

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037235.D
 Acq On : 23 Jun 2021 6:10
 Operator : SY/AP
 Sample : M2797-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

MMDadoda
 6/25/2021 2:21:27 PM

Quant Time: Jun 24 09:51:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1657673	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4776244	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4209726	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3112461	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	1668906	5.178	ppbv	100
9) Propene	3.01	41	529376	5.136	ppbv	97
13) Ethanol	3.61	45	186417m	11.693	ppbv	
15) Acetone	3.84	43	4280768	22.900	ppbv	94
17) tert-Butyl alcohol	4.30	59	71941	0.416	ppbv #	92
19) Isopropyl Alcohol	3.98	45	47392m	0.419	ppbv	
34) 2-Butanone	5.23	43	7534055	40.559	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	70001m	0.274	ppbv	
51) 2-Hexanone	10.13	43	649827	5.235	ppbv #	96
52) Tetrachloroethene	11.21	164	247734	1.380	ppbv	97
53) Toluene	9.79	91	174570	0.378	ppbv	95
59) m/p-Xylene	12.96	91	154369m	0.314	ppbv	
60) o-Xylene	13.68	91	53011m	0.113	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	82630m	0.156	ppbv	

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

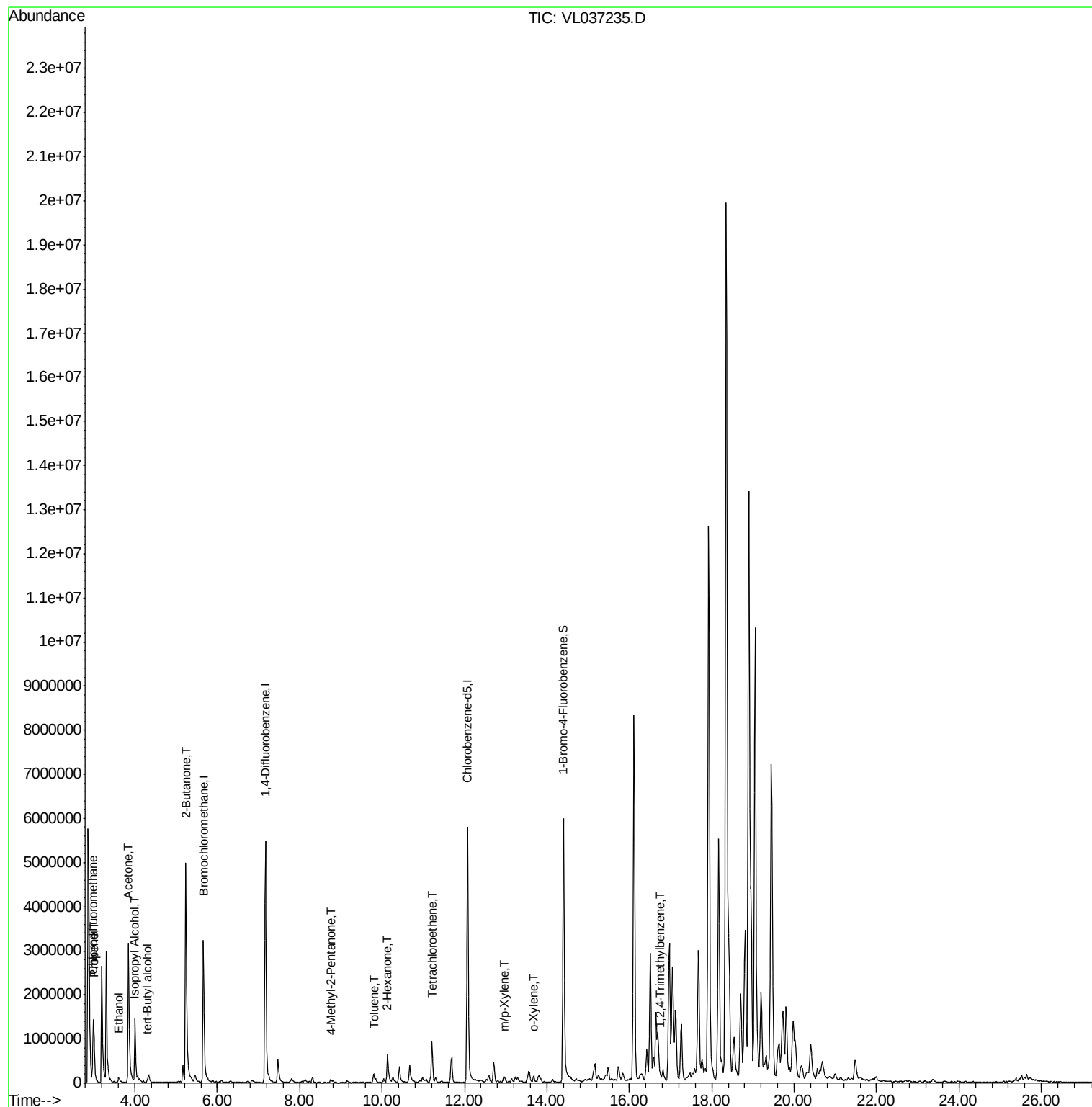
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
Data File : VL037235.D
Acq On : 23 Jun 2021 6:10
Operator : SY/AP
Sample : M2797-02DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

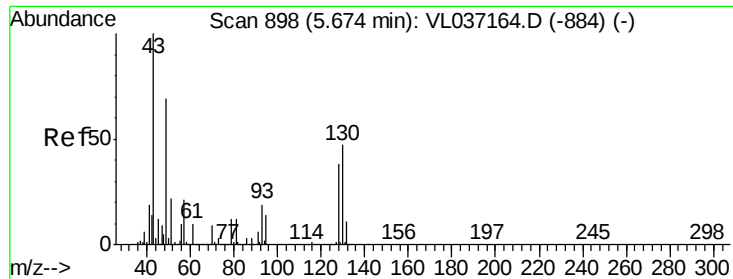
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Manual Integrations
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Quant Time: Jun 24 09:51:31 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 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: VL037235.D

