

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037255.D
 Acq On : 29 Jun 2021 18:54
 Operator : SY/AP
 Sample : M2887-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Manual Integrations
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 7/5/2021 3:38:35 PM

Quant Time: Jun 30 06:36:20 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	1694606	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4842362	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4321121	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3265641	9.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	611947	5.808	ppbv	94
10) Heptane	8.12	43	43345m	0.170	ppbv	
13) Ethanol	3.63	45	25009m	1.534	ppbv	
15) Acetone	3.85	43	716308m	3.748	ppbv	
19) Isopropyl Alcohol	4.00	45	13793m	0.119	ppbv	
20) Methylene Chloride	4.34	84	275499	2.408	ppbv	97
26) Hexane	5.68	57	207128	0.991	ppbv #	46
34) 2-Butanone	5.26	43	368127	1.955	ppbv	96
36) Benzene	6.88	78	61178m	0.156	ppbv	
51) 2-Hexanone	10.16	43	46997m	0.373	ppbv	
53) Toluene	9.81	91	67877m	0.145	ppbv	

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

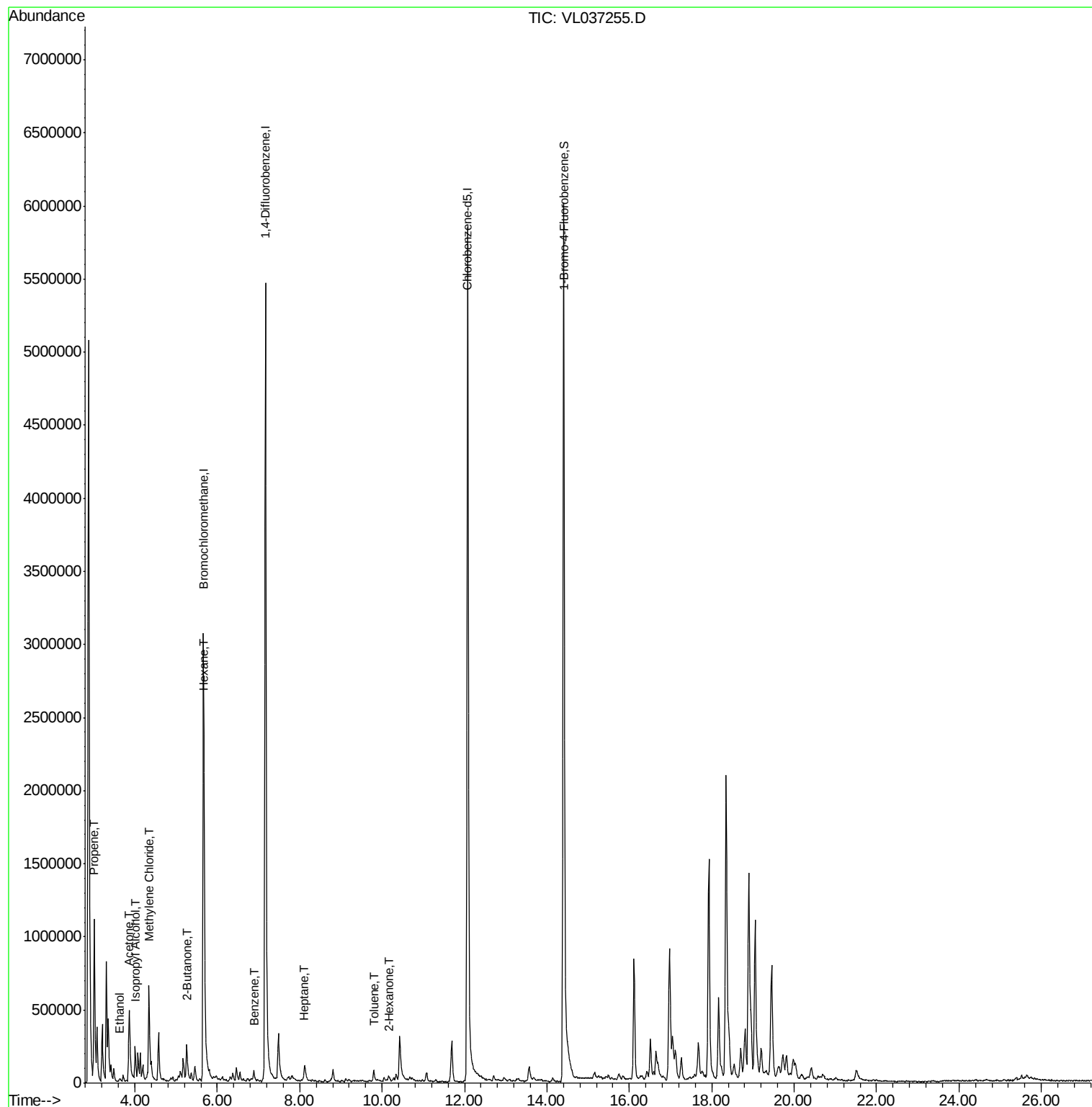
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037255.D
Acq On : 29 Jun 2021 18:54
Operator : SY/AP
Sample : M2887-04DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

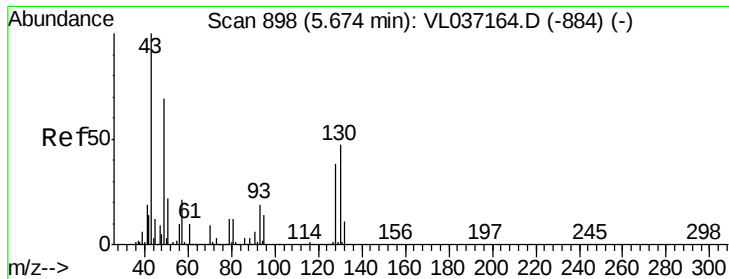
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

