

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037712.D
 Acq On : 28 Sep 2021 21:18
 Operator : SY/AP
 Sample : M3948-02DL2 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 05:13:11 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu Sep 16 13:42:46 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1396807	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4113605	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3434746	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2410848	9.71	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 97.10%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	26558	0.101	ppbv	# 90
9) Propene	3.03	41	20321m	0.219	ppbv	
13) Ethanol	3.63	45	15782m	1.736	ppbv	
15) Acetone	3.86	43	1139913	7.855	ppbv	98
16) 1,3-Butadiene	3.32	39	43814	0.483	ppbv	# 23
19) Isopropyl Alcohol	4.00	45	40758m	0.516	ppbv	
20) Methylene Chloride	4.35	84	21749m	0.314	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	9169m	0.040	ppbv	
34) 2-Butanone	5.27	43	133792m	0.800	ppbv	
38) Trichloroethene	7.84	130	414280	2.891	ppbv	94
51) 2-Hexanone	10.17	43	28534m	0.305	ppbv	
52) Tetrachloroethene	11.23	164	337041m	2.559	ppbv	
59) m/p-Xylene	12.97	91	43709m	0.110	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	60774m	0.143	ppbv	

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

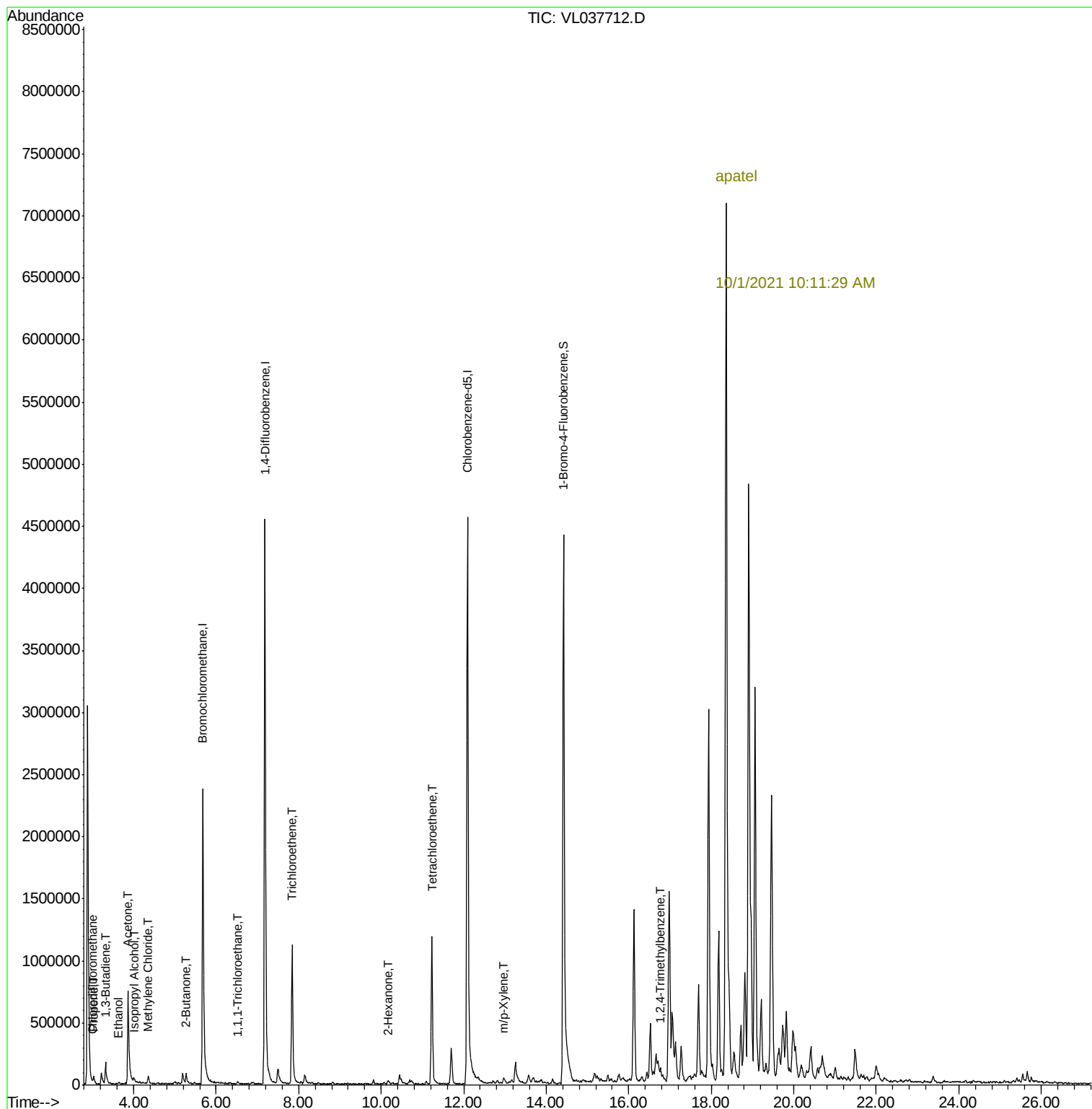
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
Data File : VL037712.D
Acq On : 28 Sep 2021 21:18
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Sample : M3948-02DL2 80X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

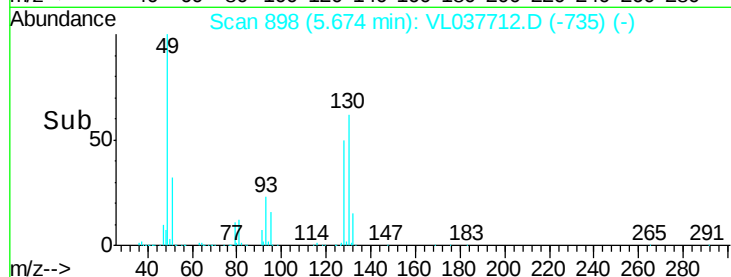
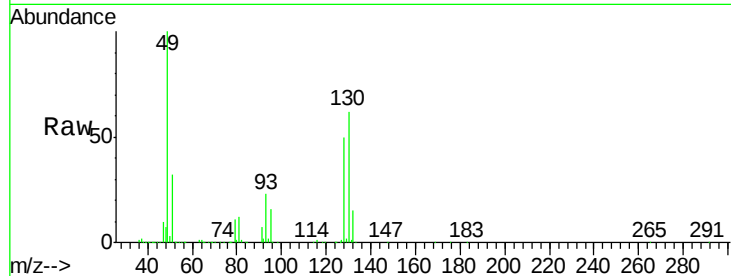
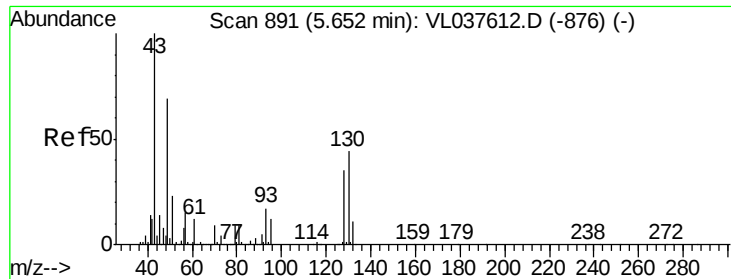
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Manual Integrations
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Quant Time: Sep 29 05:13:11 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Sep 16 13:42:46 2021
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Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 21:18

Tgt Ion:

Ion Ratio

49 100

128 53.