Acq: 23 Jun 2021 6:10

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tot Ion: 49 Resp: 1657673

Ion Ratio Lower Upper

49 100

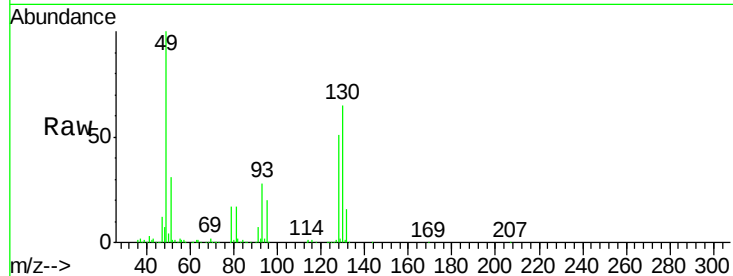
128 53.2 29.3 88.0

130 70.0 35.9 107.8

Manual Integrations
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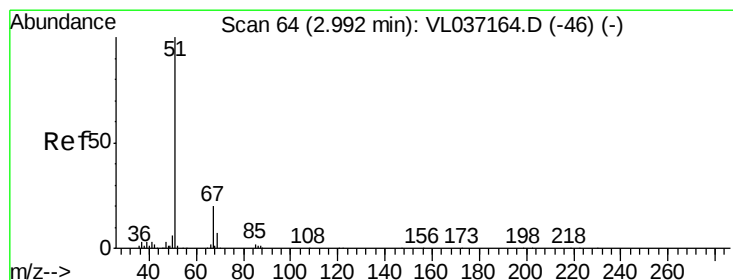
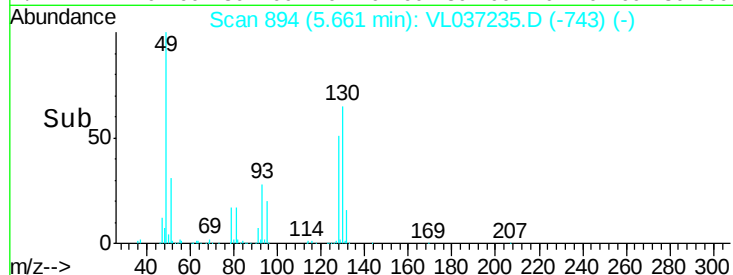
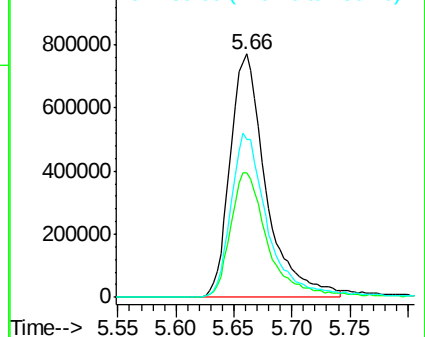
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 5.178 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037235.D

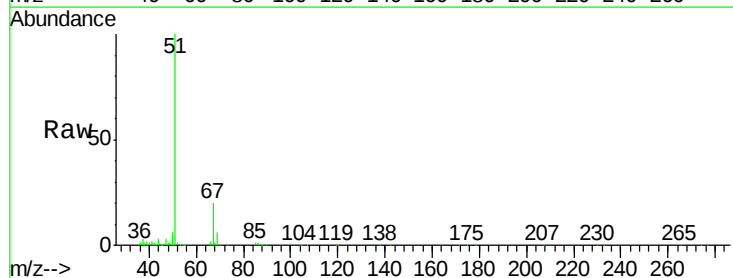
Acq: 23 Jun 2021 6:10

Tgt Ion: 51 Resp: 1668906

Ion Ratio Lower Upper

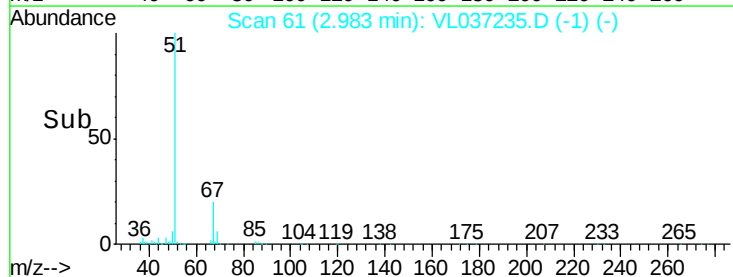
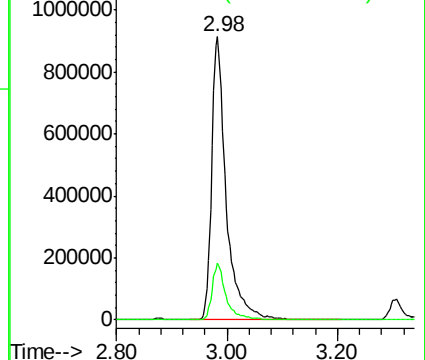
51 100

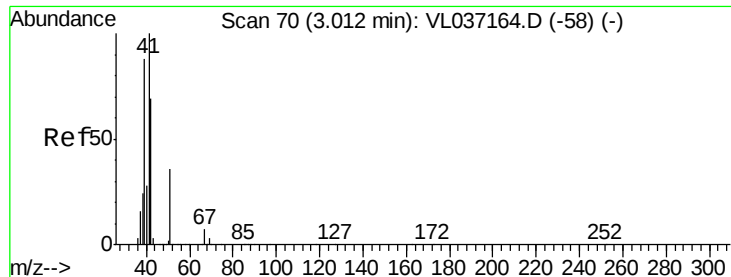
67 19.5 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





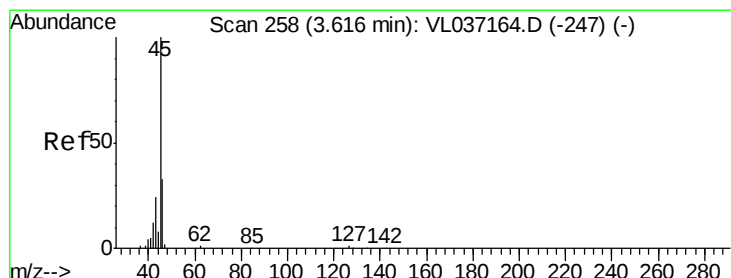
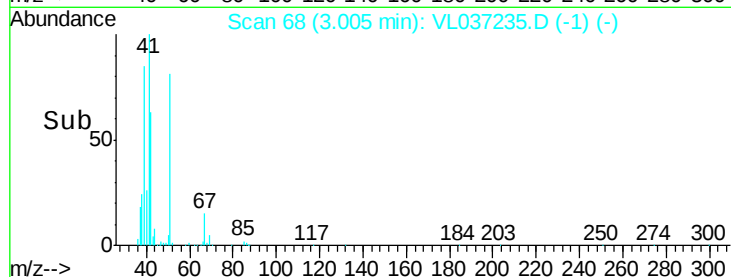
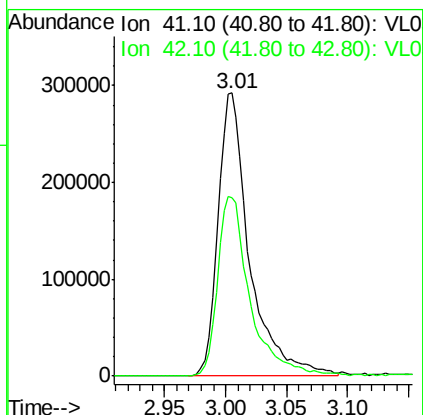
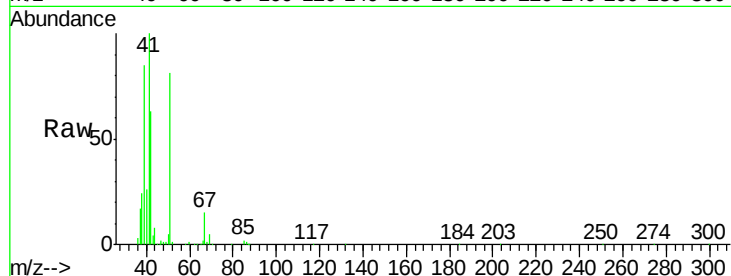
#9
 Propene
 Concen: 5.136 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL037235.D
 Acq: 23 Jun 2021 6:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tot Ion: 41 Resp: 529376
 Ion Ratio Lower Upper
 41 100
 42 65.9 54.5 81.7

