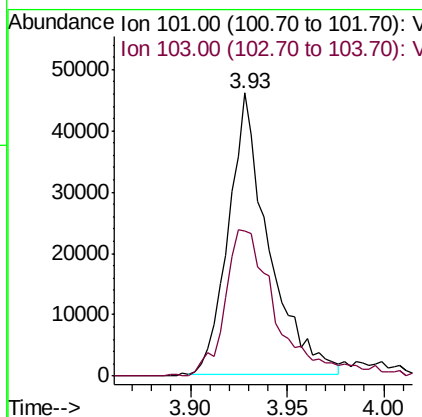
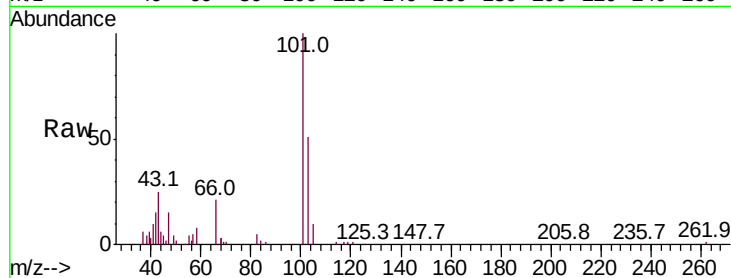
#11
Trichlorofluoromethane
Concen: 0.370 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tot Ion:101 Resp: 65842
Ion Ratio Lower Upper
101 100
103 51.7 50.3 75.5

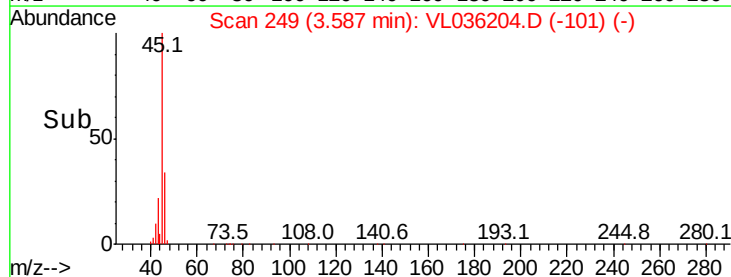
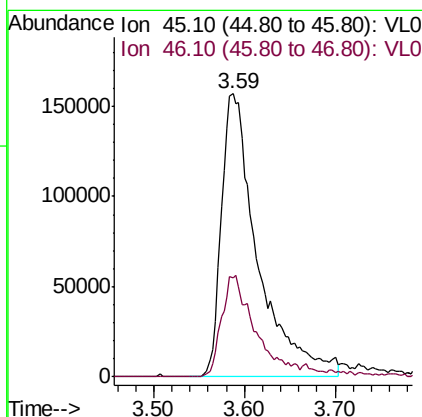
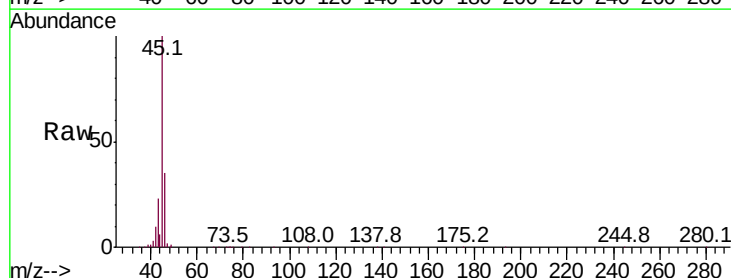
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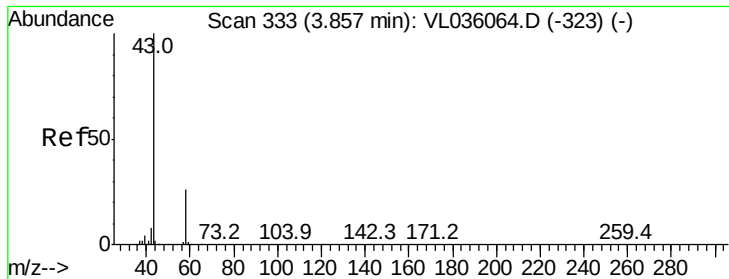
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#13
Ethanol
Concen: 42.875 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 45 Resp: 438542
Ion Ratio Lower Upper
45 100
46 35.9 19.0 75.8





#15

Acetone

Concen: 3.981 ppbv m

RT: 3.83 min Scan# 325

Delta R.T. -0.03 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Instrument :

