

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036683.D
 Acq On : 5 Apr 2021 21:55
 Operator : SY/AP
 Sample : M1945-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
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Quant Time: Apr 06 03:02:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1315745	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3216084	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2944065	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2361532	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	17732m	0.226	ppbv	
13) Ethanol	3.62	45	16613m	1.780	ppbv	
15) Acetone	3.85	43	537573	4.151	ppbv	91
20) Methylene Chloride	4.35	84	18785m	0.310	ppbv	
26) Hexane	5.69	57	50857m	0.356	ppbv	
34) 2-Butanone	5.27	43	48479m	0.309	ppbv	
53) Toluene	9.81	91	34945m	0.111	ppbv	
59) m/p-Xylene	12.99	91	74442m	0.199	ppbv	
60) o-Xylene	13.70	91	43695m	0.121	ppbv	
72) 4-Ethyltoluene	15.85	105	40125m	0.101	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	149030	0.377	ppbv #	68

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

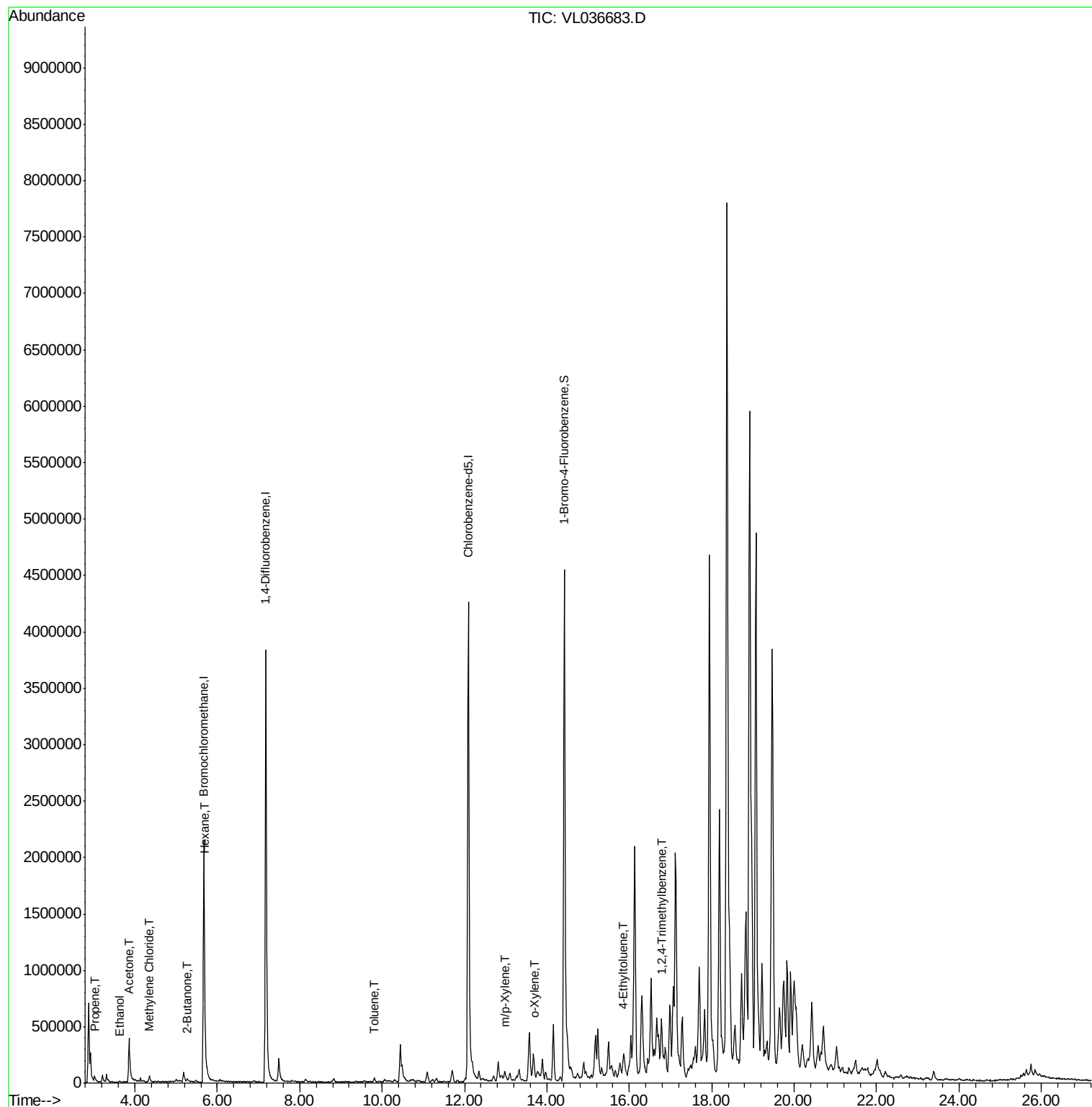
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\
Data File : VL036683.D
Acq On : 5 Apr 2021 21:55
Operator : SY/AP
Sample : M1945-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