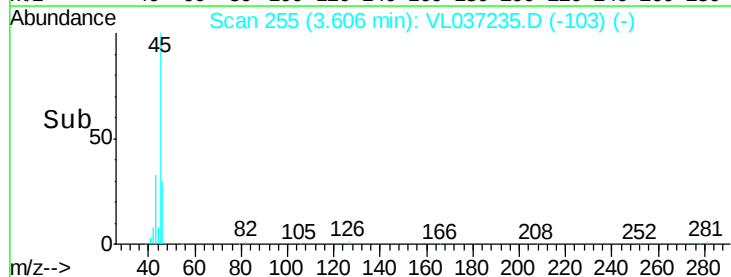
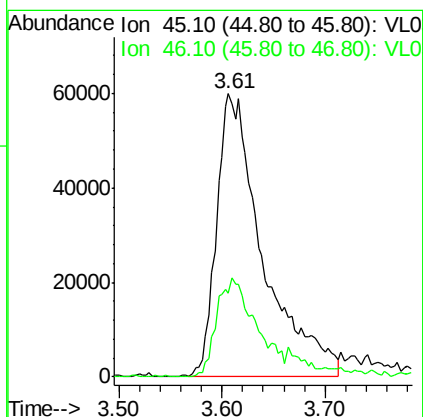
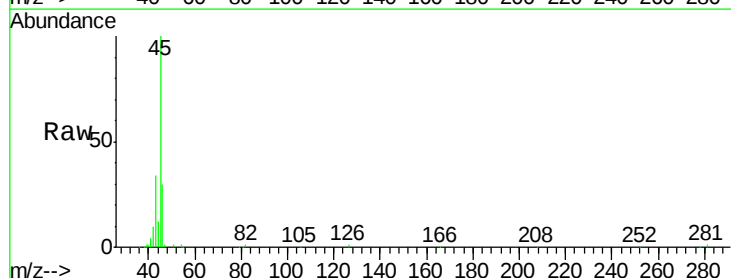
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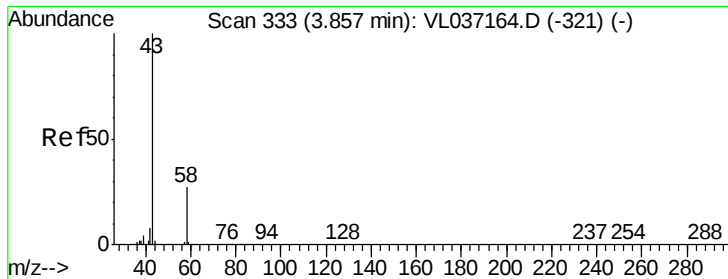
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#13
 Ethanol
 Concen: 11.693 ppbv m
 RT: 3.61 min Scan# 255
 Delta R.T. -0.01 min
 Lab File: VL037235.D
 Acq: 23 Jun 2021 6:10

Tgt Ion: 45 Resp: 186417
 Ion Ratio Lower Upper
 45 100
 46 36.4 34.2 137.0





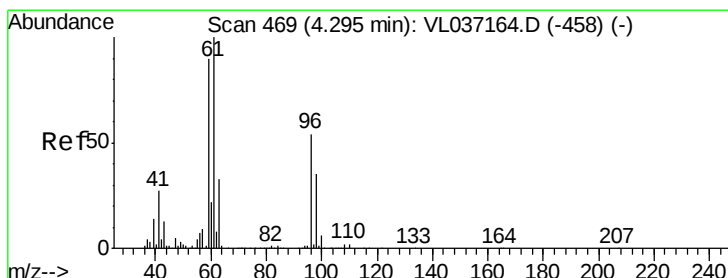
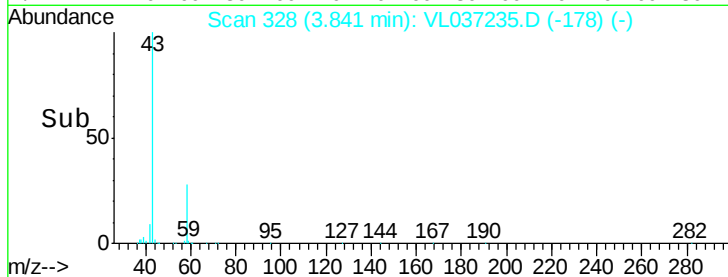
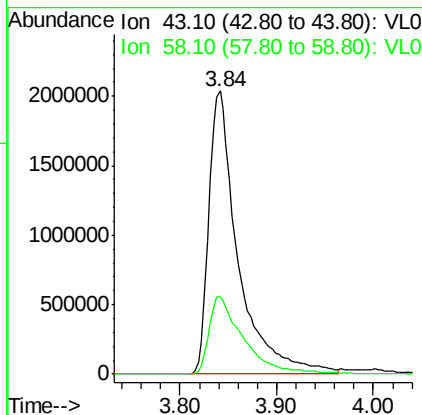
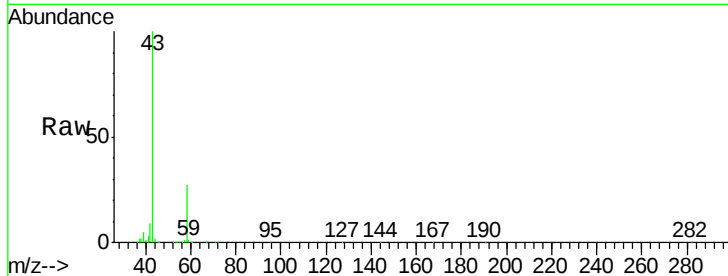
#15
Acetone
Concen: 22.900 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion: 43 Resp: 4280768
Ion Ratio Lower Upper
43 100
58 32.7 23.7 35.5