MSVOA_L

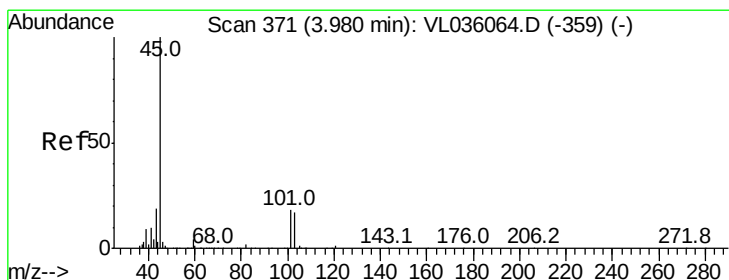
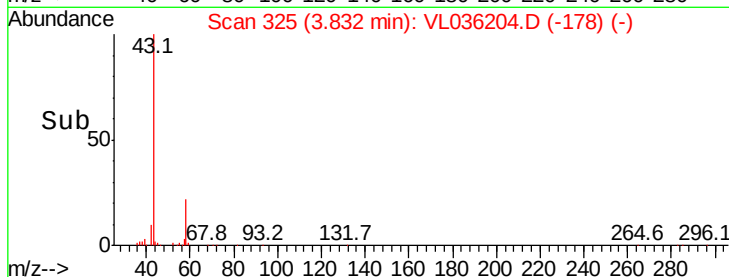
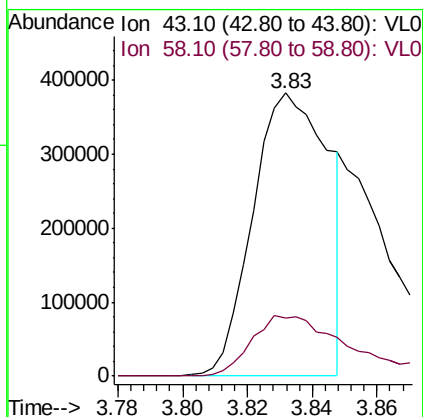
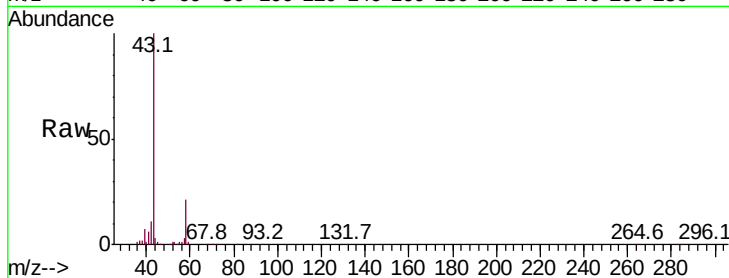
ClientSampleId :

IIA1

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Tot Ion	43	Resp	621123
Ion Ratio	100	Lower	Upper
43	100		
58	30.0	20.9	31.3



#19

Isopropyl Alcohol

Concen: 1.967 ppbv m

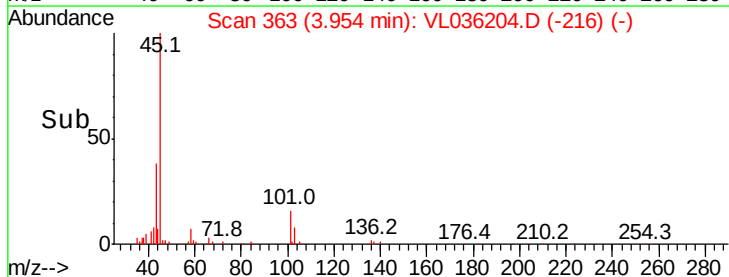
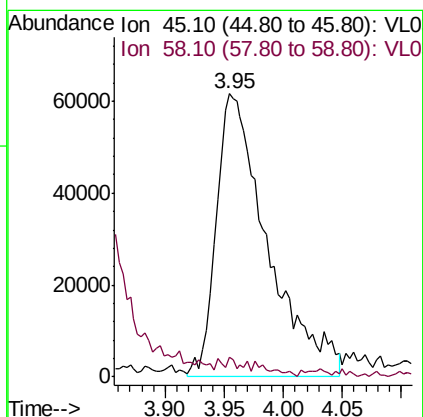
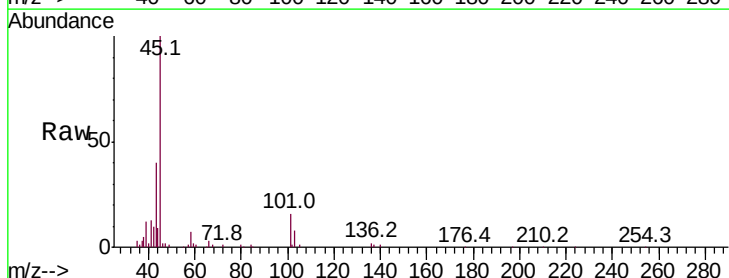
RT: 3.95 min Scan# 363

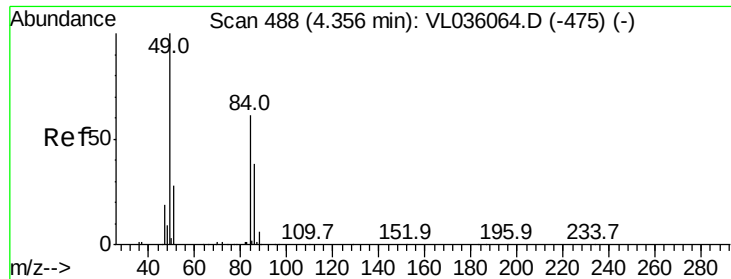
Delta R.T. -0.03 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Tgt Ion	45	Resp	187617
Ion Ratio	100	Lower	Upper
45	100		
58	3.6	0.0	0.0#