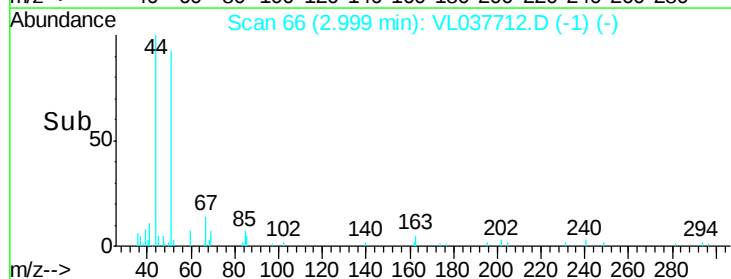
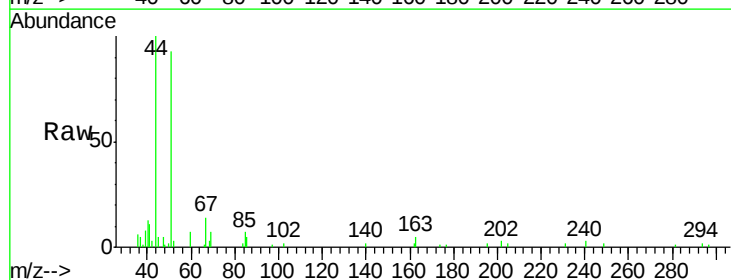
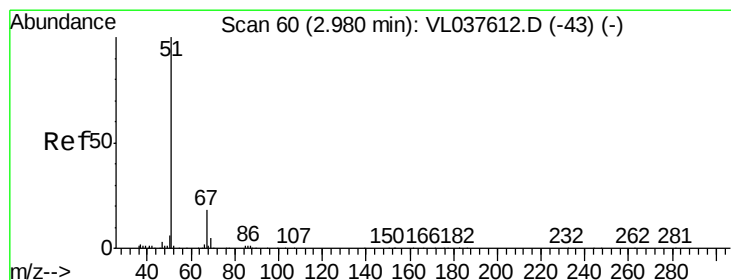
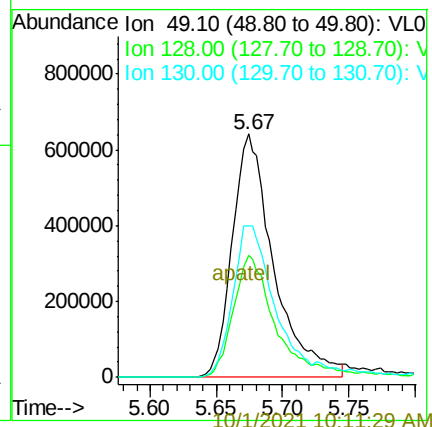
130 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



#3

Chlorodifluoromethane

Concen: 0.101 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL037712.D

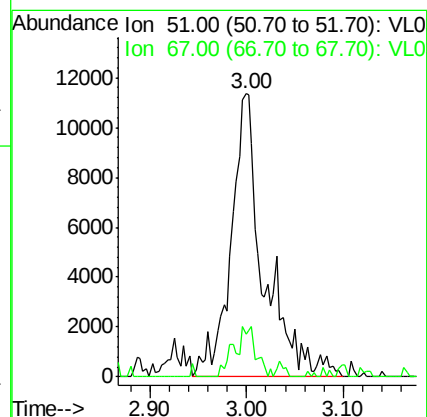
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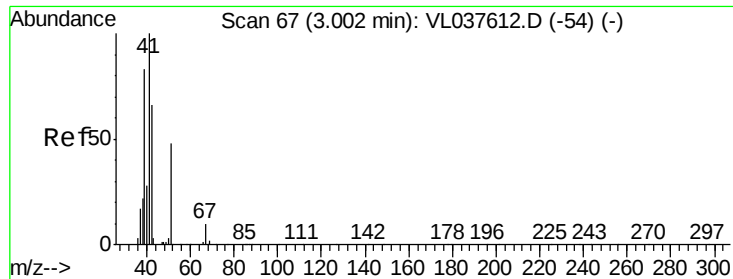
Tgt Ion: 51 Resp: 26558

Ion Ratio Lower Upper

51 100

67 13.2 14.0 21.0#





#9

Propene

Concen: 0.219 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 21:18

Tgt Ion:

Ion Ratio

41 100

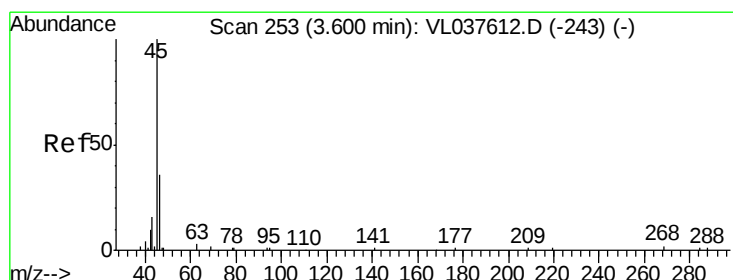
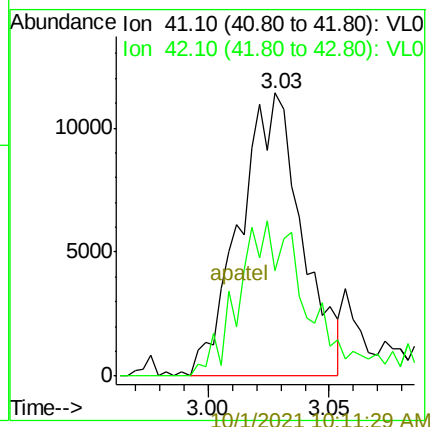
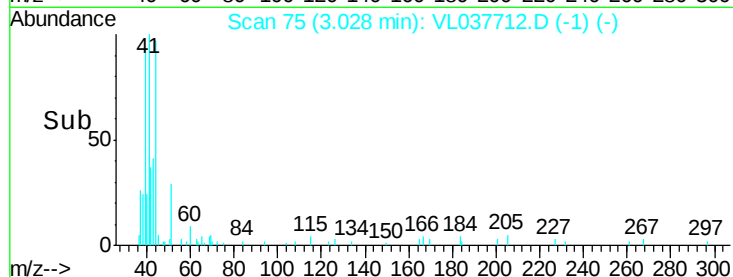
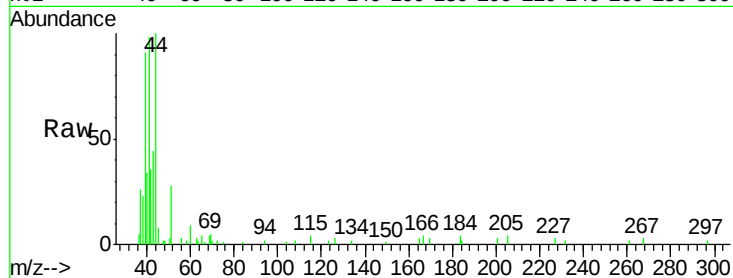
42 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/29/2021