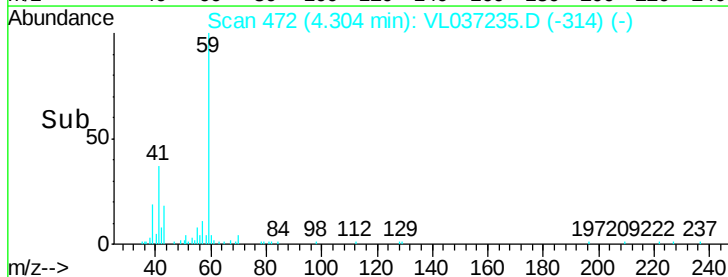
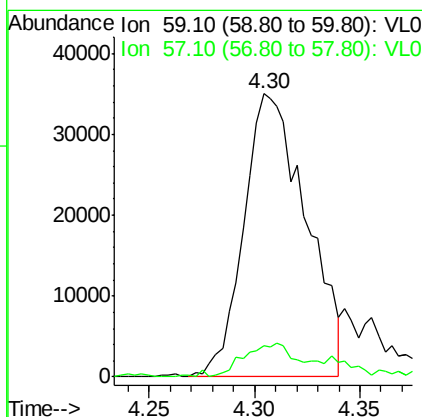
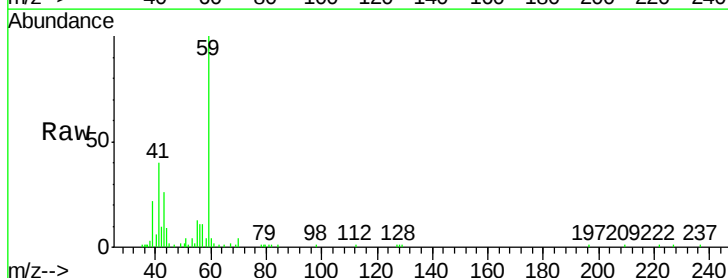
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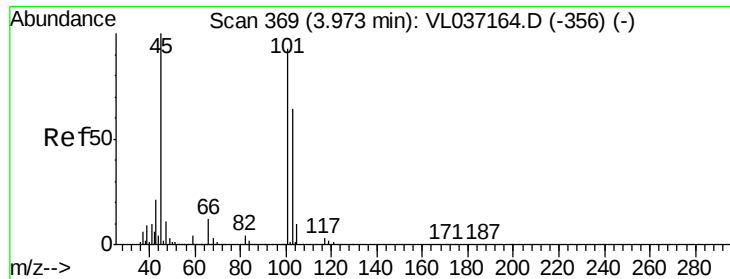
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#17
tert-Butyl alcohol
Concen: 0.416 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Tgt Ion: 59 Resp: 71941
Ion Ratio Lower Upper
59 100
57 14.2 8.8 13.2#





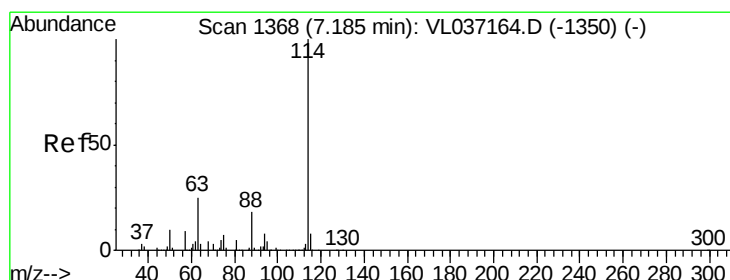
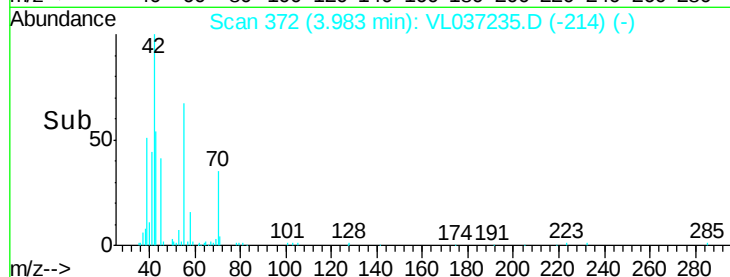
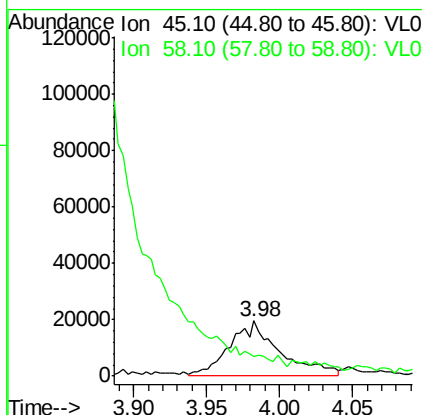
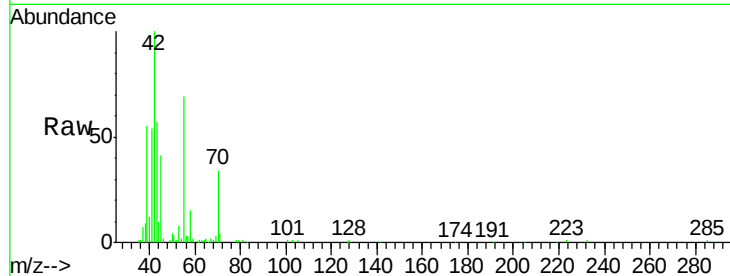
#19
Isopropyl Alcohol
Concen: 0.419 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.01 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Instrument :
MSVOA_L
ClientSampleID :
SV2DL

Tot Ion: 45 Resp: 47392
Ion Ratio Lower Upper
45 100
58 0.0 2.4 3.6#

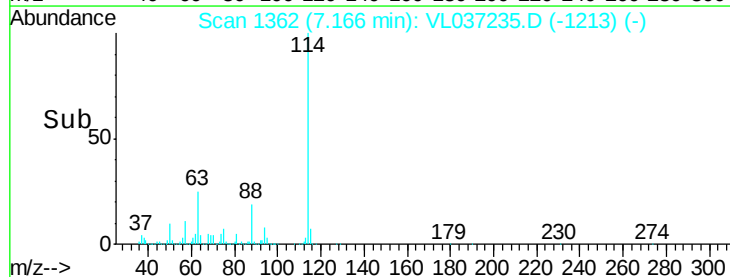
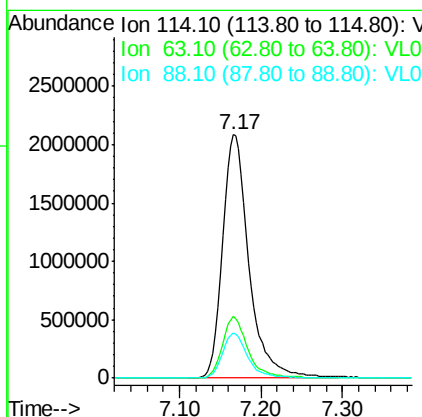
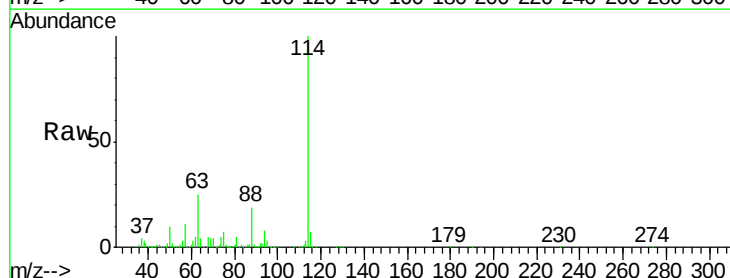
Manual Integrations
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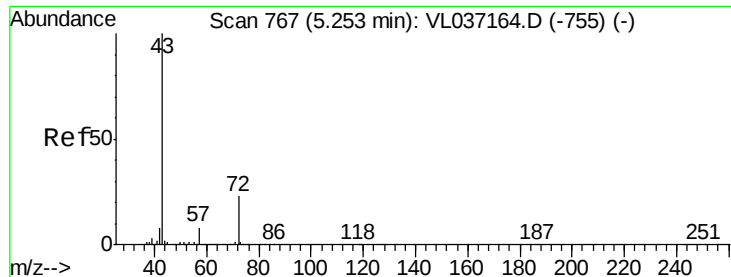
MMDadoda
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Tgt Ion: 114 Resp: 4776244
Ion Ratio Lower Upper
114 100
63 24.5 19.6 29.4
88 18.1 14.2 21.2





