

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL07309.D
 Acq On : 31 Jul 2021 8:38
 Operator : SY/AP
 Sample : M3121-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-2

Manual Integrations
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MMDadoda
 8/2/2021 8:59:00 AM

Quant Time: Jul 31 09:10:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 31 09:10:29 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1188694	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3626525	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3178886	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2374125	10.27	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	57831	0.338	ppbv	95
3) Chlorodifluoromethane	2.98	51	427433	1.794	ppbv	92
4) Chloromethane	3.13	50	49510	0.596	ppbv #	82
9) Propene	3.02	41	41041	0.512	ppbv	97
11) Trichlorofluoromethane	3.95	101	45567	0.214	ppbv	93
13) Ethanol	3.60	45	231122	13.124	ppbv	97
15) Acetone	3.84	43	1036538	4.841	ppbv	100
19) Isopropyl Alcohol	3.98	45	213387m	2.576	ppbv	
20) Methylene Chloride	4.34	84	945407	11.411	ppbv	99
26) Hexane	5.68	57	701329	4.224	ppbv #	52
30) Cyclohexane	7.12	84	18723m	0.144	ppbv	
34) 2-Butanone	5.25	43	141021m	0.906	ppbv	
35) Carbon Tetrachloride	7.01	117	12657m	0.055	ppbv	
36) Benzene	6.89	78	47647	0.155	ppbv #	92
44) 2,2,4-Trimethylpentane	7.87	57	70604m	0.141	ppbv	
52) Tetrachloroethene	11.22	164	5876m	0.043	ppbv	
53) Toluene	9.81	91	440339	1.220	ppbv	96
59) m/p-Xylene	12.96	91	51346m	0.136	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	66103m	0.152	ppbv	

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

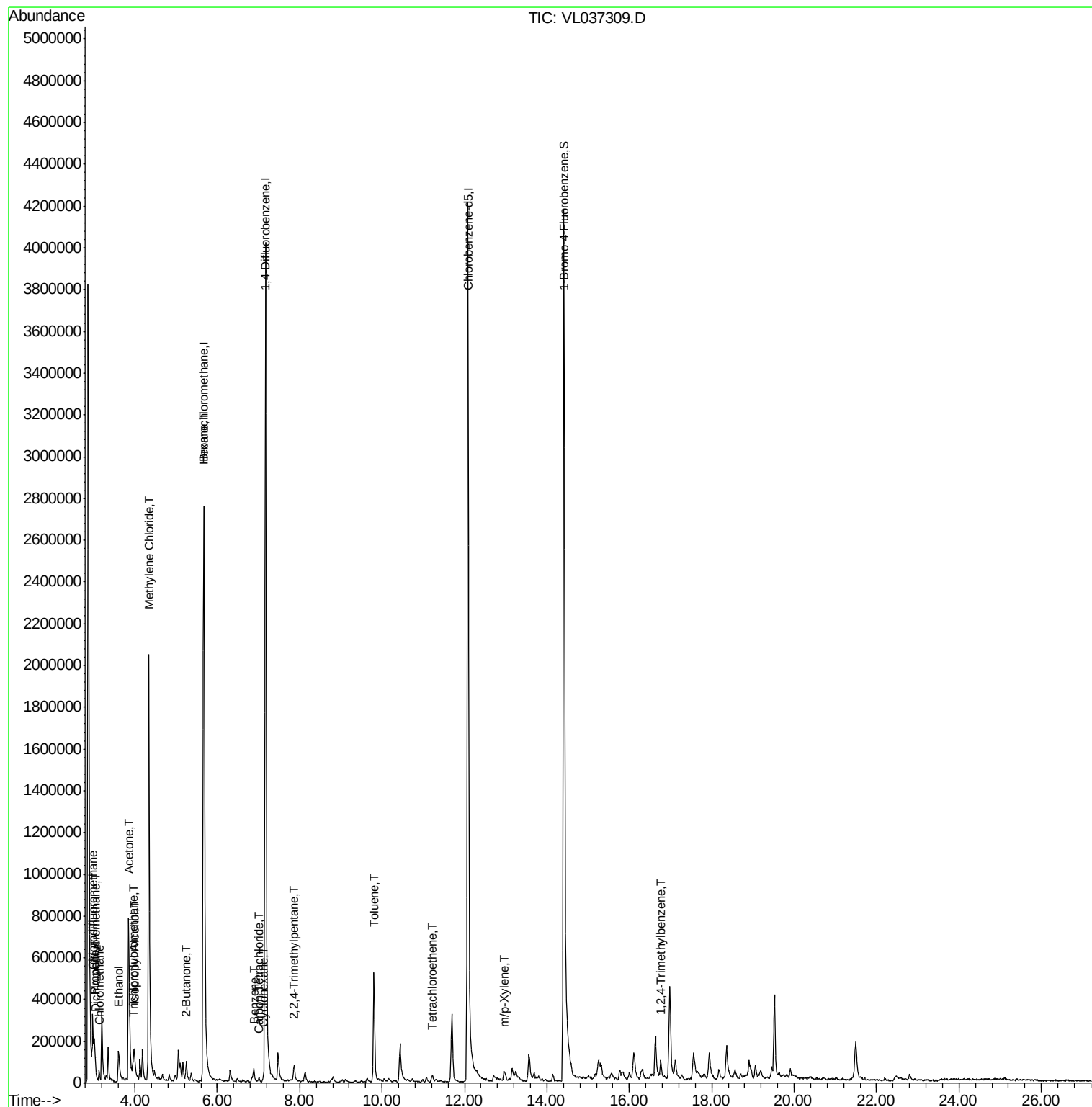
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
Data File : VL037309.D
Acq On : 31 Jul 2021 8:38
Operator : SY/AP
Sample : M3121-06
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

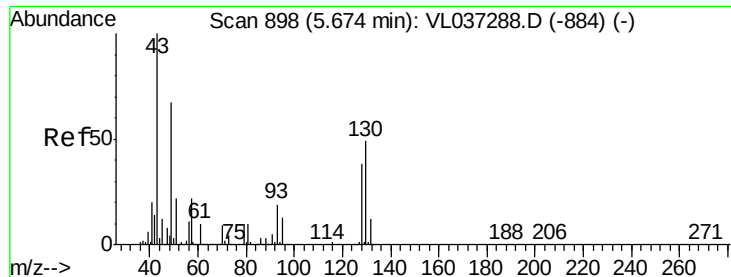
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Manual Integrations
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8/2/2021 8:59:00 AM

Quant Time: Jul 31 09:10:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration





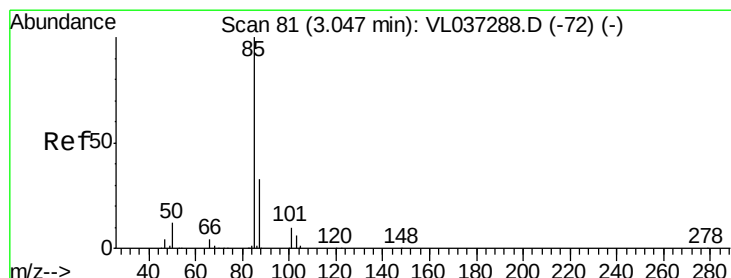
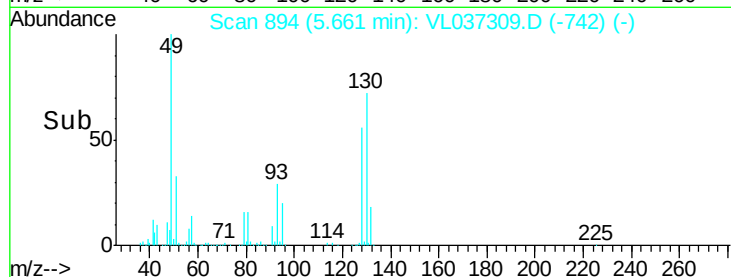
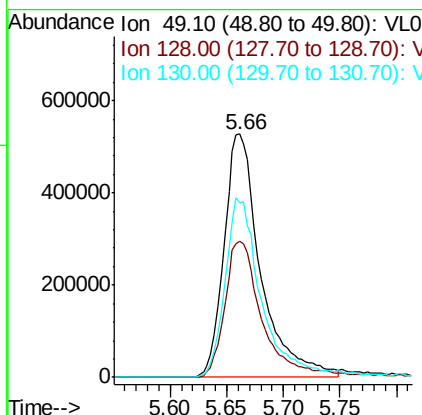
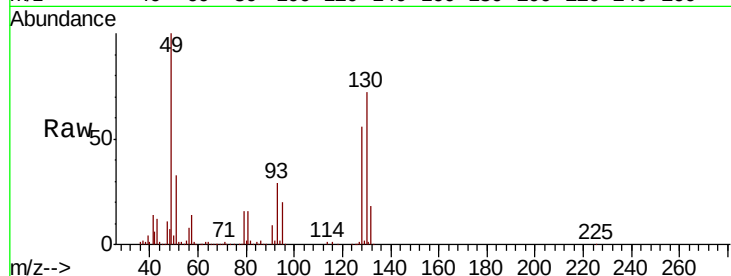
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampled :
IA-BEDROOM-2