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#13

Ethanol

Concen: 1.736 ppbv m

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL037712.D

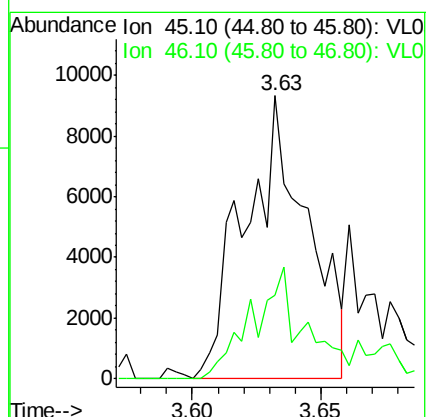
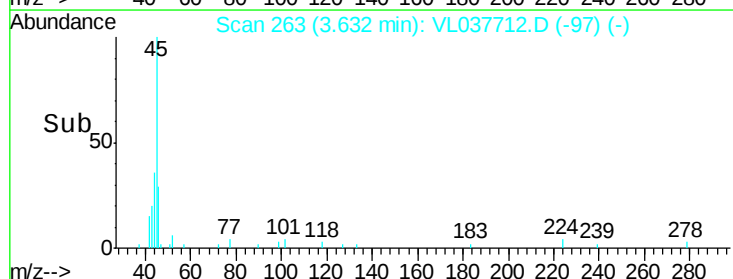
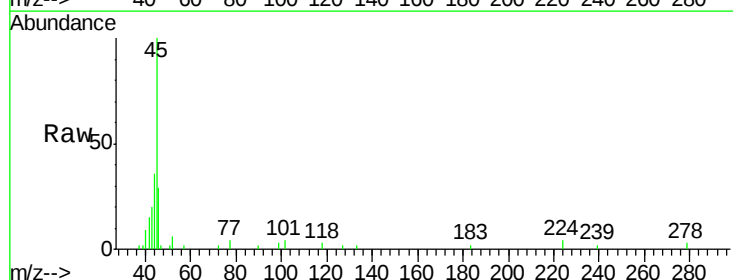
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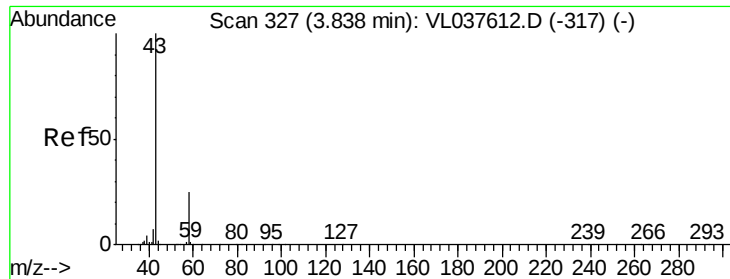
Tgt Ion: 45 Resp: 15782

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#



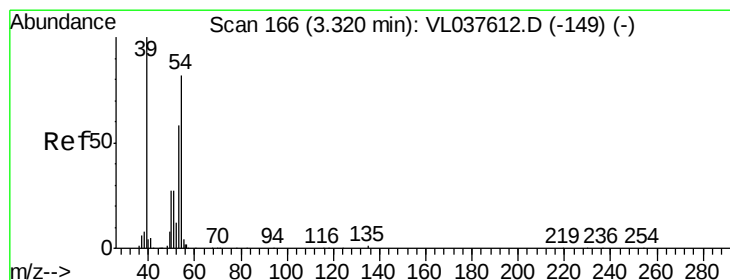
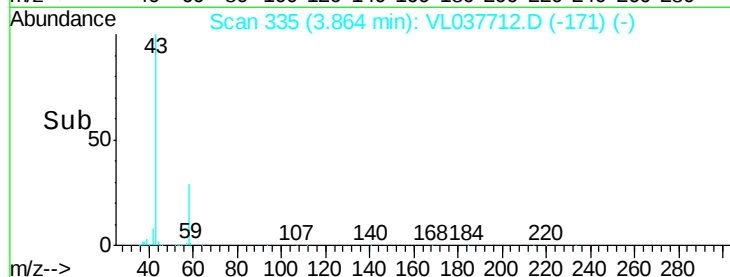
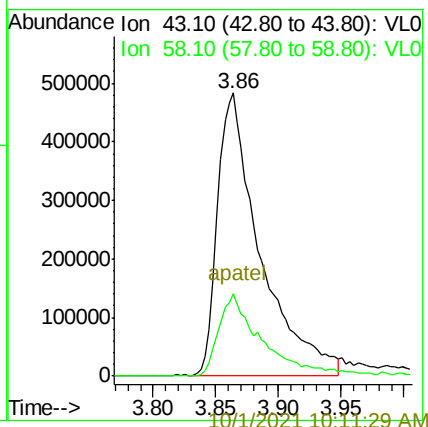
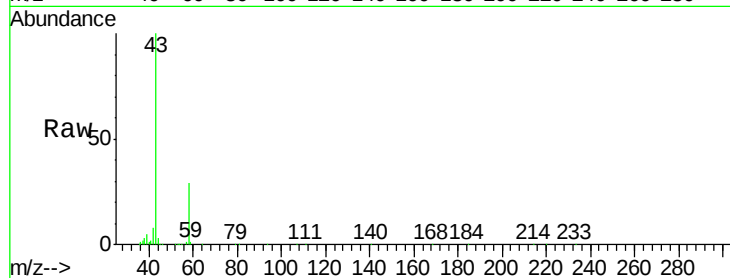


#15
Acetone
Concen: 7.855 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL2
Acq: 28 Sep 2021 21:18

Tgt Ion:
Ion Ratio
43 100
58 30.

