

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037329.D
 Acq On : 5 Aug 2021 5:22
 Operator : SY/AP
 Sample : M3211-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL

Manual Integrations
 APPROVED

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Quant Time: Aug 05 06:00:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1125152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3739185	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3253916	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2268603	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12645m	0.153	ppbv	
13) Ethanol	3.63	45	24152m	1.938	ppbv	
15) Acetone	3.84	43	376330	3.079	ppbv #	88
19) Isopropyl Alcohol	4.00	45	19887m	0.294	ppbv	
20) Methylene Chloride	4.34	84	279930	2.766	ppbv	97
26) Hexane	5.68	57	170289	0.958	ppbv #	48
32) 1,1,1-Trichloroethane	6.50	97	30469m	0.142	ppbv	
34) 2-Butanone	5.25	43	153013m	1.179	ppbv	
38) Trichloroethene	7.83	130	42824m	0.291	ppbv	
41) Tetrahydrofuran	6.05	42	304174	4.215	ppbv	98
52) Tetrachloroethene	11.21	164	288618	1.991	ppbv	95
53) Toluene	9.80	91	272438	0.686	ppbv	97
59) m/p-Xylene	12.95	91	47982m	0.119	ppbv	

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

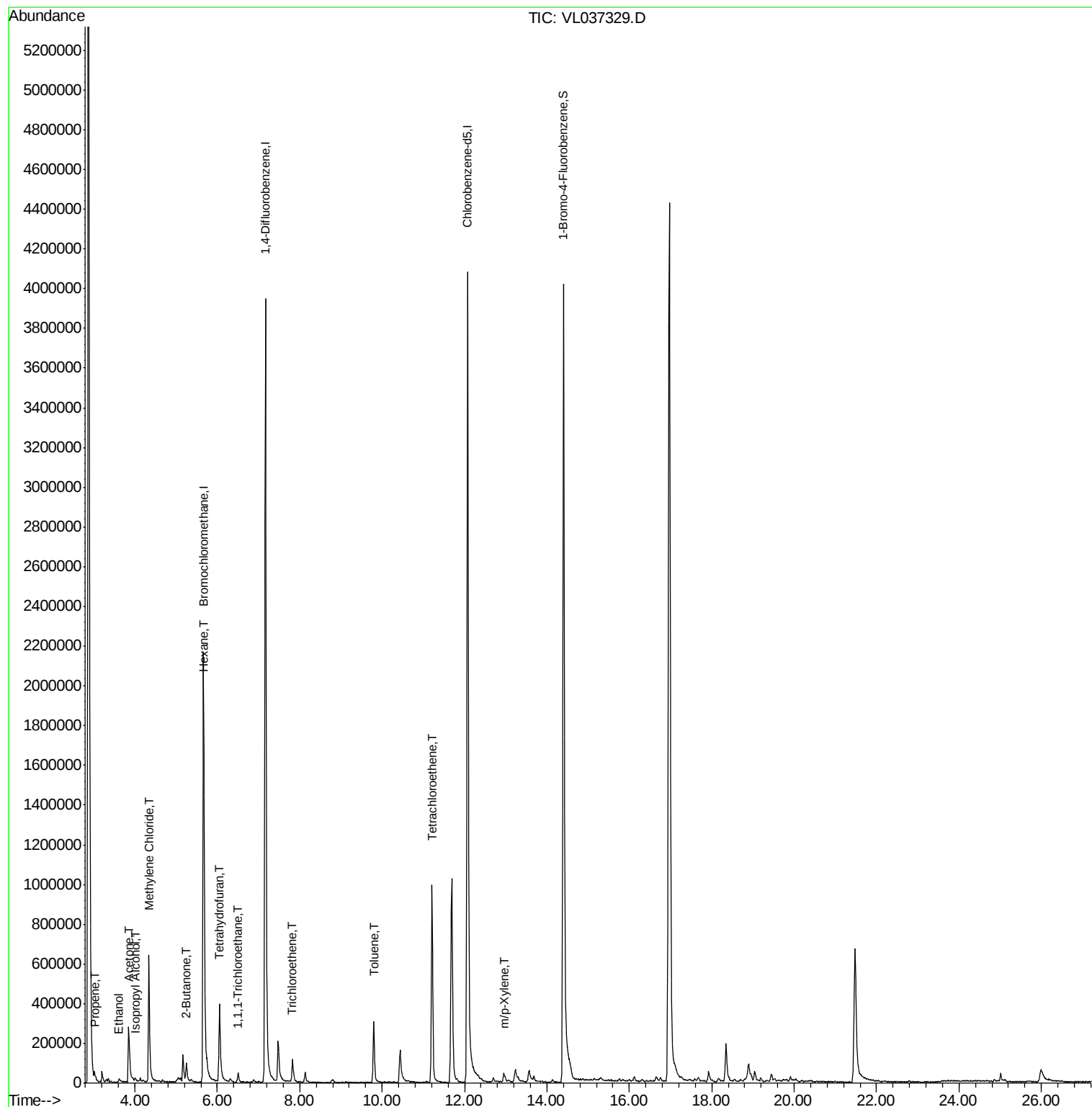
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037329.D
Acq On : 5 Aug 2021 5:22
Operator : SY/AP
Sample : M3211-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

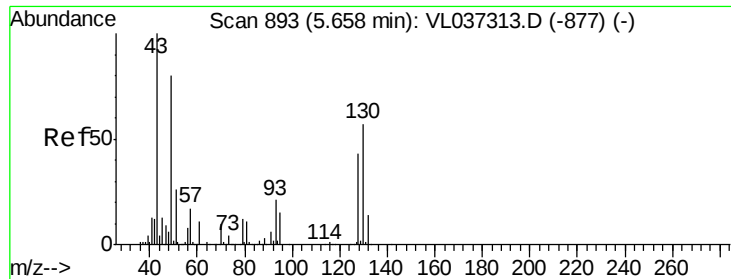
Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Manual Integrations
APPROVED

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Quant Time: Aug 05 06:00:51 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration





