

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037332.D
 Acq On : 5 Aug 2021 7:19
 Operator : SY/AP
 Sample : M3211-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-4DL

Manual Integrations
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 8/5/2021 1:40:58 PM

Quant Time: Aug 05 08:37:30 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	1042931	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3487682	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2955408	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2023596	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	35940m	0.469	ppbv	
11) Trichlorofluoromethane	3.94	101	162206	0.833	ppbv	98
13) Ethanol	3.62	45	28757m	2.490	ppbv	
15) Acetone	3.85	43	412296	3.639	ppbv #	84
19) Isopropyl Alcohol	4.01	45	18046m	0.288	ppbv	
20) Methylene Chloride	4.34	84	145065	1.547	ppbv	97
26) Hexane	5.68	57	92305m	0.560	ppbv	
29) Chloroform	5.74	83	24650	0.118	ppbv #	82
34) 2-Butanone	5.25	43	463056m	3.826	ppbv	
35) Carbon Tetrachloride	7.01	117	13736m	0.066	ppbv	
38) Trichloroethene	7.83	130	8618m	0.063	ppbv	
41) Tetrahydrofuran	6.05	42	310414m	4.612	ppbv	
51) 2-Hexanone	10.16	43	36172m	0.429	ppbv	

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

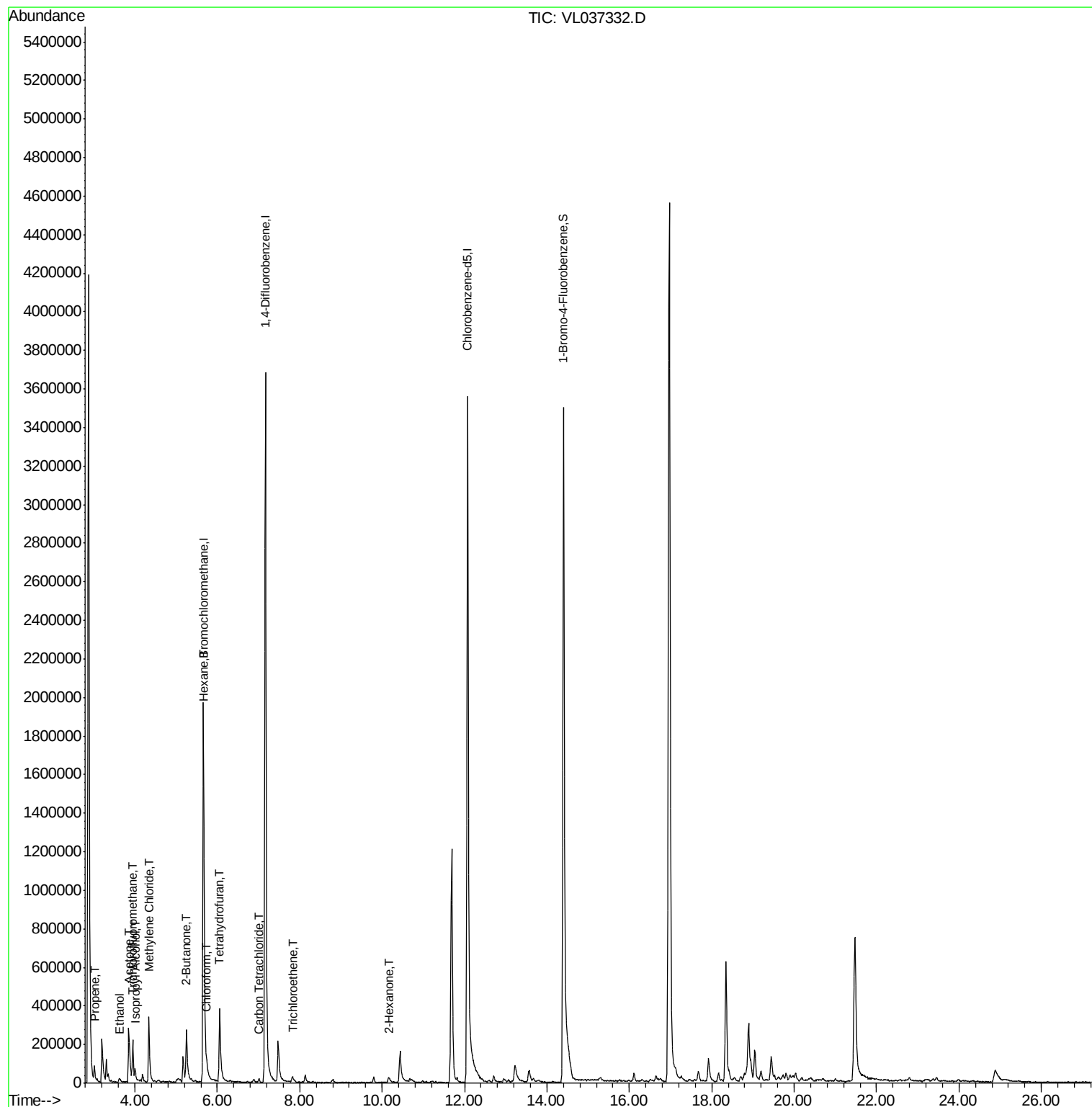
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
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Misc : 400mL/MSVOA L
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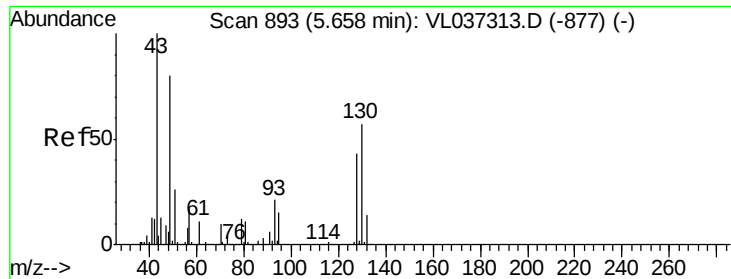
Instrument :
MSVOA_L
ClientSampleId :
SVP-4DL

Manual Integrations
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Quant Time: Aug 05 08:37:30 2021
Quant Method : Z:\VOASRV\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: VL037332.D

Acq: 5 Aug 2021 7:19

Instrument :

MSVOA_L

ClientSampleId :