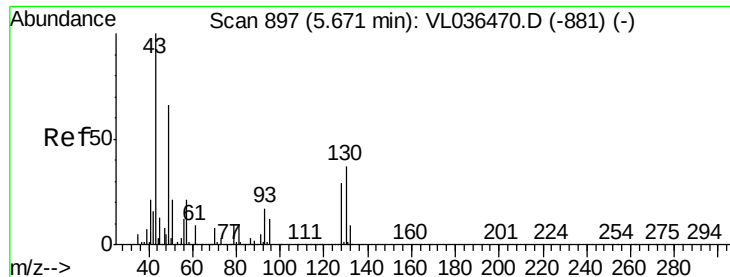
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Quant Time: Apr 06 03:02:19 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036683.D

Acq: 5 Apr 2021 21:55

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 49 Resp: 1315745

Ion Ratio Lower Upper

49 100

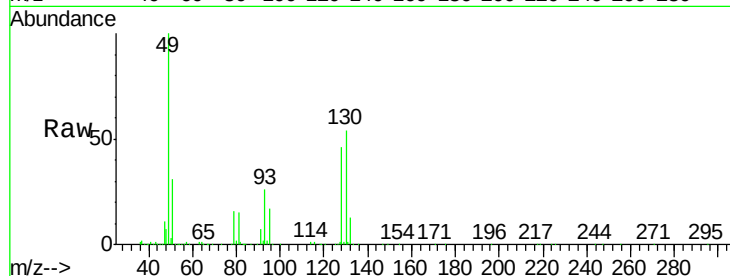
128 46.8 23.5 70.6

130 59.9 29.1 87.4

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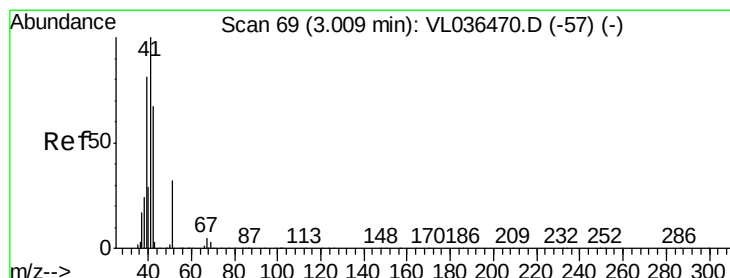
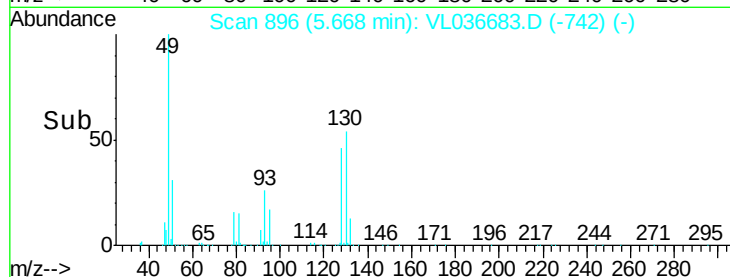
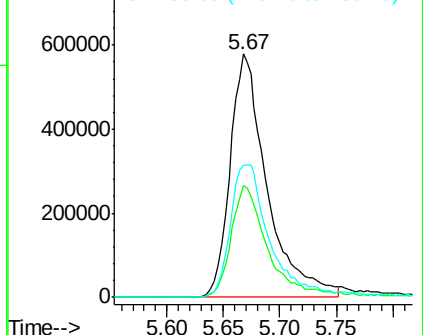
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.226 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036683.D