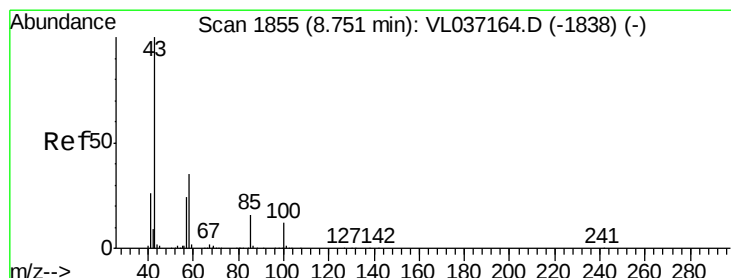
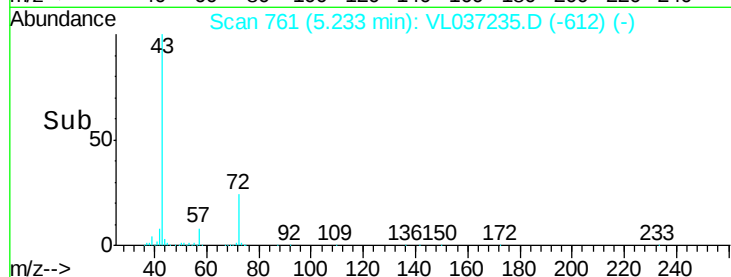
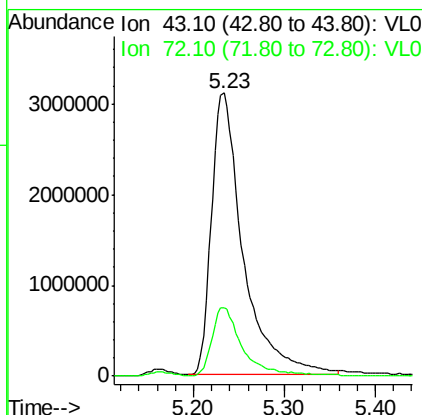
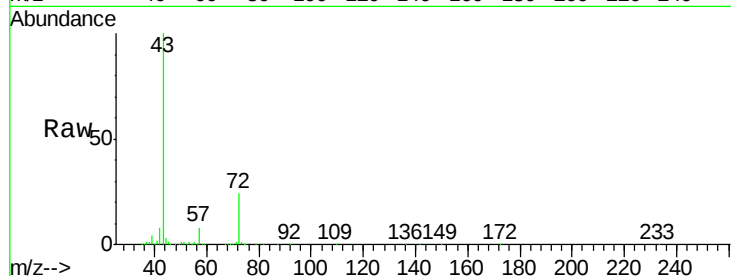
#34
2-Butanone
Concen: 40.559 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion: 43 Resp: 7534055
Ion Ratio Lower Upper
43 100
72 23.8 18.9 28.3

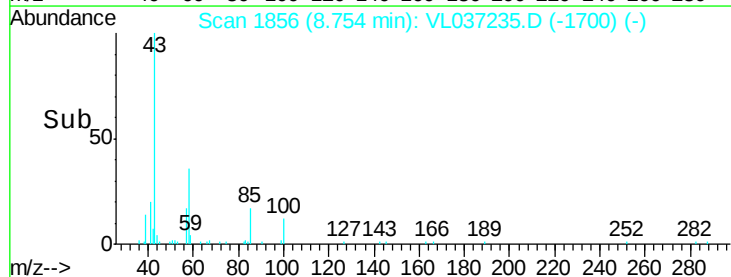
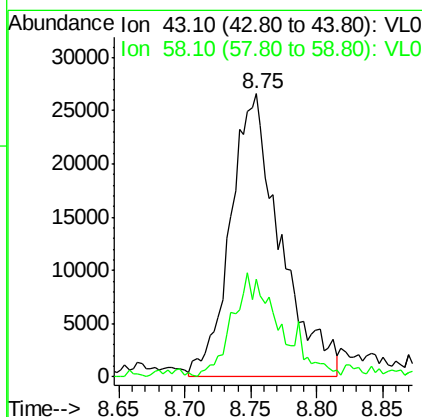
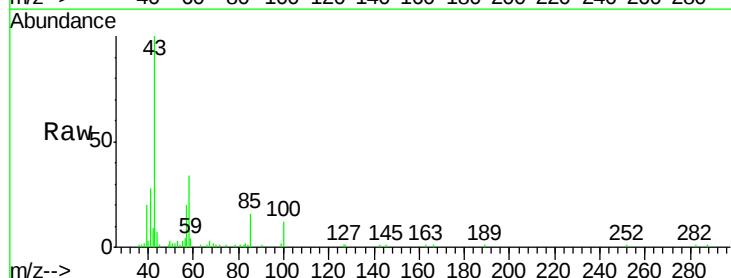
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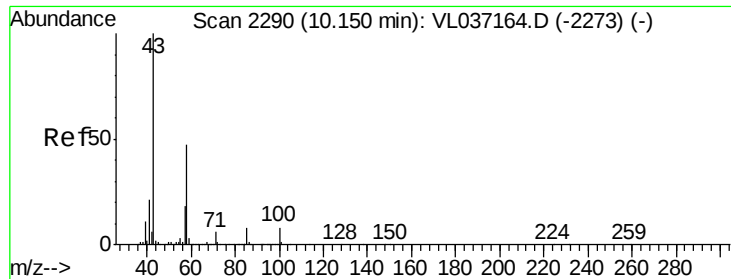
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#50
4-Methyl-2-Pentanone
Concen: 0.274 ppbv m
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Tgt Ion: 43 Resp: 70001
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#