SVP-4DL

Tot Ion: 49 Resp: 1042931

Ion Ratio Lower Upper

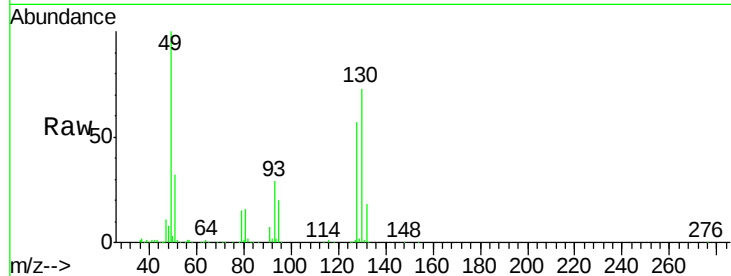
49 100

128 61.7 29.8 89.5

130 80.3 37.5 112.7

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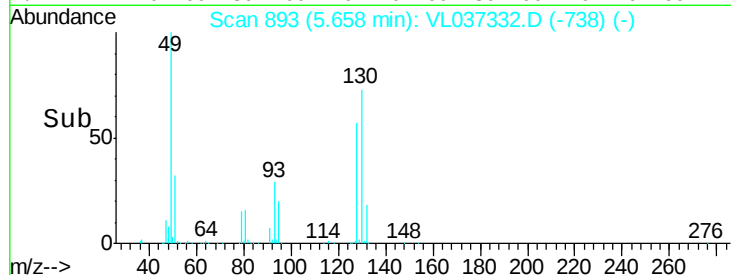
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

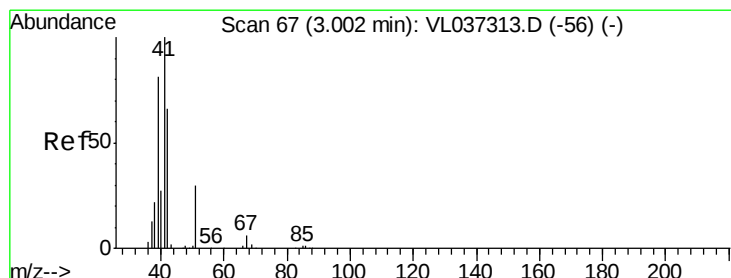
Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



Time-->



#9

Propene

Concen: 0.469 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037332.D

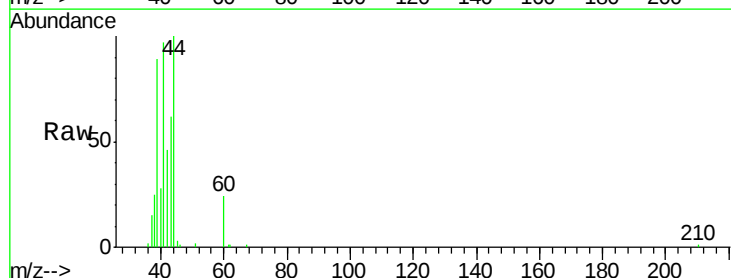
Acq: 5 Aug 2021 7:19

Tgt Ion: 41 Resp: 35940

Ion Ratio Lower Upper

41 100

42 58.3 53.8 80.8

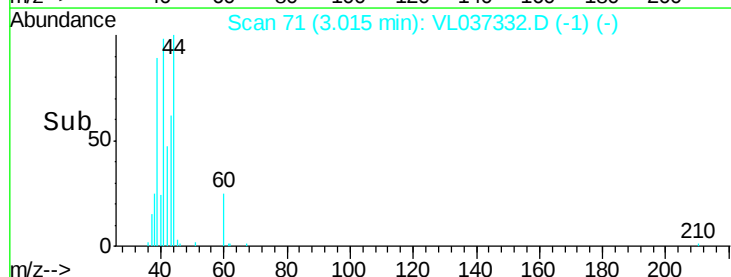


Abundance Ion 41.10 (40.80 to 41.80): VL0

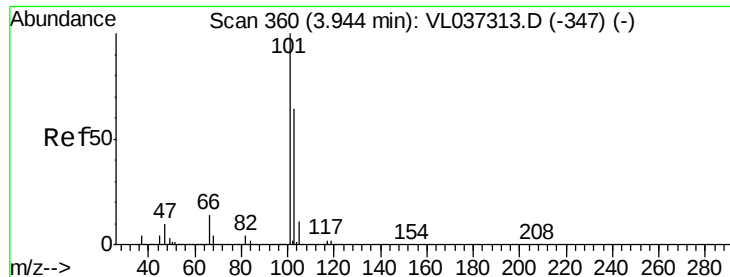
Ion 42.10 (41.80 to 42.80): VL0

3.02

Time-->



Time-->



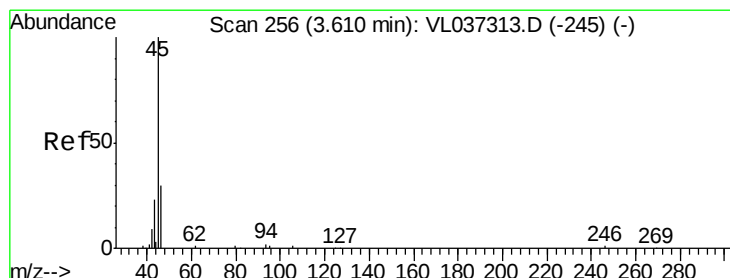
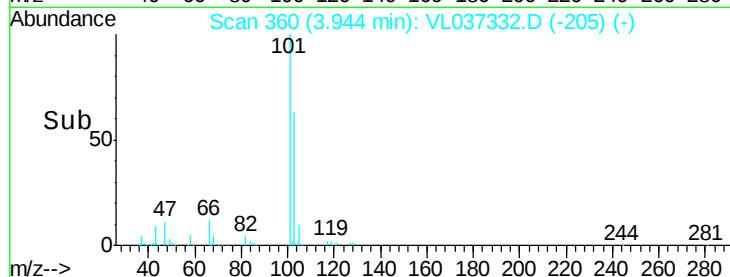
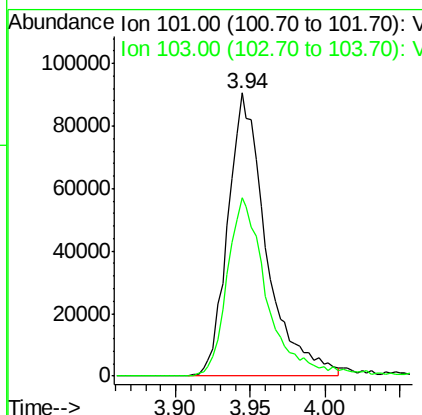
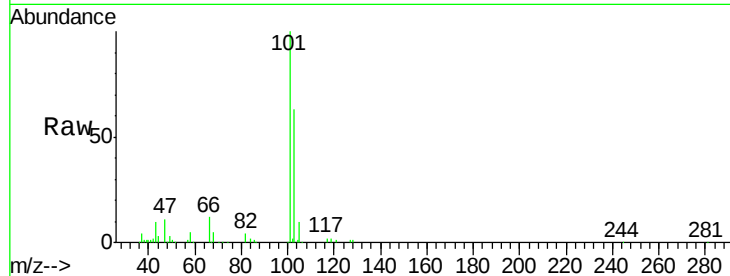
#11
Trichlorofluoromethane
Concen: 0.833 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Instrument :
MSVOA_L
ClientSampled :
SVP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
101	100	162206		
103	62.8	51.6	77.4	