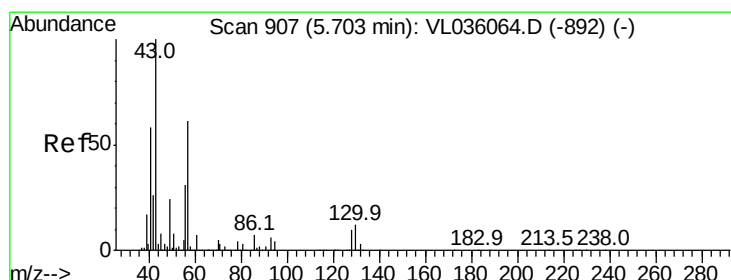
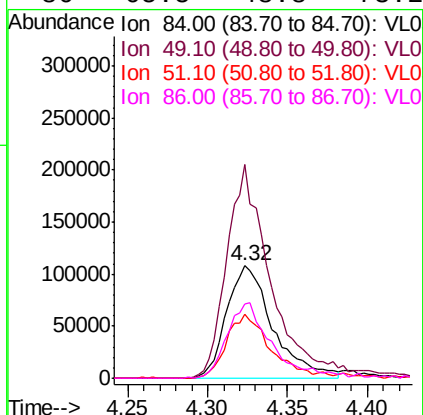
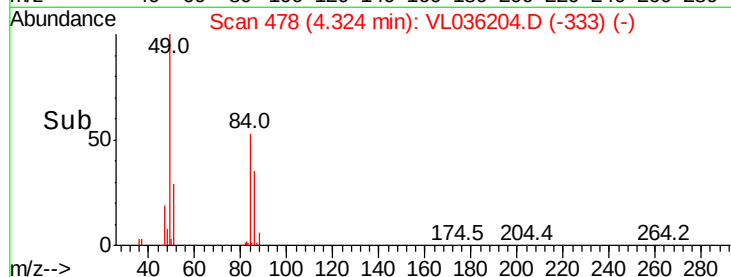
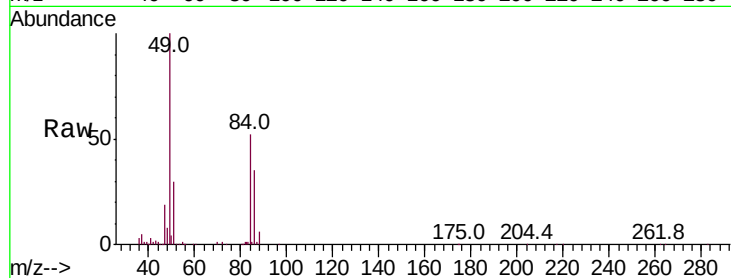
#20
Methvlene Chloride
Concen: 3.335 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampled :
IIA1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	190.3		133.0	199.4	
51	57.0		38.9	58.3	
86	65.5		48.8	73.2	

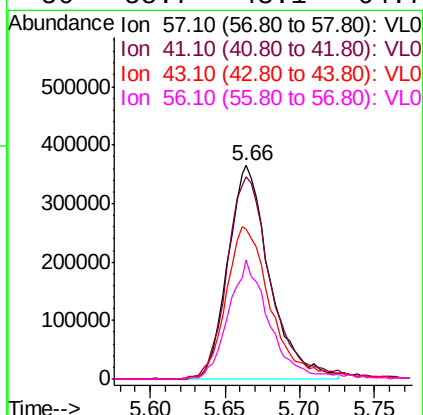
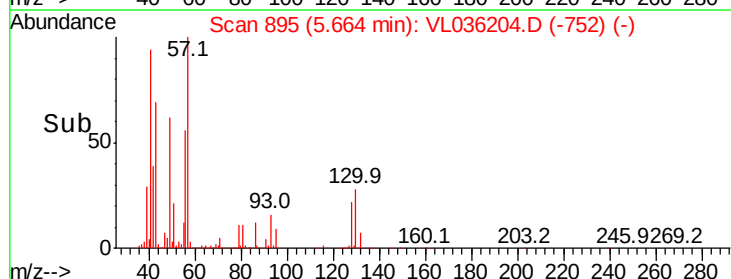
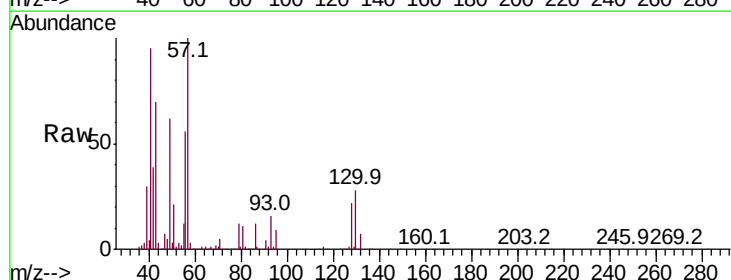
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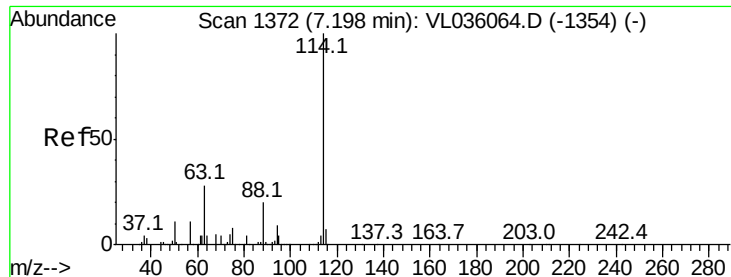
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#26
Hexane
Concen: 5.038 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	102.8		82.9	124.3	
43	78.4		199.9	299.9#	
56	55.7		43.1	64.7	