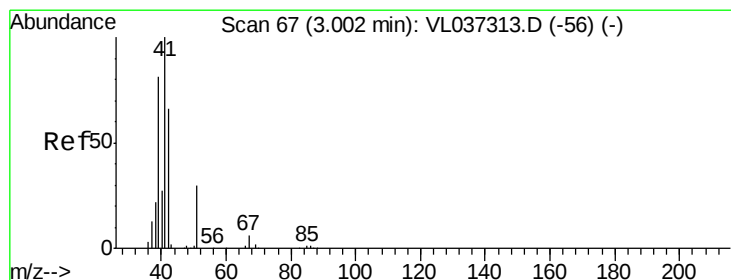
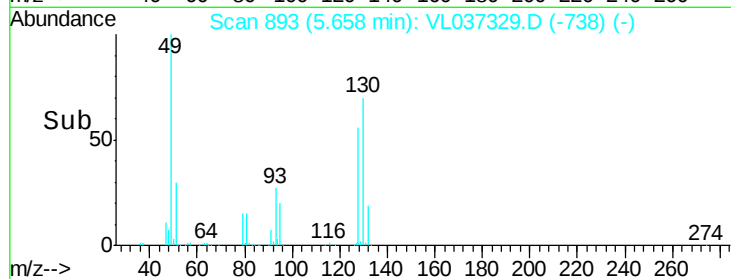
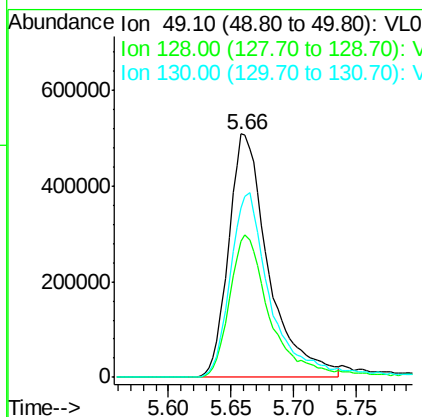
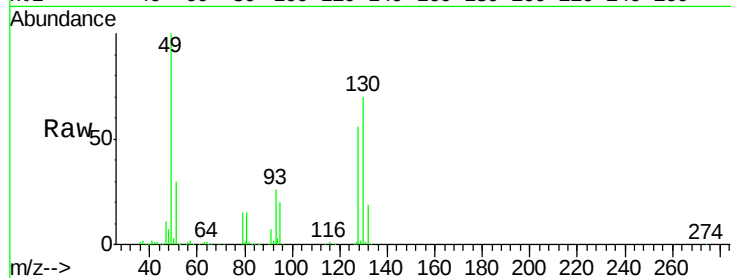
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tot Ion: 49 Resp: 1125152
Ion Ratio Lower Upper
49 100
128 60.1 29.8 89.5
130 79.3 37.5 112.7

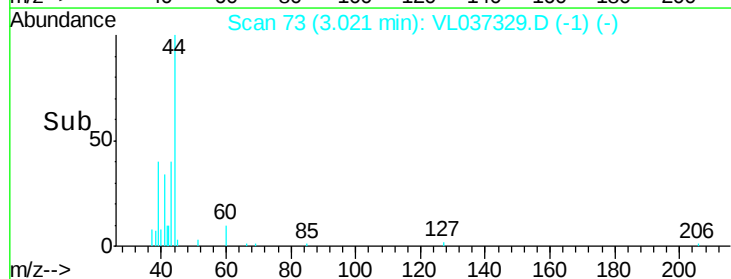
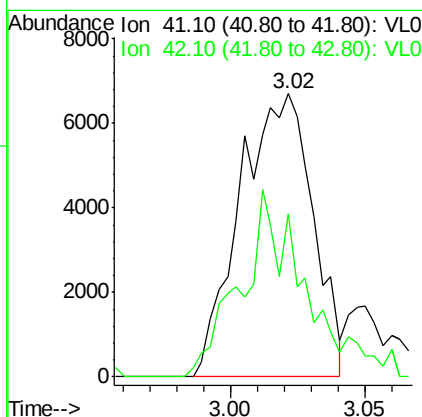
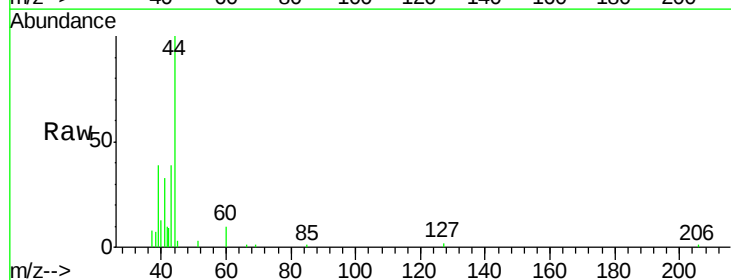
Manual Integrations
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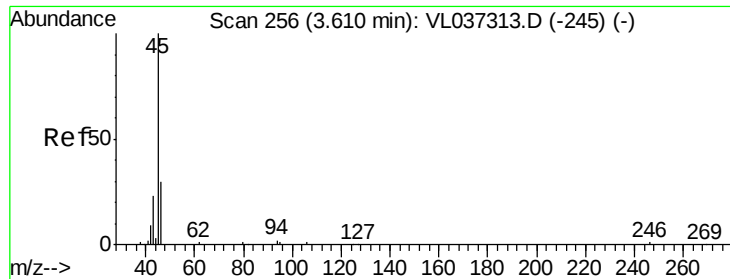
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#9
Propene
Concen: 0.153 ppbv m
RT: 3.02 min Scan# 73
Delta R.T. 0.02 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Tgt Ion: 41 Resp: 12645
Ion Ratio Lower Upper
41 100
42 59.7 53.8 80.8





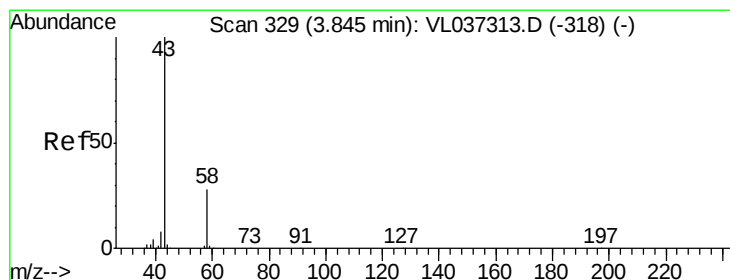
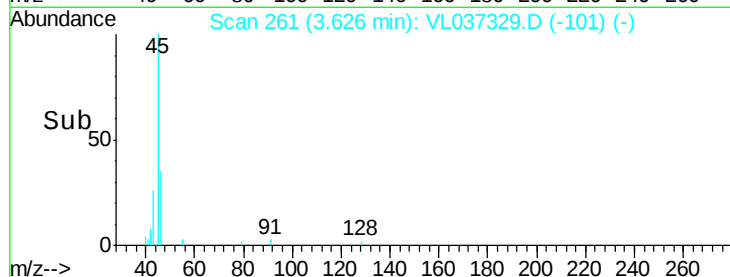
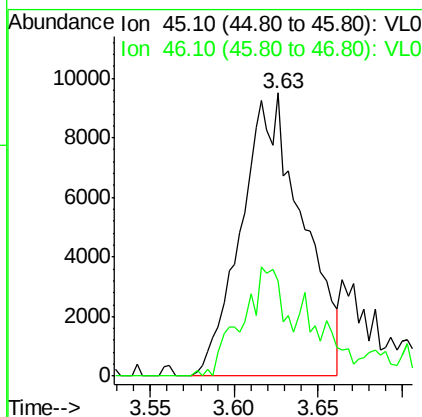
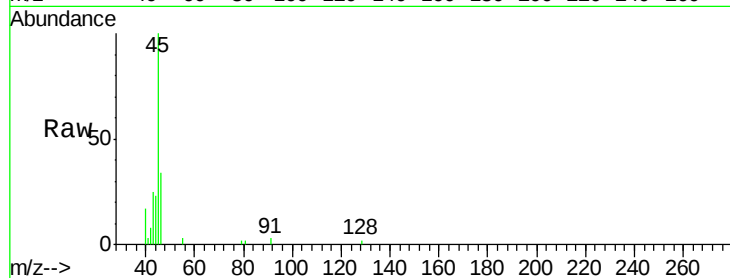
#13
Ethanol
Concen: 1.938 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Instrument :
MSVOA_L
ClientSampled :
SVP-1DL

