

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036330.D
 Acq On : 10 Feb 2021 23:15
 Operator : SY/AP
 Sample : M1343-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4B

Manual Integrations
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 2/12/2021 1:42:40 PM

Quant Time: Feb 11 21:01:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1529253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3348249	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2970571	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2438651m	9.98	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	58469m	0.256	ppbv	
3) Chlorodifluoromethane	2.97	51	1834347	9.654	ppbv #	91
4) Chloromethane	3.12	50	70601	0.769	ppbv #	84
9) Propene	3.00	41	214499m	3.028	ppbv	
11) Trichlorofluoromethane	3.93	101	47607	0.213	ppbv	98
13) Ethanol	3.62	45	19552580	1469.413	ppbv	95
15) Acetone	3.83	43	1559768	8.344	ppbv	99
19) Isopropyl Alcohol	3.99	45	3812734m	36.815	ppbv	
20) Methylene Chloride	4.33	84	114021m	1.891	ppbv	
26) Hexane	5.66	57	151819	1.024	ppbv	78
29) Chloroform	5.73	83	78845m	0.330	ppbv	
30) Cyclohexane	7.11	84	29757m	0.241	ppbv	
34) 2-Butanone	5.23	43	177992	0.800	ppbv	92
35) Carbon Tetrachloride	7.00	117	17727m	0.079	ppbv	
36) Benzene	6.87	78	493624	1.736	ppbv	96
44) 2,2,4-Trimethylpentane	7.85	57	70292m	0.136	ppbv	
53) Toluene	9.78	91	505408	1.641	ppbv	100
59) m/p-Xylene	12.95	91	89602m	0.251	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	42954m	0.114	ppbv	

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

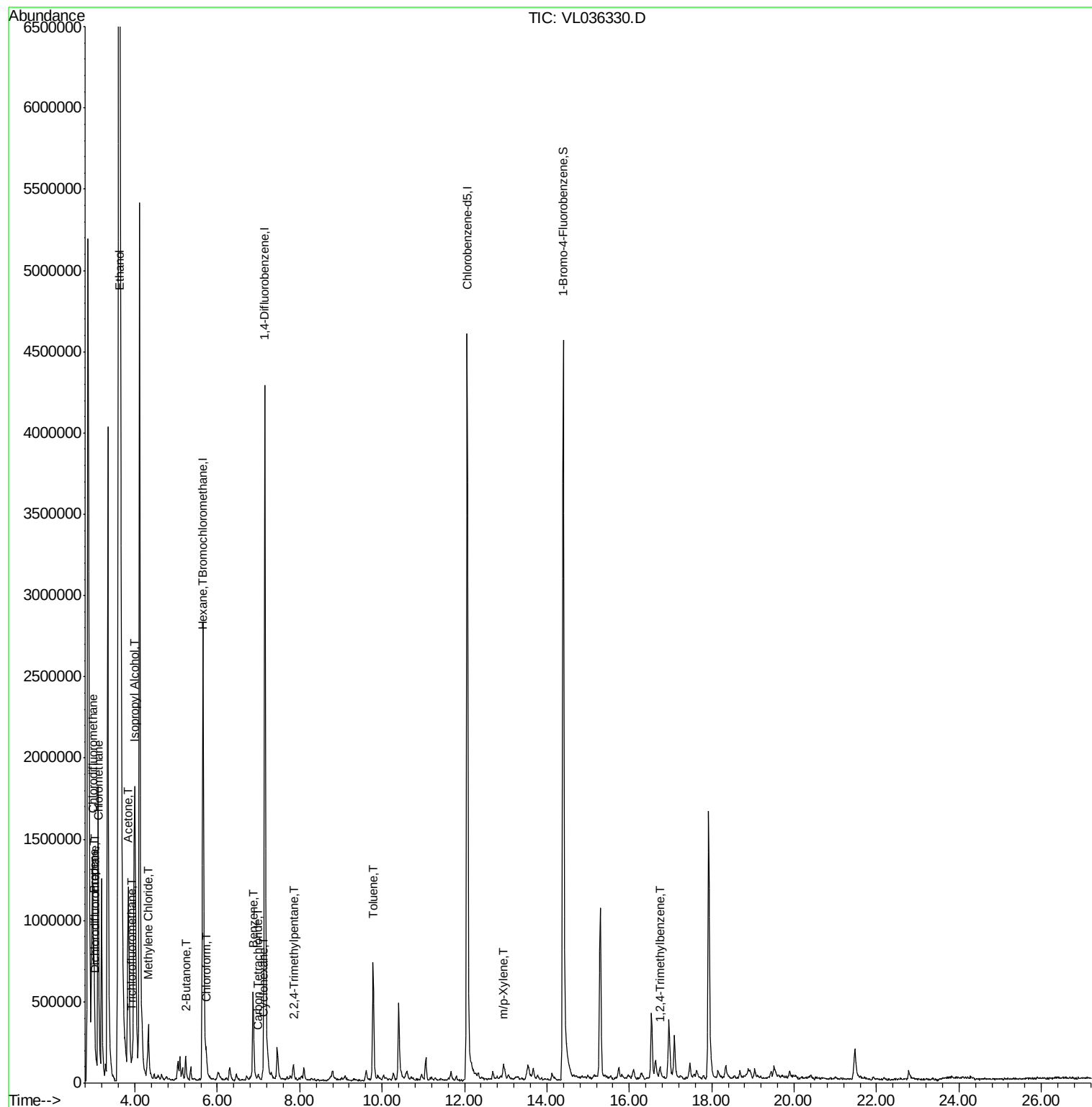
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036330.D
Acq On : 10 Feb 2021 23:15
Operator : SY/AP
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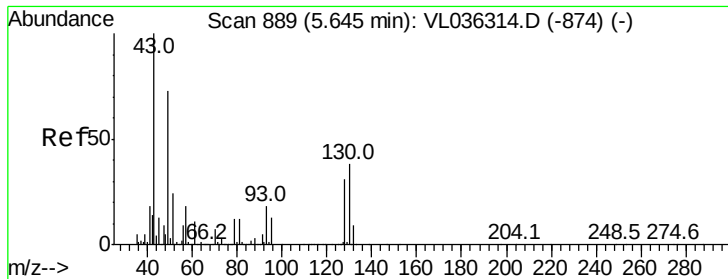
Instrument :
MSVOA_L
ClientSampleId :
SR-4B

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Quant Time: Feb 11 21:01:58 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL036330.D

Acq: 10 Feb 2021 23:15

Instrument :

MSVOA_L

ClientSampleId :

SR-4B

Tot Ion: 49 Resp: 1529253

Ion Ratio Lower Upper

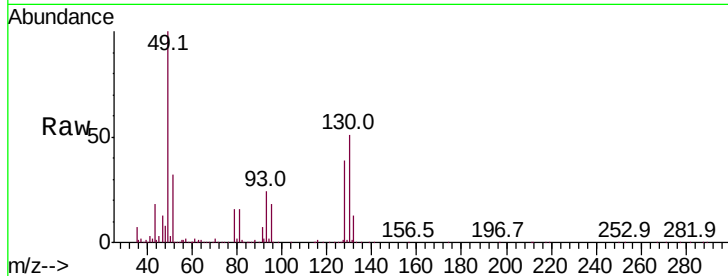
49 100

128 41.4 20.8 62.5

130 52.9 26.7 80.1

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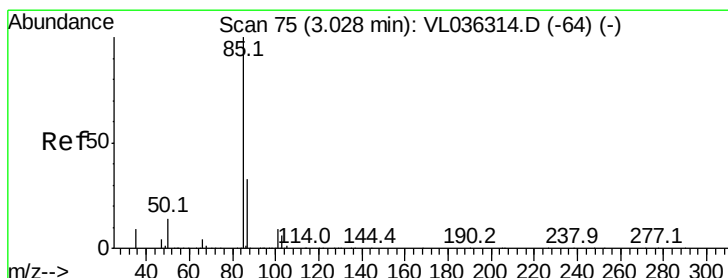
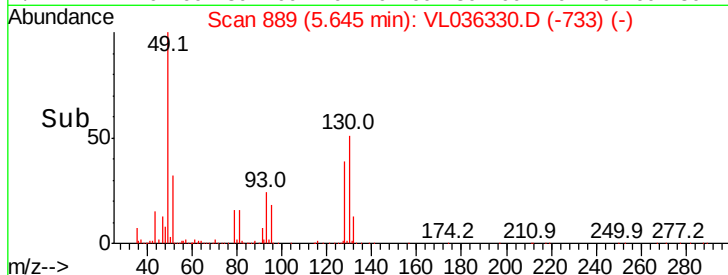
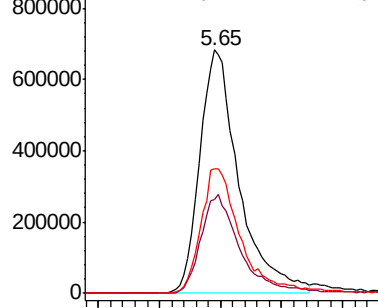
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.256 ppbv m