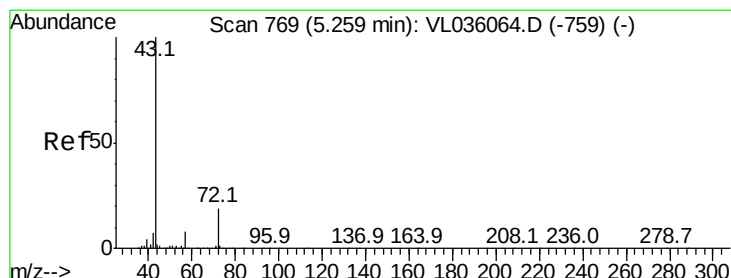
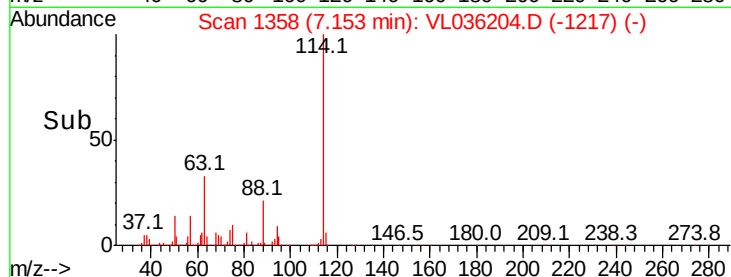
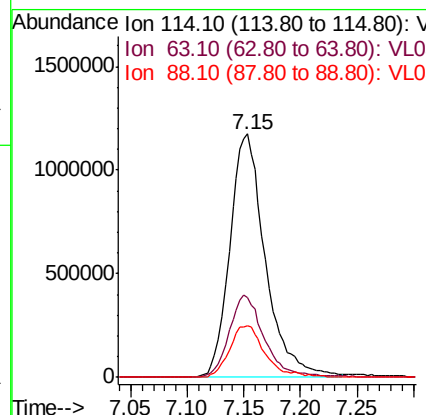
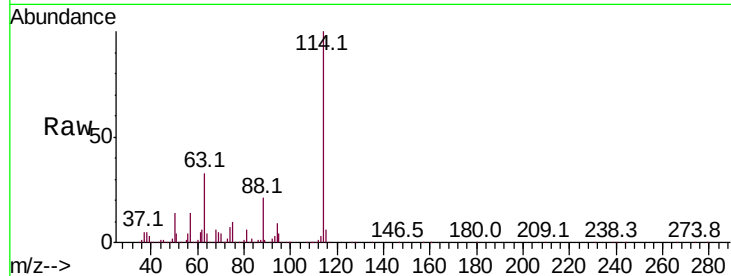
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.05 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.8	23.6	35.4
88	21.7	15.8	23.6

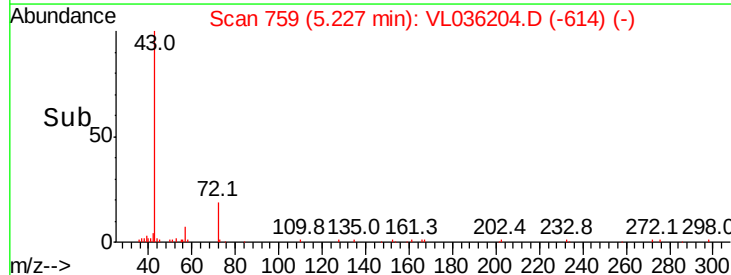
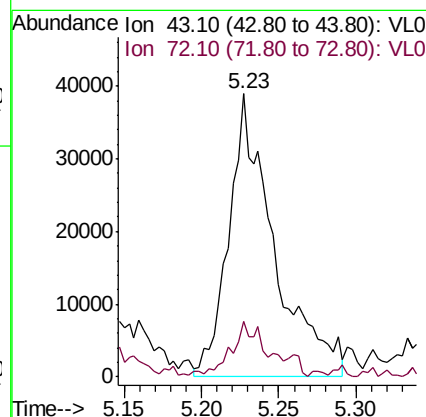
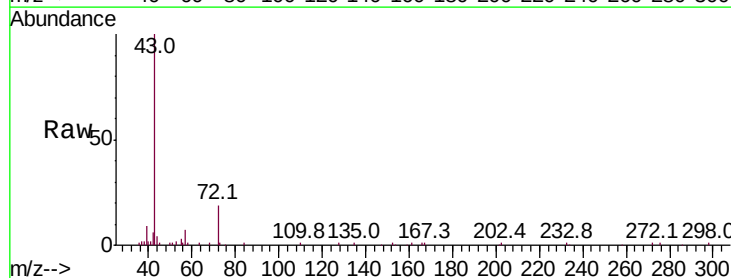
Manual Integrations
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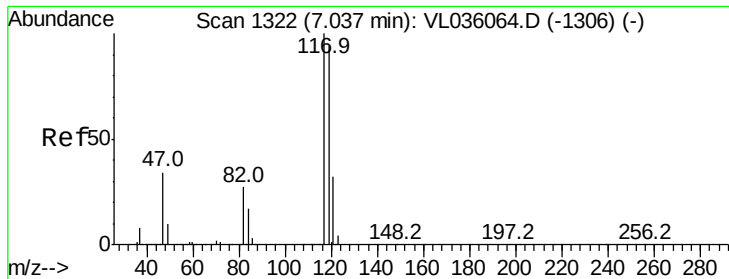
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#34
 2-Butanone
 Concen: 0.467 ppbv m
 RT: 5.23 min Scan# 759
 Delta R.T. -0.03 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.5	16.5	24.7