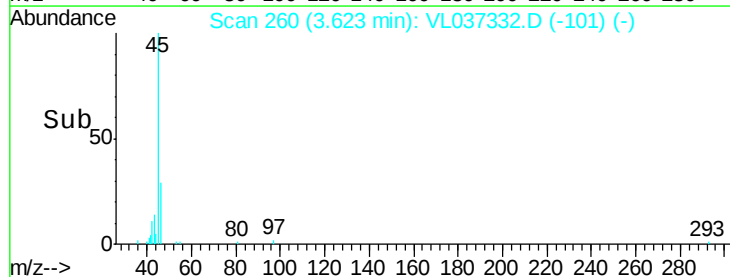
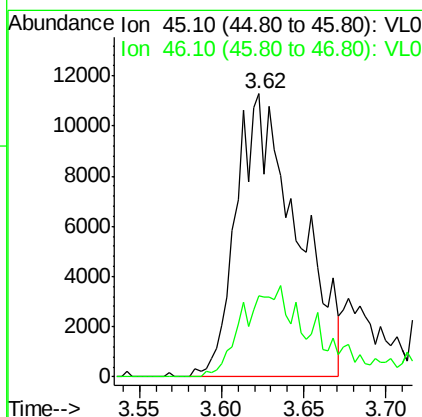
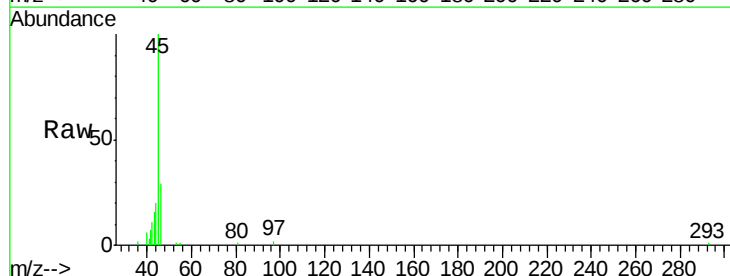
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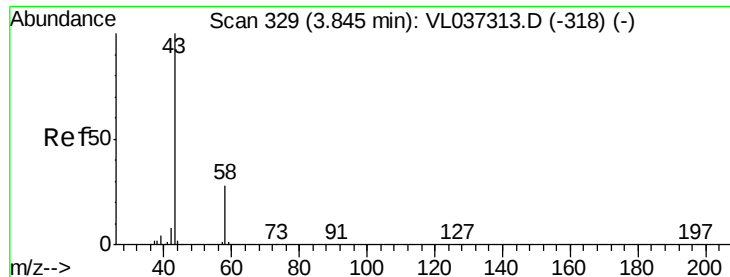
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#13
Ethanol
Concen: 2.490 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	28757		
46	0.0	16.6	66.4	#





#15

Acetone

Concen: 3.639 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037332.D

Acq: 5 Aug 2021 7:19

Instrument :

MSVOA_L

ClientSampleId :

SVP-4DL

Tot Ion: 43 Resp: 412296

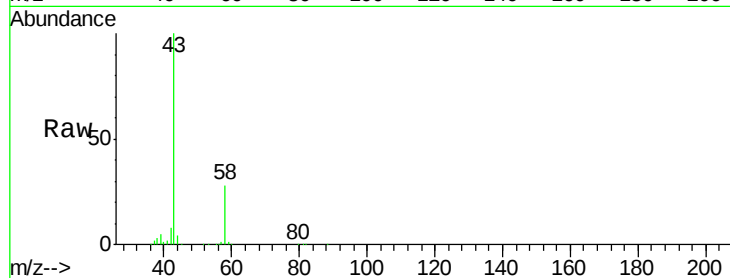
Ion Ratio Lower Upper

43 100

58 40.3 25.3 37.9#

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

200000

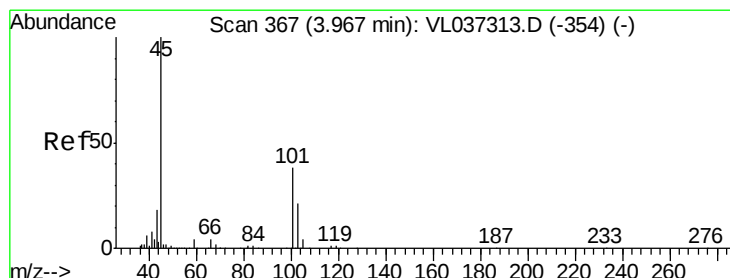
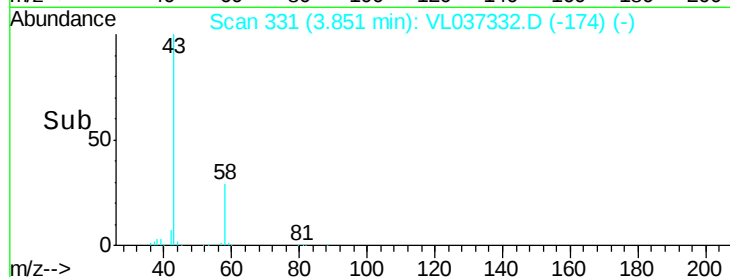
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100000