Tot Ion: 49 Resp: 1188694
Ion Ratio Lower Upper
49 100
128 58.4 30.6 92.0
130 75.2 37.8 113.4

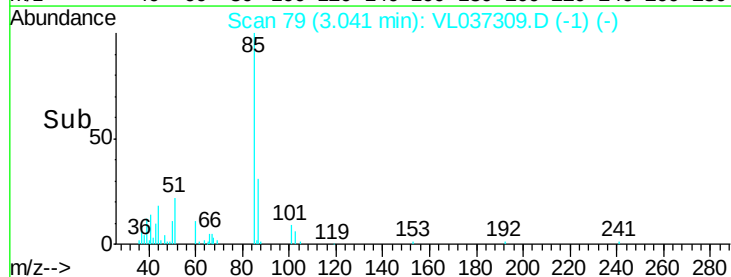
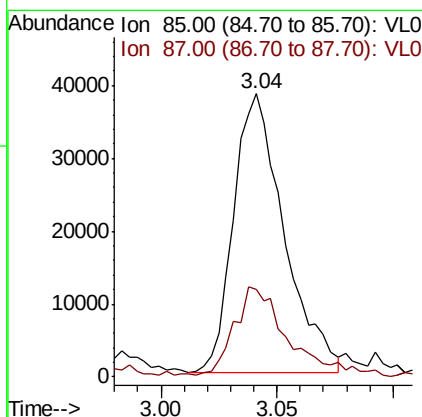
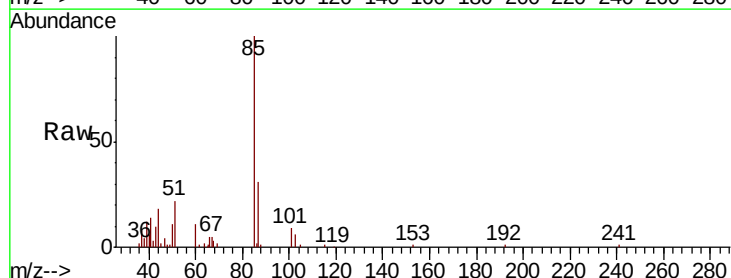
Manual Integrations
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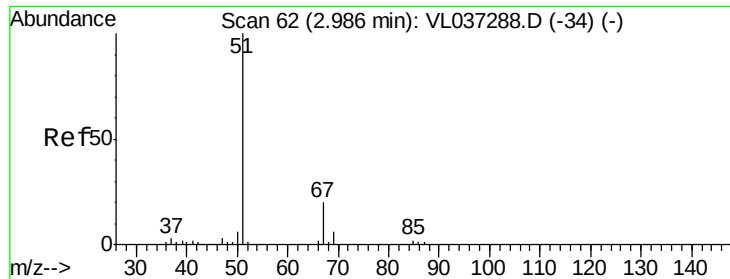
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#2
Dichlorodifluoromethane
Concen: 0.338 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion: 85 Resp: 57831
Ion Ratio Lower Upper
85 100
87 30.5 26.6 40.0





#3

Chlorodifluoromethane

Concen: 1.794 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037309.D

Acq: 31 Jul 2021 8:38

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-2

Tot Ion: 51 Resp: 427433

Ion Ratio Lower Upper

51 100

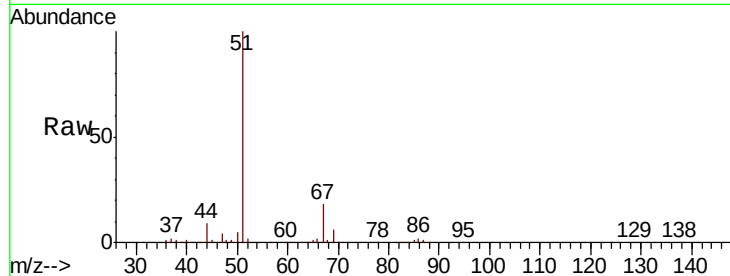
67 15.6 15.2 22.8

Manual Integrations

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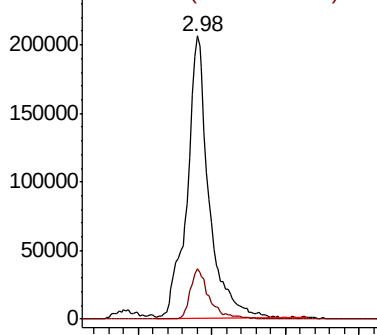
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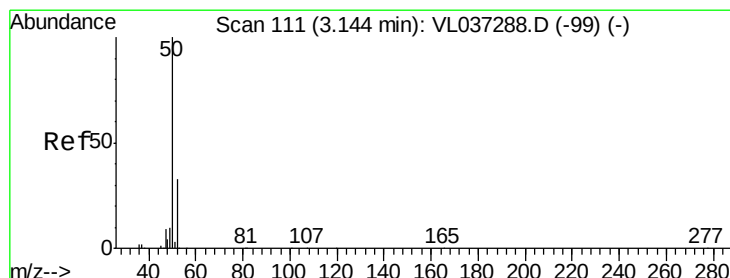
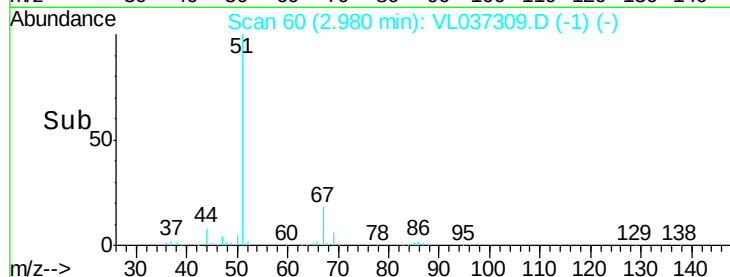


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.596 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037309.D

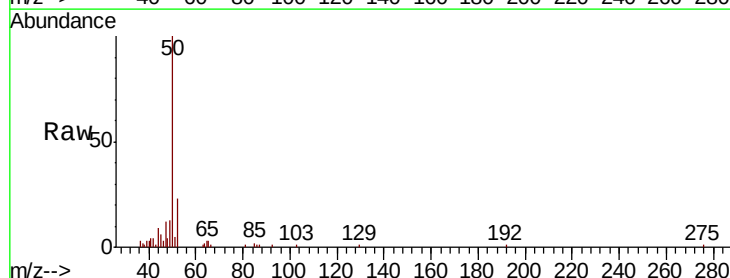
Acq: 31 Jul 2021 8:38

Tgt Ion: 50 Resp: 49510

Ion Ratio Lower Upper

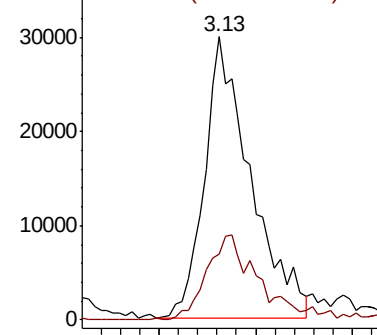
50 100

52 22.7 26.2 39.4#

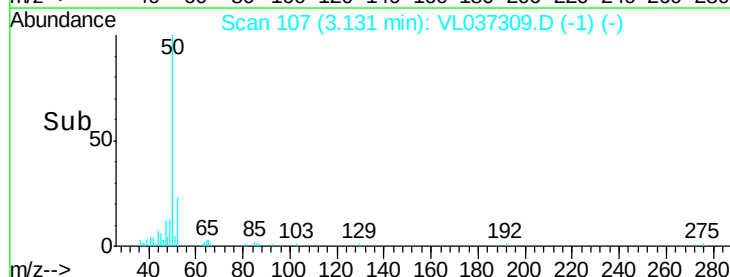


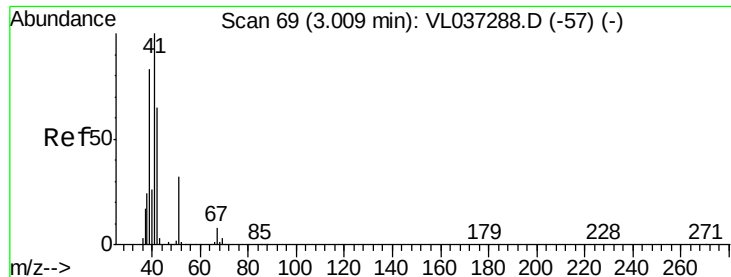
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