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Quant Time: Jun 30 06:36:20 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: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

ClientSampled :

SV-4DL

Tot Ion: 49 Resp: 1694606

Ion Ratio Lower Upper

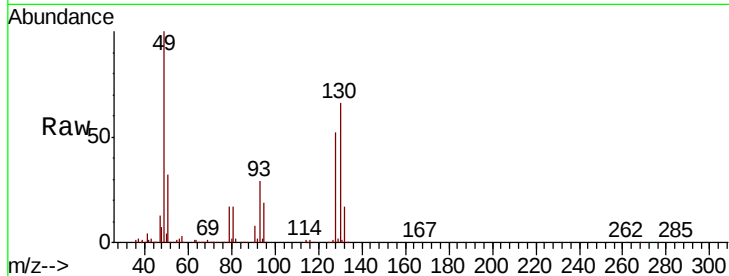
49 100

128 55.2 29.3 88.0

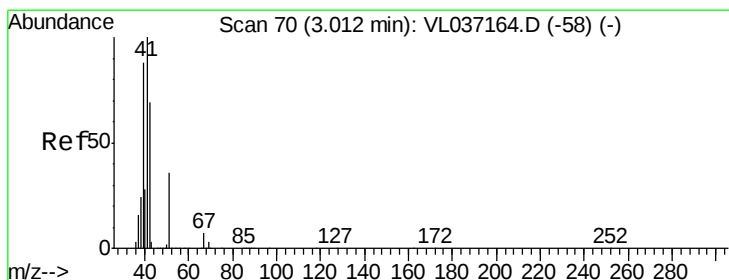
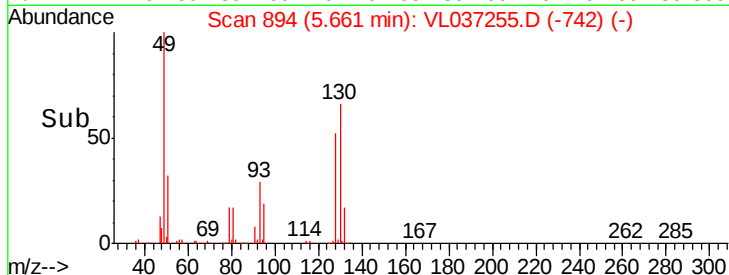
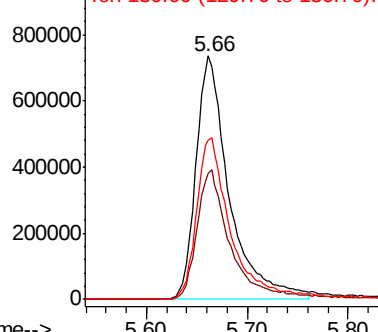
130 69.3 35.9 107.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 5.808 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037255.D

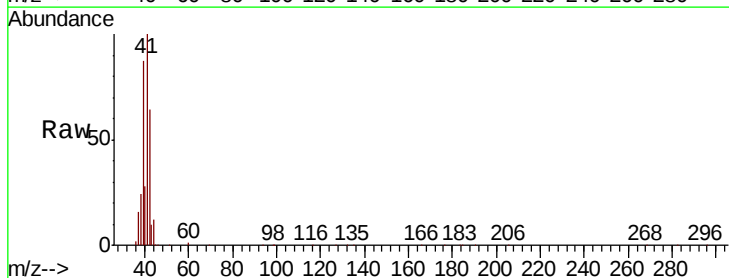
Acq: 29 Jun 2021 18:54

Tgt Ion: 41 Resp: 611947

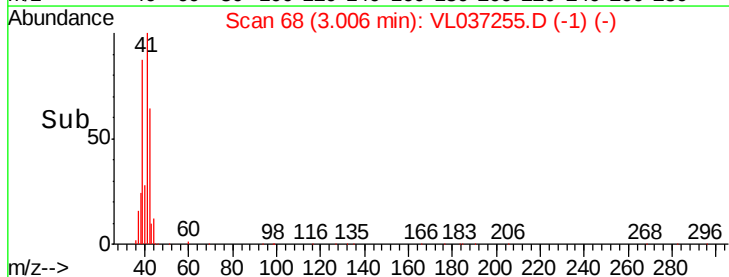
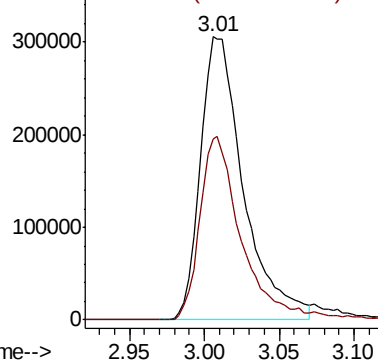
Ion Ratio Lower Upper