50000

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Time-->



#19

Isopropyl Alcohol

Concen: 0.288 ppbv m

RT: 4.01 min Scan# 380

Delta R.T. 0.04 min

Lab File: VL037332.D

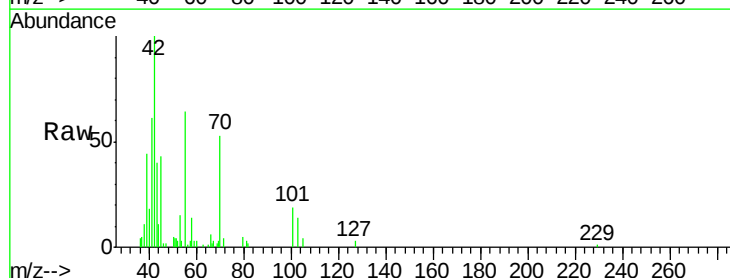
Acq: 5 Aug 2021 7:19

Tgt Ion: 45 Resp: 18046

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.01

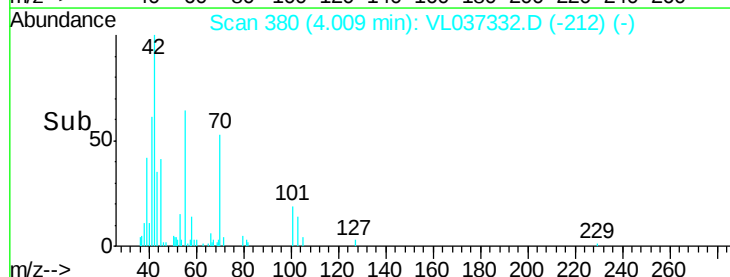
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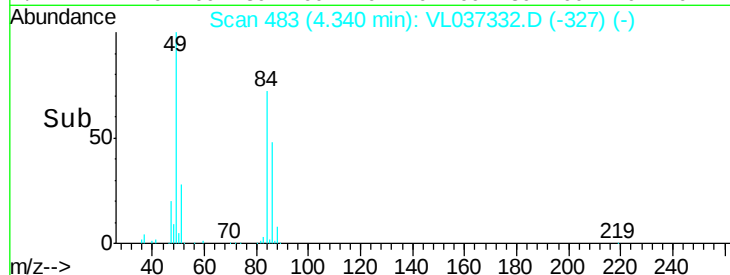
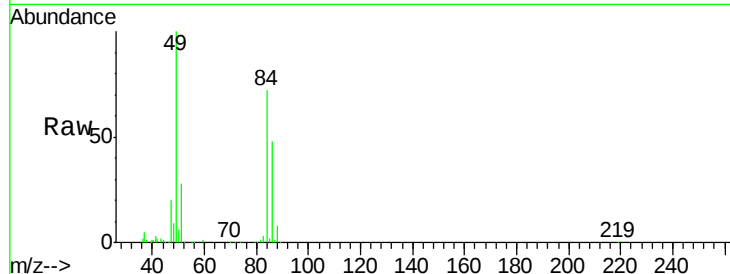
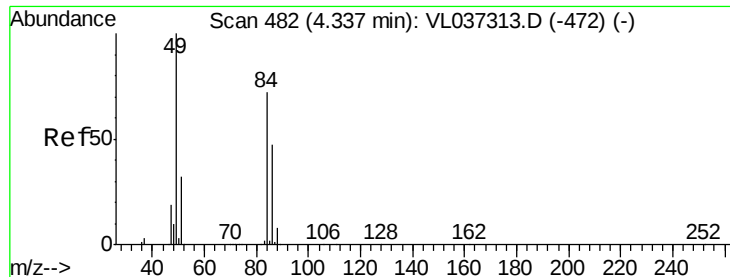
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5000

0

Time-->





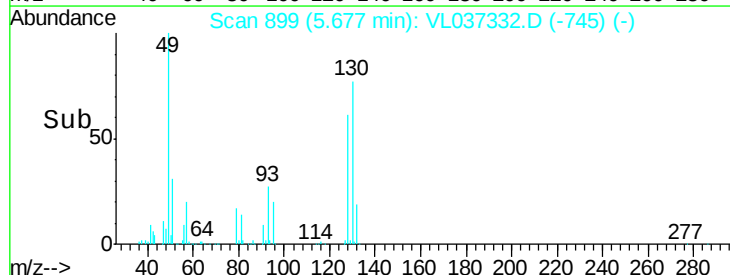
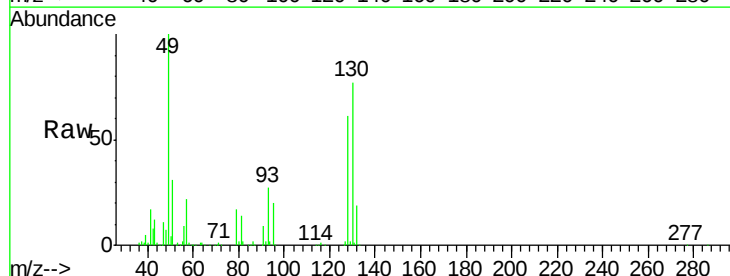
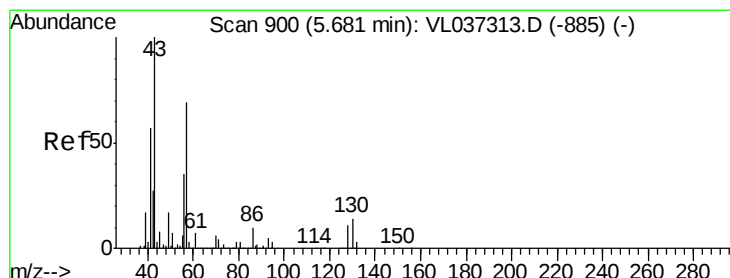
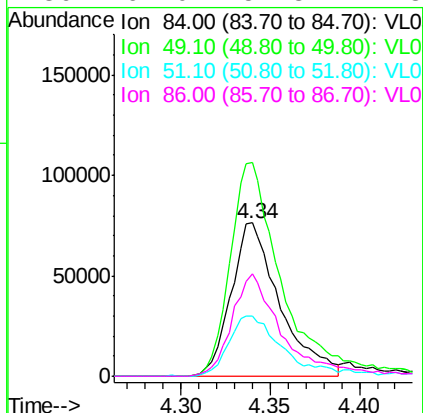
#20
Methvlene Chloride
Concen: 1.547 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tot Ion:	84	Resp:	145065
Ion	Ratio	Lower	Upper
84	100		
49	138.7	110.4	165.6
51	39.1	35.8	53.6
86	67.0	51.8	77.8