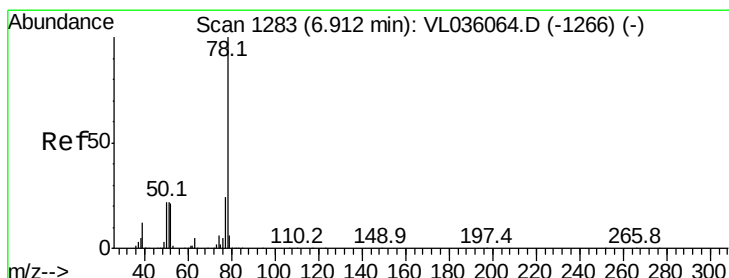
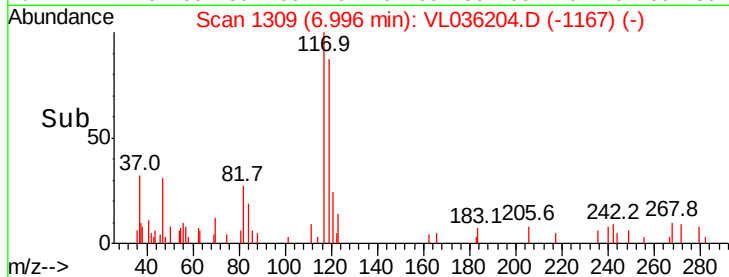
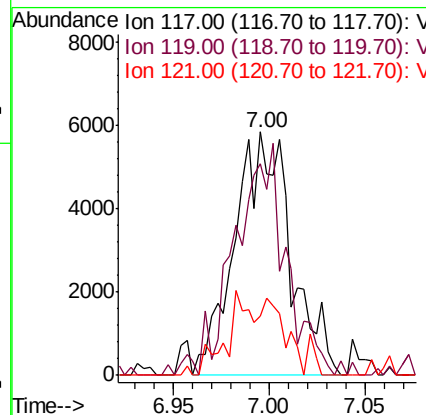
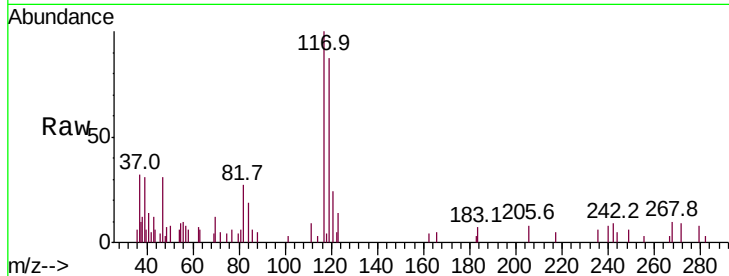
#35
Carbon Tetrachloride
Concen: 0.080 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. -0.04 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.9	75.1	112.7
121	24.2	25.6	38.4#

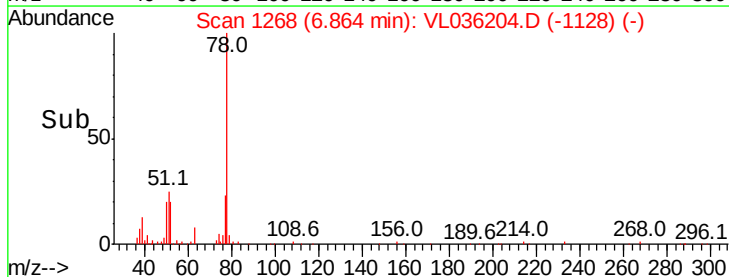
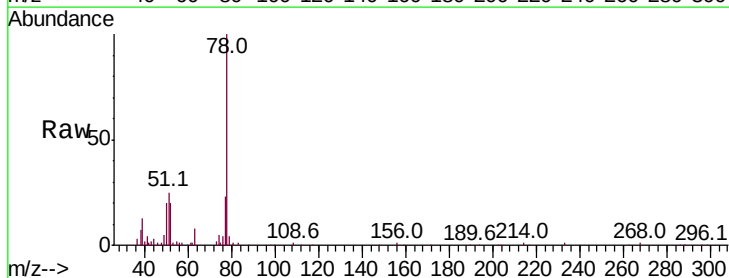
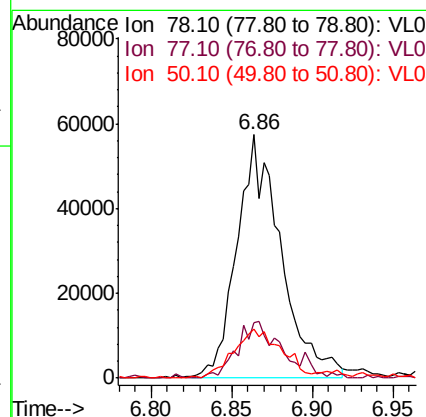
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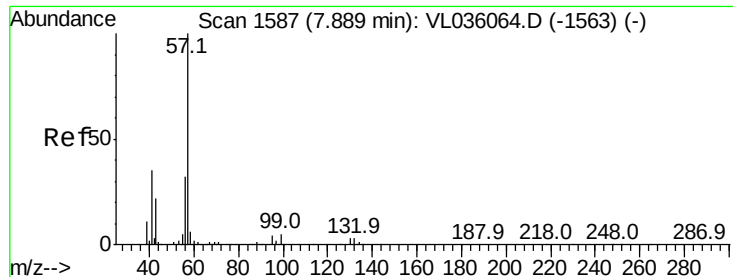
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#36
Benzene
Concen: 0.508 ppbv m
RT: 6.86 min Scan# 1268
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.2
50	20.3	17.8	26.8





#44

2,2,4-Trimethylpentane

Concen: 0.278 ppbv m

RT: 7.84 min Scan# 1573

Delta R.T. -0.05 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Instrument :