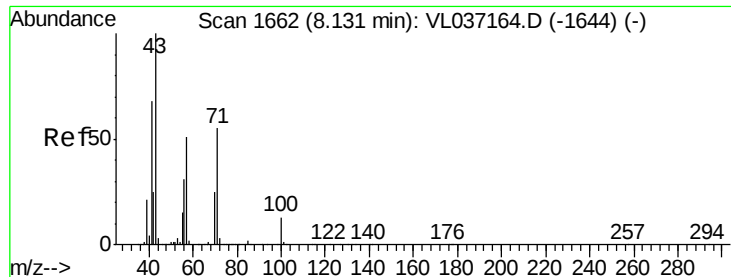
41 100

42 63.4 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

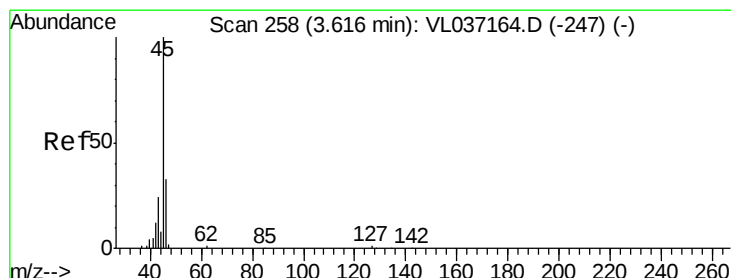
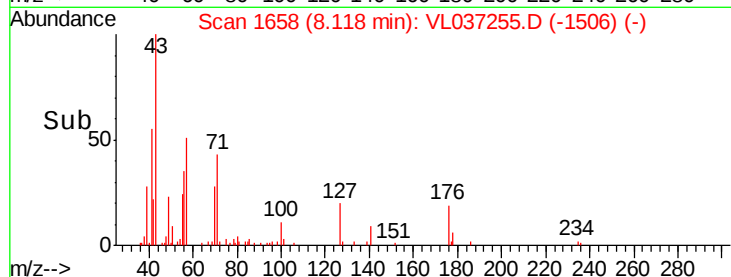
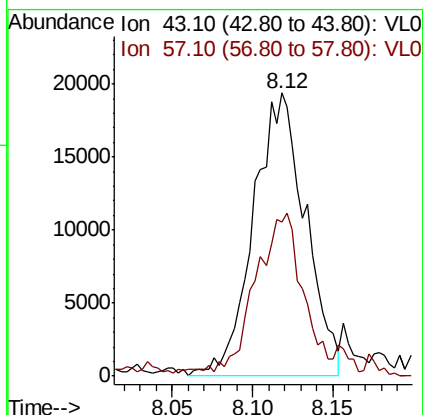
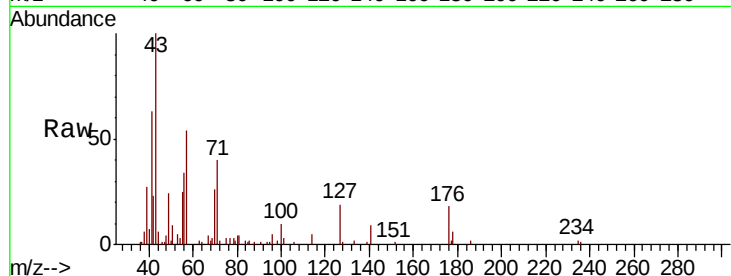
Concen: 0.170 ppbv m
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Instrument :
 MSVOA_L
 ClientSampled :
 SV-4DL

Tot Ion: 43 Resp: 43345
 Ion Ratio Lower Upper
 43 100
 57 58.6 40.6 61.0

Manual Integrations
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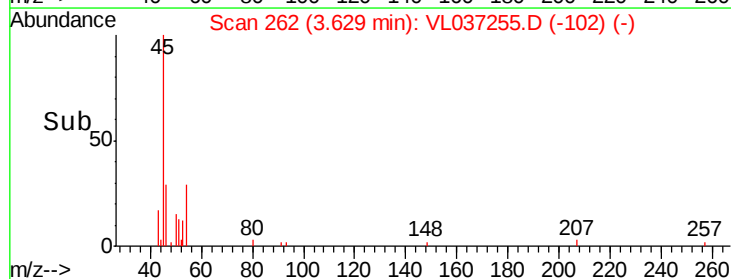
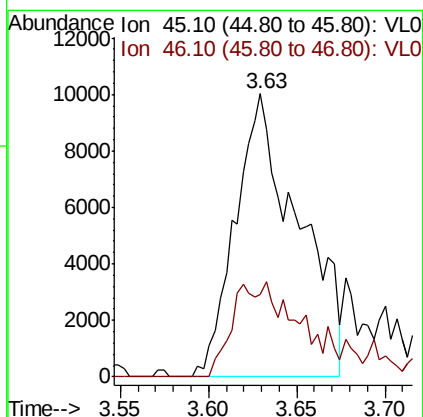
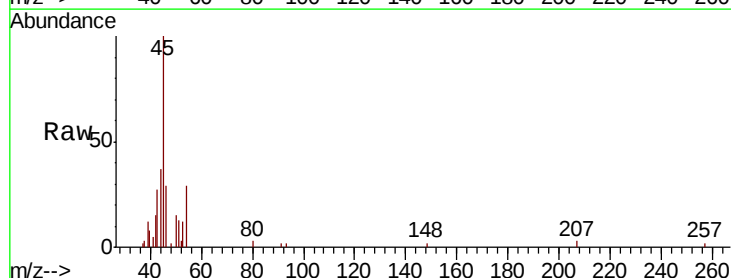