Instrument :
MSVOA_L
ClientSampleId :
SVP-4DL

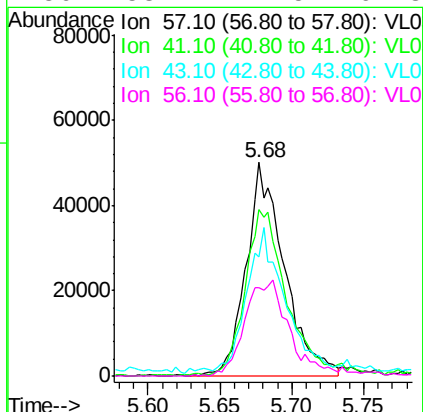
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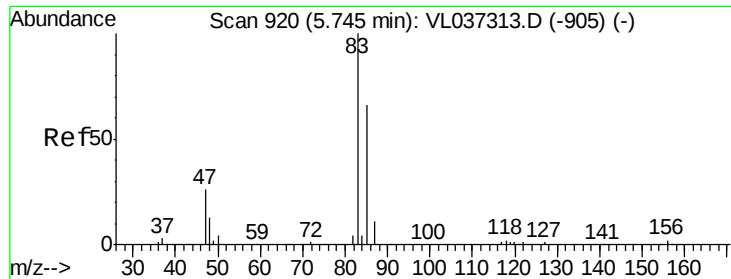
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#26
Hexane
Concen: 0.560 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tgt Ion:	57	Resp:	92305
Ion	Ratio	Lower	Upper
57	100		
41	0.0	67.5	101.3#
43	77.1	163.0	244.4#
56	53.7	41.5	62.3





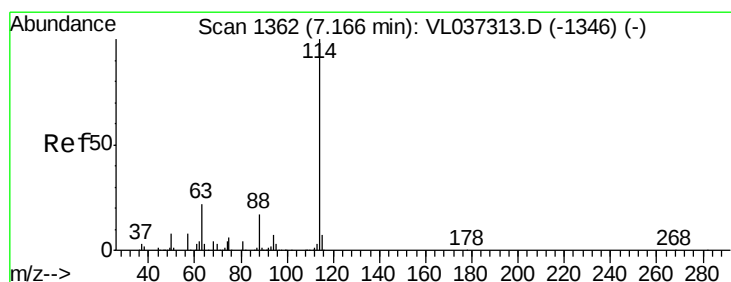
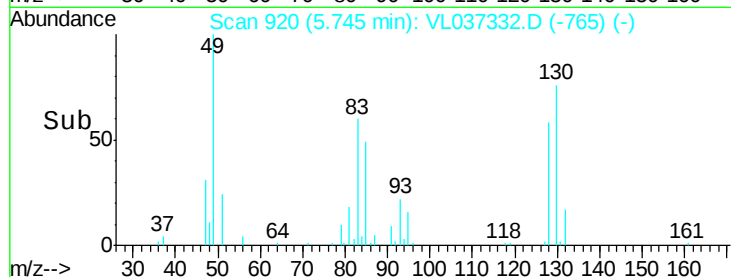
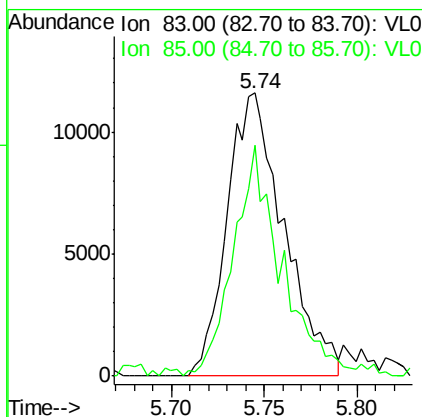
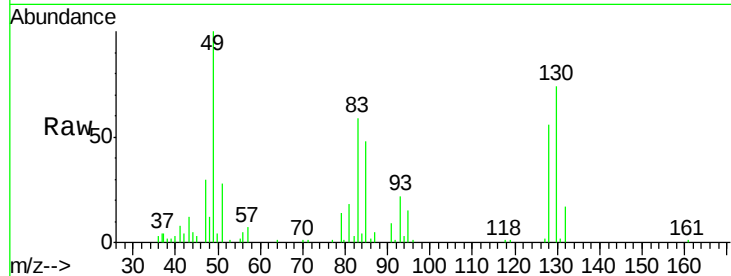
#29
Chloroform
Concen: 0.118 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Instrument :
MSVOA_L
ClientSampled :
SVP-4DL