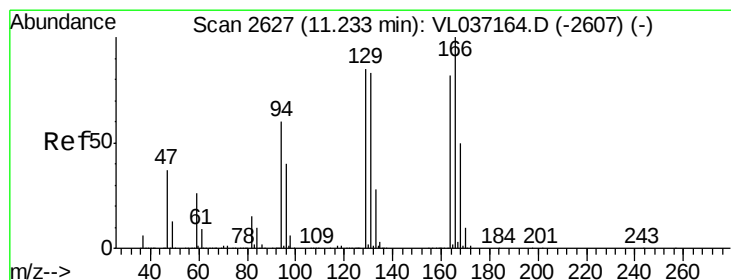
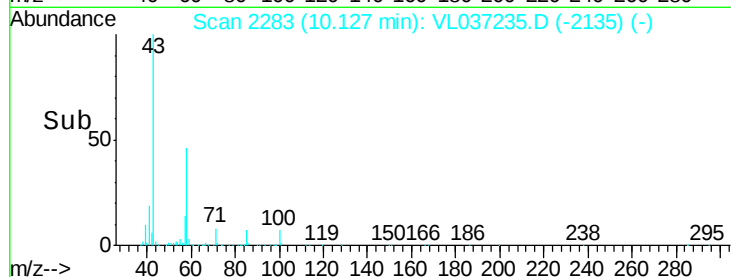
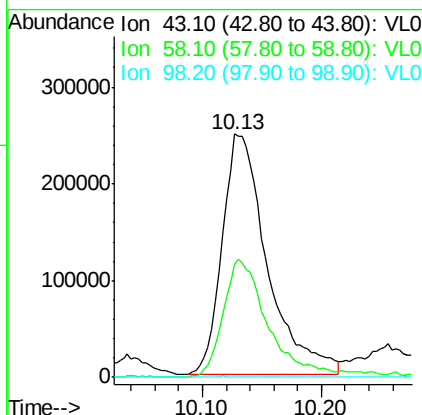
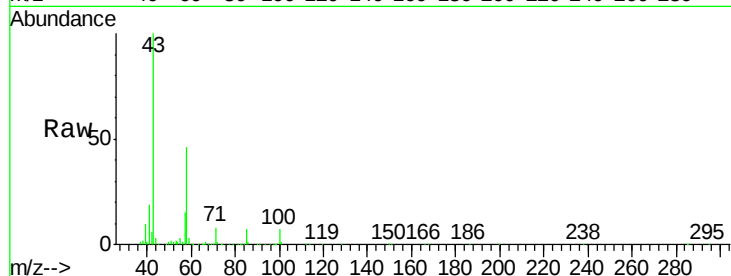
#51
2-Hexanone
Concen: 5.235 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	38.4	57.6
98	0.3	0.3	0.5

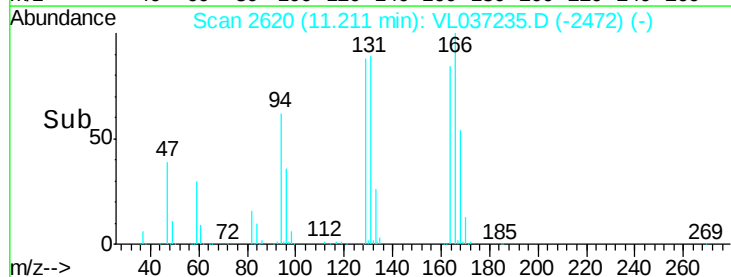
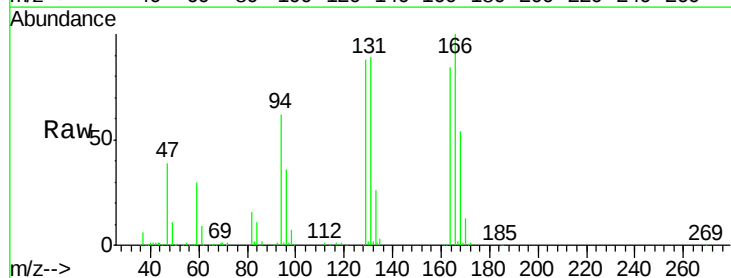
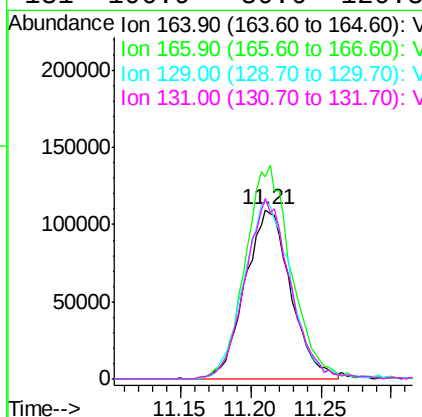
Manual Integrations
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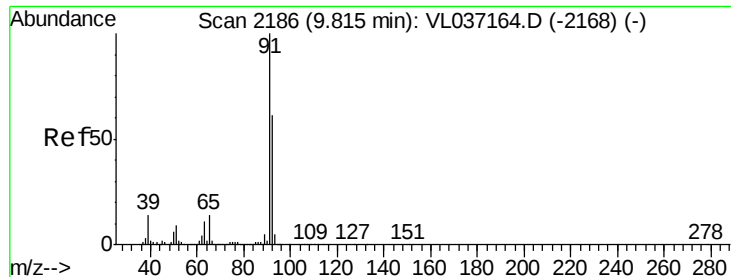
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#52
Tetrachloroethene
Concen: 1.380 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.6	97.6	146.4
129	105.4	82.9	124.3
131	106.9	80.6	120.8





#53

Toluene

Concen: 0.378 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037235.D

Acq: 23 Jun 2021 6:10

Instrument :

MSVOA_L

ClientSampled :