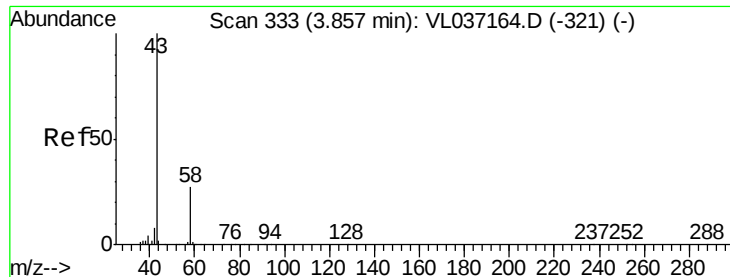
#13

Ethanol

Concen: 1.534 ppbv m
 RT: 3.63 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Tgt Ion: 45 Resp: 25009
 Ion Ratio Lower Upper
 45 100
 46 41.2 34.2 137.0





#15

Acetone

Concen: 3.748 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL

Tot Ion: 43 Resp: 716308

Ion Ratio Lower Upper

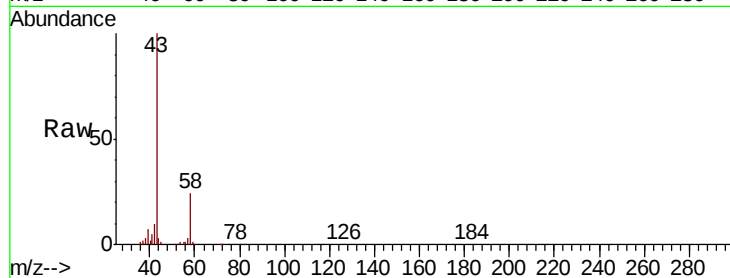
43 100

58 32.2 23.7 35.5

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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

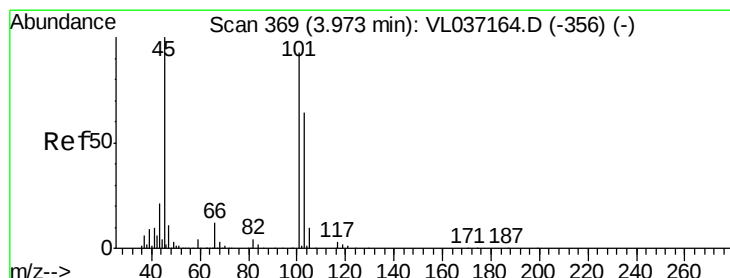
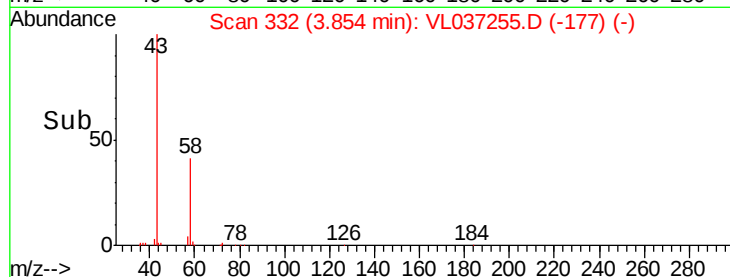
300000