Tot Ion: 83 Resp: 24650
Ion Ratio Lower Upper
83 100
85 80.0 52.6 79.0#

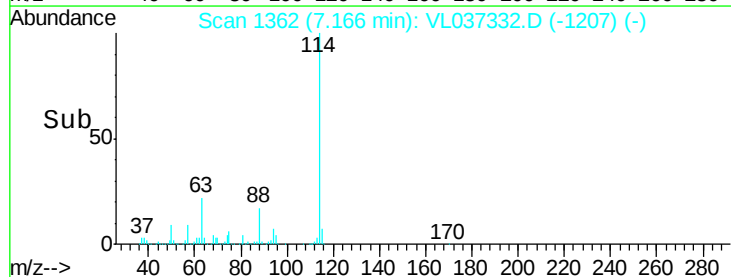
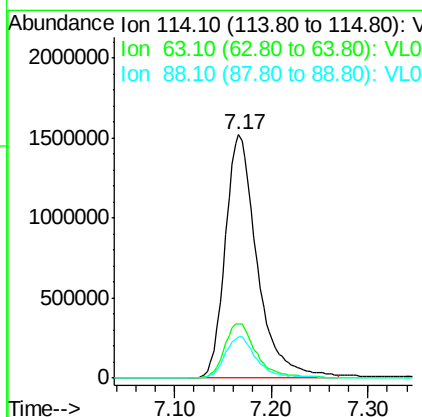
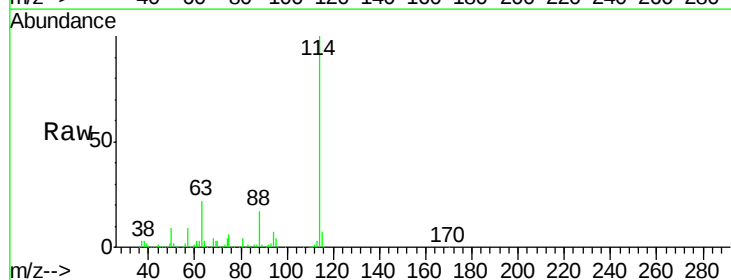
Manual Integrations
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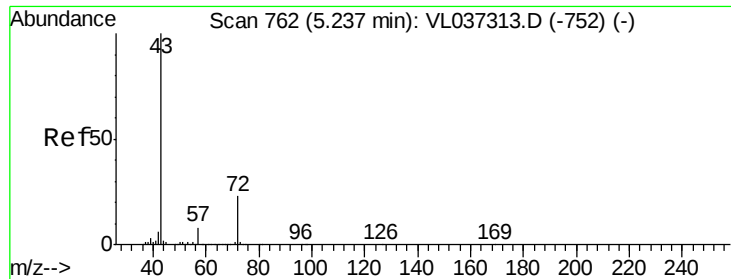
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tgt Ion: 114 Resp: 3487682
Ion Ratio Lower Upper
114 100
63 22.8 18.1 27.1
88 17.2 13.8 20.8





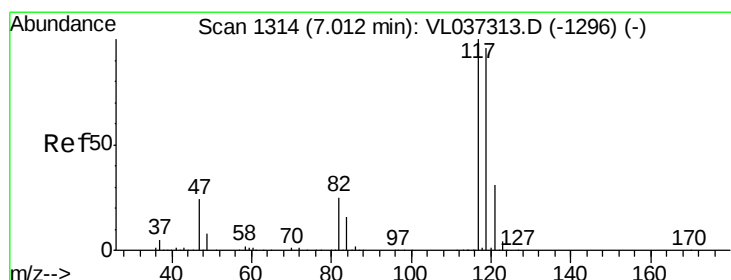
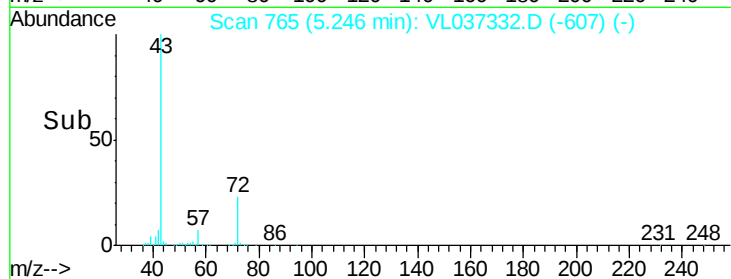
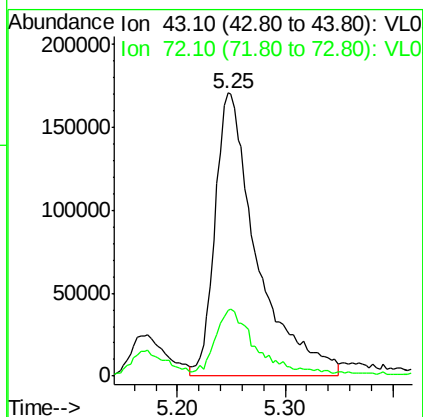
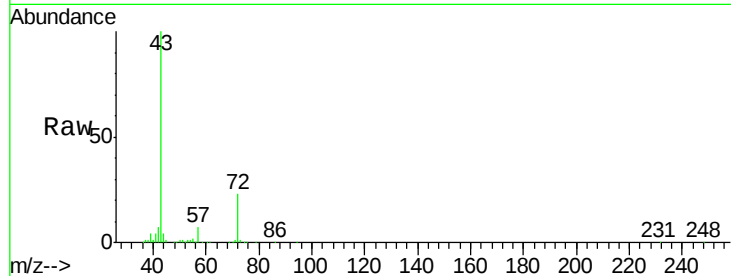
#34
2-Butanone
Concen: 3.826 ppbv m
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Instrument :
MSVOA_L
ClientSampleId :
SVP-4DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.3	30.5

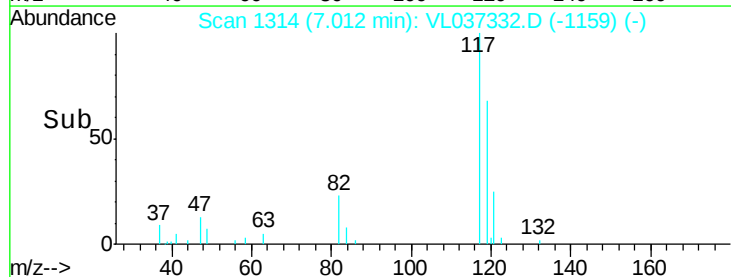
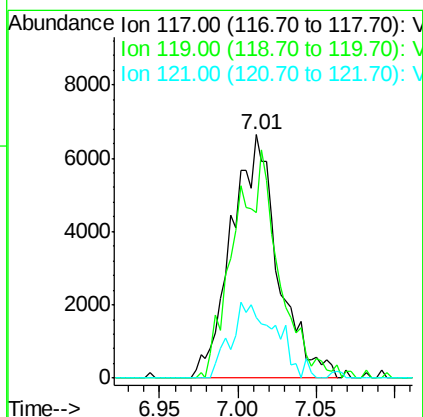
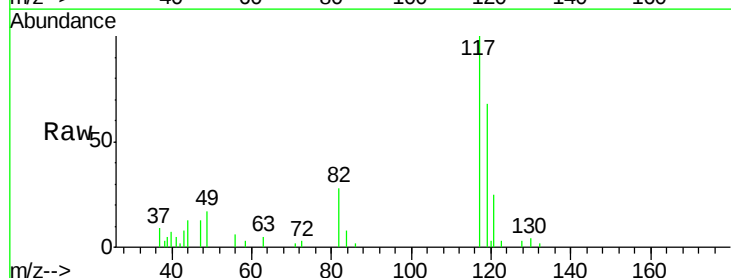
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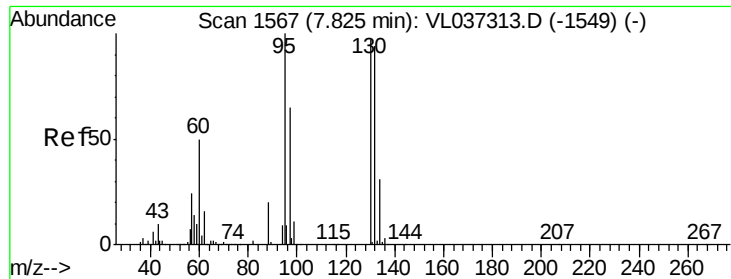
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#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.1	76.6	114.8#
121	24.9	24.9	37.3