MSVOA_L

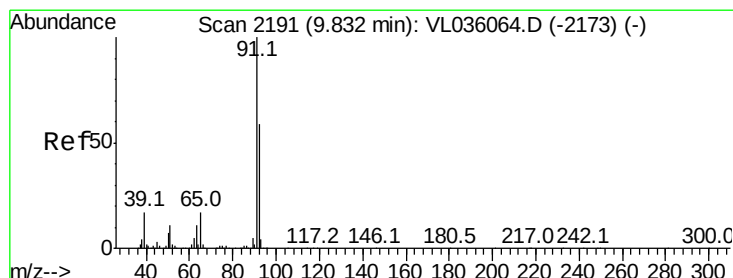
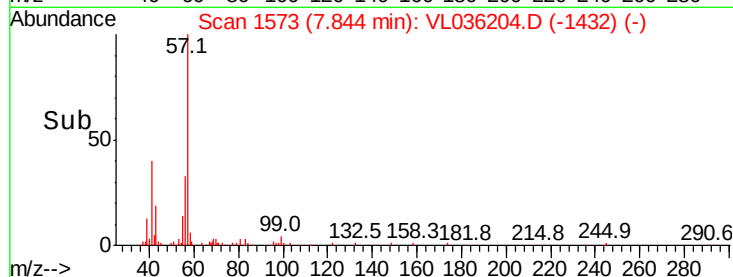
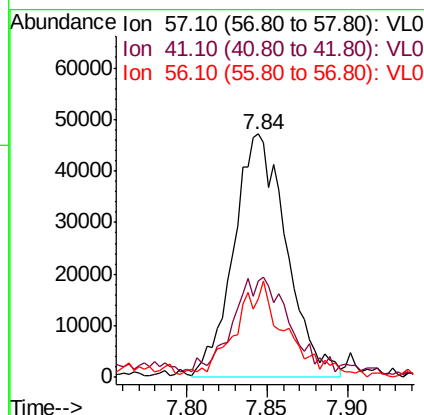
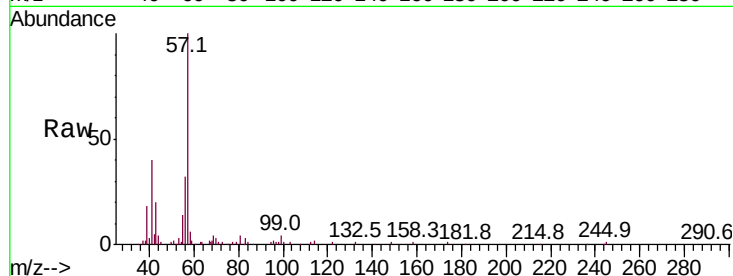
ClientSampleId :

IIA1

Tot Ion	57	Resp	109055
Ion	Ratio	Lower	Upper
57	100		
41	49.5	28.9	43.3#
56	38.3	25.3	37.9#

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#53

Toluene

Concen: 1.208 ppbv

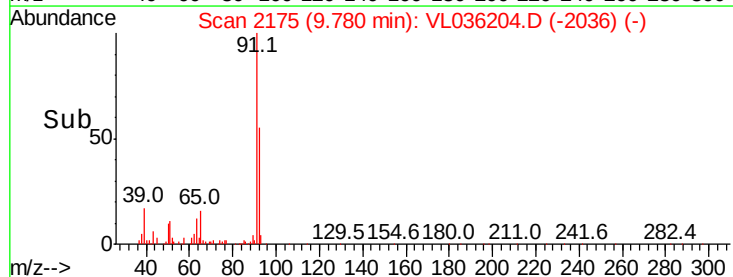
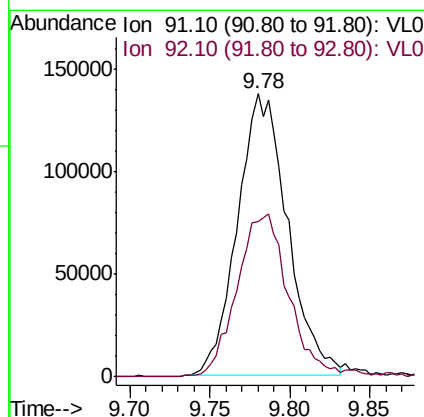
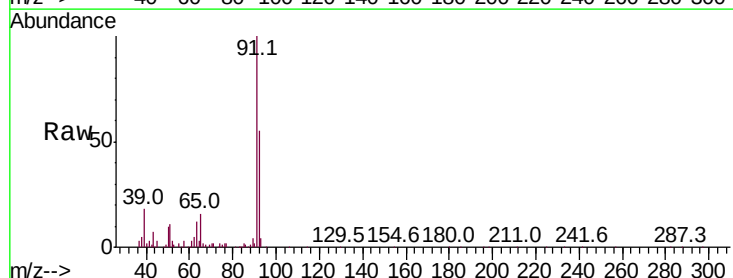
RT: 9.78 min Scan# 2175