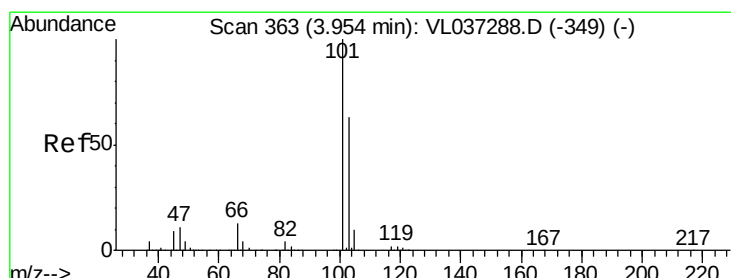
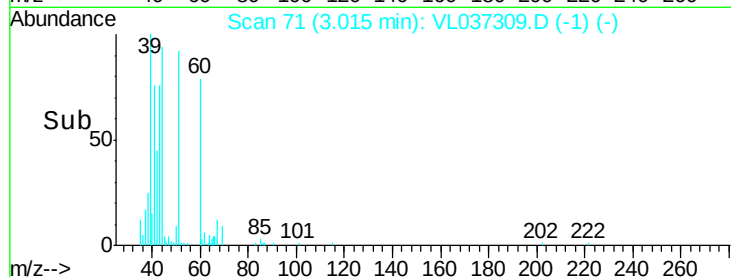
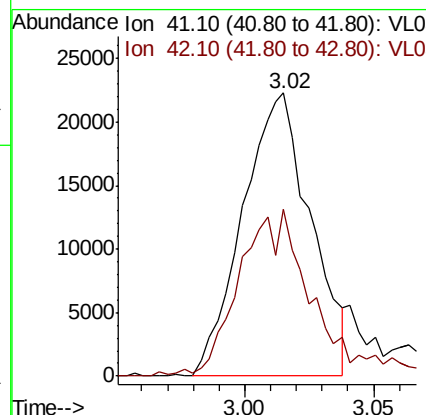
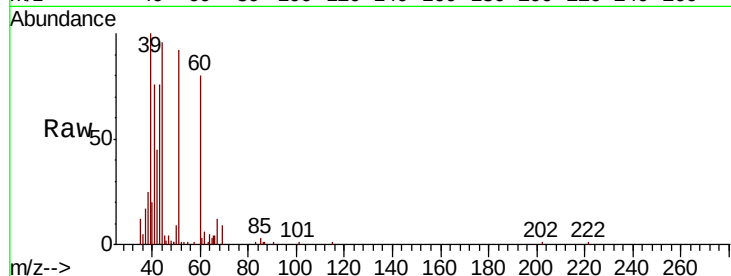
#9
 Propene
 Concen: 0.512 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-2

Tot Ion: 41 Resp: 41041
 Ion Ratio Lower Upper
 41 100
 42 65.2 54.0 81.0

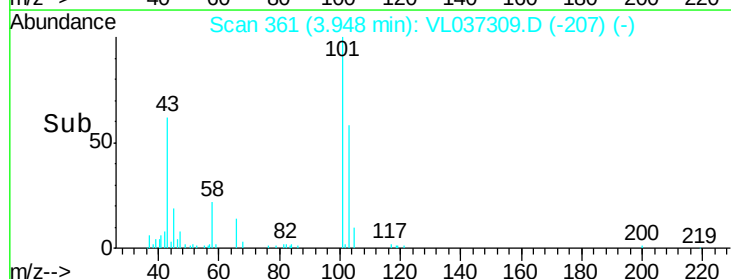
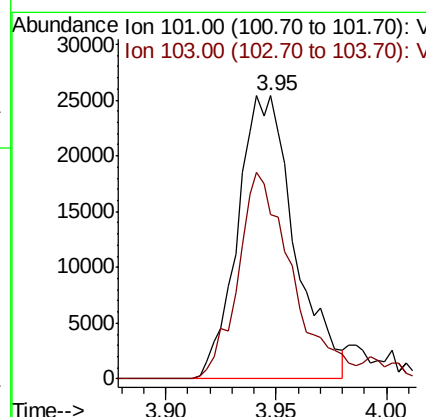
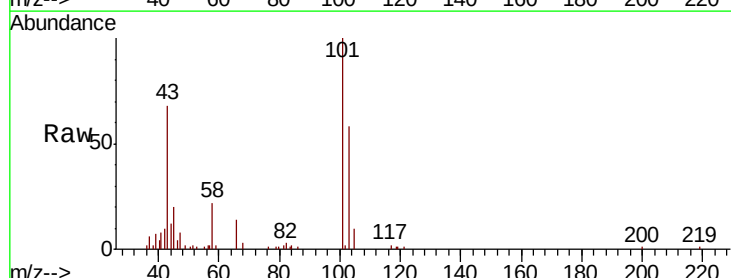
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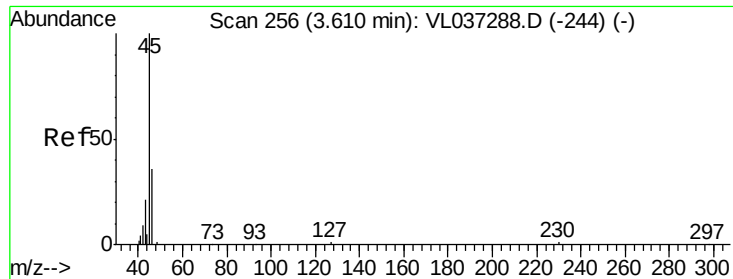
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#11
 Trichlorofluoromethane
 Concen: 0.214 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Tgt Ion: 101 Resp: 45567
 Ion Ratio Lower Upper
 101 100
 103 58.0 50.6 75.8





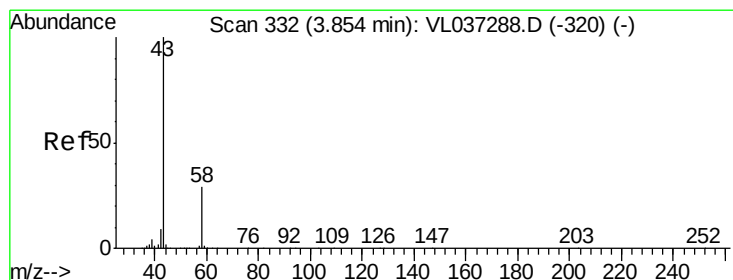
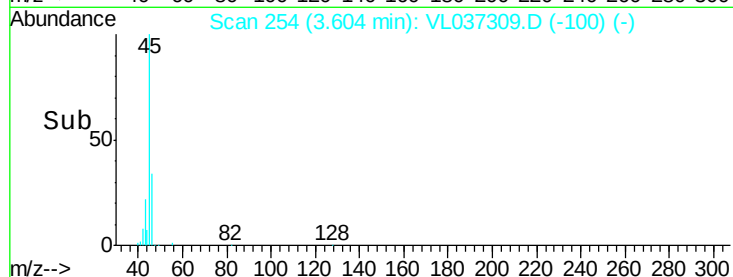
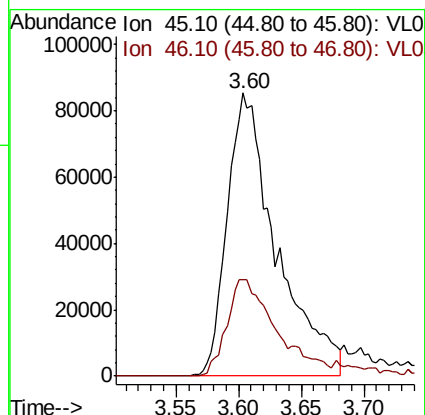
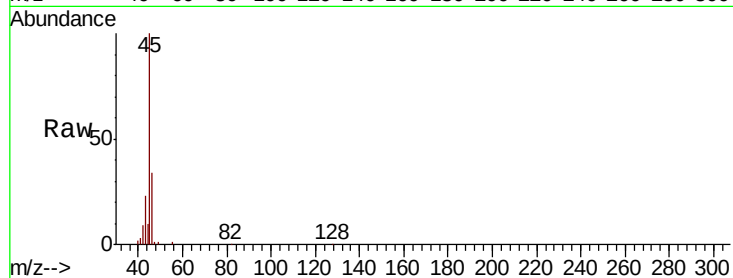
#13
Ethanol
Concen: 13.124 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.6	16.2	64.8