SV2DL

Tot Ion: 91 Resp: 174570

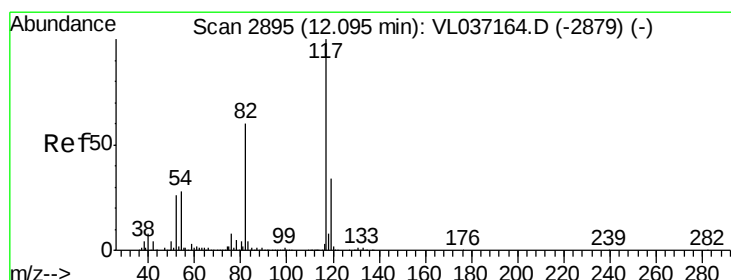
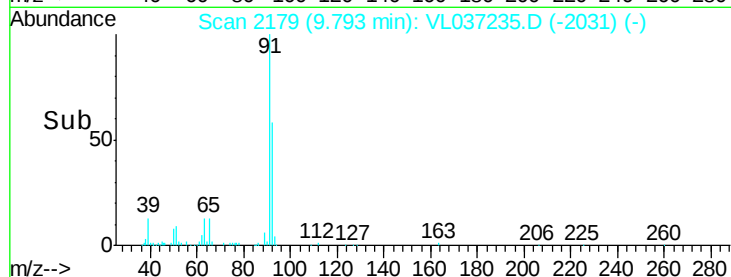
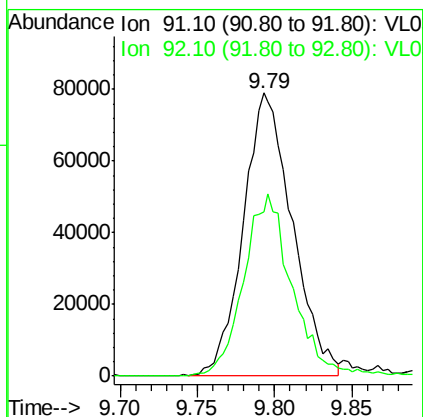
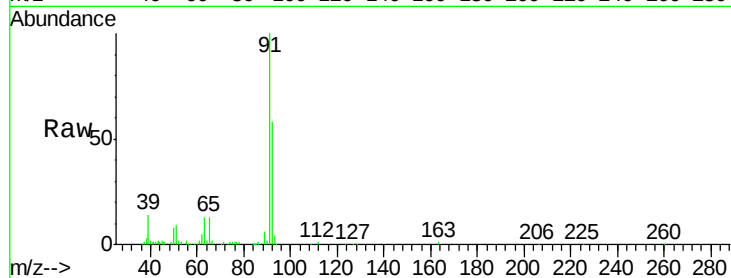
Ion Ratio Lower Upper

91 100

92 64.2 48.3 72.5

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL037235.D

Acq: 23 Jun 2021 6:10

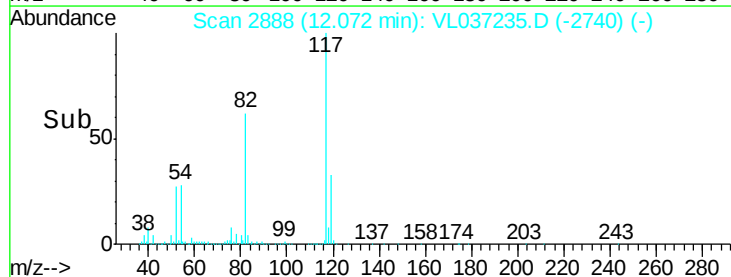
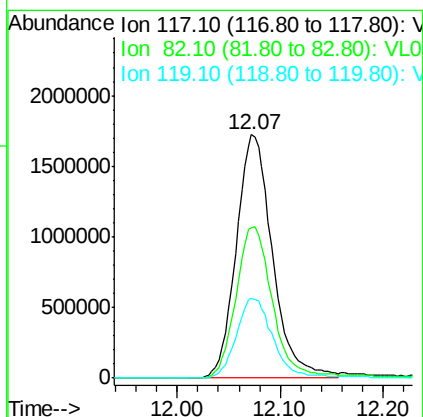
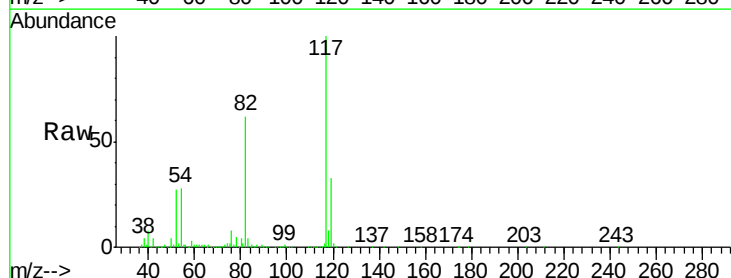
Tgt Ion: 117 Resp: 4209726

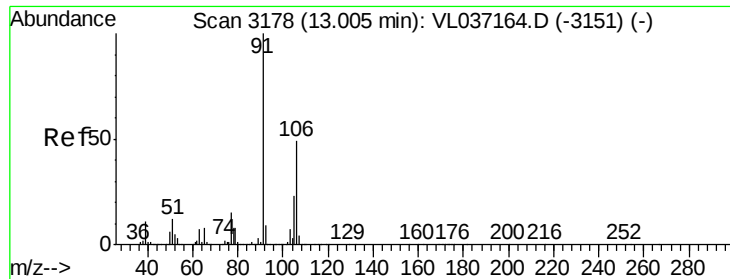
Ion Ratio Lower Upper

117 100

82 64.2 51.7 77.5

119 33.8 47.6 71.4#





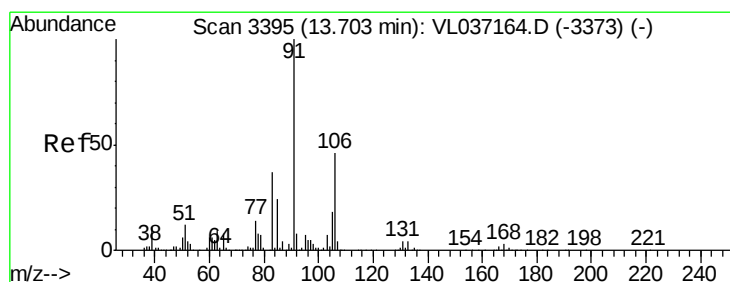
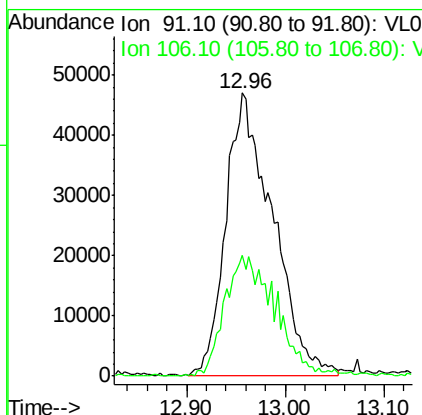
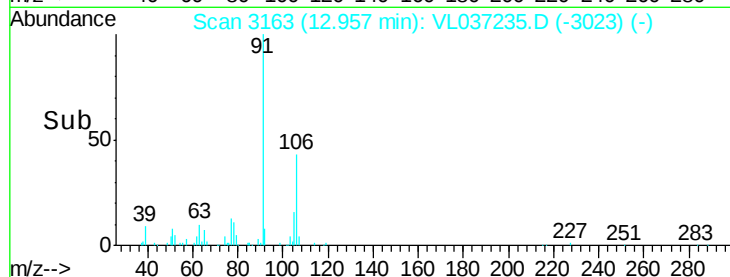
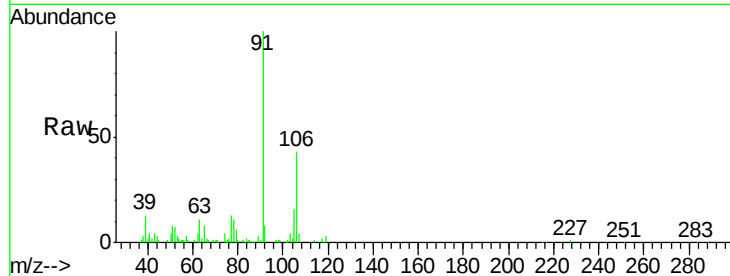
#59
m/p-Xylene
Concen: 0.314 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion: 91 Resp: 154369
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