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036330.D

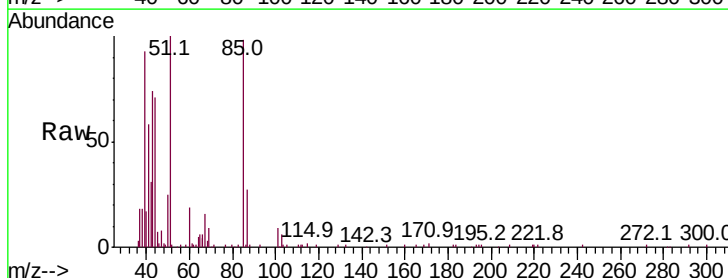
Acq: 10 Feb 2021 23:15

Tgt Ion: 85 Resp: 58469

Ion Ratio Lower Upper

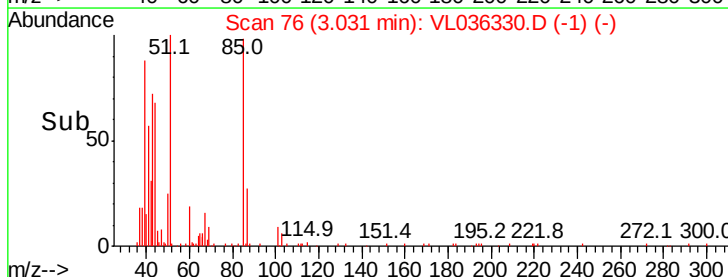
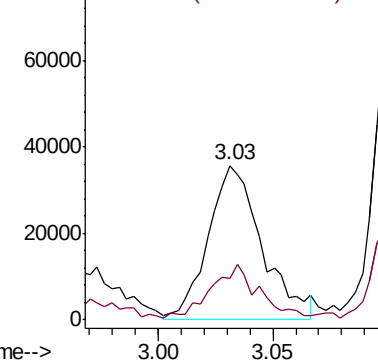
85 100

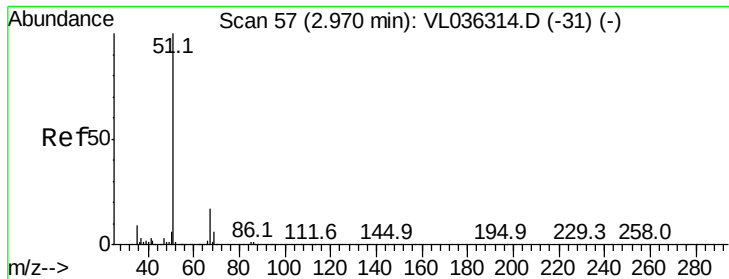
87 27.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





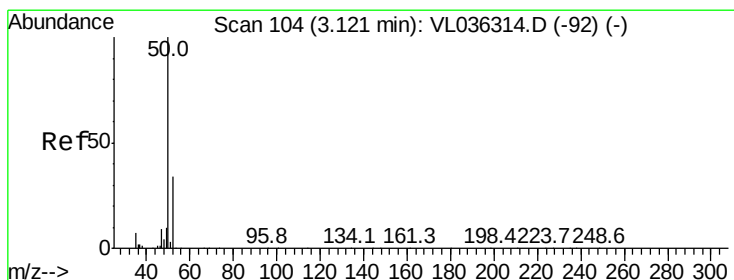
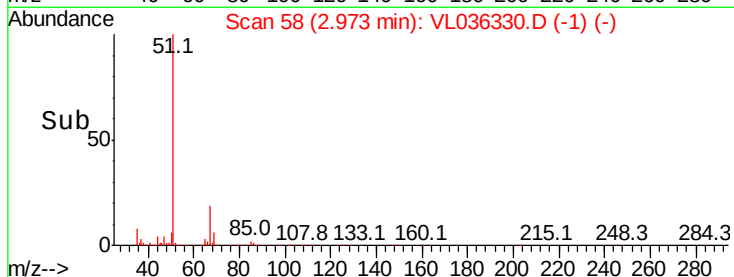
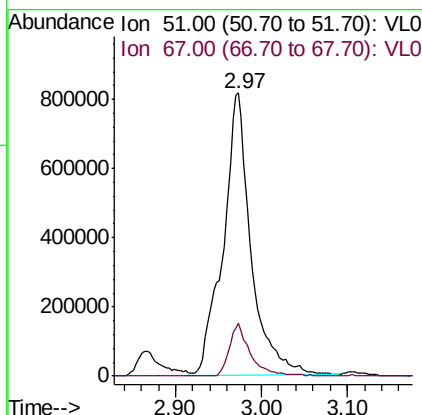
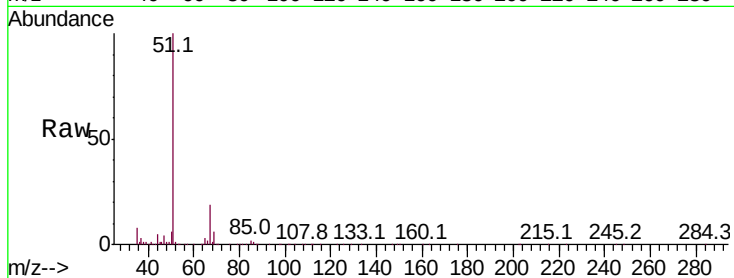
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Chlorodifluoromethane
Concen: 9.654 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion: 51 Resp: 1834347
Ion Ratio Lower Upper
51 100
67 14.2 14.7 22.1#

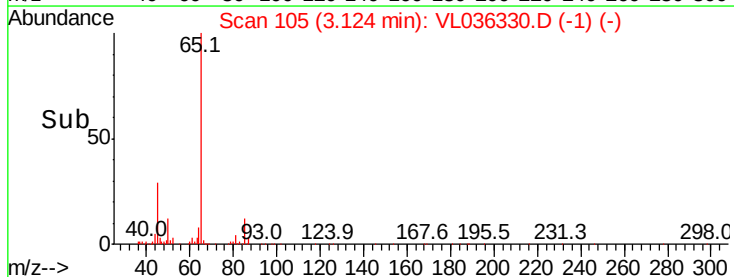
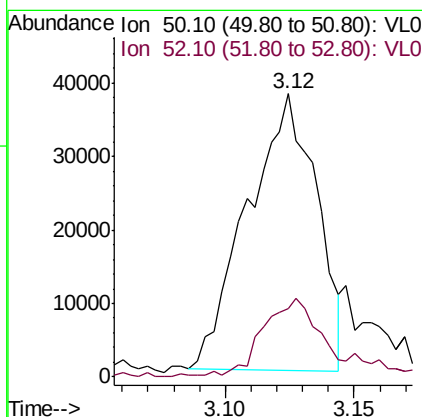
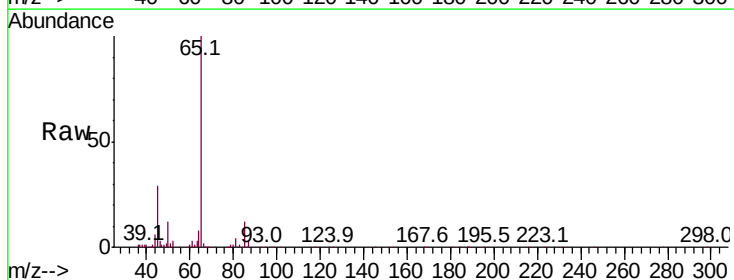
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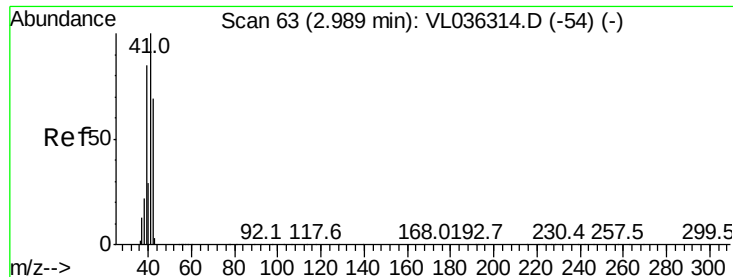
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#4
Chloromethane
Concen: 0.769 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion: 50 Resp: 70601
Ion Ratio Lower Upper
50 100
52 24.4 27.0 40.4#