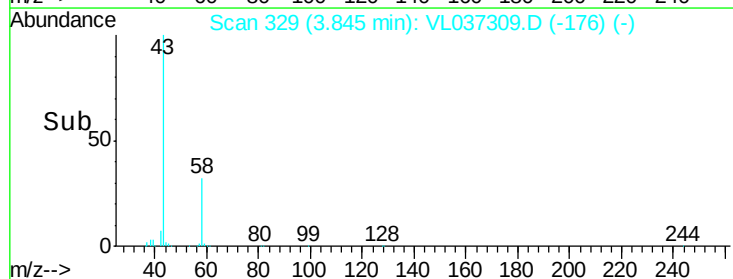
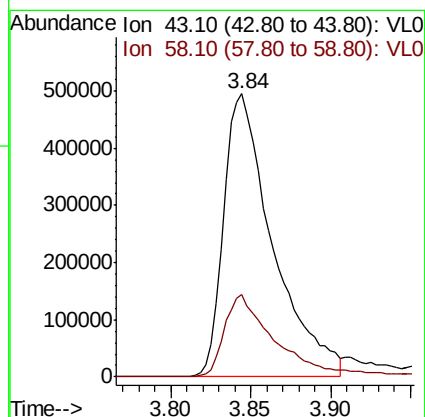
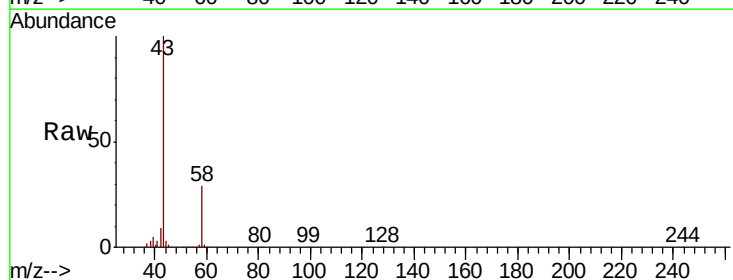
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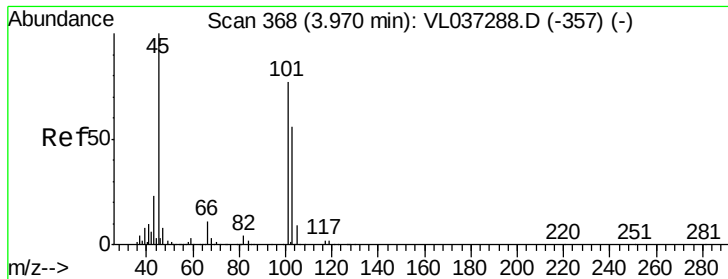
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#15
Acetone
Concen: 4.841 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4





#19

Isopropyl Alcohol

Concen: 2.576 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL037309.D

Acq: 31 Jul 2021 8:38

Tot Ion: 45 Resp: 21387
Ion Ratio Lower Upper

45 100

58 8.8 2.2 3.2#

Instrument :

MSVOA_L

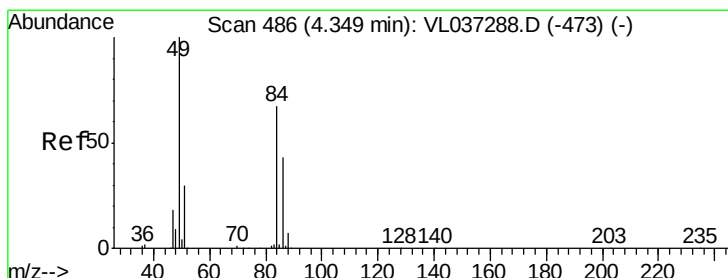
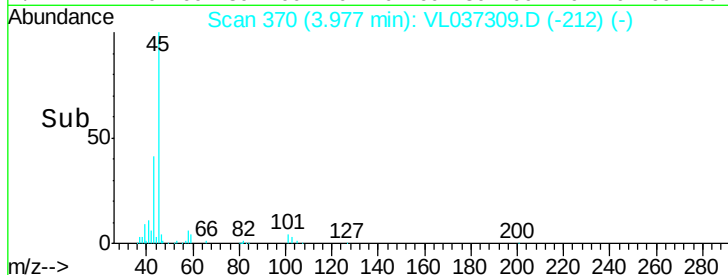
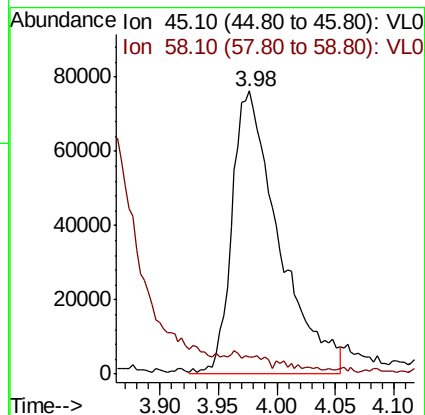
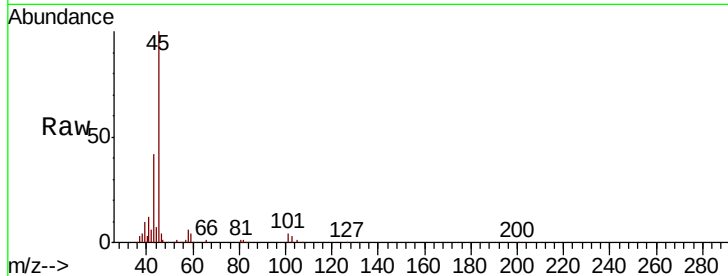
ClientSampleId :

IA-BEDROOM-2

Manual Integrations
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#20

Methylene Chloride

Concen: 11.411 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037309.D

Acq: 31 Jul 2021 8:38

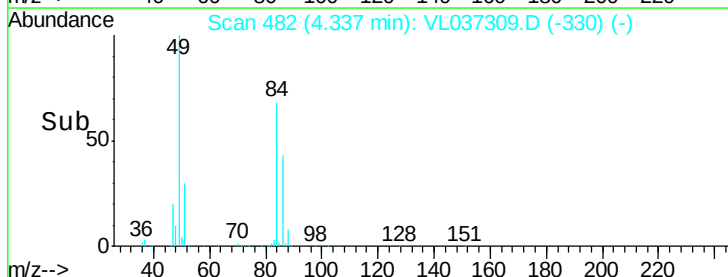
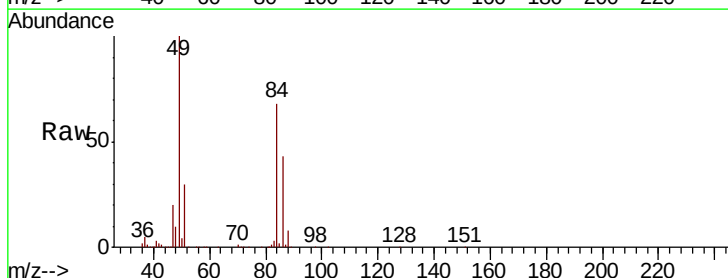
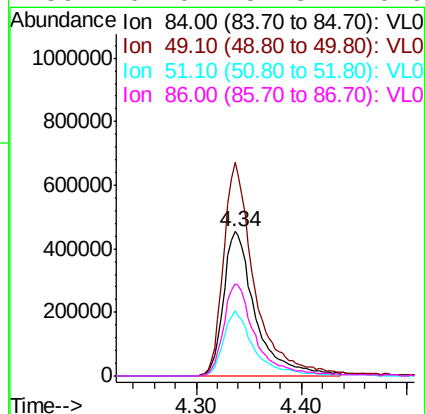
Tgt Ion: 84 Resp: 945407
Ion Ratio Lower Upper