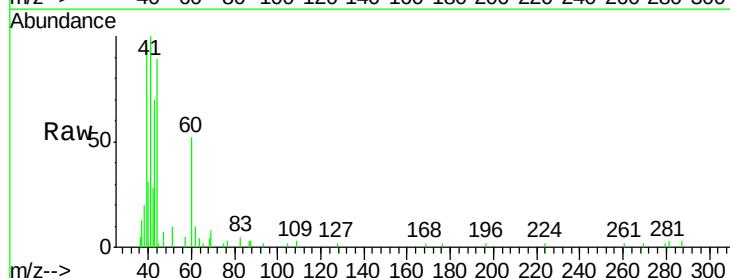
Acq: 5 Apr 2021 21:55

Tgt Ion: 41 Resp: 17732

Ion Ratio Lower Upper

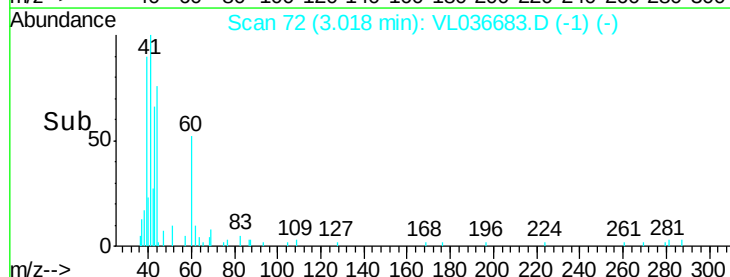
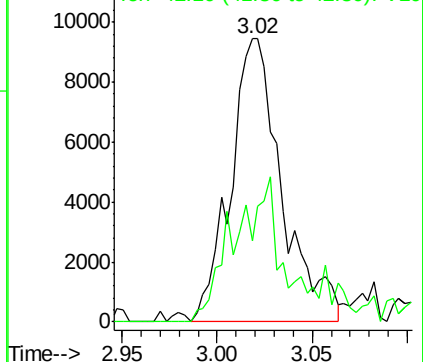
41 100

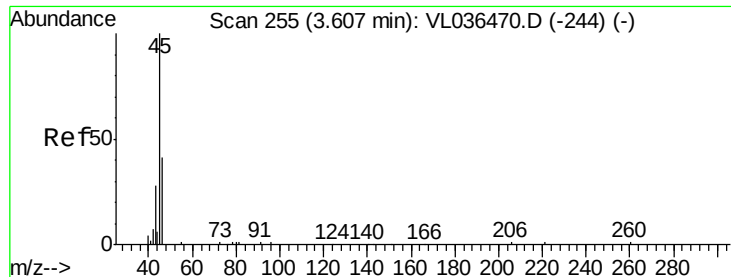
42 53.9 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