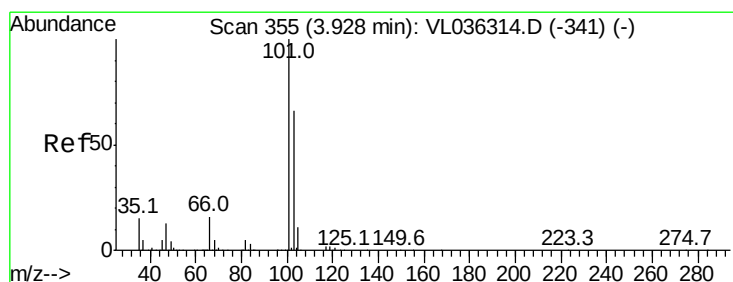
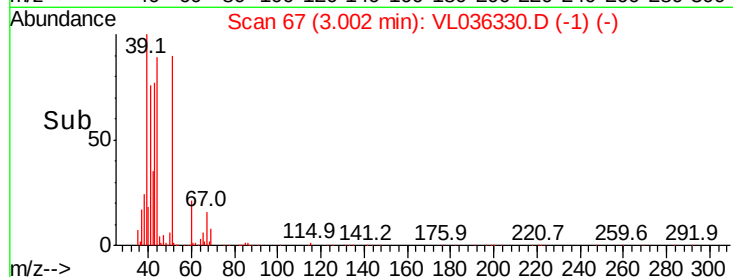
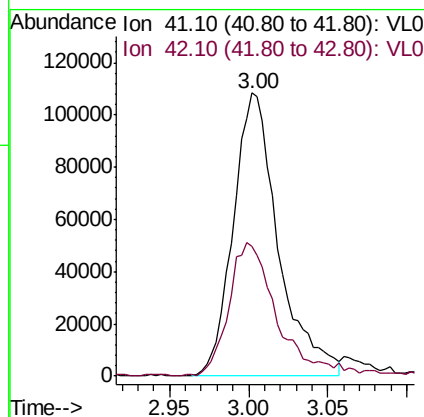
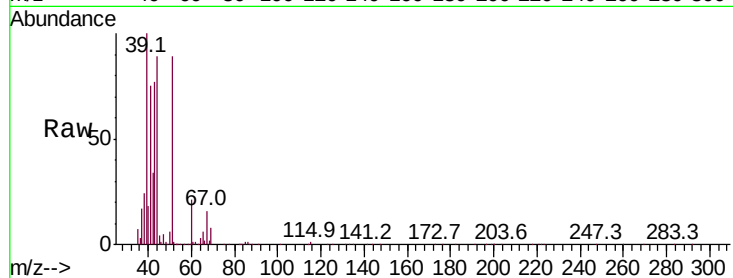
#9
 Propene
 Concen: 3.028 ppbv m
 RT: 3.00 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: VL036330.D
 Acq: 10 Feb 2021 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4B

Tot Ion: 41 Resp: 214499
 Ion Ratio Lower Upper
 41 100
 42 134.6 56.2 84.2#

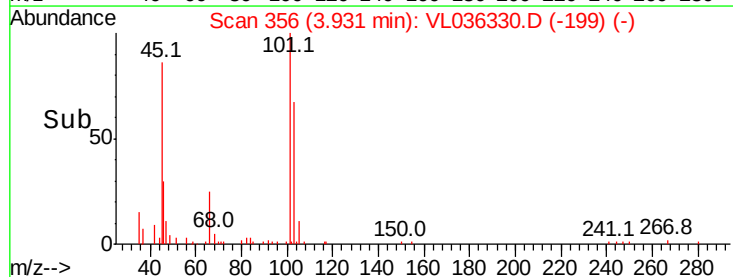
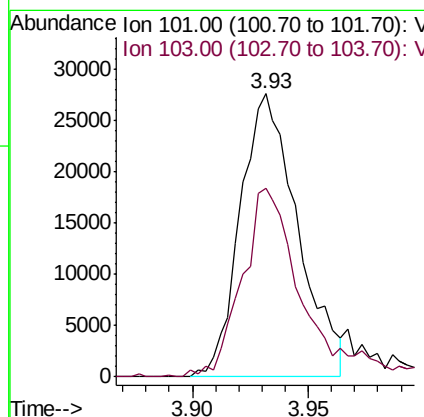
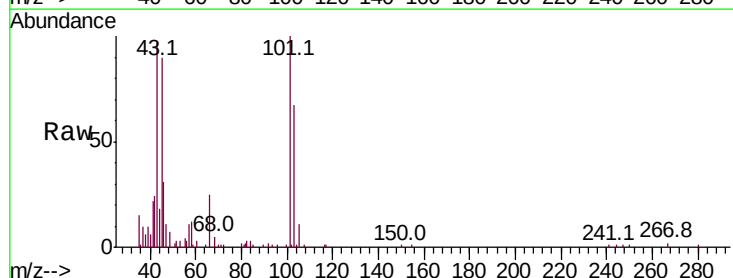
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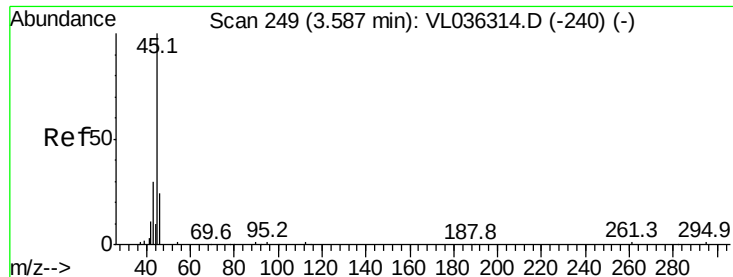
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#11
 Trichlorofluoromethane
 Concen: 0.213 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL036330.D
 Acq: 10 Feb 2021 23:15

Tgt Ion: 101 Resp: 47607
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.9 79.3





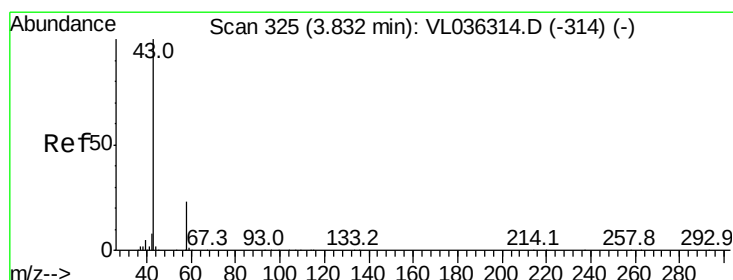
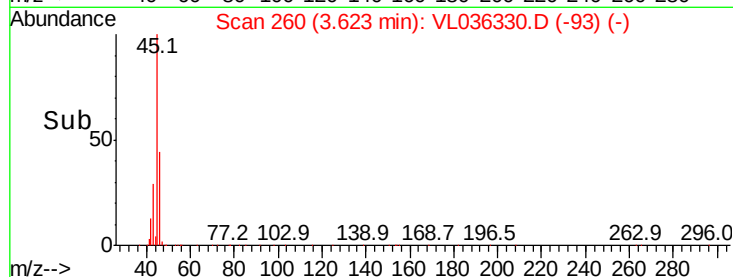
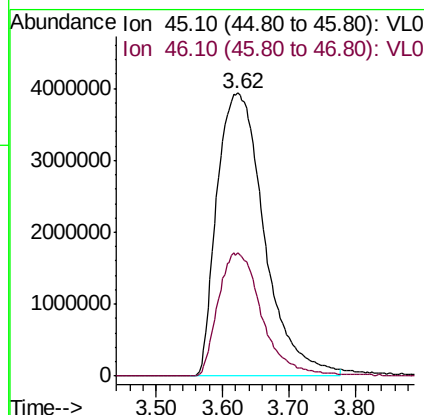
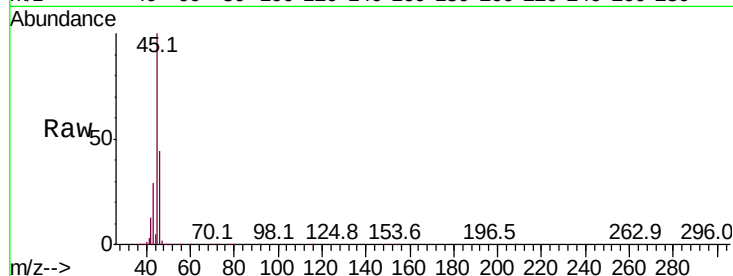
#13
Ethanol
Concen: 1469.413 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.04 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion: 45 Resp:19552580
Ion Ratio Lower Upper
45 100
46 40.9 17.7 70.7