Tot Ion	45	Resp	24152
Ion Ratio	100	Lower	Upper
46	39.2	16.6	66.4

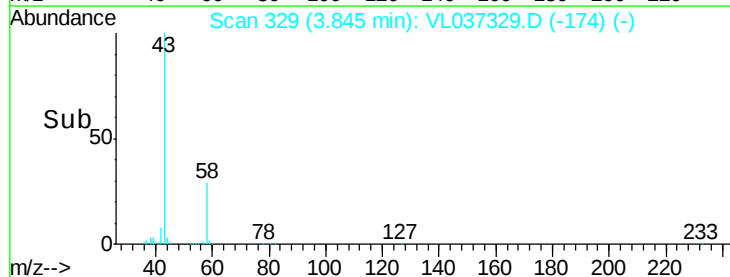
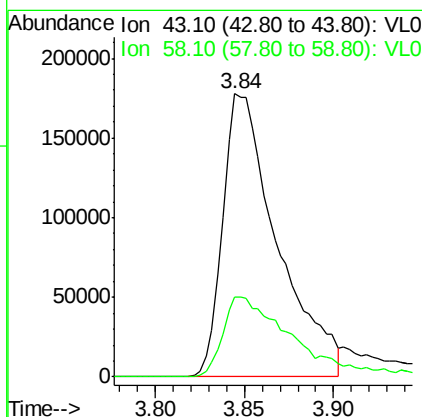
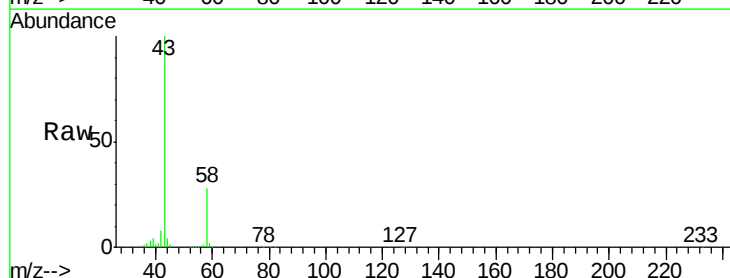
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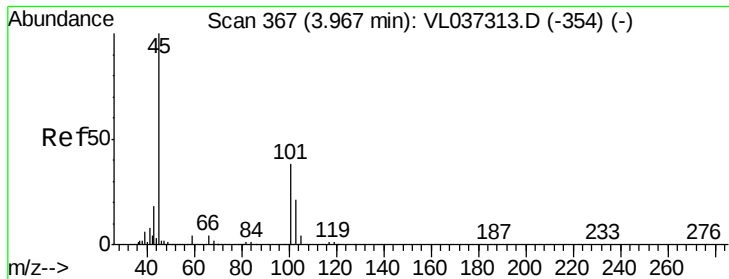
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#15
Acetone
Concen: 3.079 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Tgt Ion	43	Resp	376330
Ion Ratio	100	Lower	Upper
58	38.3	25.3	37.9#





#19

Isopropyl Alcohol

Concen: 0.294 ppbv m

RT: 4.00 min Scan# 377

Delta R.T. 0.03 min

Lab File: VL037329.D

Acq: 5 Aug 2021 5:22

Instrument :

MSVOA_L

ClientSampleId :

SVP-1DL

Tot Ion: 45 Resp: 19887

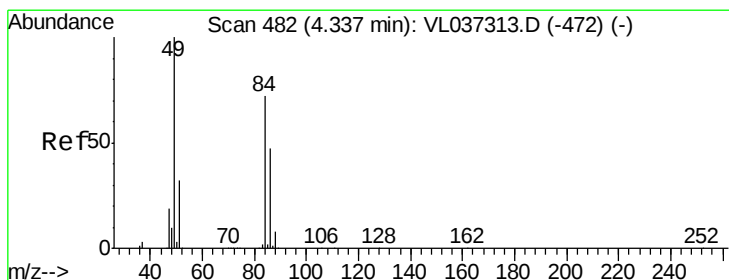
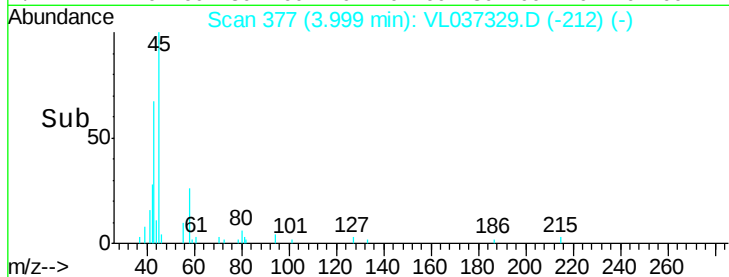
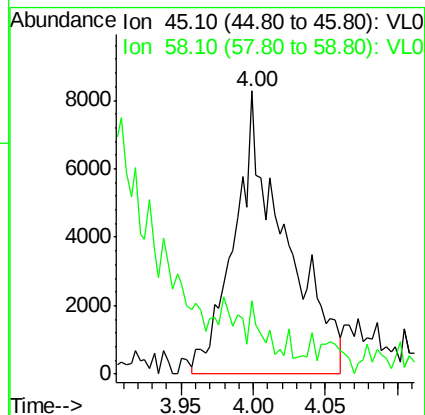
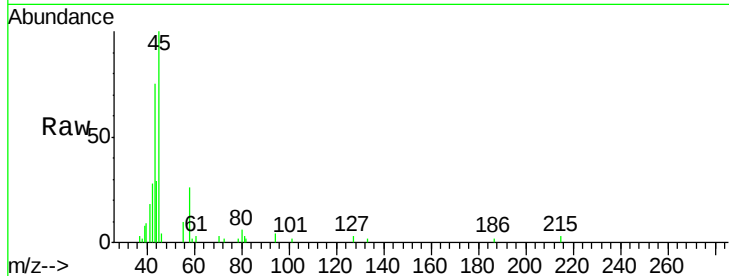
Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#