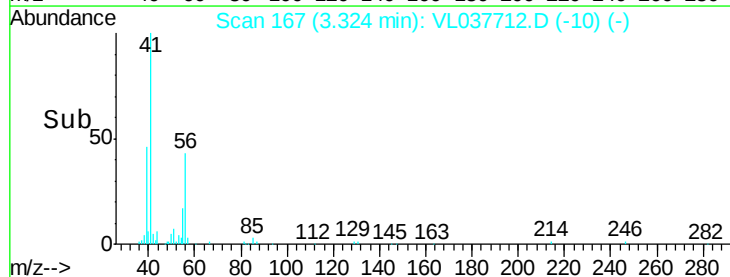
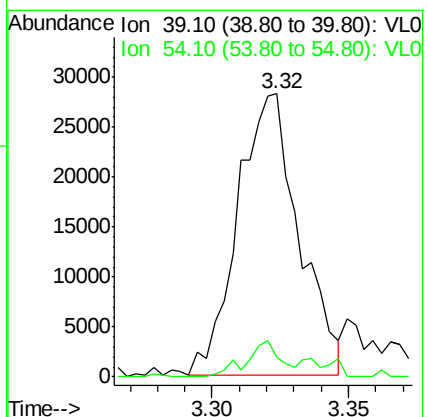
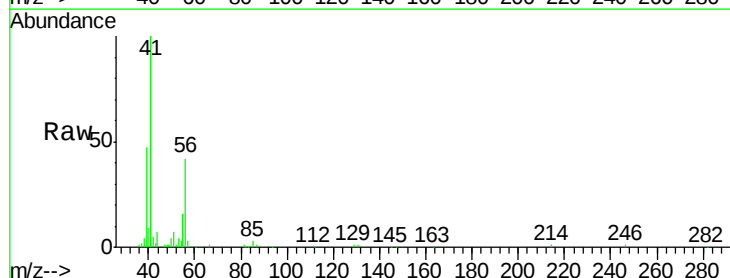
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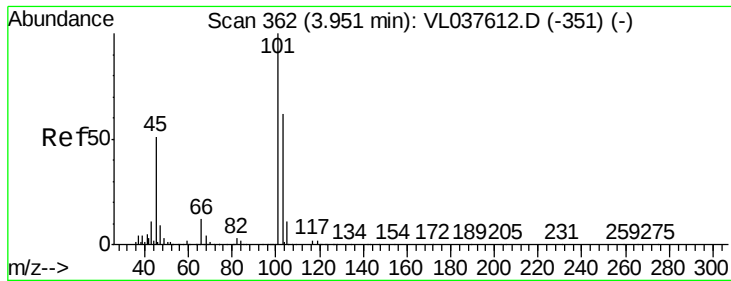
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#16
1,3-Butadiene
Concen: 0.483 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037712.D
Acq: 28 Sep 2021 21:18

Tgt Ion: 39 Resp: 43814
Ion Ratio Lower Upper
39 100
54 11.3 62.6 93.8#



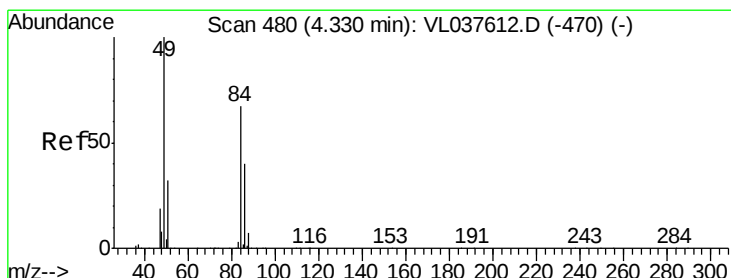
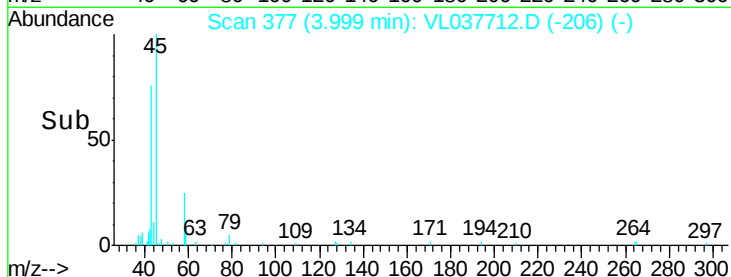
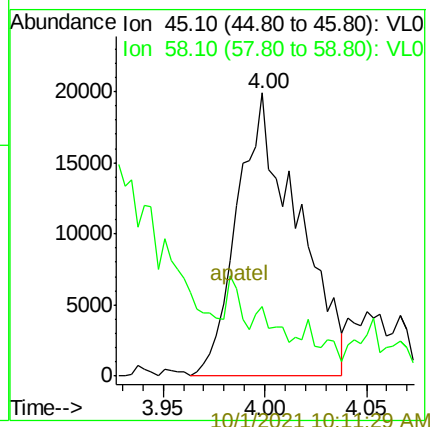
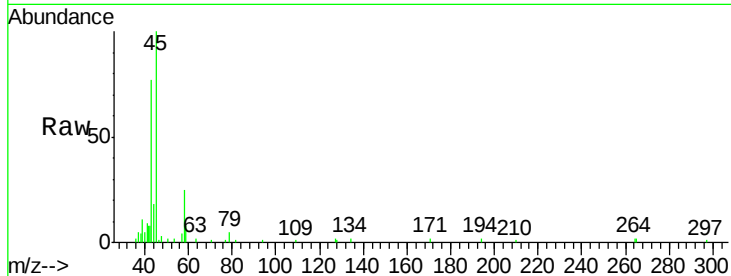


#19
Isopropyl Alcohol
Concen: 0.516 ppbv m
RT: 4.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV2DL2
Acq: 28 Sep 2021 21:18

Tgt Ion:
Ion Ratio
45 100
58 0.

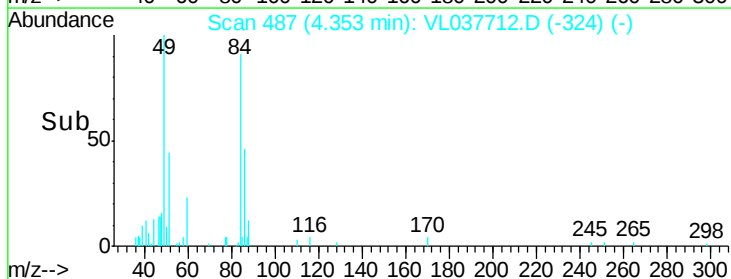
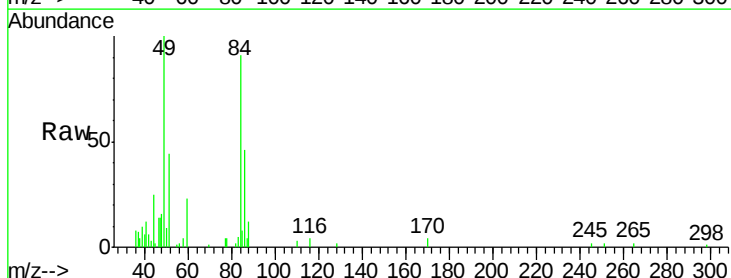
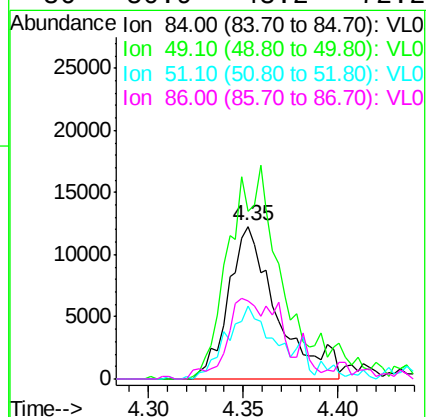
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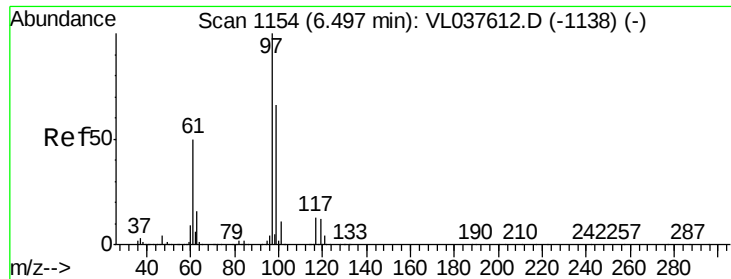
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#20
Methylene Chloride
Concen: 0.314 ppbv m
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037712.D
Acq: 28 Sep 2021 21:18