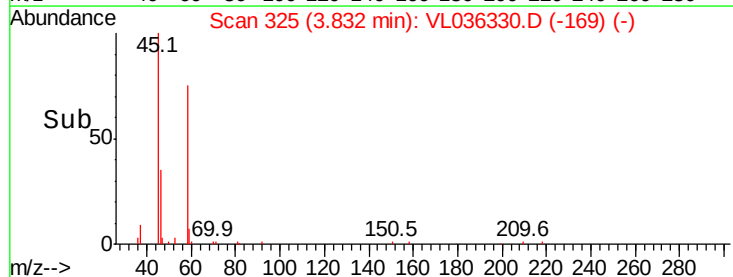
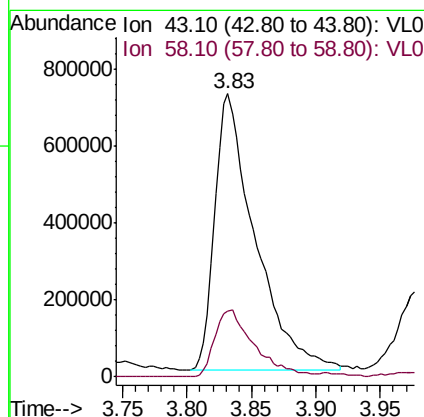
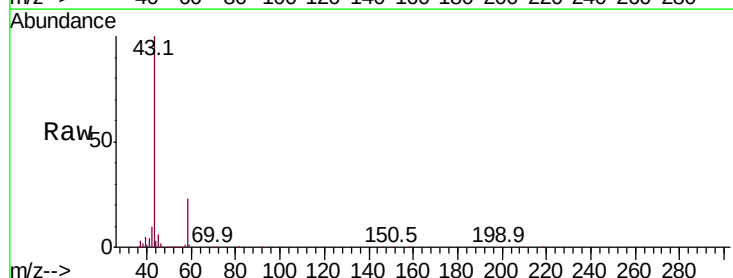
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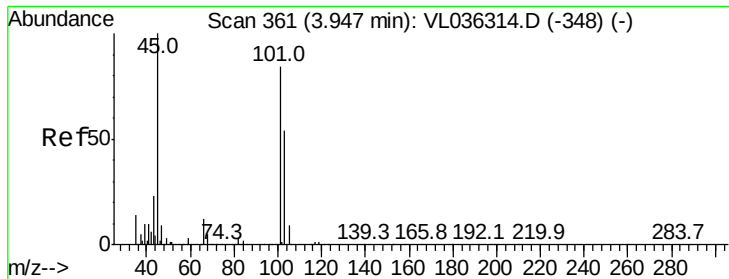
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#15
Acetone
Concen: 8.344 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion: 43 Resp: 1559768
Ion Ratio Lower Upper
43 100
58 24.9 20.3 30.5





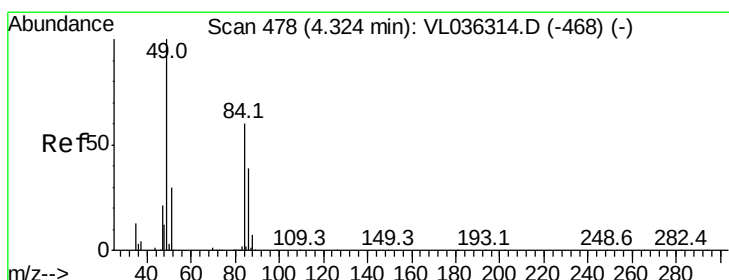
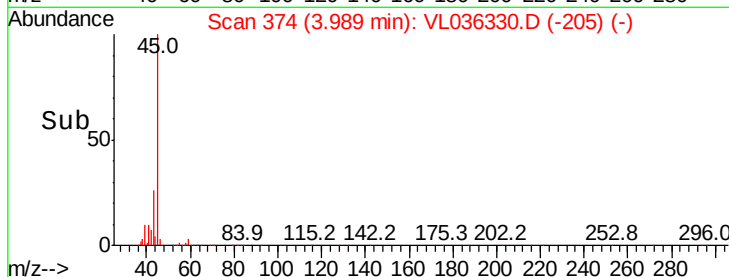
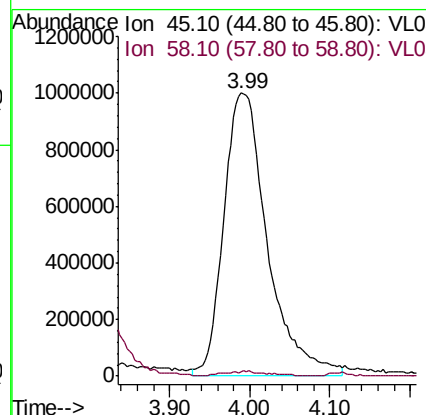
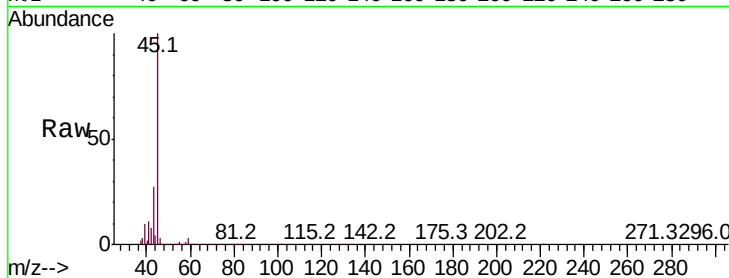
#19
Isopropyl Alcohol
Concen: 36.815 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion: 45 Resp: 3812734
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

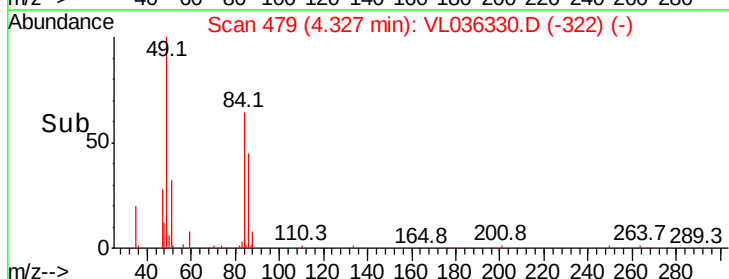
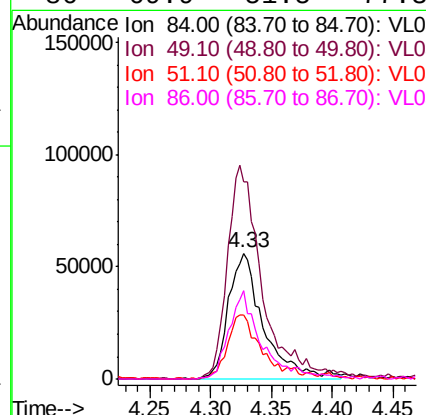
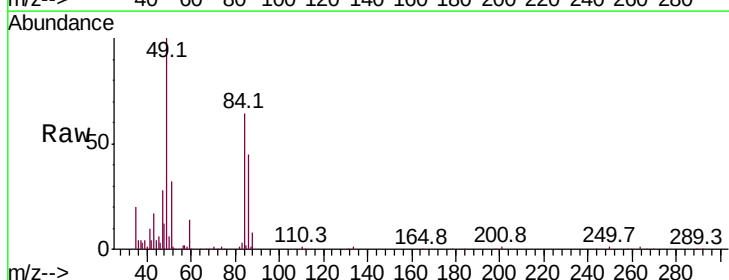
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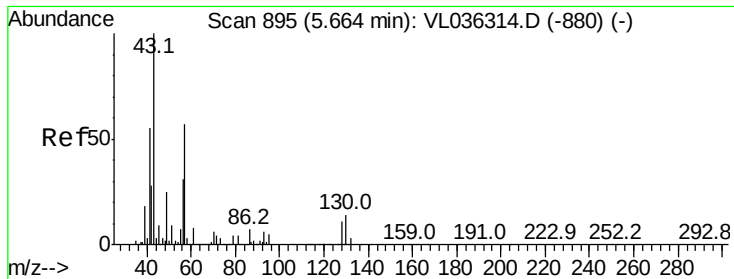
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#20
Methylene Chloride
Concen: 1.891 ppbv m
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion: 84 Resp: 114021
Ion Ratio Lower Upper
84 100
49 157.1 133.8 200.8
51 50.5 41.4 62.0
86 69.9 51.5 77.3