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#20

Methylene Chloride

Concen: 2.766 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037329.D

Acq: 5 Aug 2021 5:22

Tgt Ion: 84 Resp: 279930

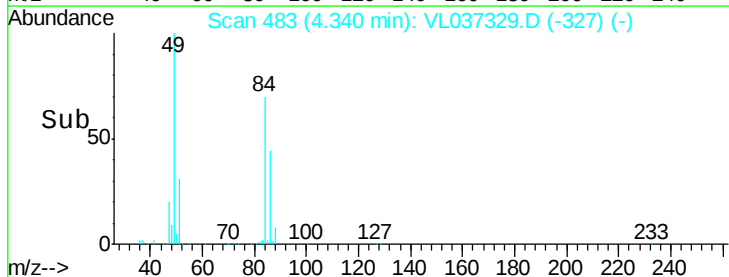
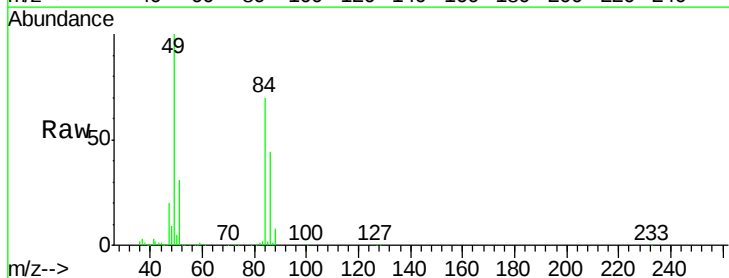
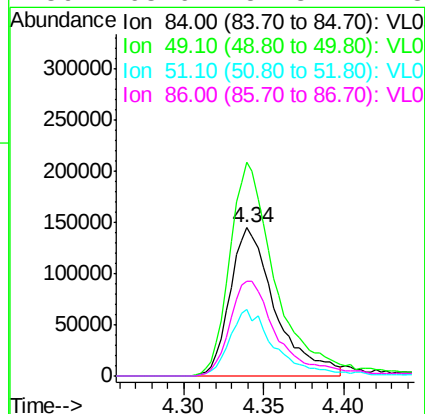
Ion Ratio Lower Upper

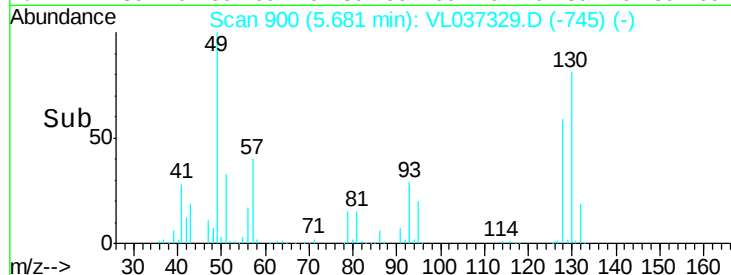
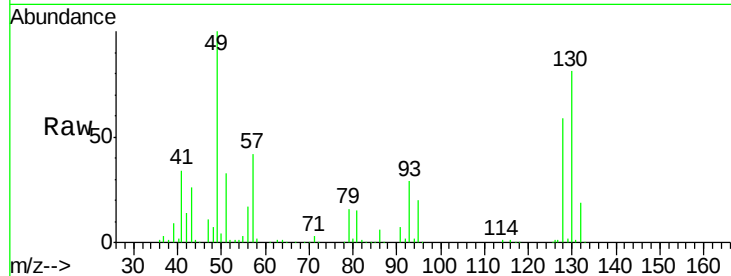
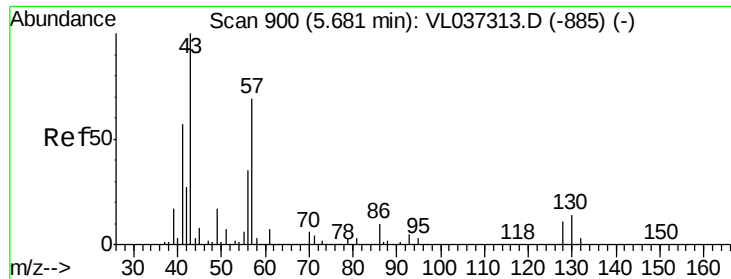
84 100

49 143.6 110.4 165.6

51 44.6 35.8 53.6

86 63.6 51.8 77.8





#26

Hexane

Concen: 0.958 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL037329.D

Acq: 5 Aug 2021 5:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100		170289		
41	87.6	67.5	101.3		
43	72.5	163.0	244.4#		
56	53.2	41.5	62.3		

Instrument :