200000

100000

0

Time-->



#19

Isopropyl Alcohol

Concen: 0.119 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.02 min

Lab File: VL037255.D

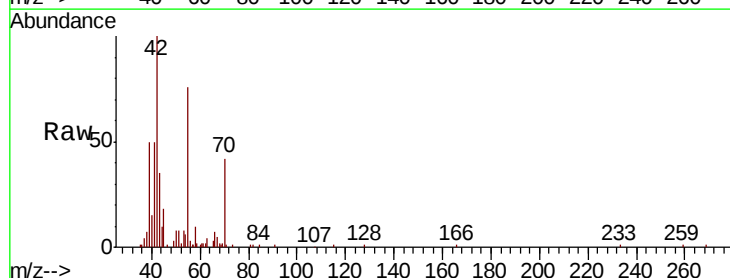
Acq: 29 Jun 2021 18:54

Tgt Ion: 45 Resp: 13793

Ion Ratio Lower Upper

45 100

58 0.0 2.4 3.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.00

8000

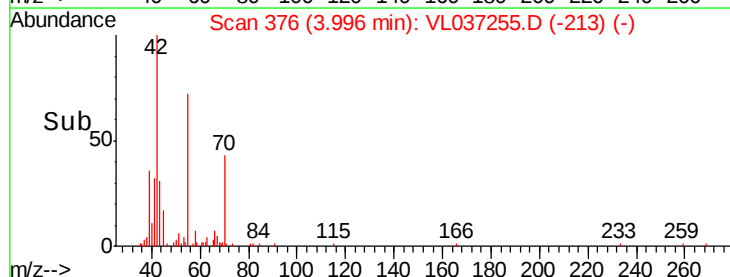
6000

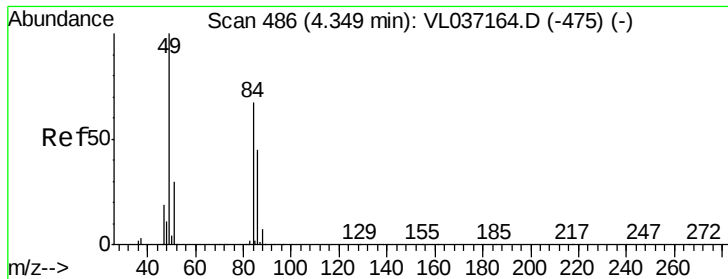
4000

2000

0

Time-->





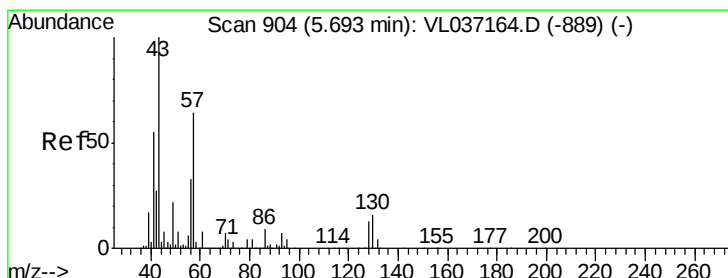
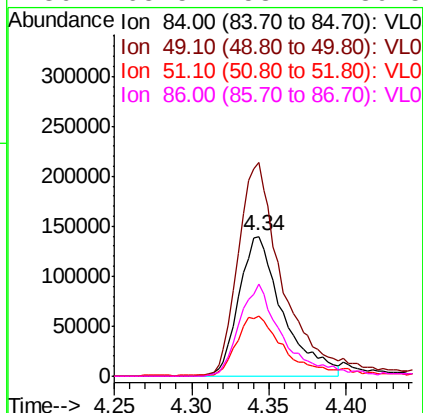
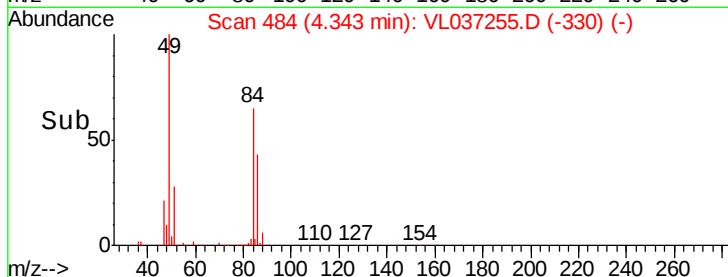
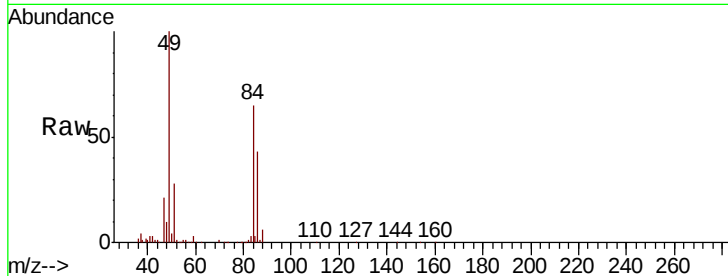
#20
Methvlene Chloride
Concen: 2.408 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

Tot Ion	84	Resp	275499
Ion	Ratio	Lower	Upper
84	100		
49	152.8	119.7	179.5
51	42.2	36.1	54.1
86	65.5	53.7	80.5

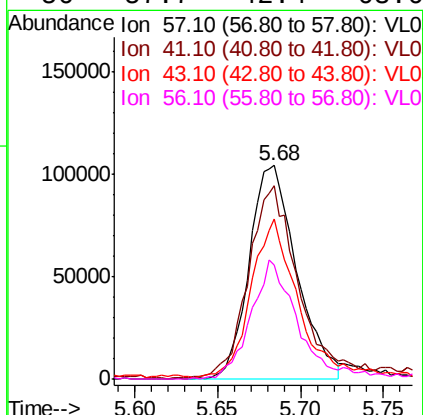
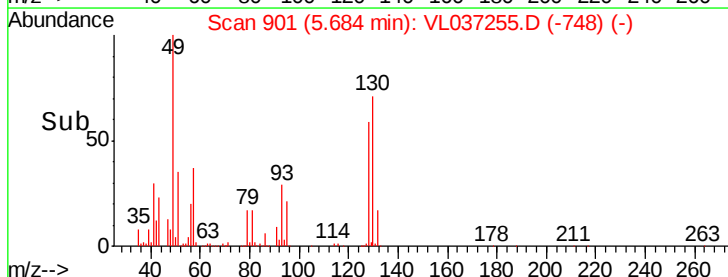
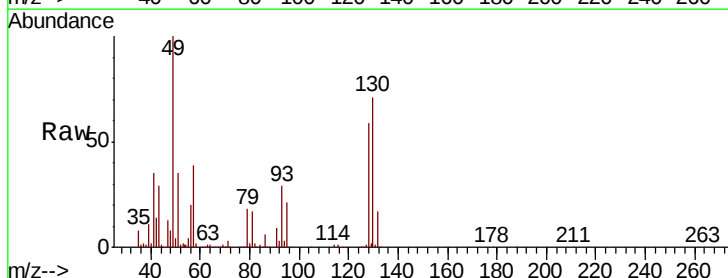
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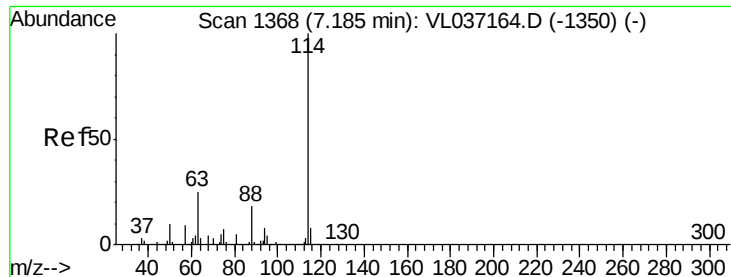
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#26
Hexane
Concen: 0.991 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion	57	Resp	207128
Ion	Ratio	Lower	Upper
57	100		
41	99.5	73.5	110.3
43	78.5	170.7	256.1#
56	57.7	42.4	63.6