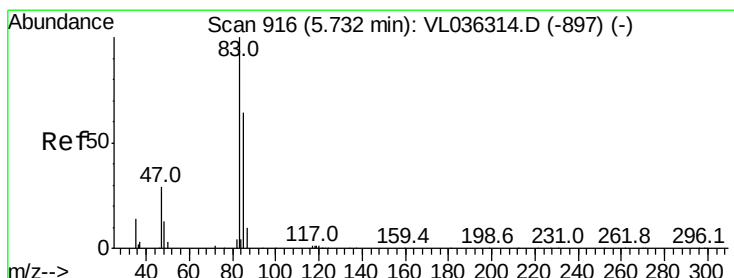
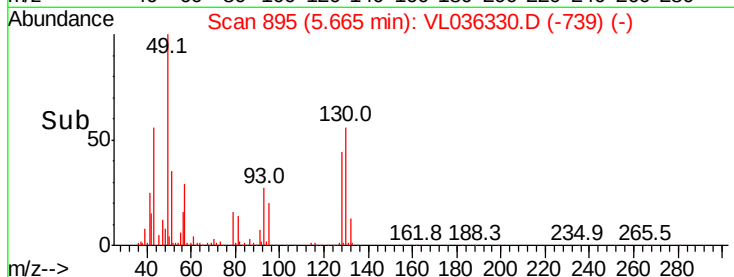
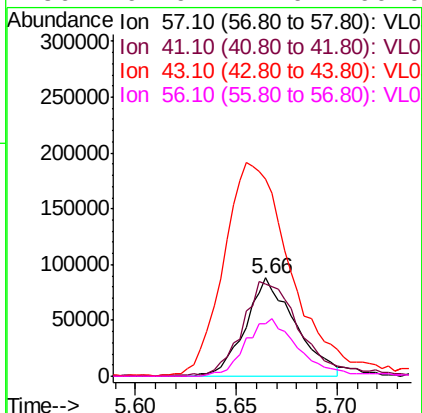
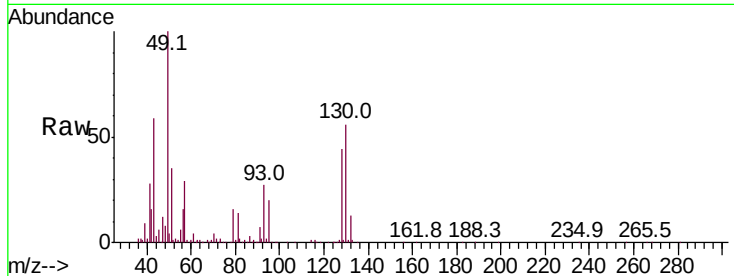
#26
Hexane
Concen: 1.024 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion	57	Resp	151819
Ion Ratio	Lower	Upper	
57	100		
41	114.3	81.7	122.5
43	297.5	199.1	298.7
56	64.9	44.0	66.0

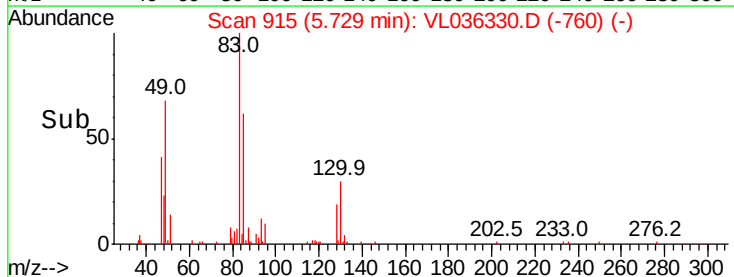
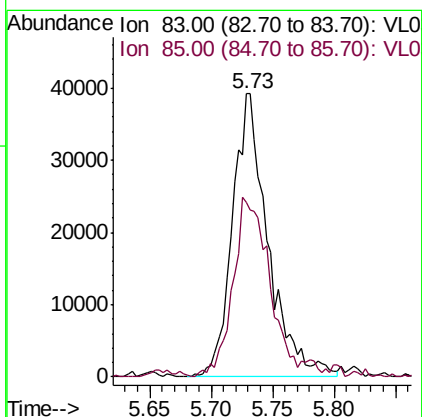
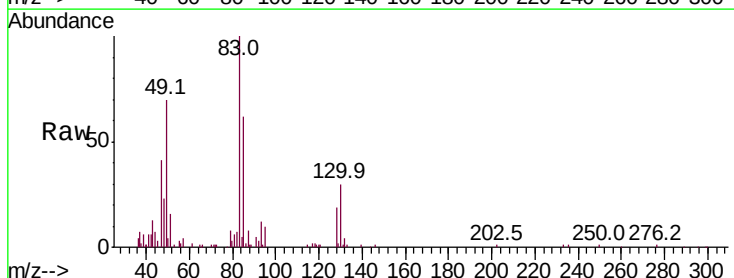
Manual Integrations
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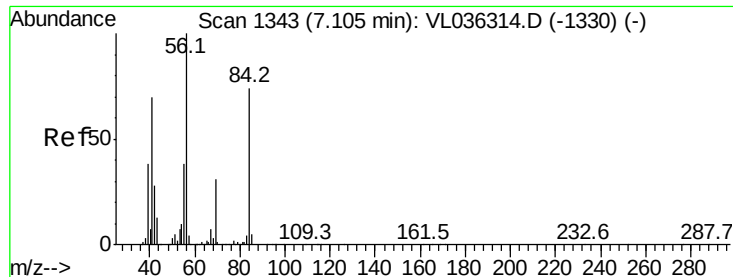
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#29
Chloroform
Concen: 0.330 ppbv m
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion	83	Resp	78845
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.4	77.2





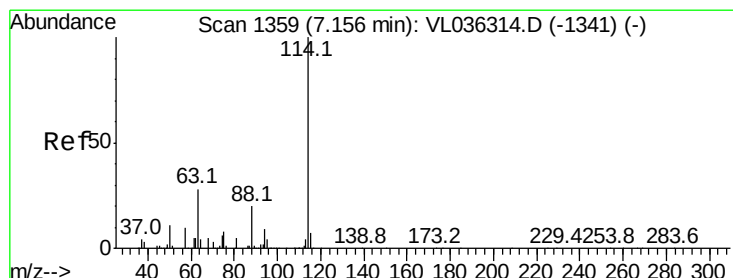
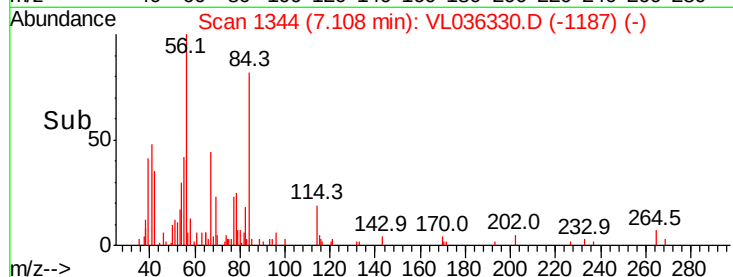
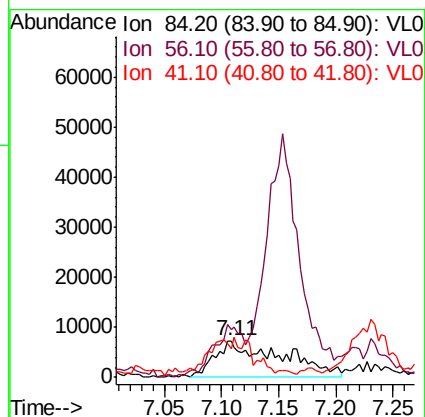
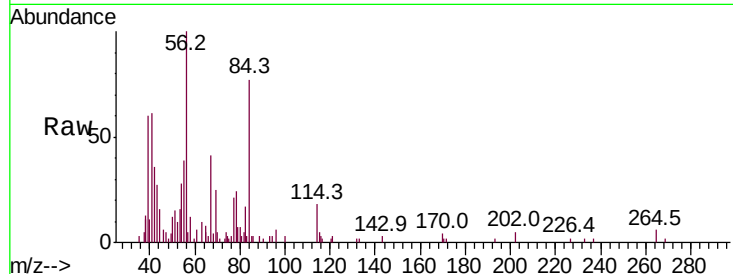
#30
Cyclohexane
Concen: 0.241 ppbv m
RT: 7.11 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	120.2	180.4#
41	73.7	79.7	119.5#