Tgt Ion: 84 Resp: 21749
Ion Ratio Lower Upper
84 100
49 110.3 120.0 180.0#
51 48.1 38.0 57.0
86 50.9 48.2 72.2



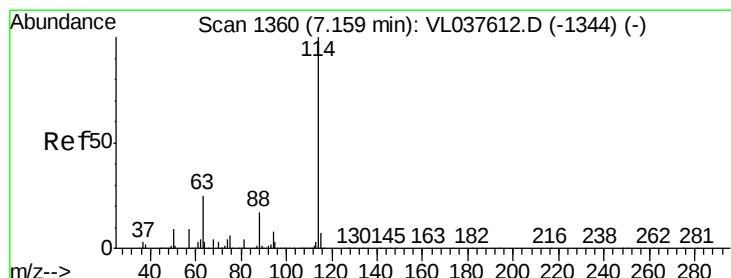
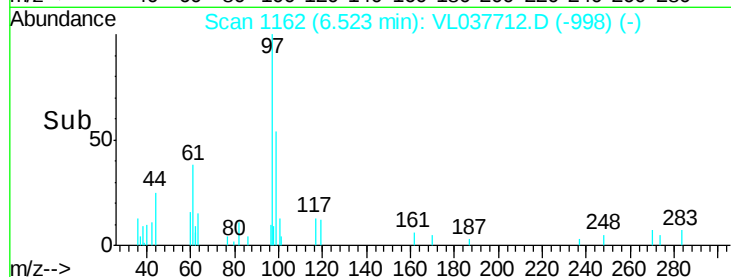
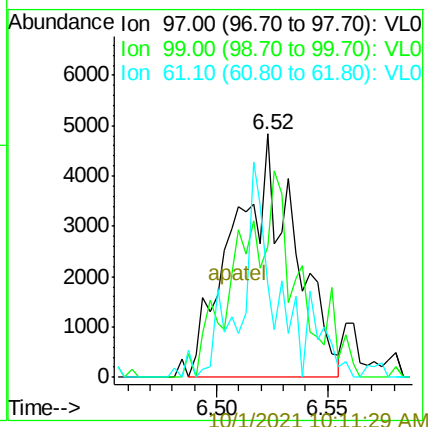
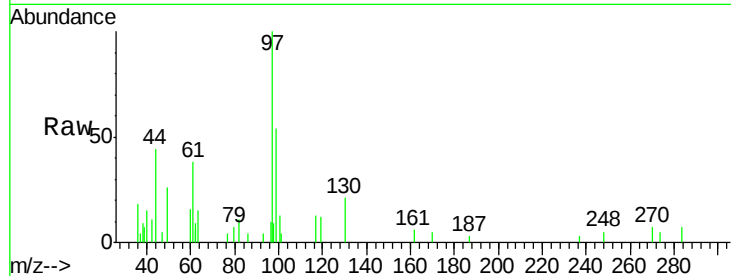


#32
 1,1,1-Trichloroethane
 Concen: 0.040 ppbv m
 RT: 6.52 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: SV2DL2
 Acq: 28 Sep 2021 21:18

Tgt Ion:
 Ion Ratio
 97 100
 99 83.
 61 0.

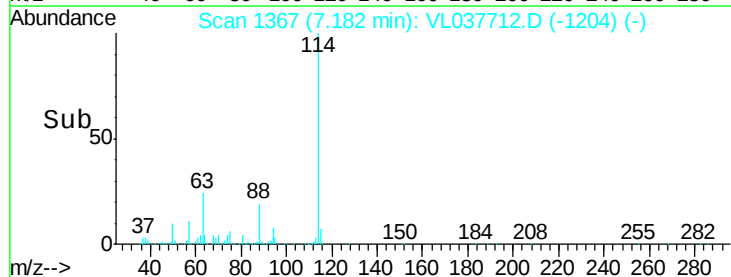
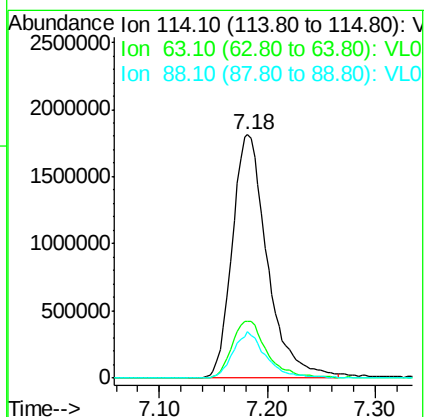
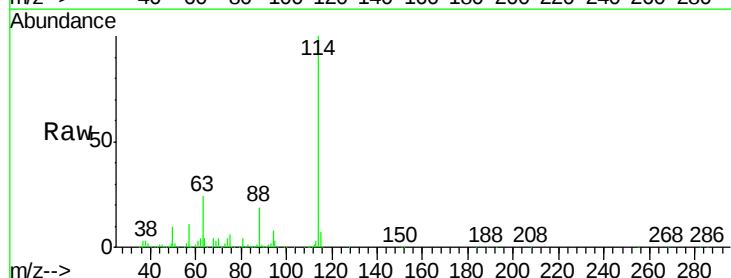
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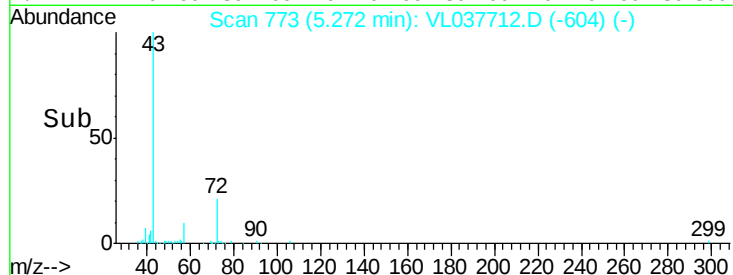
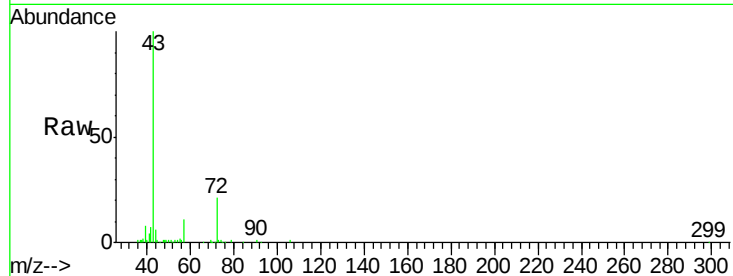
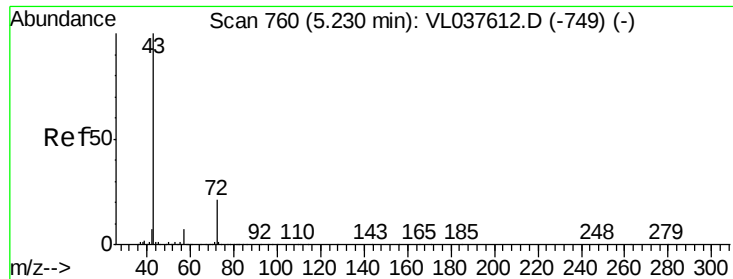
Reviewed By :Semsettin Yesilyurt 09/29/2021
 Supervised By :Amit Patel 10/01/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.02 min
 Lab File: VL037712.D
 Acq: 28 Sep 2021 21:18