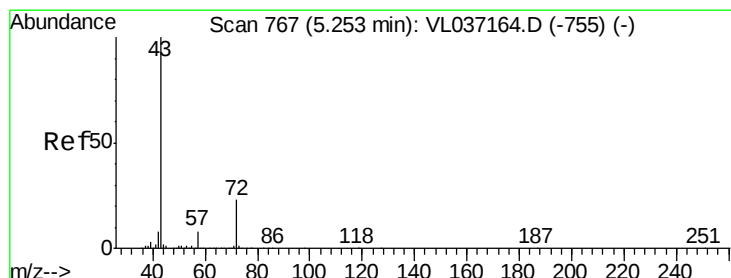
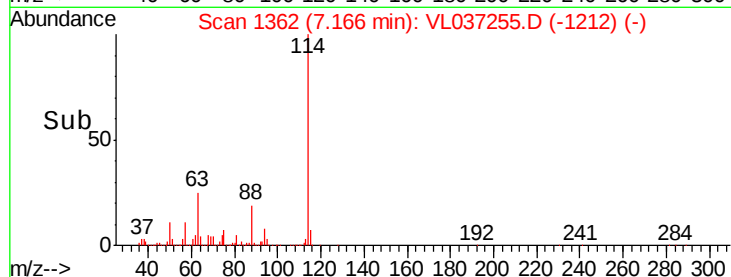
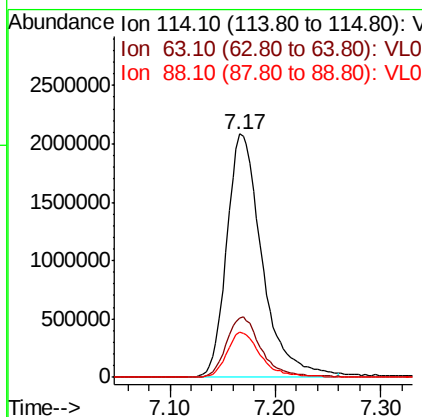
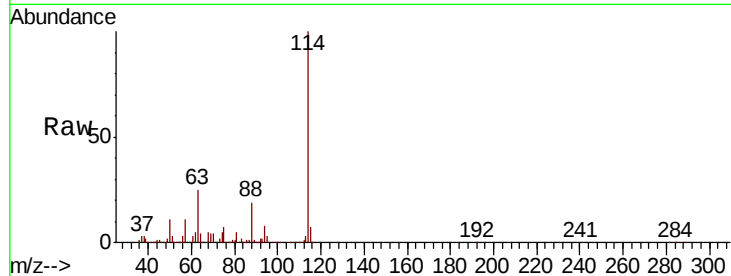
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.6	29.4
88	18.2	14.2	21.2

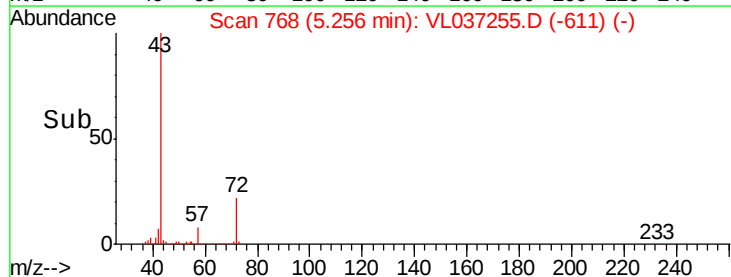
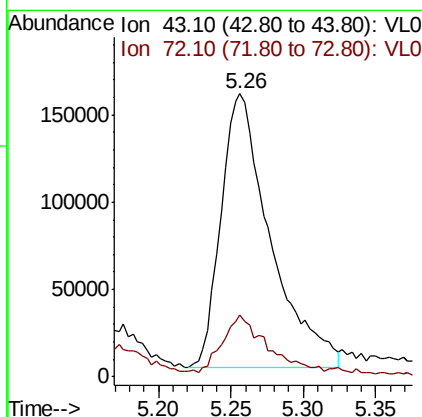
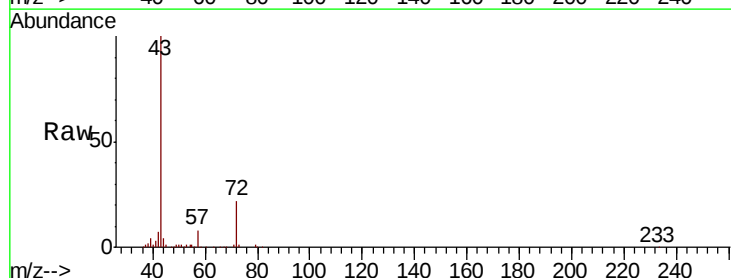
Manual Integrations
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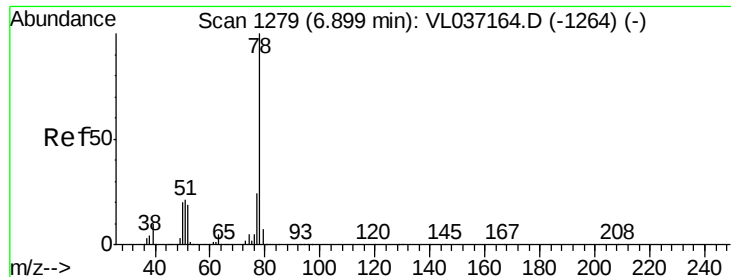
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#34
 2-Butanone
 Concen: 1.955 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.9	28.3