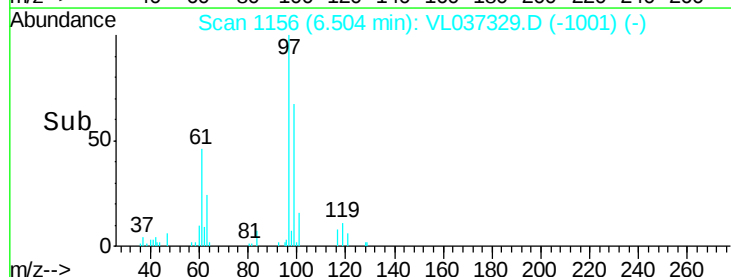
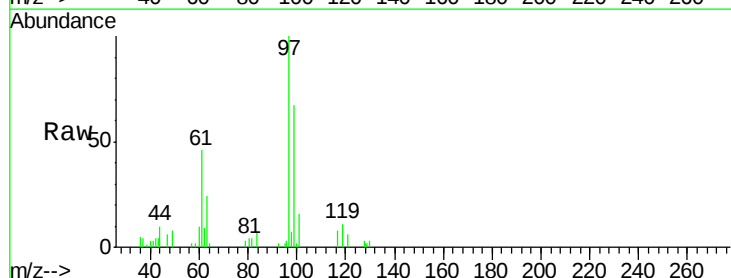
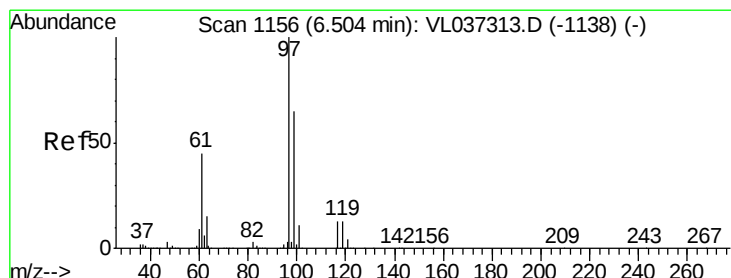
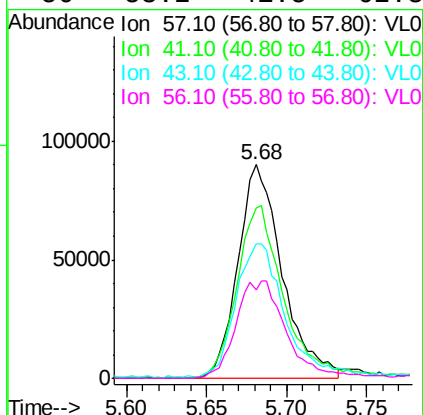
MSVOA_L

ClientSampleId :

SVP-1DL

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#32

1,1,1-Trichloroethane

Concen: 0.142 ppbv m

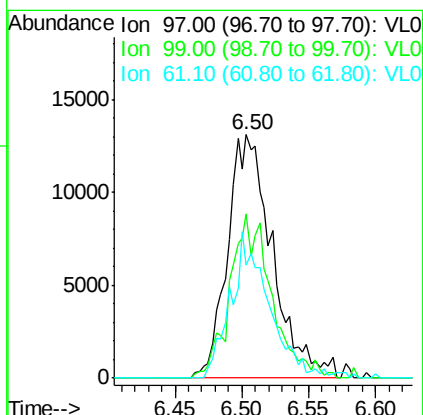
RT: 6.50 min Scan# 1156

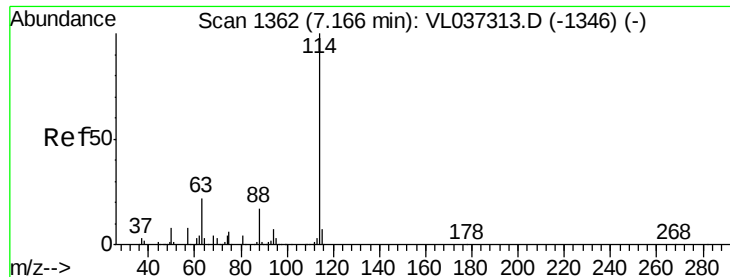
Delta R.T. -0.00 min

Lab File: VL037329.D

Acq: 5 Aug 2021 5:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30469		
99	62.7	52.3	78.5		
61	52.0	37.2	55.8		





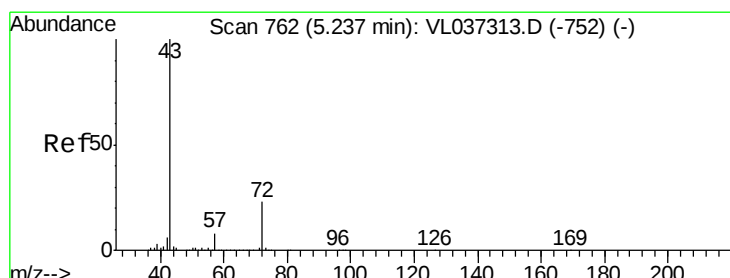
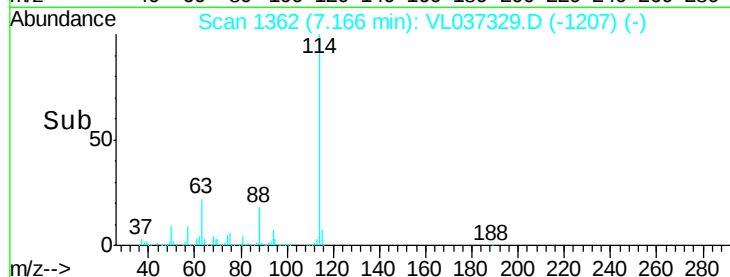
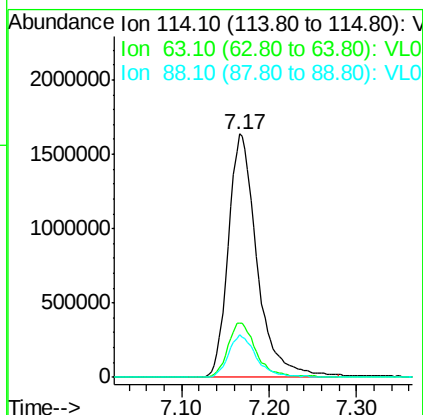
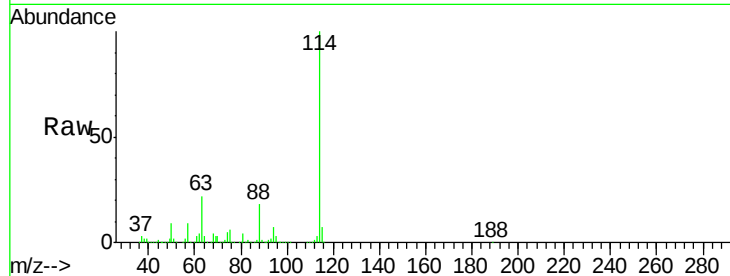
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037329.D
 Acq: 5 Aug 2021 5:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL

Tot Ion:114 Resp: 3739185
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.1 27.1
 88 17.1 13.8 20.8