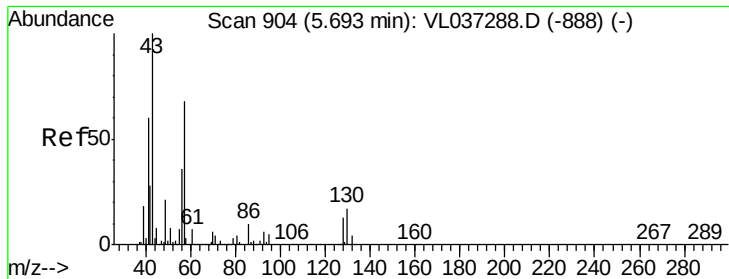
84 100

49 147.7 120.2 180.4

51 44.8 36.5 54.7

86 64.0 51.3 76.9





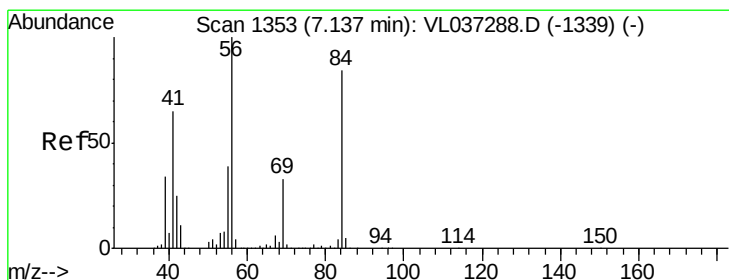
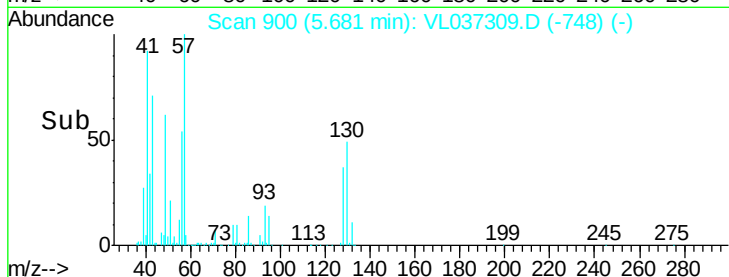
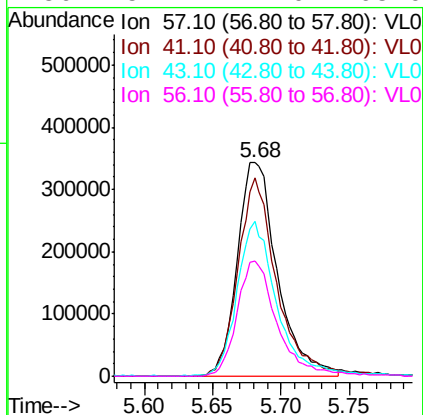
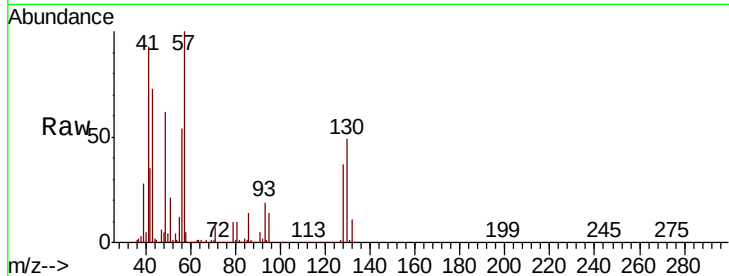
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Hexane
Concen: 4.224 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	91.1	71.0	106.6
43	72.6	155.0	232.4#
56	54.1	42.0	63.0

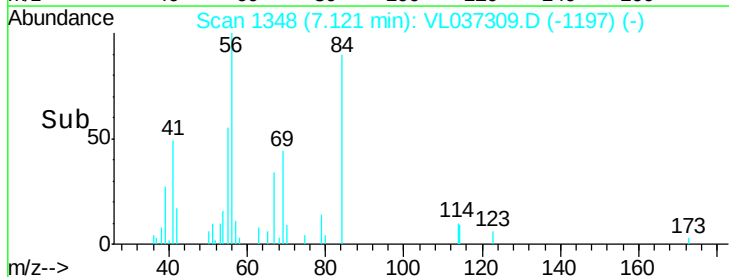
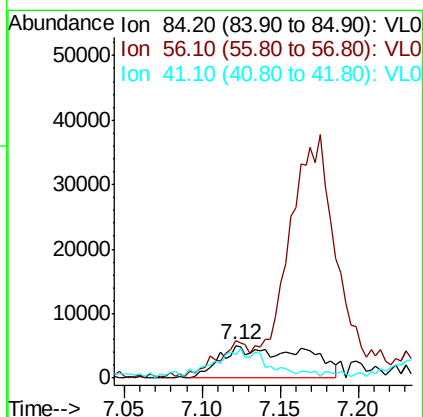
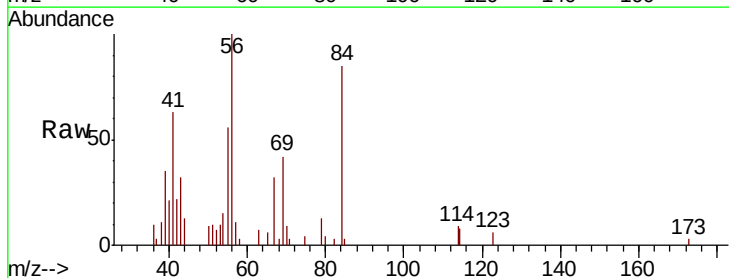
Manual Integrations
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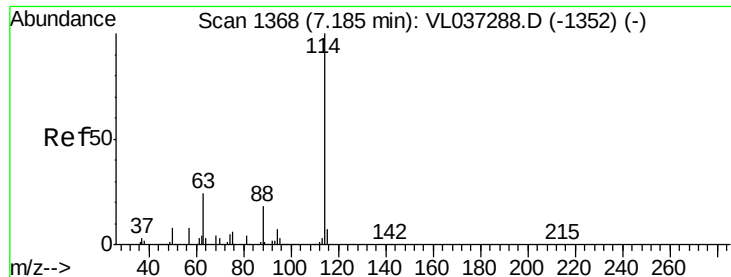
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#30
Cyclohexane
Concen: 0.144 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.1	156.1#
41	60.2	64.7	97.1#





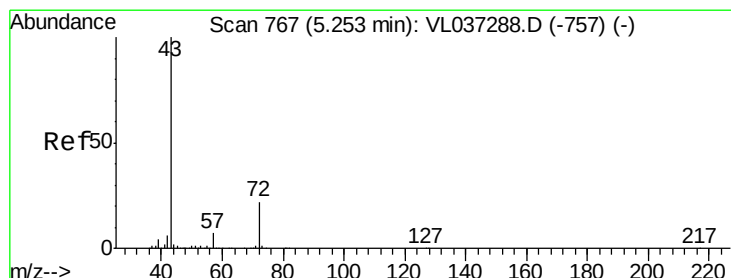
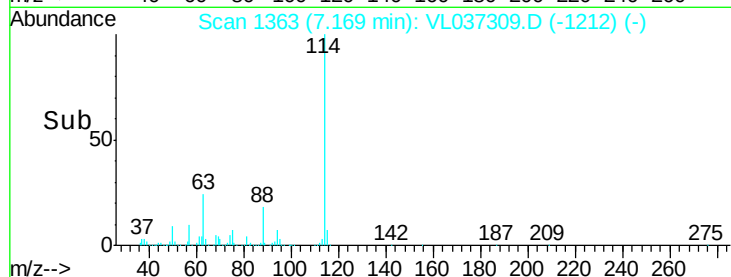
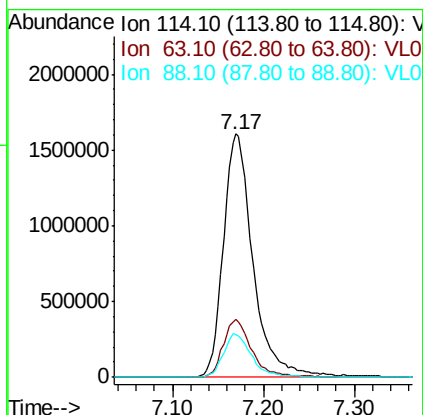
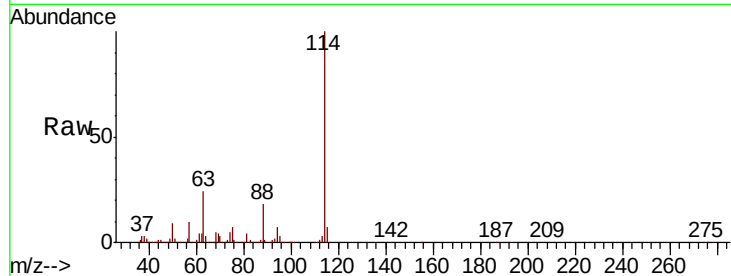
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-2