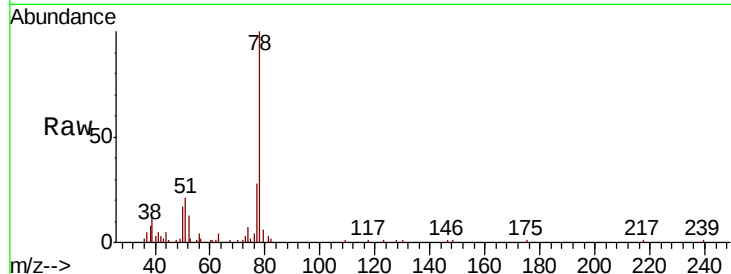
#36
Benzene
Concen: 0.156 ppbv m
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

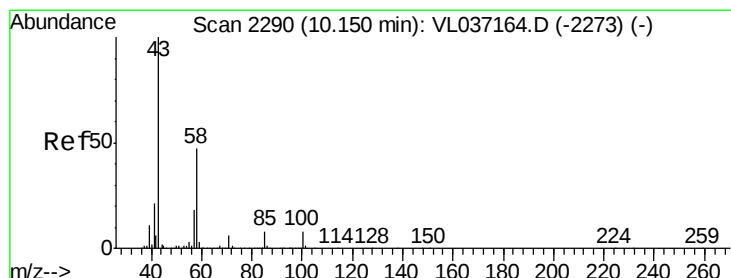
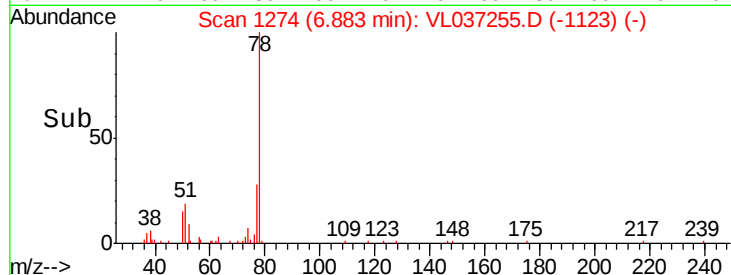
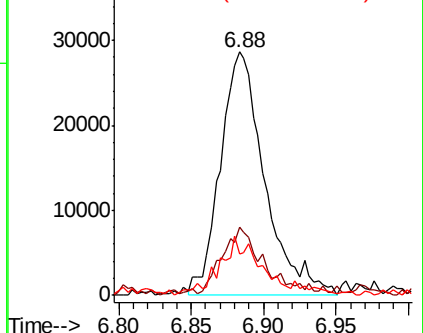
Tot Ion	Ratio	Lower	Upper
78	100		
77	28.0	19.0	28.6
50	16.8	15.7	23.5

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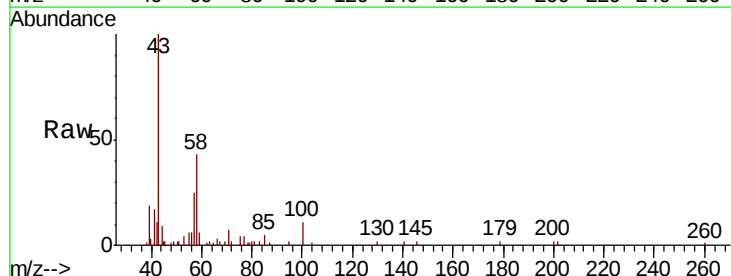


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

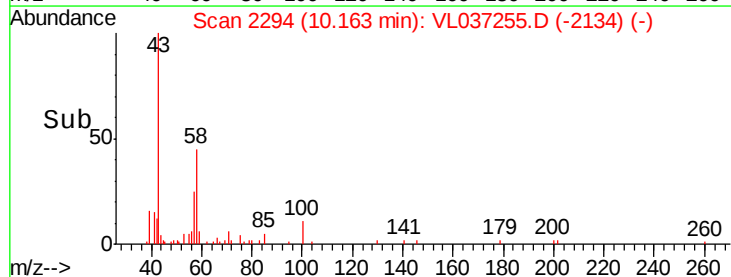
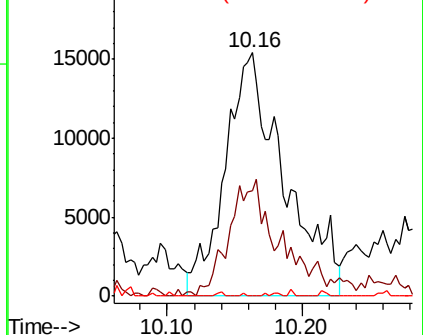


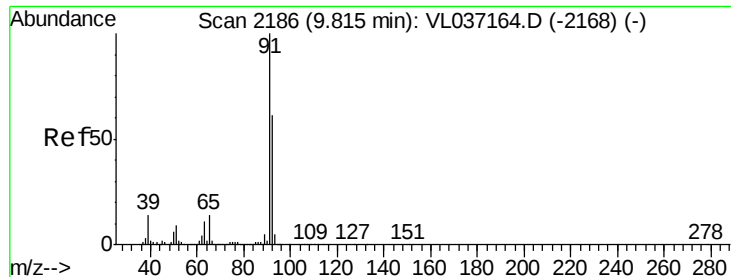
#51
2-Hexanone
Concen: 0.373 ppbv m
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.3	0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