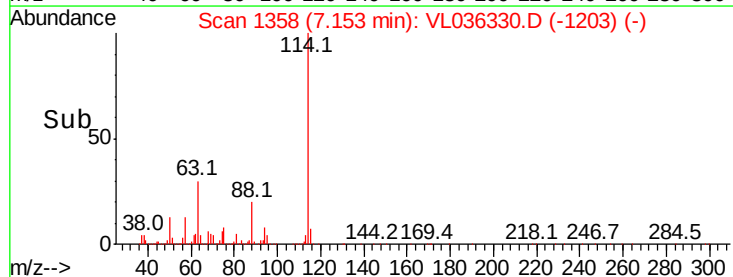
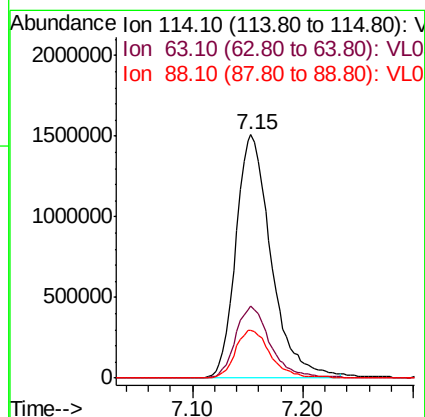
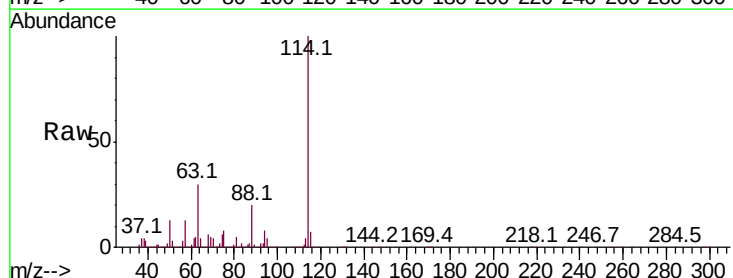
Manual Integrations
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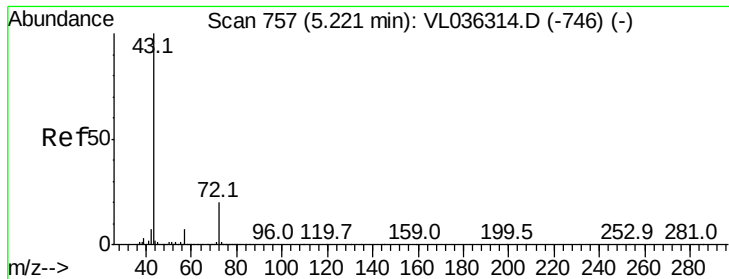
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	20.0	16.0	24.0





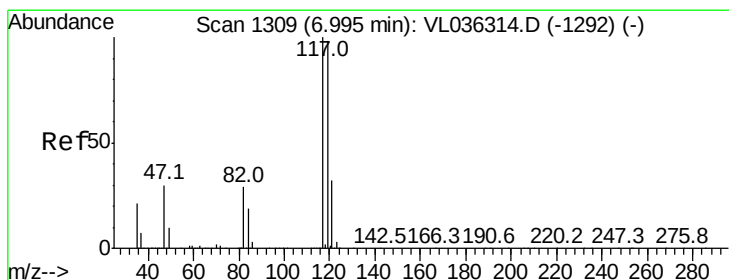
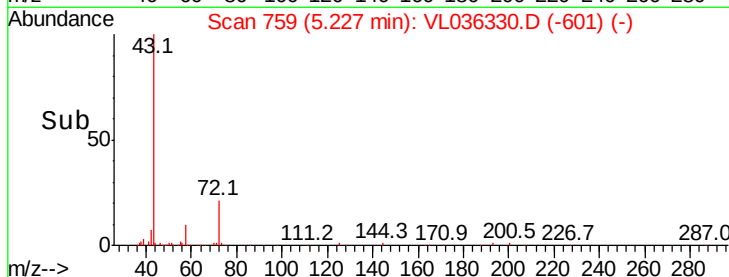
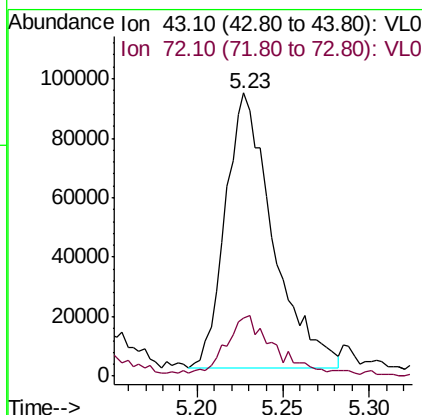
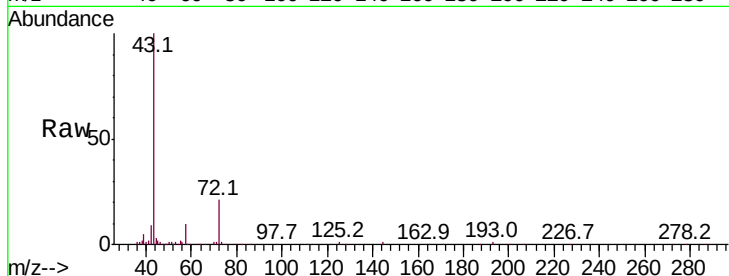
#34
2-Butanone
Concen: 0.800 ppbv
RT: 5.23 min Scan# 759
Delta R.T. 0.01 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion: 43 Resp: 177992
Ion Ratio Lower Upper
43 100
72 24.7 16.7 25.1

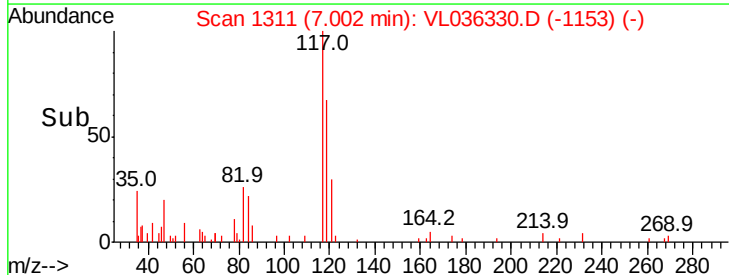
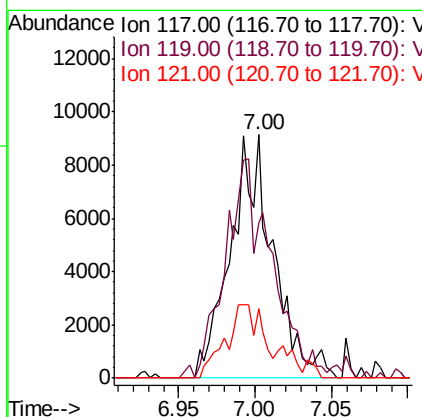
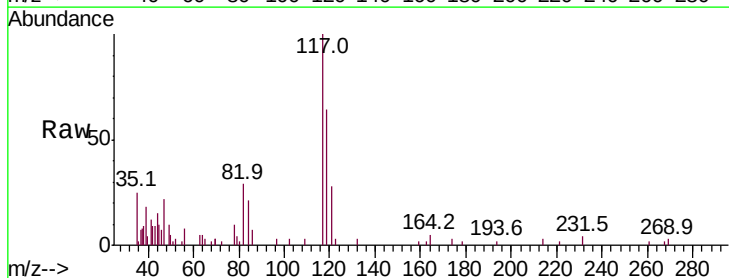
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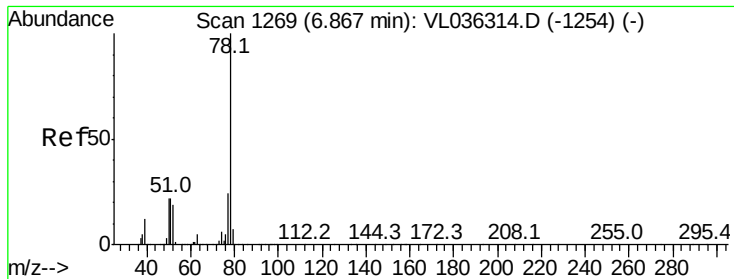
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#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. 0.01 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion: 117 Resp: 17727
Ion Ratio Lower Upper
117 100
119 63.5 78.1 117.1#
121 28.5 25.8 38.8





#36

Benzene

Concen: 1.736 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL036330.D

Acq: 10 Feb 2021 23:15

Instrument :