Tgt Ion:114 Resp: 4113605
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 18.2 14.2 21.4



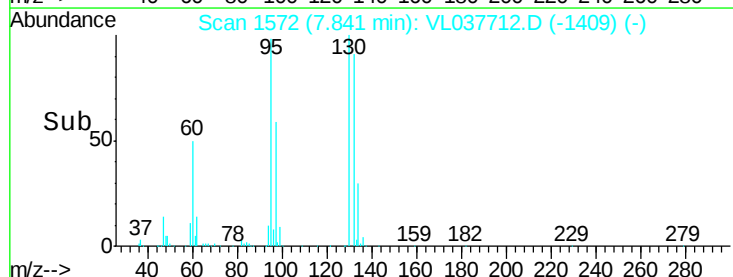
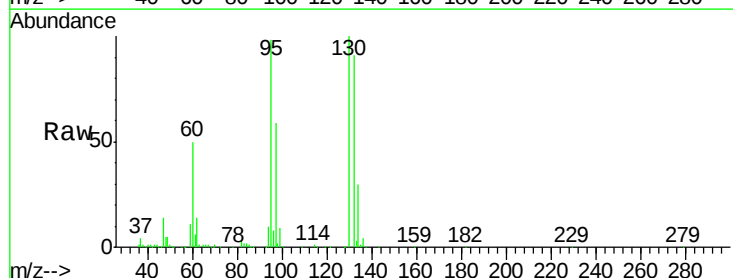
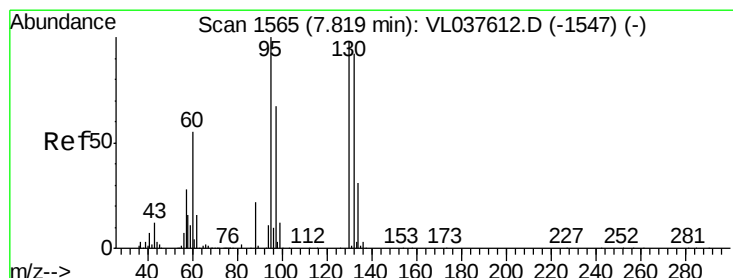
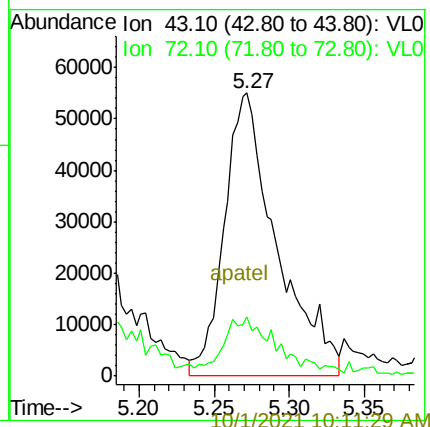


#34
2-Butanone
Concen: 0.800 ppbv m
RT: 5.27
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV2DL2
Acq: 28 Sep 2021 21:18

Tgt Ion:
Ion Ratio
43 100
72 25.

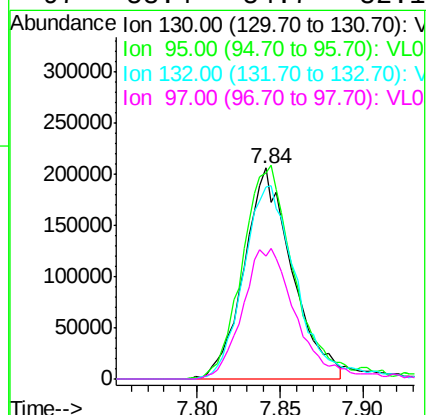
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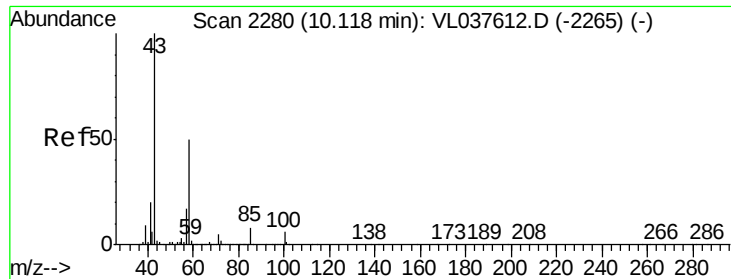
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#38
Trichloroethene
Concen: 2.891 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VL037712.D
Acq: 28 Sep 2021 21:18

Tgt Ion:130 Resp: 414280
Ion Ratio Lower Upper
130 100
95 97.3 81.8 122.6
132 91.1 75.3 112.9
97 58.4 54.7 82.1