Tot Ion:114 Resp: 3626525
 Ion Ratio Lower Upper
 114 100
 63 23.3 19.0 28.4
 88 17.5 14.0 21.0

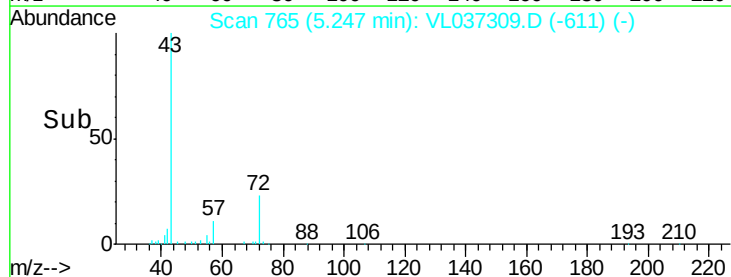
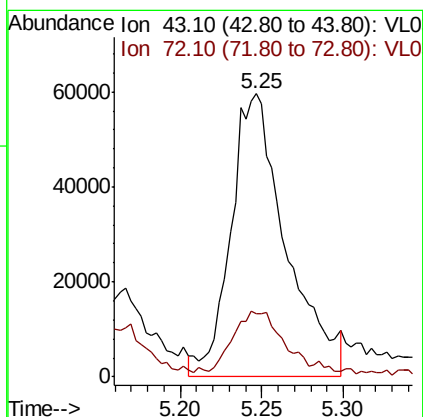
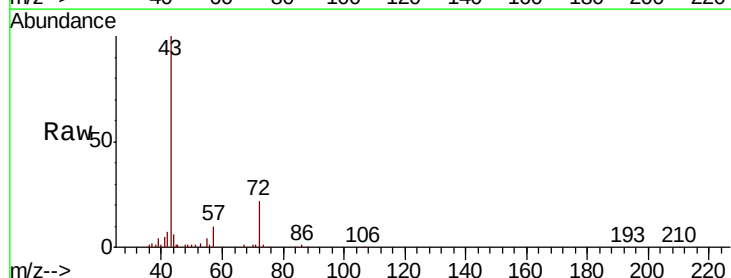
Manual Integrations
 APPROVED

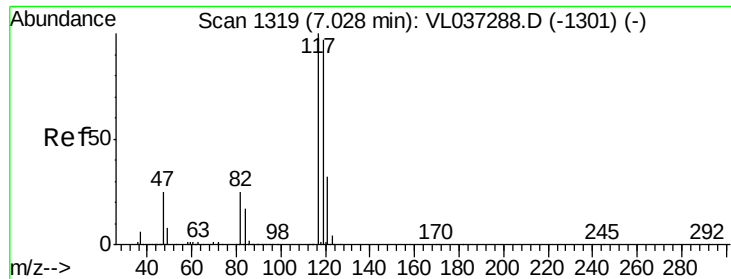
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 8/2/2021 8:59:00 AM



#34
 2-Butanone
 Concen: 0.906 ppbv m
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Tgt Ion: 43 Resp: 141021
 Ion Ratio Lower Upper
 43 100
 72 25.3 18.5 27.7





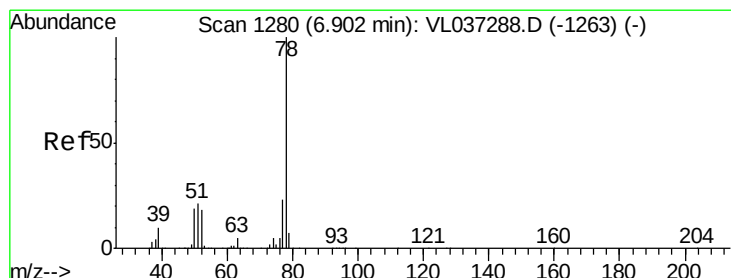
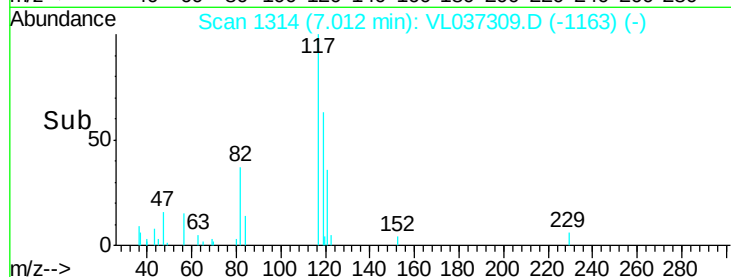
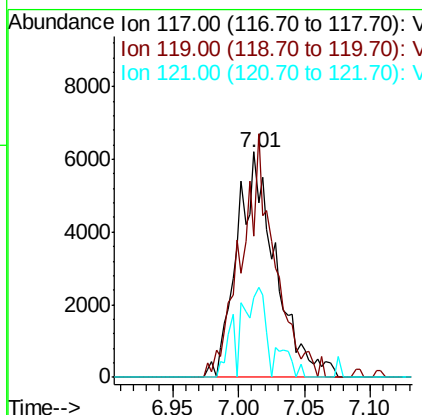
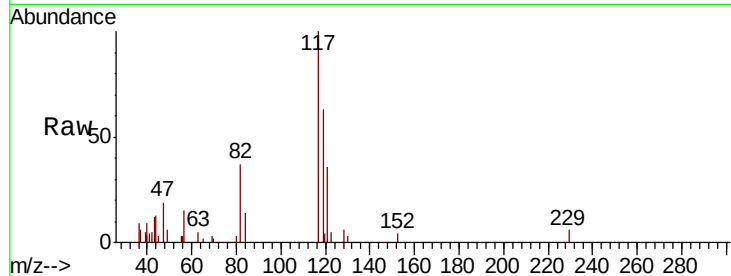
#35
Carbon Tetrachloride
Concen: 0.055 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Tot Ion	Ratio	Lower	Upper
117	100		
119	62.5	77.4	116.2#
121	35.6	25.8	38.8

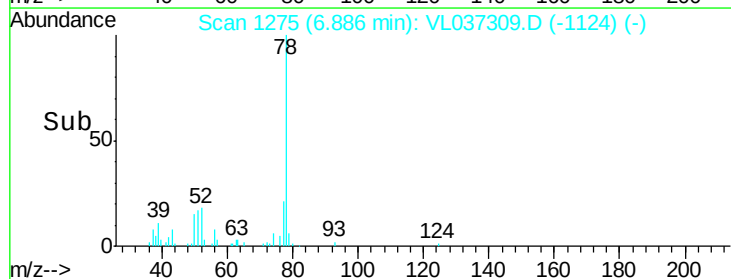
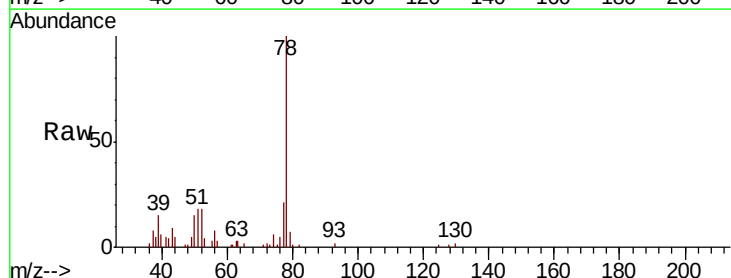
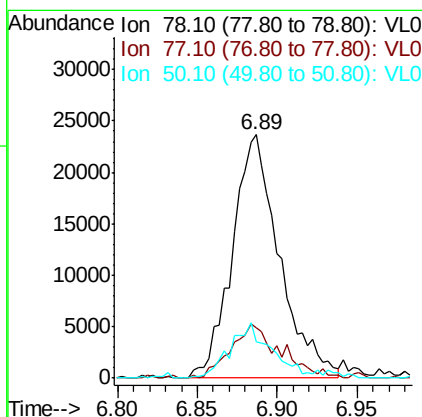
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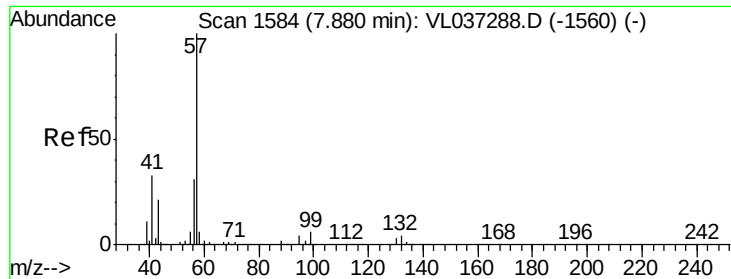
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#36
Benzene
Concen: 0.155 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.3	27.5
50	13.6	15.5	23.3#