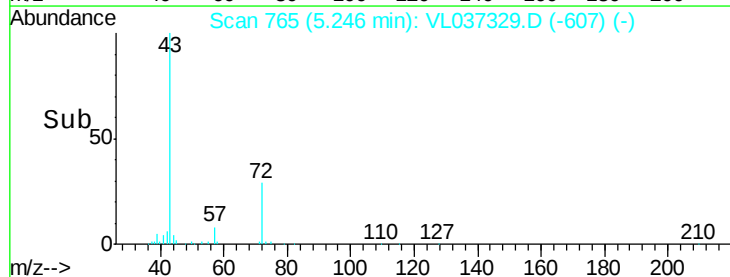
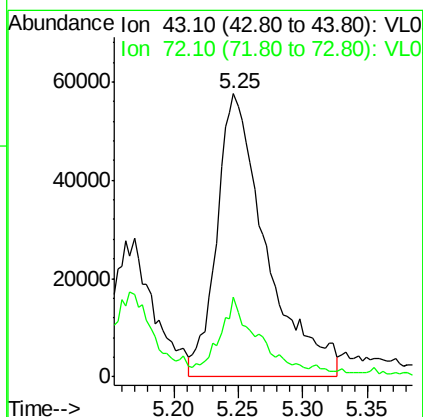
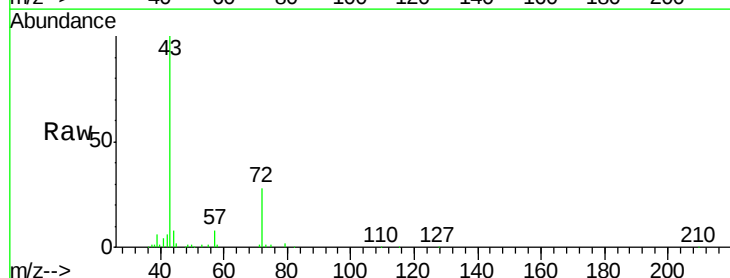
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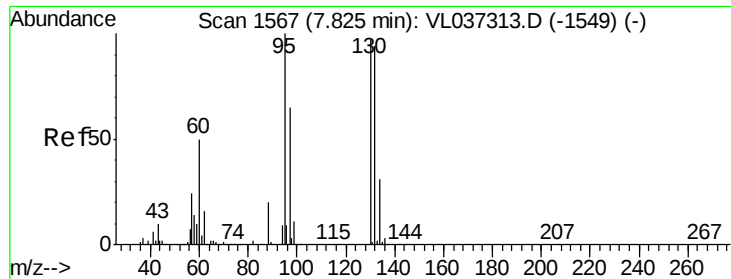
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#34
 2-Butanone
 Concen: 1.179 ppbv m
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL037329.D
 Acq: 5 Aug 2021 5:22

Tgt Ion: 43 Resp: 153013
 Ion Ratio Lower Upper
 43 100
 72 24.9 20.3 30.5





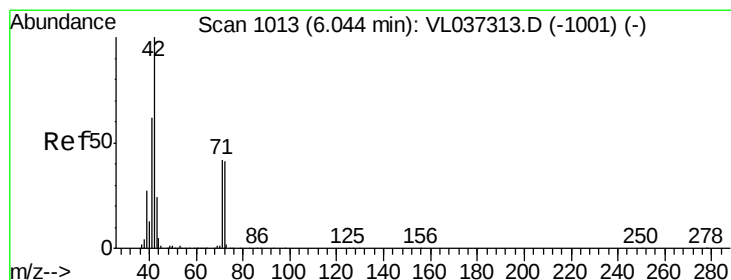
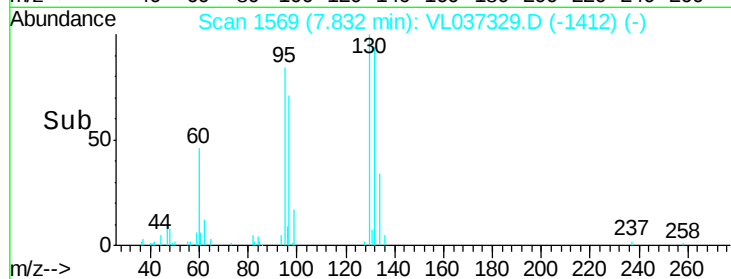
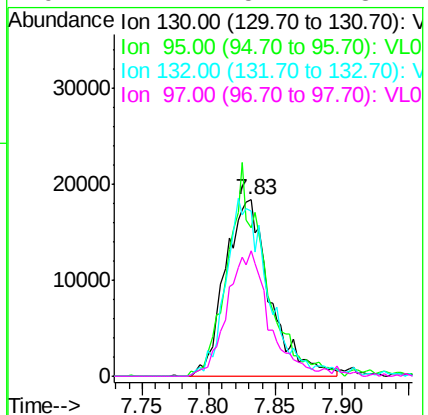
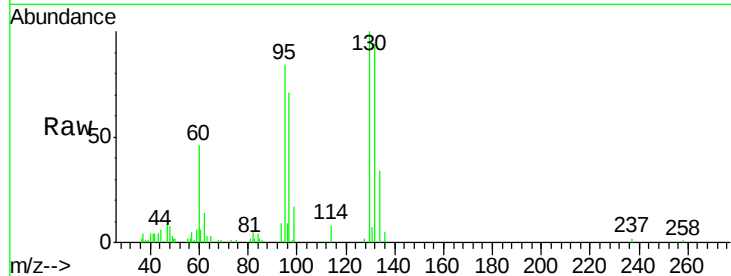
#38
 Trichloroethene
 Concen: 0.291 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL037329.D
 Acq: 5 Aug 2021 5:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		42824		
95	84.5		82.8	124.2	
132	93.7		78.2	117.4	
97	71.1		54.2	81.2	