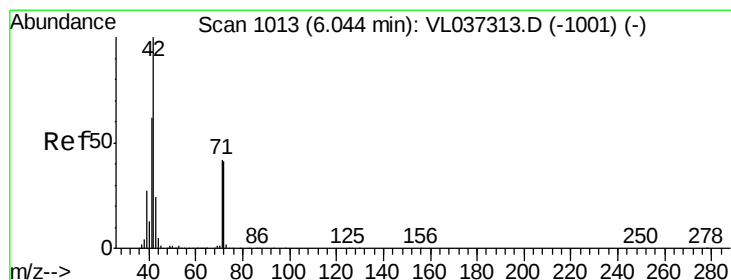
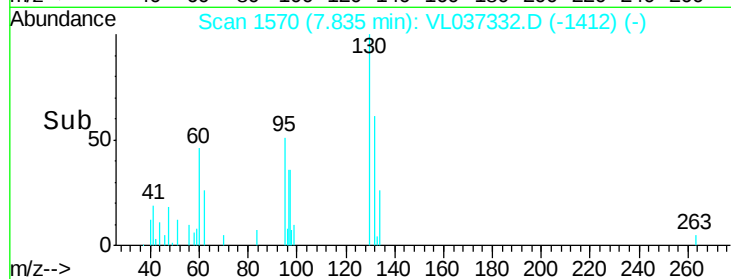
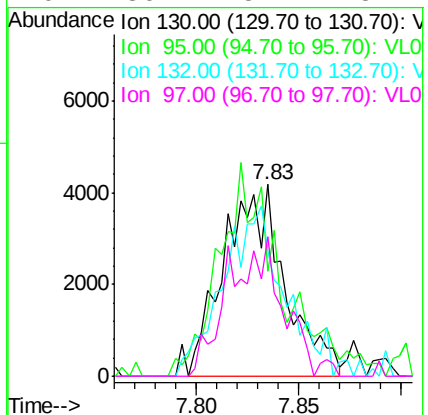
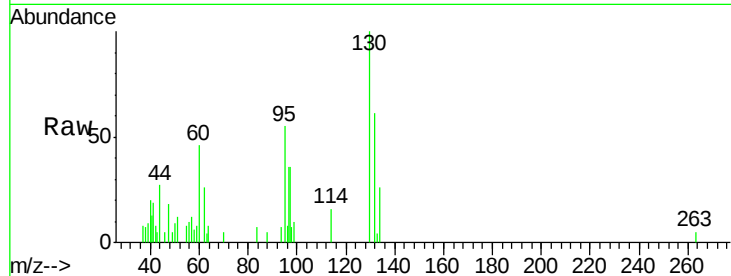
#38
 Trichloroethene
 Concen: 0.063 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL037332.D
 Acq: 5 Aug 2021 7:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-4DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	54.8	82.8	124.2#
132	60.9	78.2	117.4#
97	36.4	54.2	81.2#

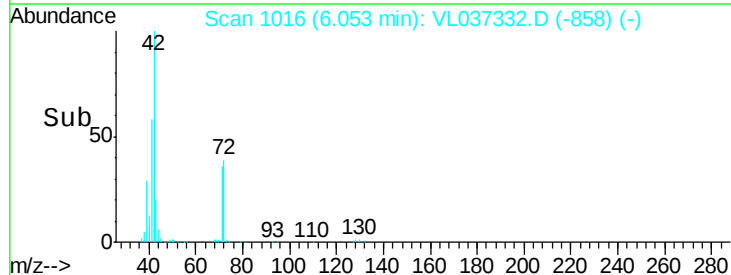
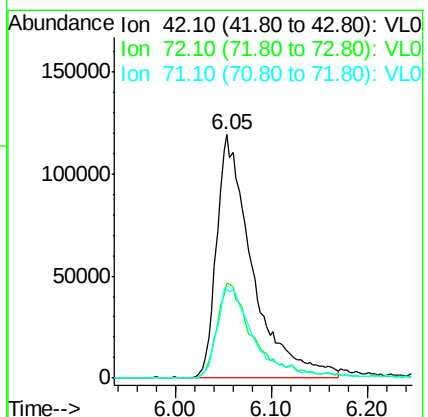
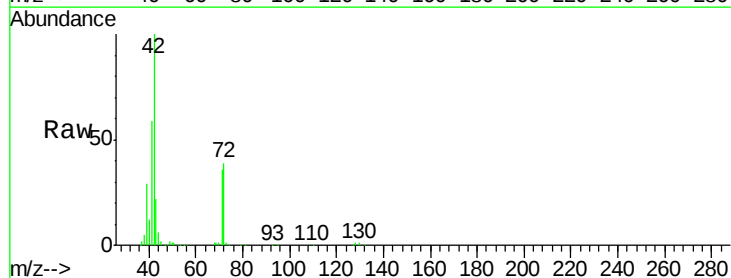
Manual Integrations
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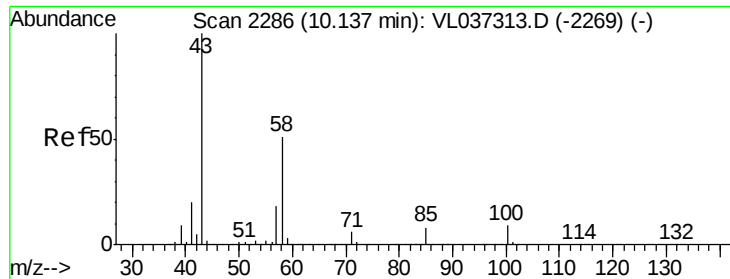
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#41
 Tetrahydrofuran
 Concen: 4.612 ppbv m
 RT: 6.05 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VL037332.D
 Acq: 5 Aug 2021 7:19