MSVOA_L

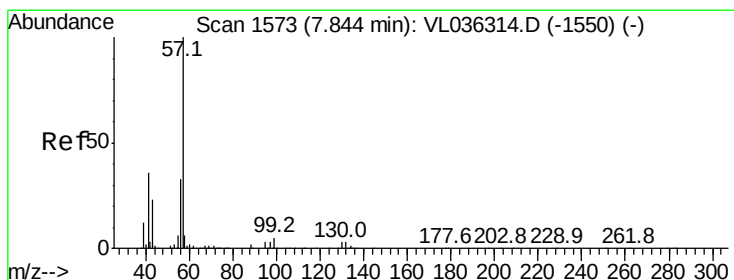
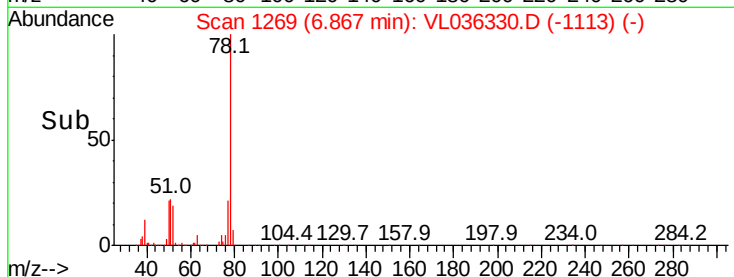
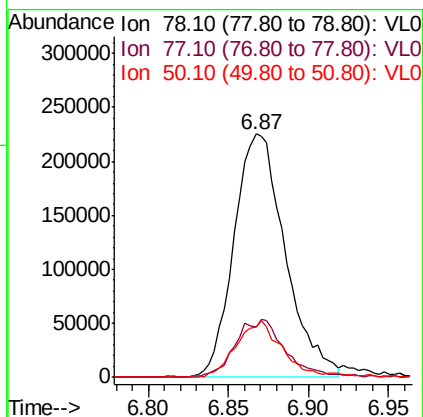
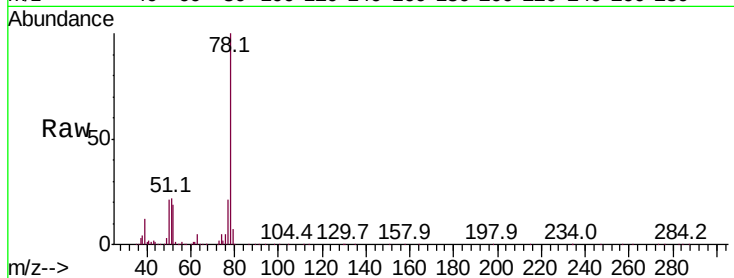
ClientSampleId :

SR-4B

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.9	28.3
50	20.4	17.3	25.9

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#44

2,2,4-Trimethylpentane

Concen: 0.136 ppbv m

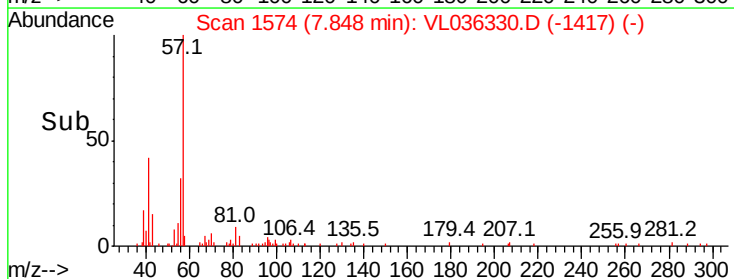
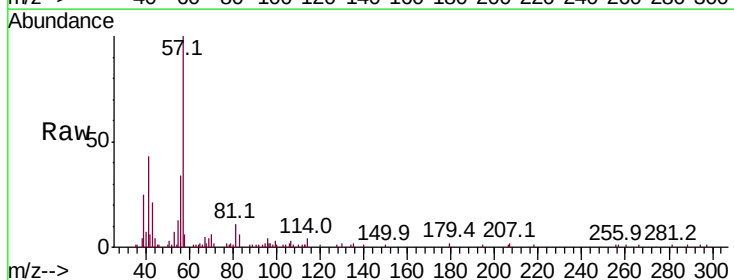
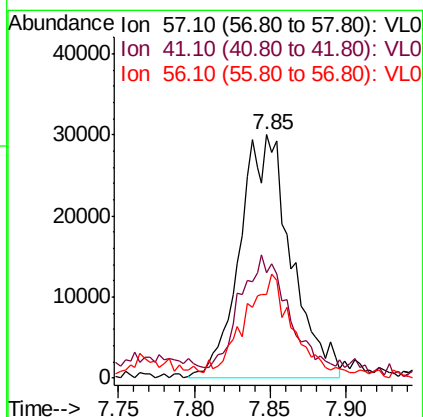
RT: 7.85 min Scan# 1574

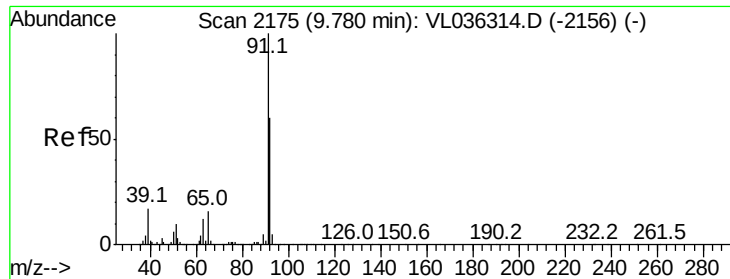
Delta R.T. 0.00 min

Lab File: VL036330.D

Acq: 10 Feb 2021 23:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	54.8	28.8	43.2#
56	42.9	25.8	38.6#





#53

Toluene

Concen: 1.641 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036330.D

Acq: 10 Feb 2021 23:15

Instrument :

MSVOA_L

ClientSampleId :

SR-4B

Tot Ion: 91 Resp: 505408

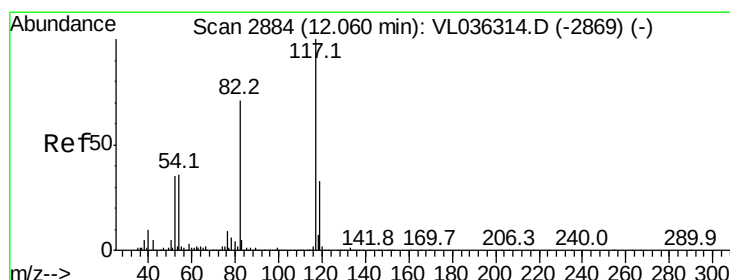
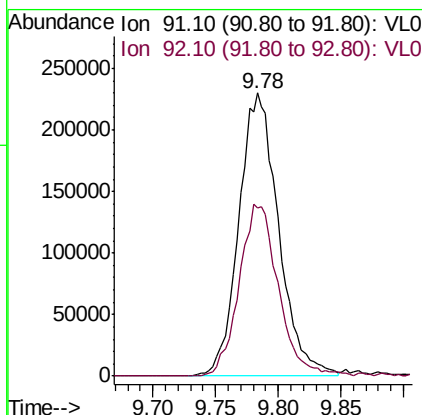
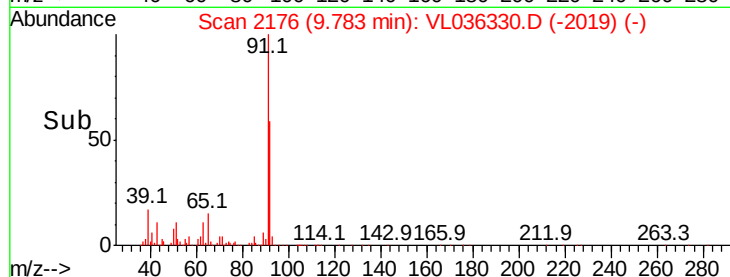
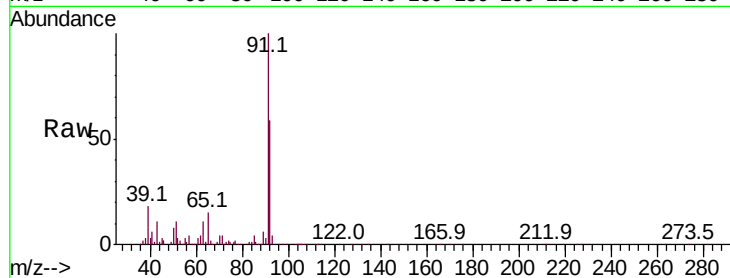
Ion Ratio Lower Upper