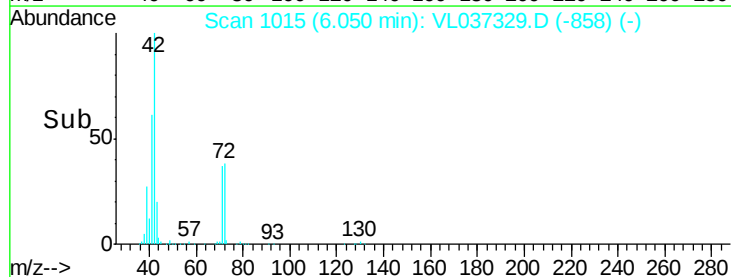
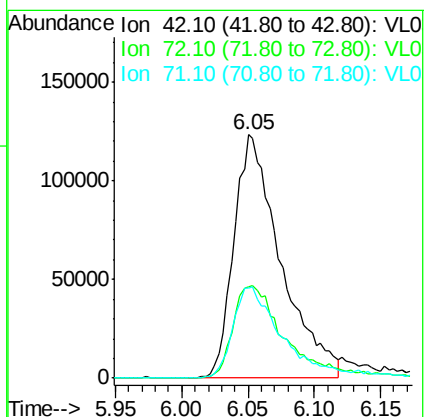
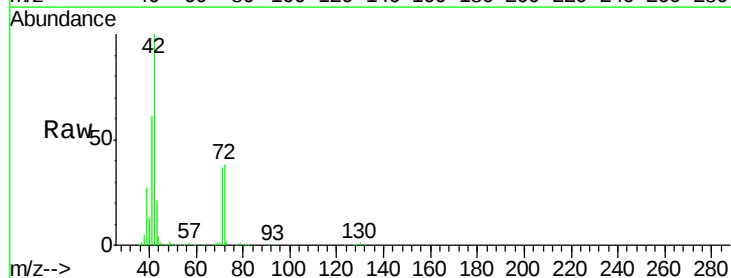
Manual Integrations
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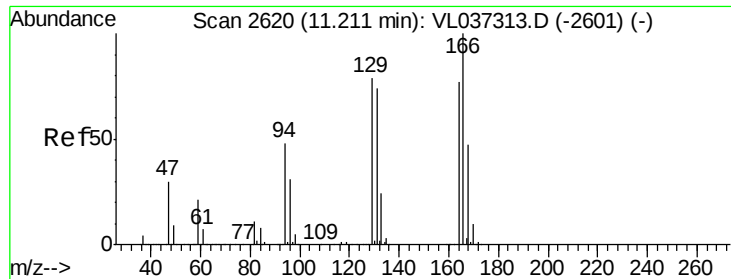
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#41
 Tetrahydrofuran
 Concen: 4.215 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VL037329.D
 Acq: 5 Aug 2021 5:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		304174		
72	44.4		33.6	50.4	
71	40.6		33.0	49.4	





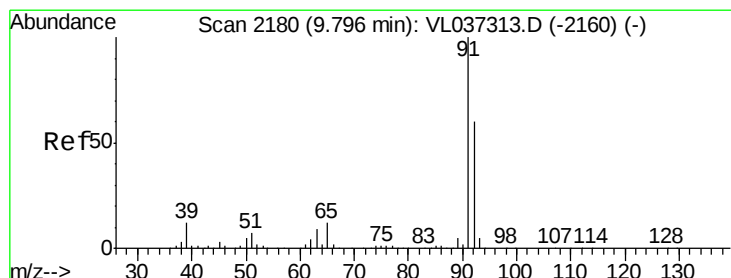
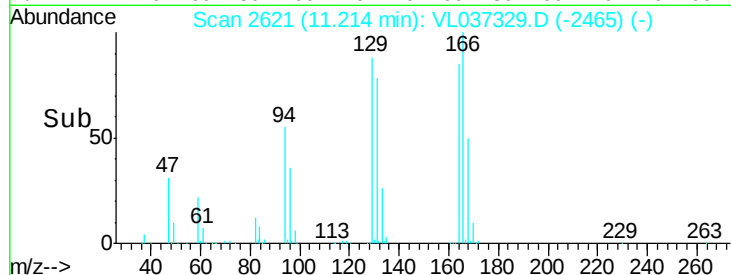
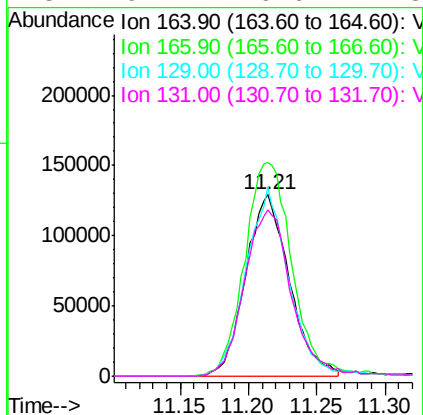
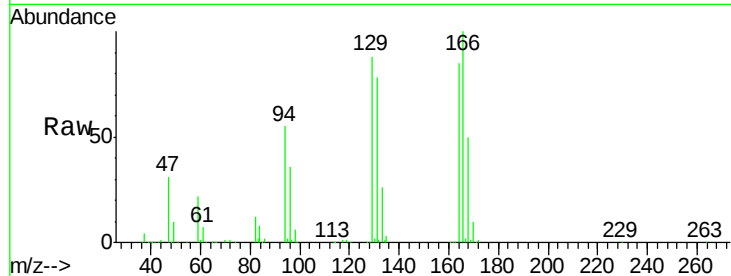
#52
Tetrachloroethene
Concen: 1.991 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	117.8	103.4	155.2	
129	104.1	82.2	123.2	
131	92.1	76.6	114.8	

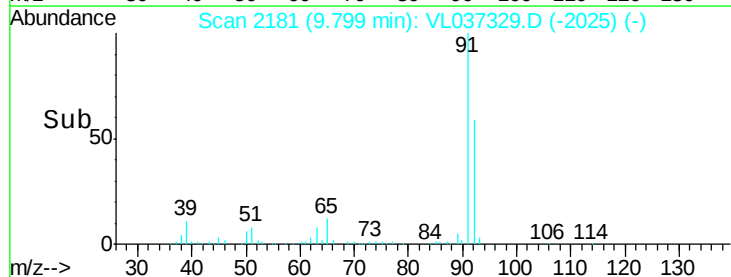
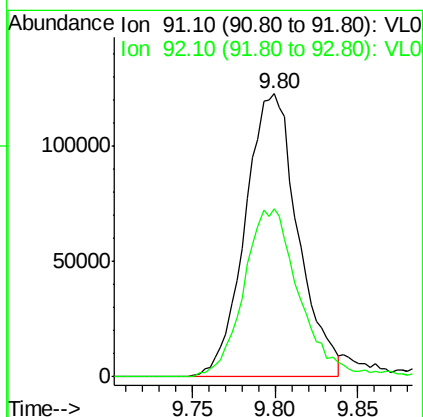
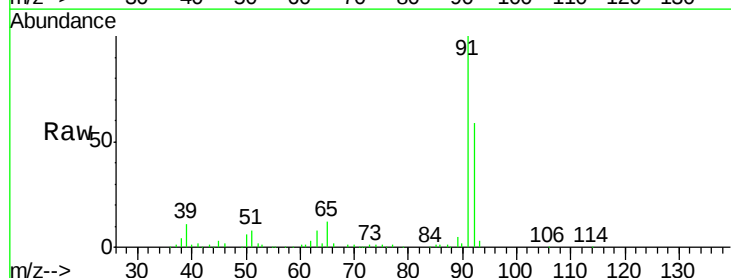
Manual Integrations
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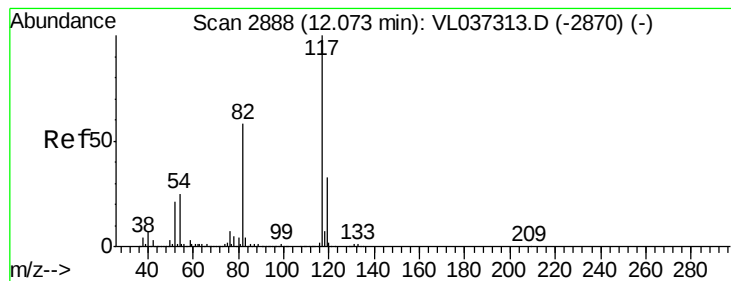
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#53
Toluene
Concen: 0.686 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL037329.D
Acq: 5 Aug 2021 5:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	63.4	48.8	73.2	