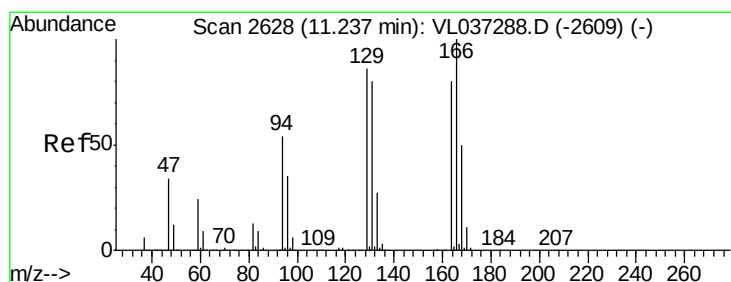
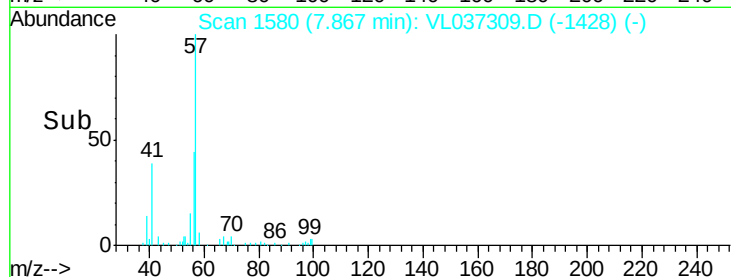
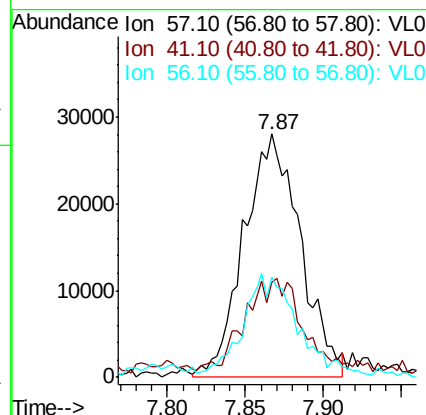
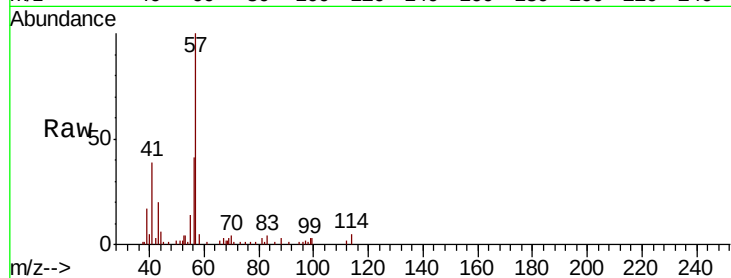
#44
 2,2,4-Trimethylpentane
 Concen: 0.141 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	43.8	26.6	40.0#
56	47.8	25.3	37.9#

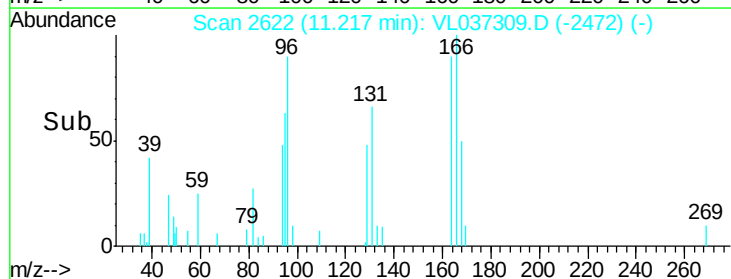
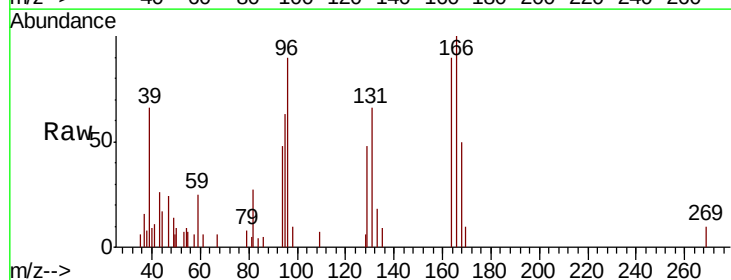
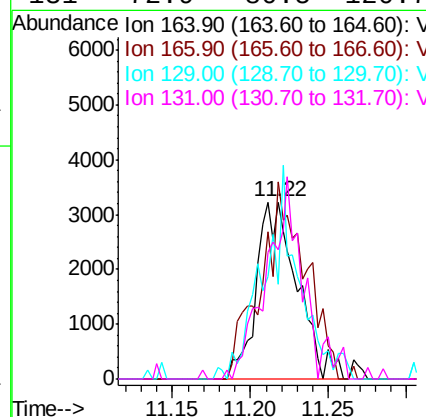
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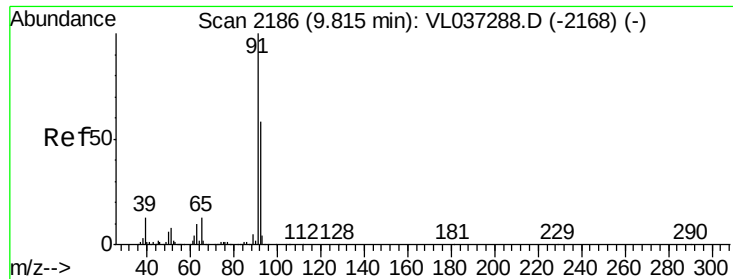
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#52
 Tetrachloroethene
 Concen: 0.043 ppbv m
 RT: 11.22 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.1	100.4	150.6
129	53.8	86.2	129.4#
131	72.9	80.5	120.7#





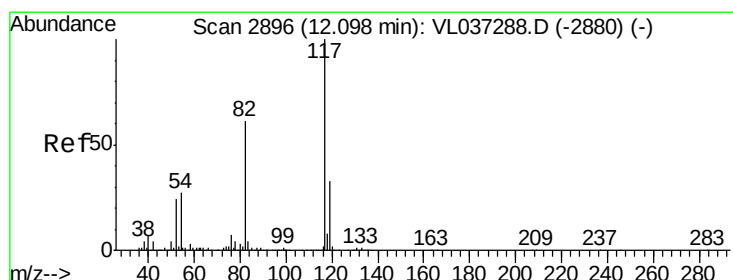
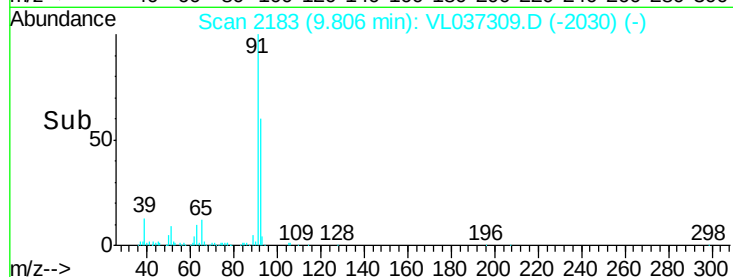
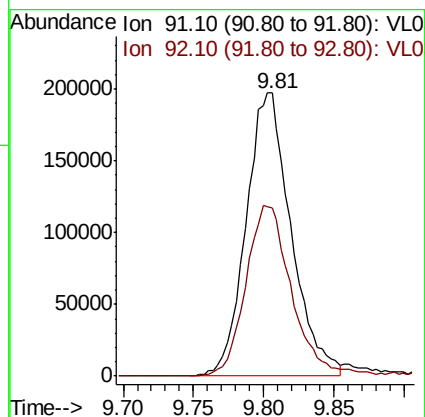
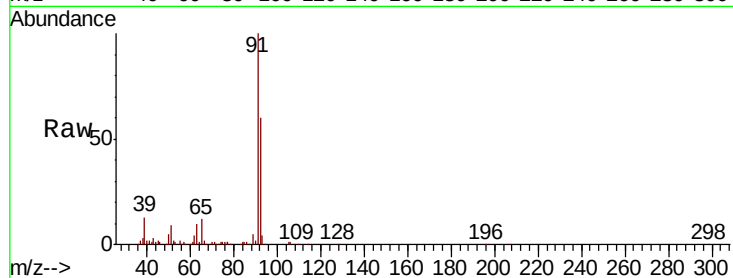
#53
Toluene
Concen: 1.220 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.9	48.2	72.2