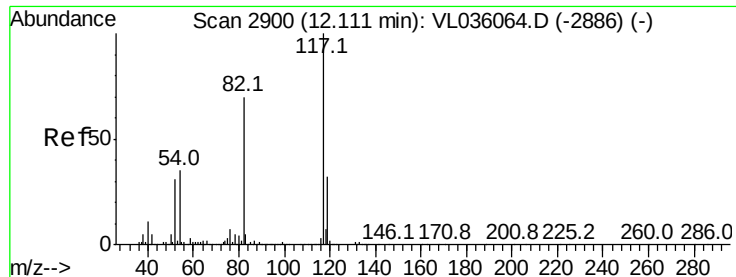
Delta R.T. -0.05 min

Lab File: VL036204.D

Acq: 23 Dec 2020 22:51

Tgt Ion	91	Resp	294243
Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.2





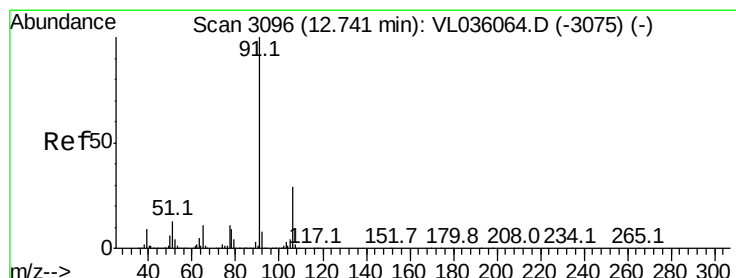
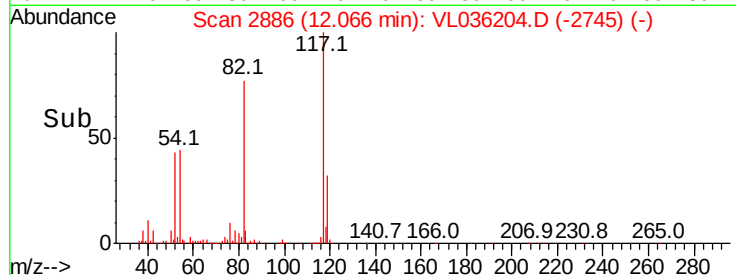
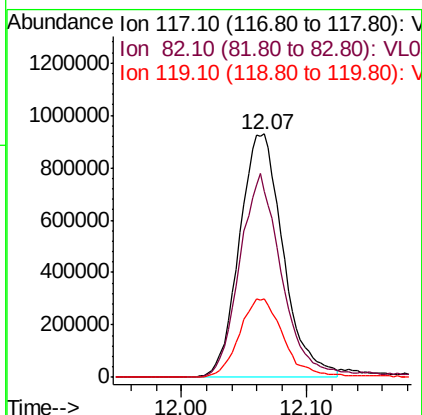
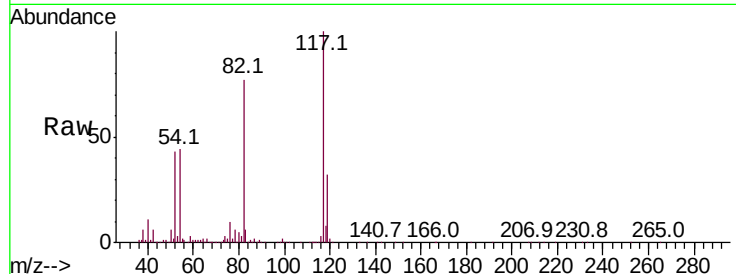
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tot Ion: 117 Resp: 2254282
Ion Ratio Lower Upper
117 100
82 83.3 0.0 0.0#
119 33.0 0.0 0.0#

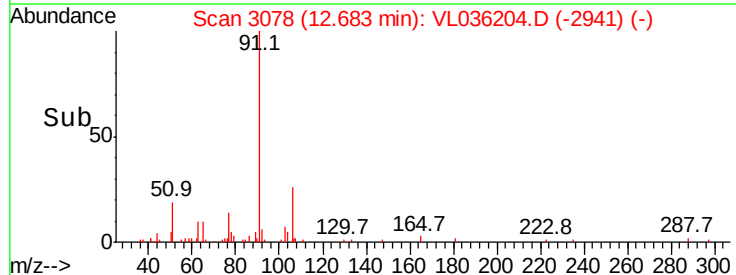
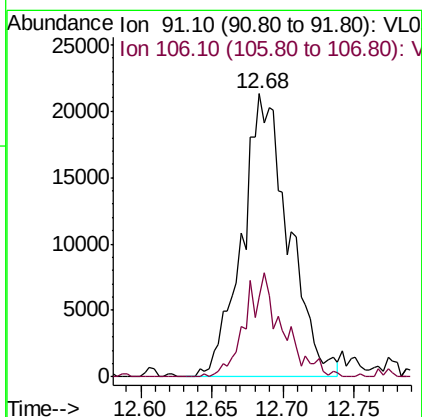
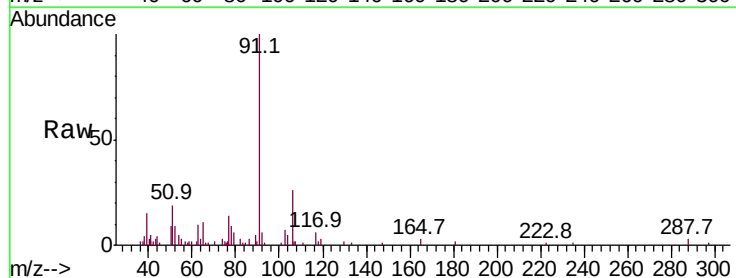
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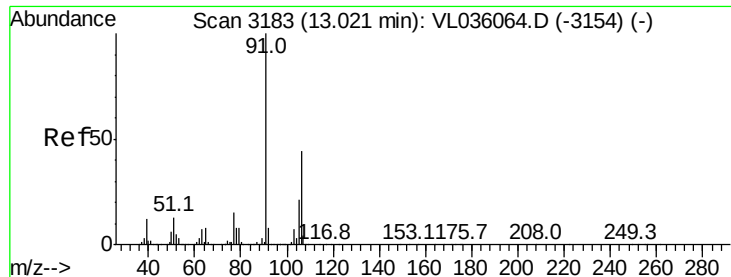
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#58
Ethyl Benzene
Concen: 0.156 ppbv m
RT: 12.68 min Scan# 3078
Delta R.T. -0.06 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 91 Resp: 48209
Ion Ratio Lower Upper
91 100
106 26.0 23.0 34.4