91 100

92 60.8 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.01 min

Lab File: VL036330.D

Acq: 10 Feb 2021 23:15

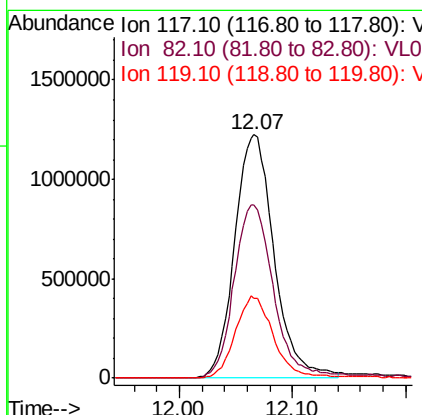
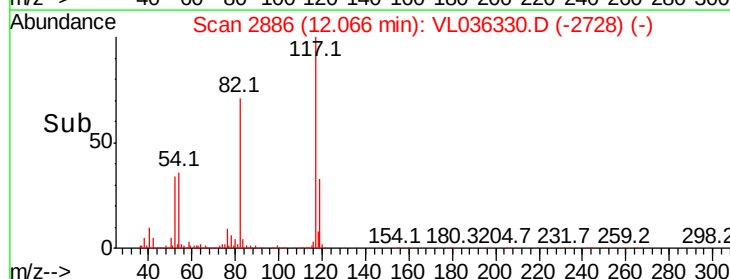
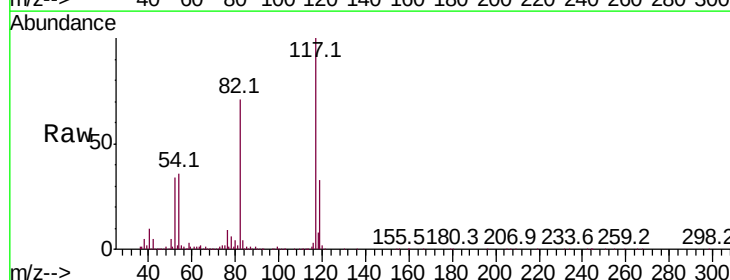
Tgt Ion: 117 Resp: 2970571

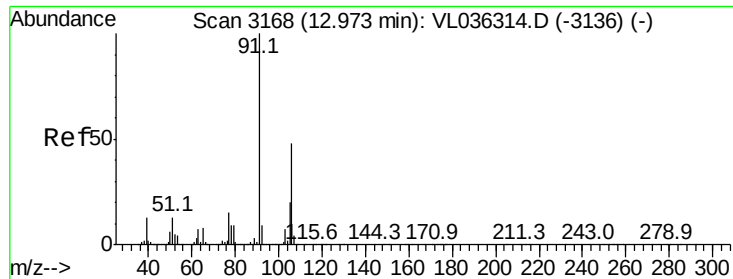
Ion Ratio Lower Upper

117 100

82 74.3 59.1 88.7

119 33.2 46.3 69.5#





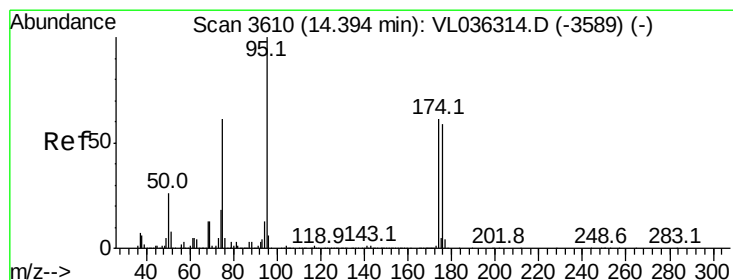
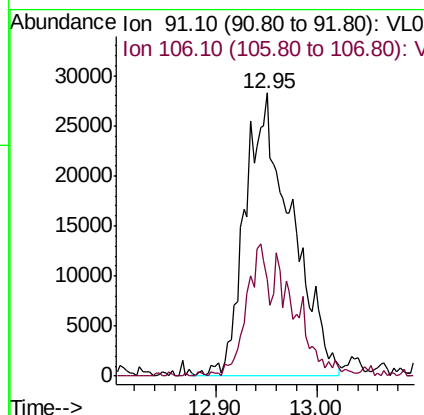
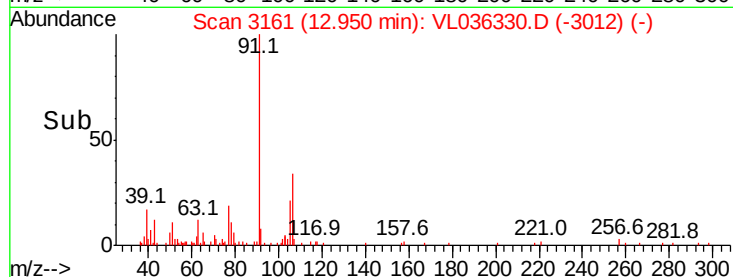
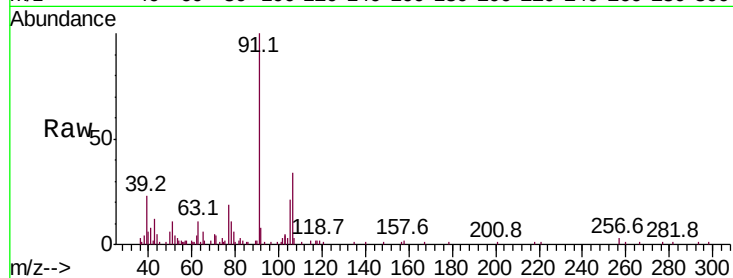
#59
m/p-Xylene
Concen: 0.251 ppbv m
RT: 12.95 min Scan# 3161
Delta R.T. -0.02 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Instrument :
MSVOA_L
ClientSampleId :
SR-4B

Tot Ion: 91 Resp: 89602
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

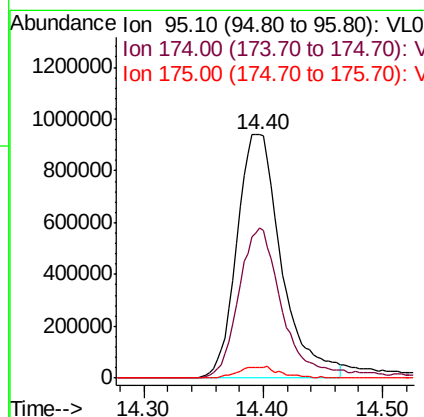
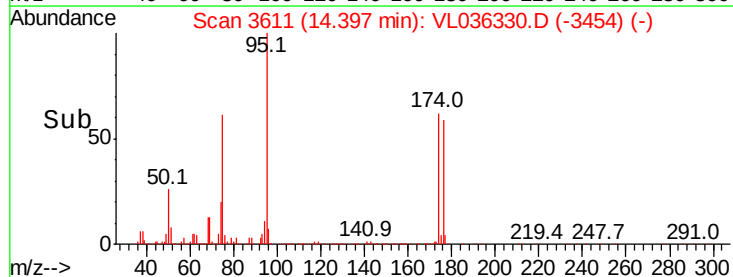
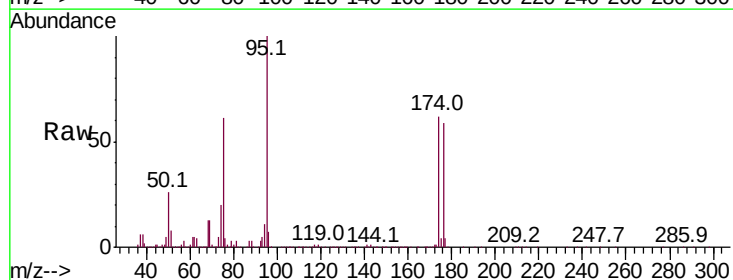
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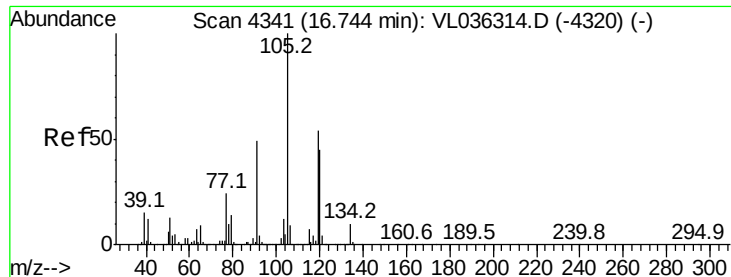
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.978 ppbv m
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL036330.D
Acq: 10 Feb 2021 23:15

Tgt Ion: 95 Resp: 2438651
Ion Ratio Lower Upper
95 100
174 62.6 49.8 74.6
175 4.3 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.114 ppbv m
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL036330.D
 Acq: 10 Feb 2021 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4B

Tot Ion:	105	Resp:	42954
Ion Ratio	Lower	Upper	
105	100		
120	24.9	35.8	53.6#
91	15.5	39.8	59.6#
77	16.7	19.1	28.7#

Manual Integrations
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