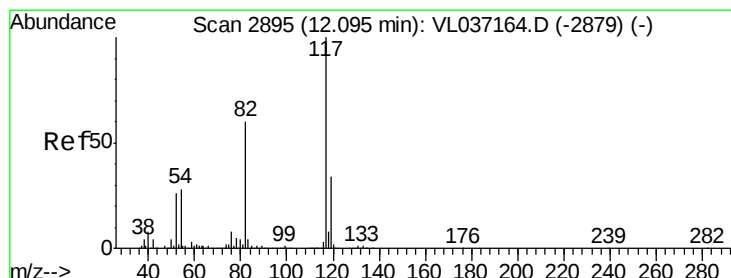
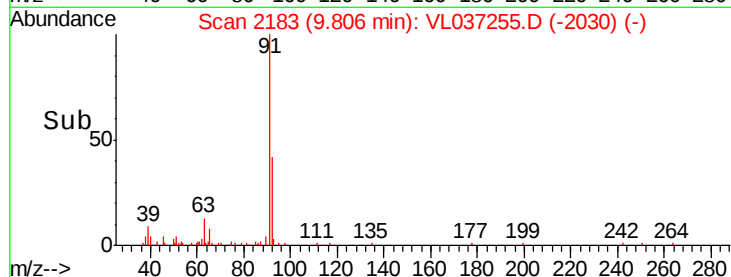
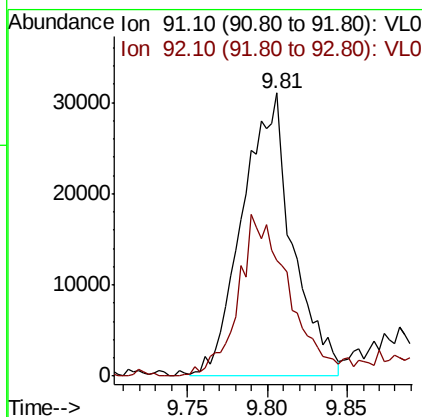
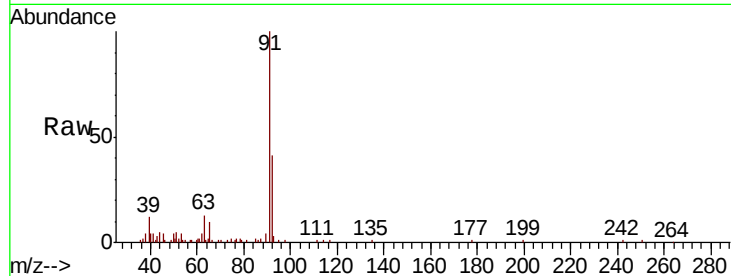
Concen: 0.145 ppbv m
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tot Ion	91.10	Resp	67877
Ion Ratio	Lower	Upper	
91	100		
92	59.7	48.3	72.5

Manual Integrations
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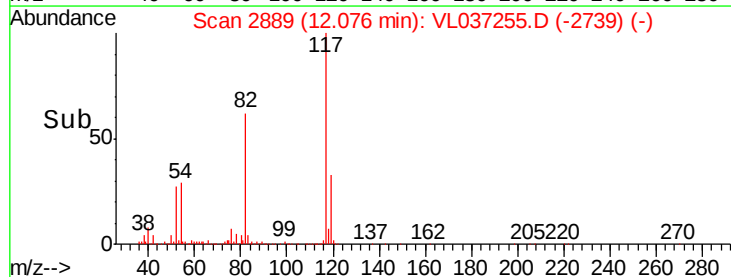
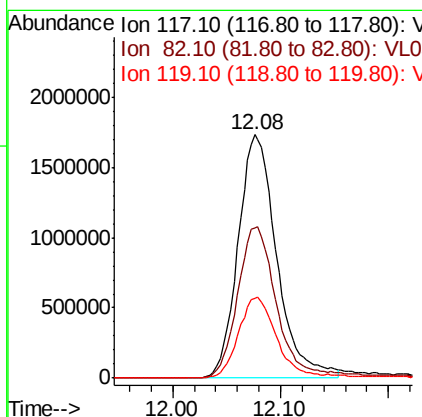
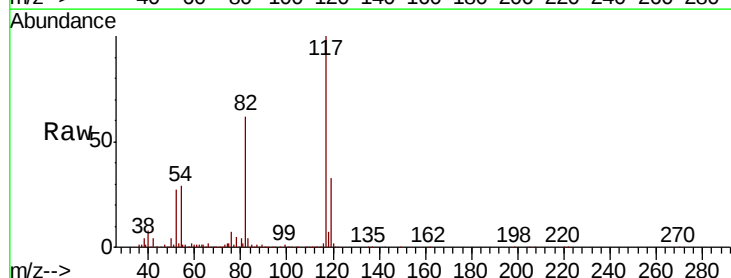


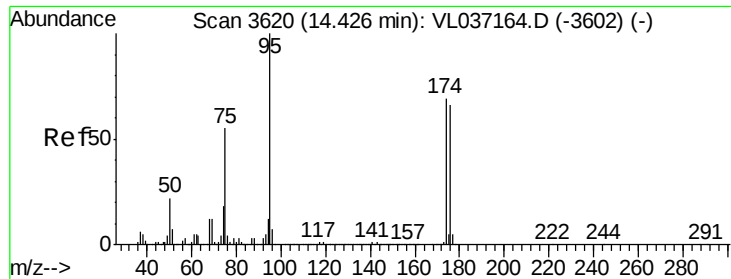
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion	117	Resp	4321121
Ion Ratio	Lower	Upper	
117	100		
82	66.1	51.7	77.5
119	35.3	47.6	71.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.973 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.02 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.8	57.0	85.4
175	5.4	4.4	6.6

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:38:35 PM