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.6	50.4
71	40.4	33.0	49.4





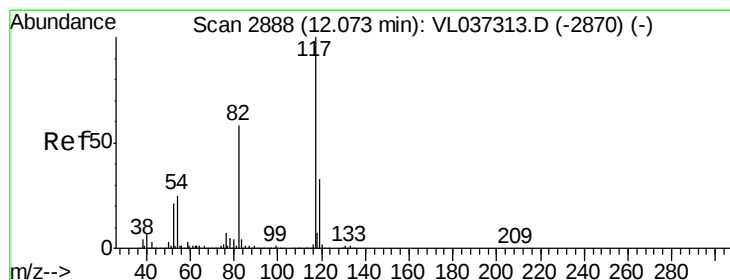
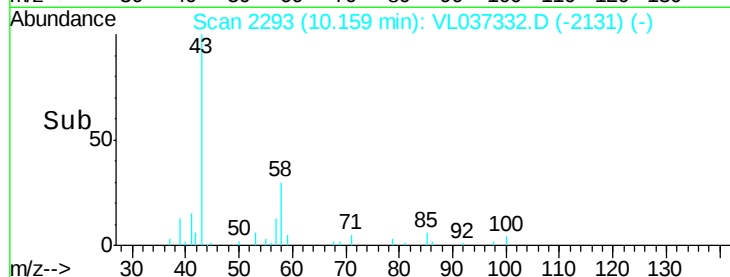
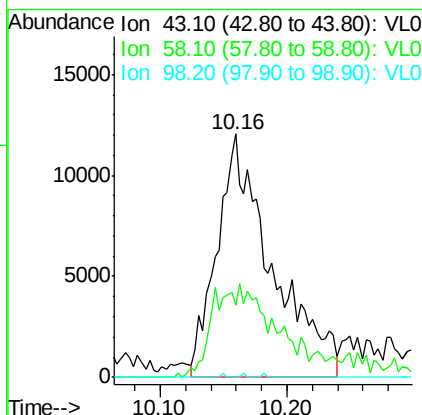
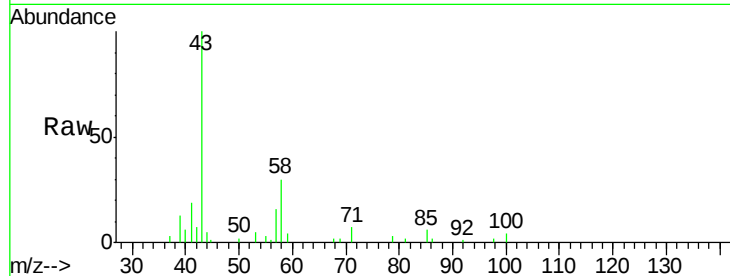
#51
2-Hexanone
Concen: 0.429 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Instrument :
MSVOA_L
ClientSampleId :
SVP-4DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	40.9	61.3
98	0.0	0.1	0.1#

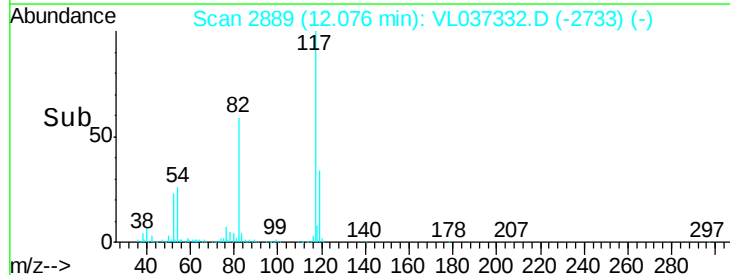
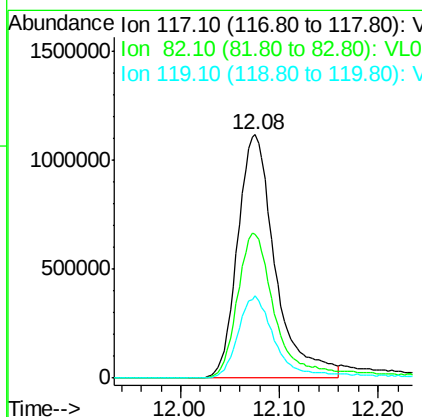
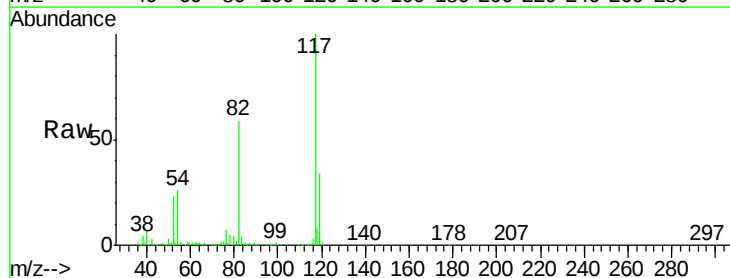
Manual Integrations
APPROVED

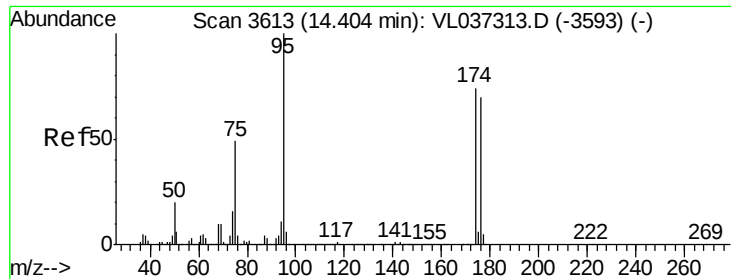
MMDadoda
8/5/2021 1:40:58 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037332.D
Acq: 5 Aug 2021 7:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.7	50.3	75.5
119	34.8	48.2	72.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.024 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.00 min
 Lab File: VL037332.D
 Acq: 5 Aug 2021 7:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	83.6	66.9	100.3
175	6.3	5.1	7.7

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:40:58 PM