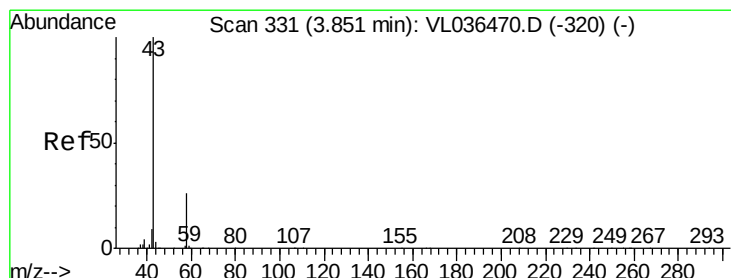
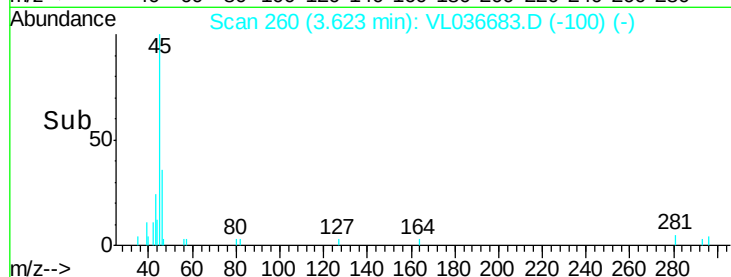
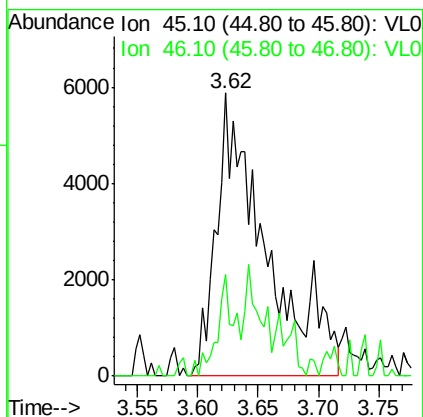
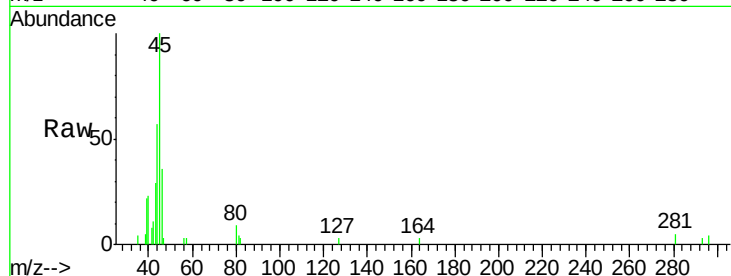
#13
Ethanol
Concen: 1.780 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	45	Resp	16613
Ion Ratio	100	Lower	Upper
46	0.0	16.6	66.2#

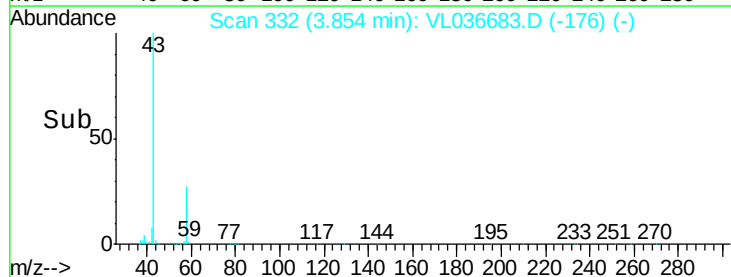
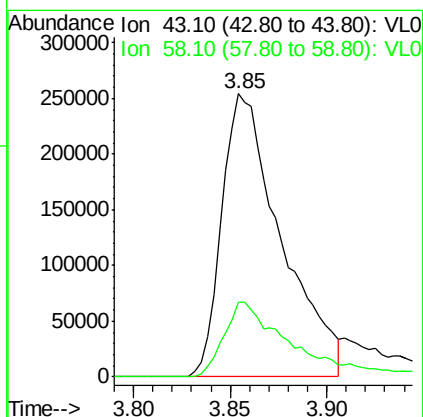
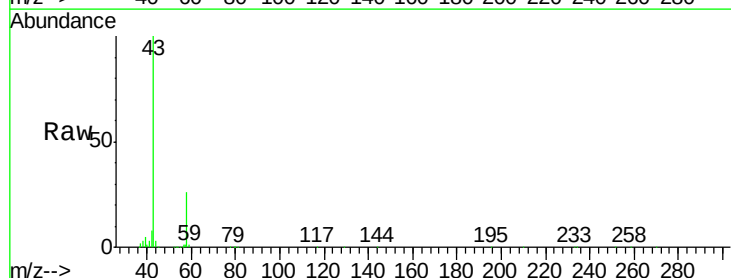
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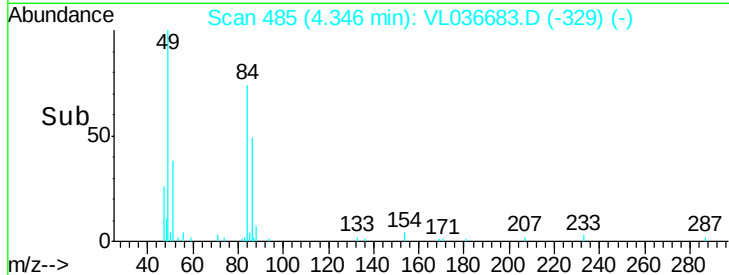
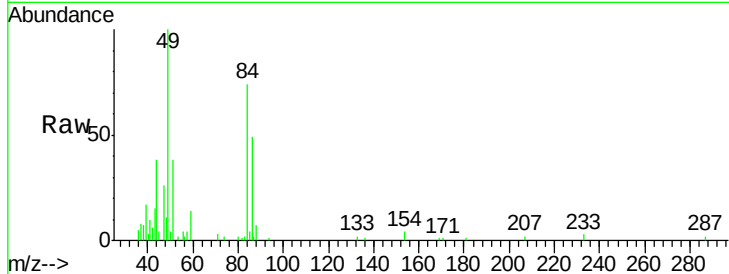
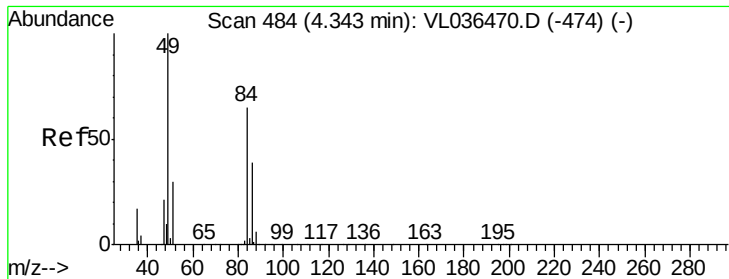
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#15
Acetone
Concen: 4.151 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Tgt Ion	43	Resp	537573
Ion Ratio	100	Lower	Upper
58	30.9	21.2	31.8