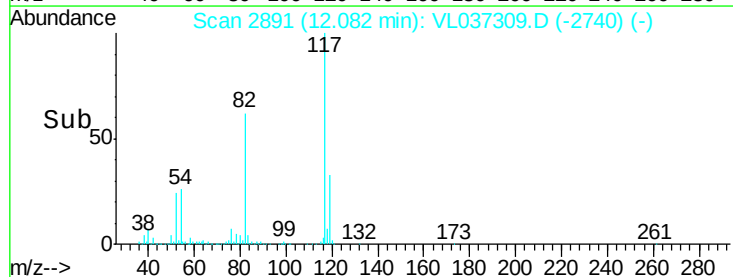
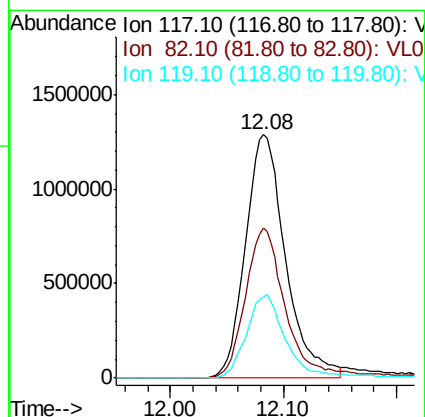
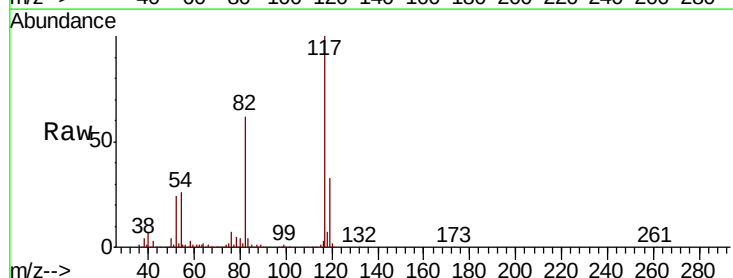
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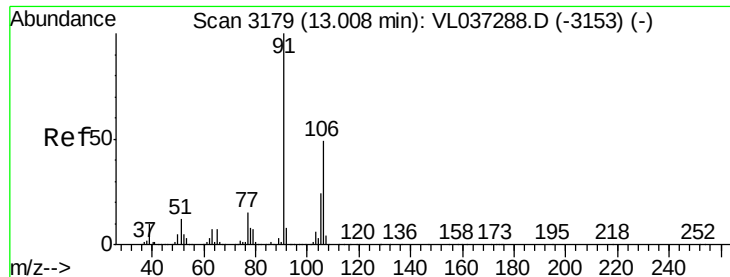
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.5	47.2	70.8
119	34.5	45.8	68.8





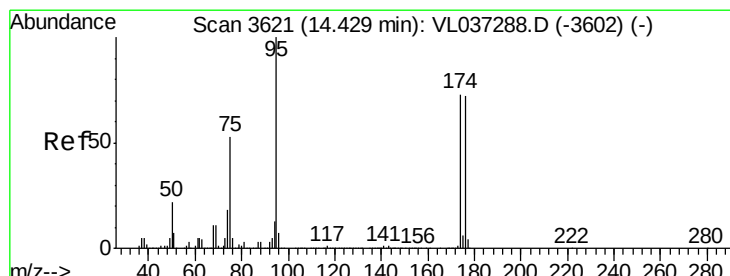
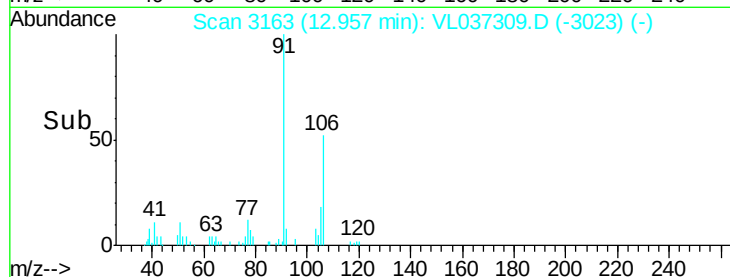
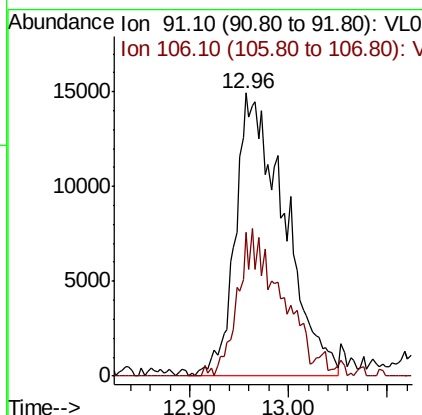
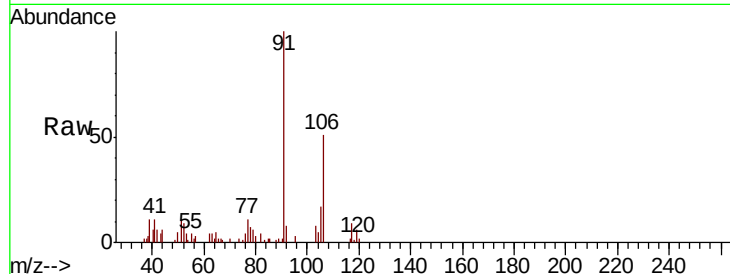
#59
m/p-Xylene
Concen: 0.136 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-2

Tot Ion: 91 Resp: 51346
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9#

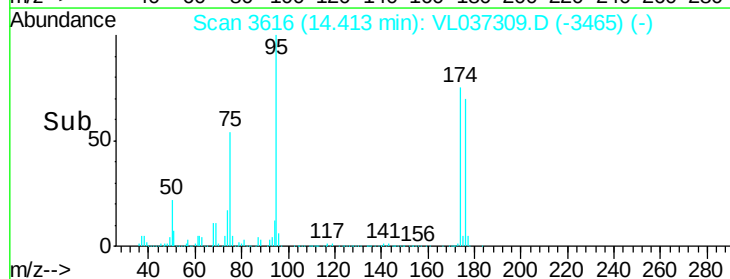
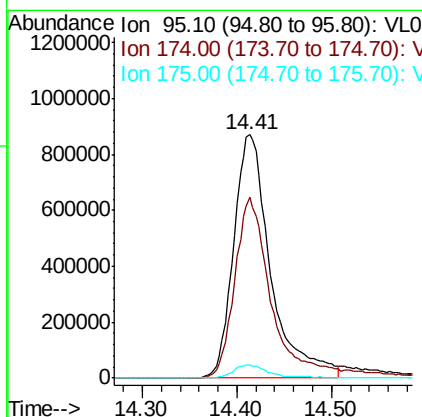
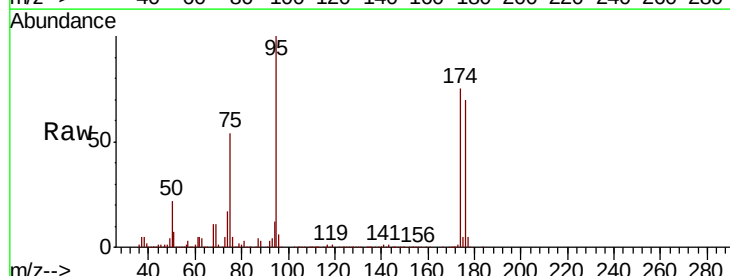
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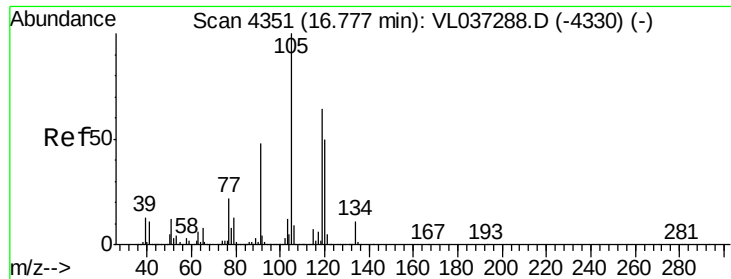
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.266 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.02 min
Lab File: VL037309.D
Acq: 31 Jul 2021 8:38

Tgt Ion: 95 Resp: 2374125
Ion Ratio Lower Upper
95 100
174 77.2 59.8 89.6
175 5.4 4.5 6.7





#74
 1,2,4-Trimethylbenzene
 Concen: 0.152 ppbv m
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037309.D
 Acq: 31 Jul 2021 8:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-2

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
105	105	100		
120	120	44.0	40.2	60.4
91	91	14.4	39.0	58.6
77	77	13.9	17.4	26.0

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