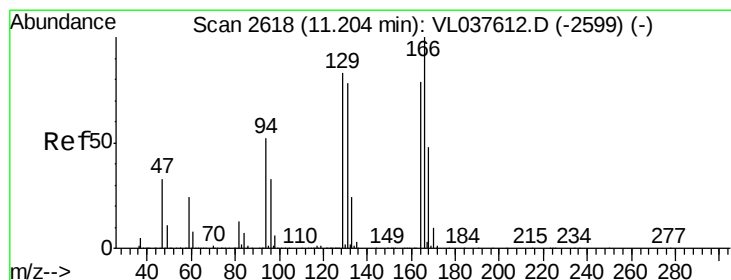
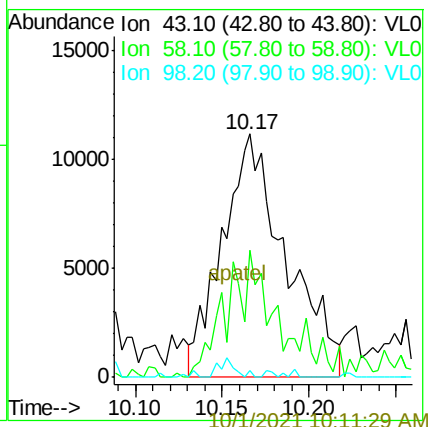
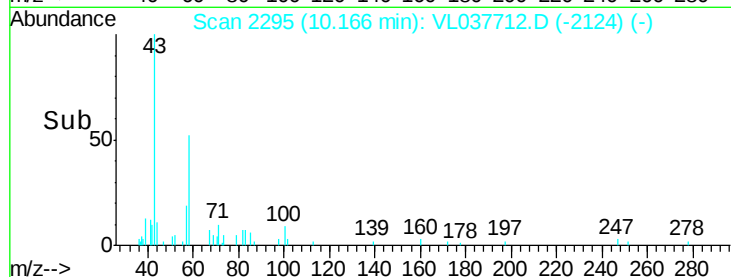
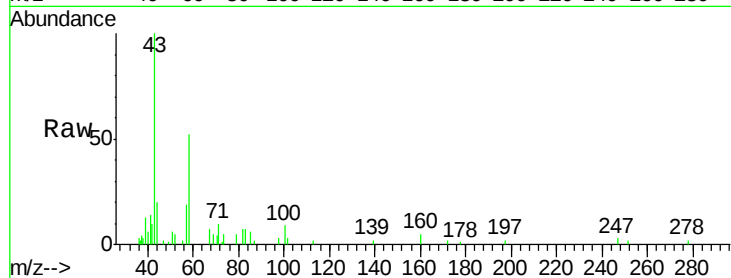


#51
2-Hexanone
Concen: 0.305 ppbv m
RT: 10.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 21:18

Tgt Ion:
Ion Ratio
43 100
58 45.
98 2.

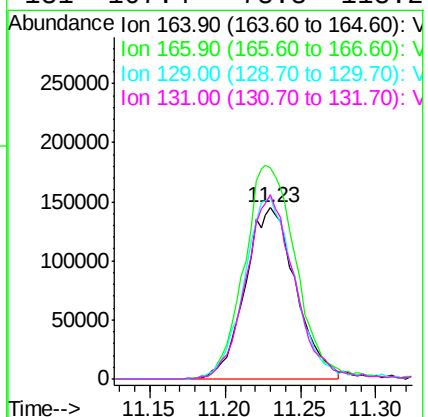
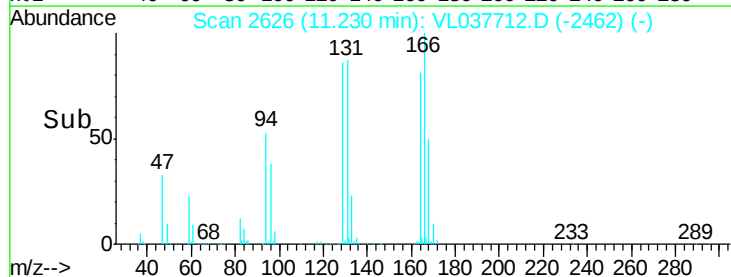
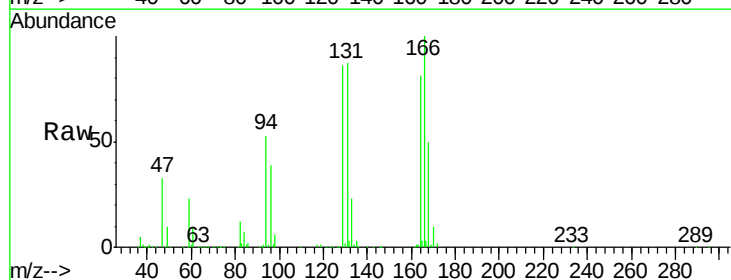
Manual Integrations
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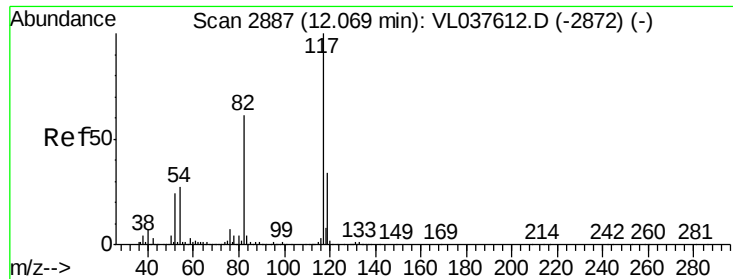
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#52
Tetrachloroethene
Concen: 2.559 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037712.D
Acq: 28 Sep 2021 21:18

Tgt Ion:164 Resp: 337041
Ion Ratio Lower Upper
164 100
166 123.1 101.2 151.8
129 105.9 84.0 126.0
131 107.4 78.8 118.2



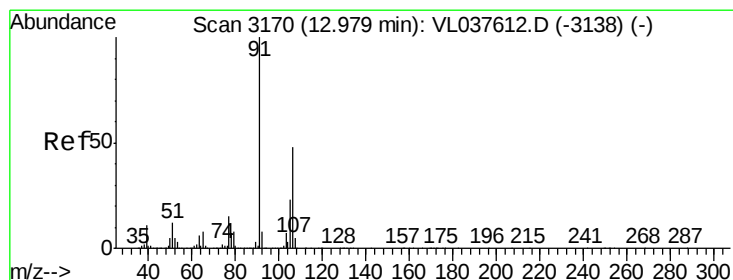
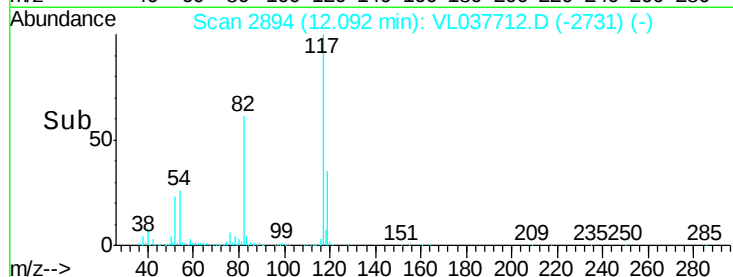
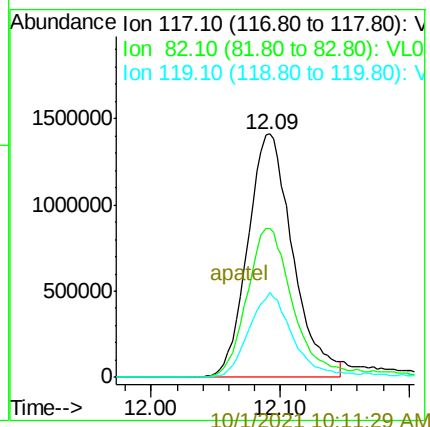
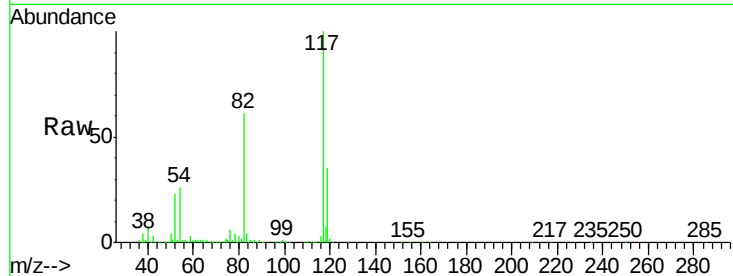


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV2DL2
Acq: 28 Sep 2021 21:18

Tgt Ion: 1
Ion Ratio
117 100
82 68.
119 35.