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL037329.D

Acq: 5 Aug 2021 5:22

Instrument :

MSVOA_L

ClientSampleId :

SVP-1DL

Tot Ion:117 Resp: 3253916

Ion Ratio Lower Upper

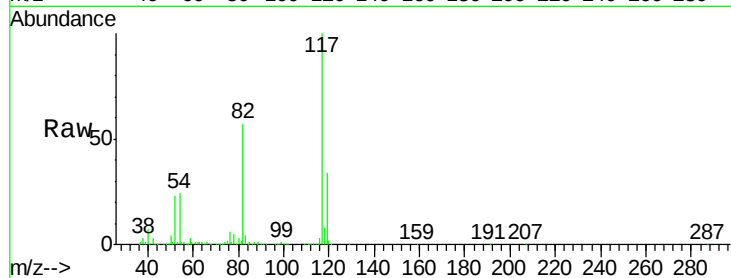
117 100

82 62.7 50.3 75.5

119 34.3 48.2 72.2#

Manual Integrations
APPROVED

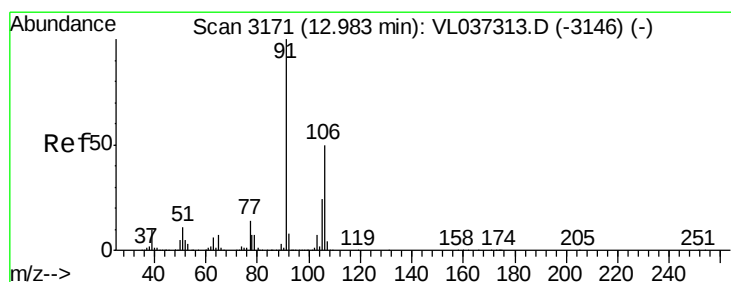
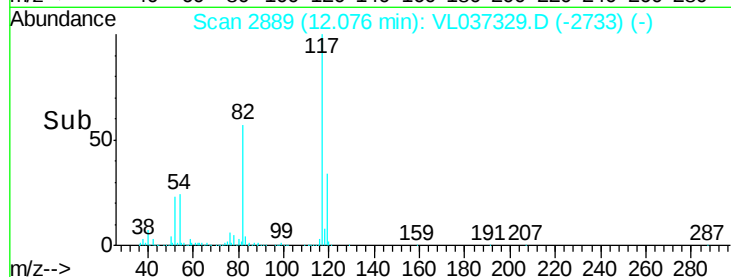
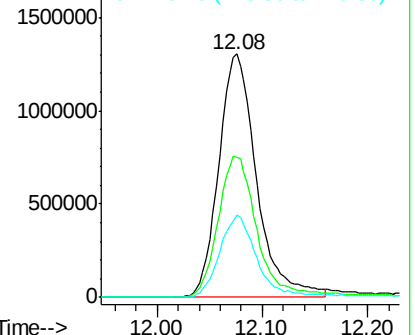
MMDadoda
8/5/2021 1:40:50 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#59

m/p-Xylene

Concen: 0.119 ppbv m

RT: 12.95 min Scan# 3161

Delta R.T. -0.03 min

Lab File: VL037329.D

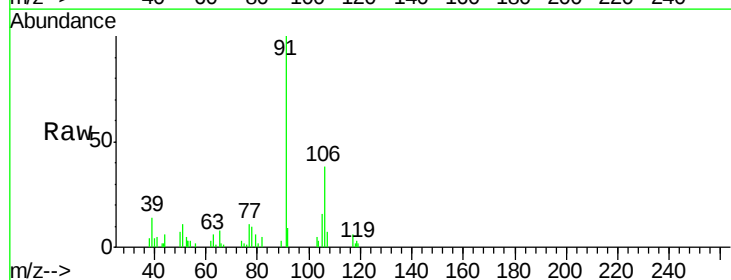
Acq: 5 Aug 2021 5:22

Tgt Ion: 91 Resp: 47982

Ion Ratio Lower Upper

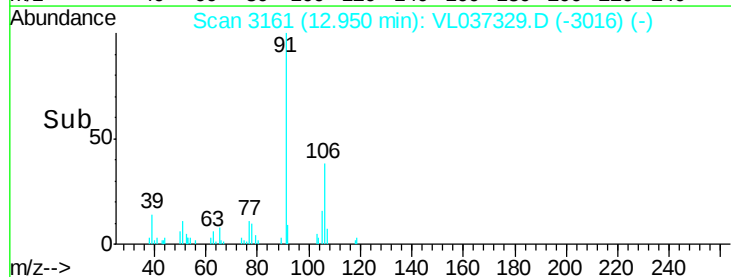
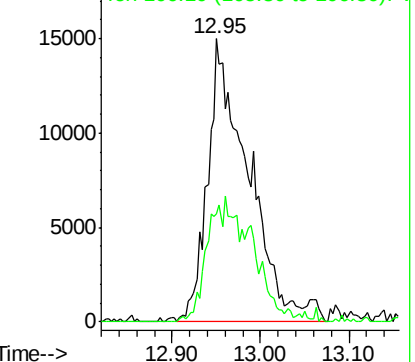
91 100

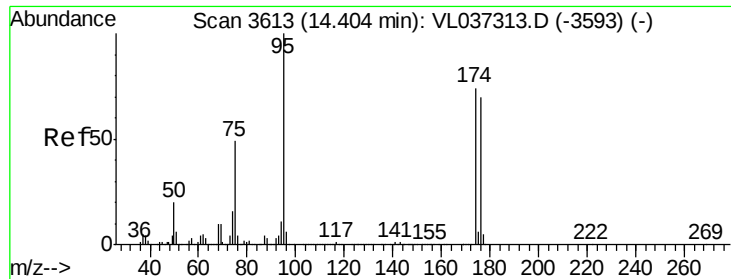
106 0.0 37.8 56.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.207 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL037329.D
 Acq: 5 Aug 2021 5:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	79.9	66.9	100.3
175	5.7	5.1	7.7

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:40:50 PM