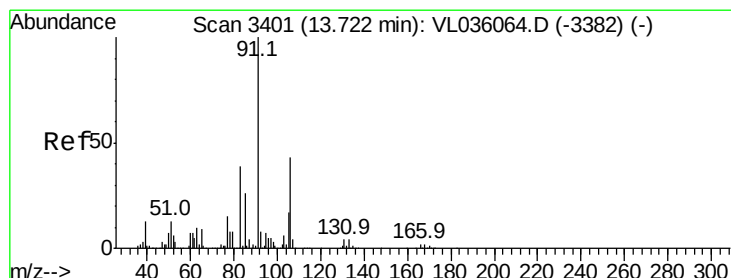
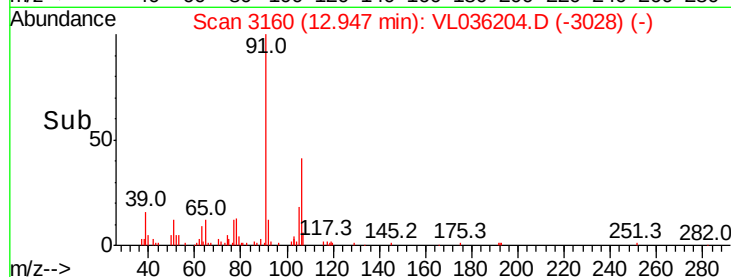
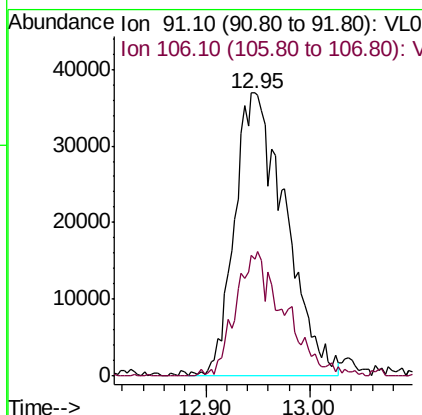
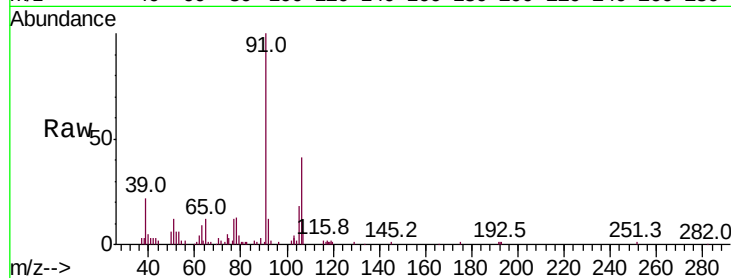
#59
m/p-Xylene
Concen: 0.482 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.07 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Instrument :
MSVOA_L
ClientSampleId :
IIA1

Tot Ion: 91 Resp: 125464
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

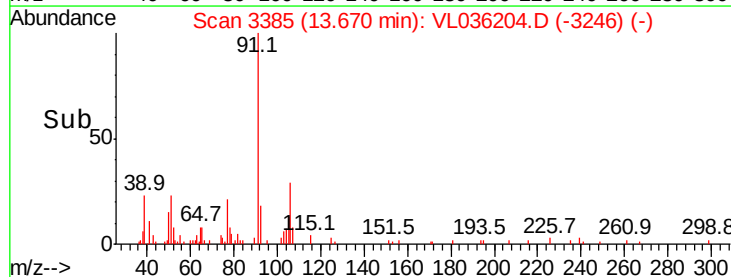
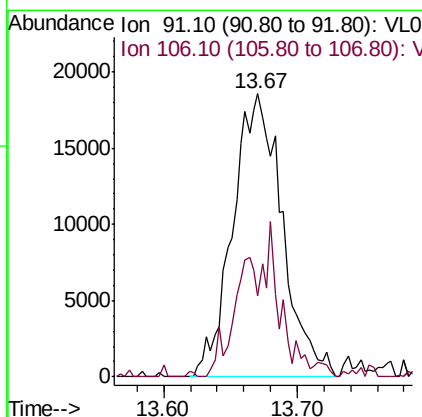
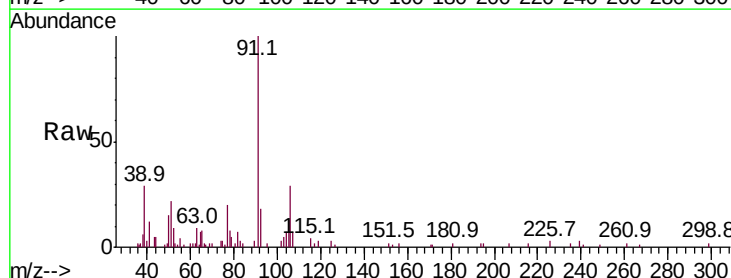
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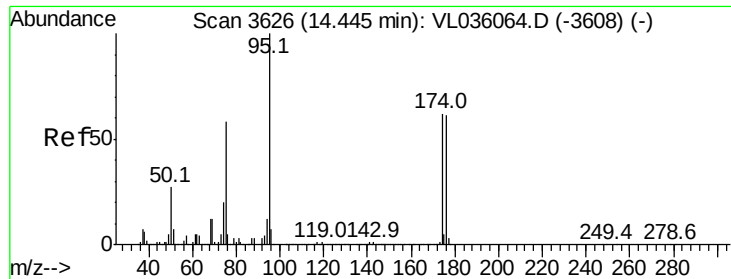
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#60
o-Xylene
Concen: 0.195 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.05 min
Lab File: VL036204.D
Acq: 23 Dec 2020 22:51

Tgt Ion: 91 Resp: 47722
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.307 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.05 min
 Lab File: VL036204.D
 Acq: 23 Dec 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1

Tot Ion	Ratio	Lower	Upper
95	100		
174	52.7	50.7	76.1
175	3.9	4.0	6.0

Manual Integrations
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