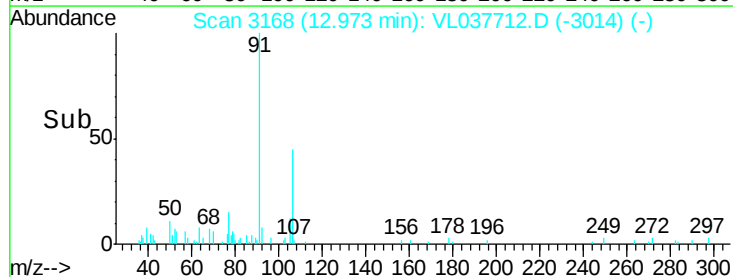
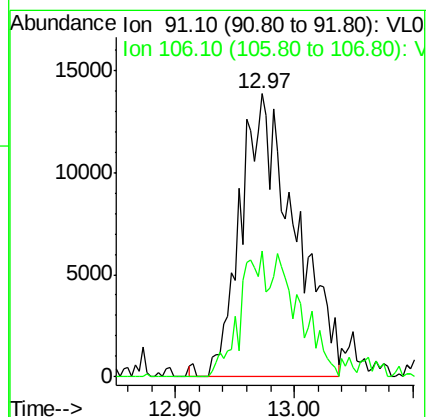
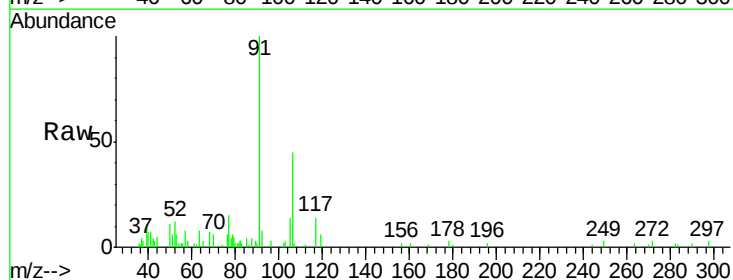
Manual Integrations
APPROVED

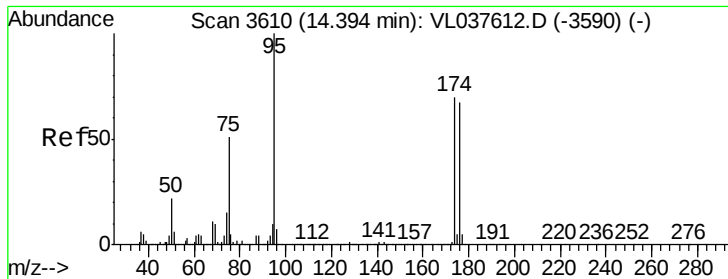
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#59
m/p-Xylene
Concen: 0.110 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037712.D
Acq: 28 Sep 2021 21:18

Tgt Ion: 91 Resp: 43709
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



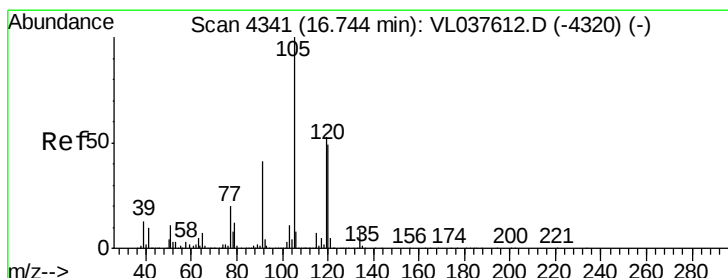
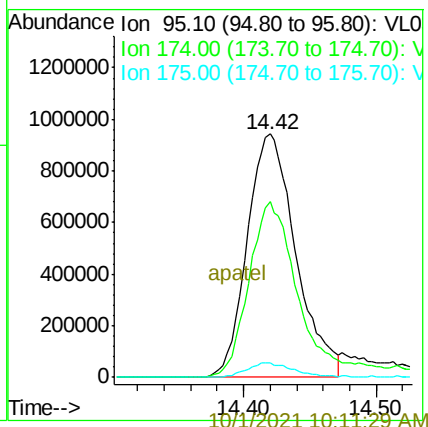
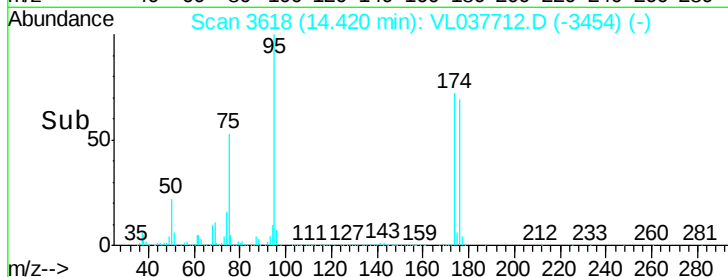
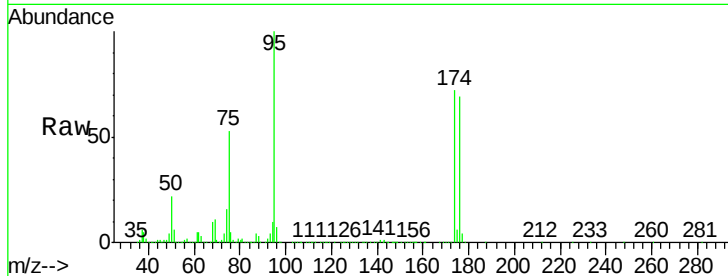


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.712 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL2
 Acq: 28 Sep 2021 21:18

Tgt Ion:
 Ion Ratio
 95 100
 174 80.1
 175 5.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021
 Supervised By :Amit Patel 10/01/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 0.143 ppbv m
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.02 min
 Lab File: VL037712.D
 Acq: 28 Sep 2021 21:18

Tgt Ion:105 Resp: 60774
 Ion Ratio Lower Upper
 105 100
 120 42.5 39.4 59.0
 91 8.5 33.3 49.9#
 77 12.5 15.7 23.5#