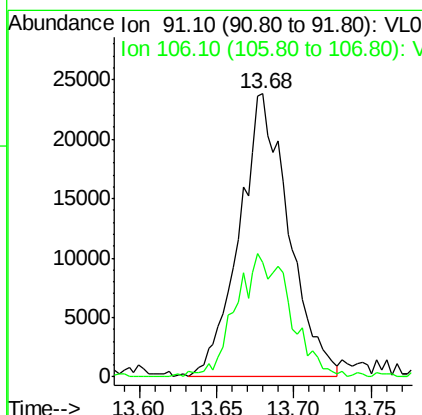
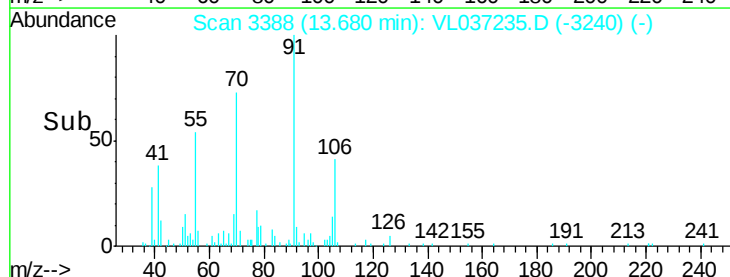
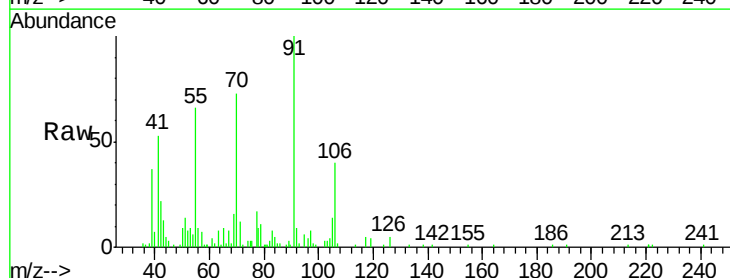
Manual Integrations
APPROVED

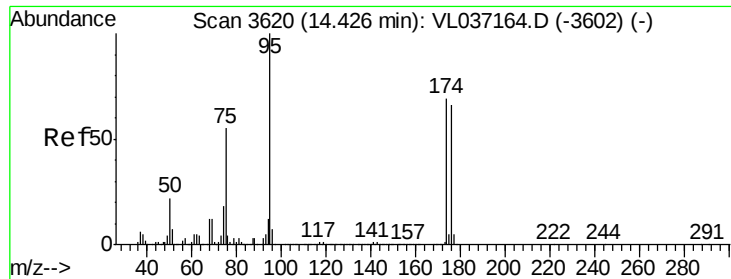
MMDadoda
6/25/2021 2:21:27 PM



#60
o-Xylene
Concen: 0.113 ppbv m
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL037235.D
Acq: 23 Jun 2021 6:10

Tgt Ion: 91 Resp: 53011
Ion Ratio Lower Upper
91 100
106 47.8 23.0 69.0





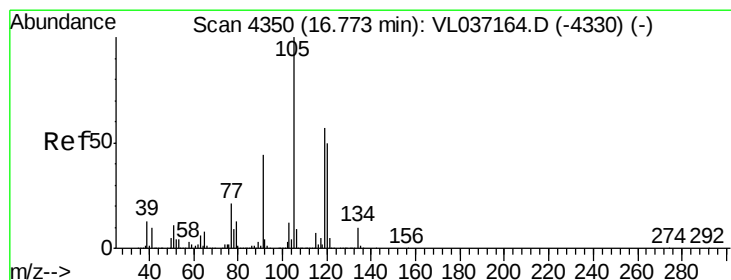
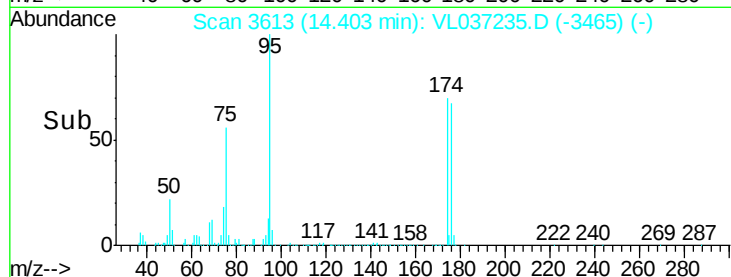
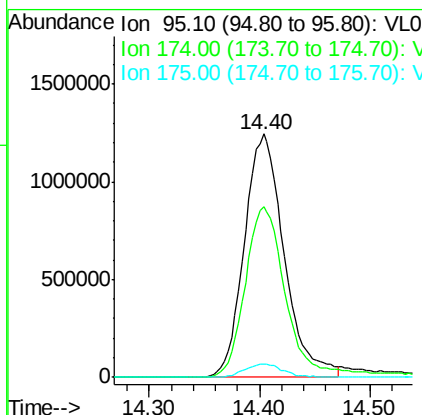
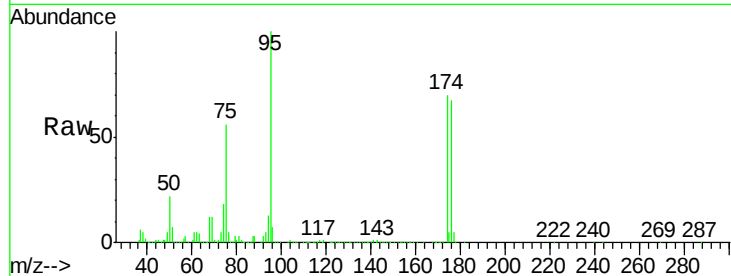
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.757 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.02 min
 Lab File: VL037235.D
 Acq: 23 Jun 2021 6:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tot Ion: 95 Resp: 3112461
 Ion Ratio Lower Upper
 95 100
 174 74.8 57.0 85.4
 175 5.5 4.4 6.6

Manual Integrations
 APPROVED

MMDadoda
 6/25/2021 2:21:27 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.156 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.02 min
 Lab File: VL037235.D
 Acq: 23 Jun 2021 6:10

Tgt Ion: 105 Resp: 82630
 Ion Ratio Lower Upper
 105 100
 120 46.2 39.8 59.8
 91 13.9 37.0 55.4#
 77 17.5 17.0 25.4