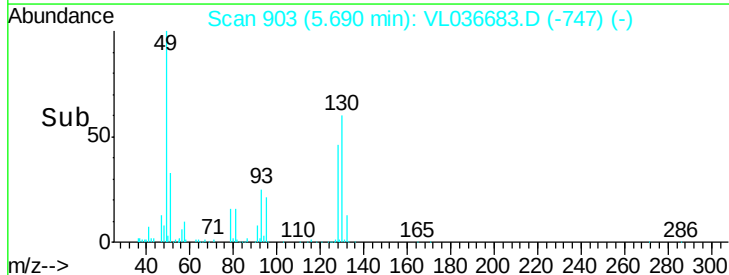
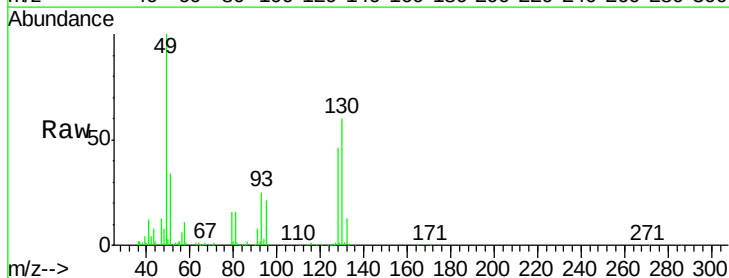
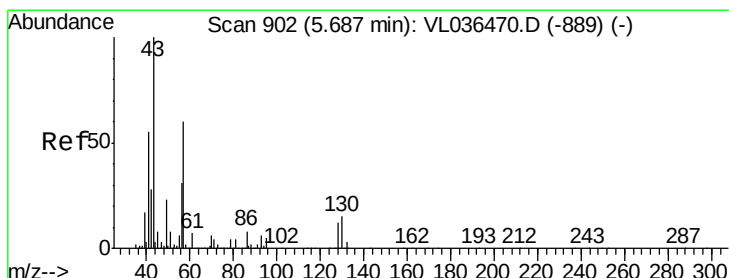
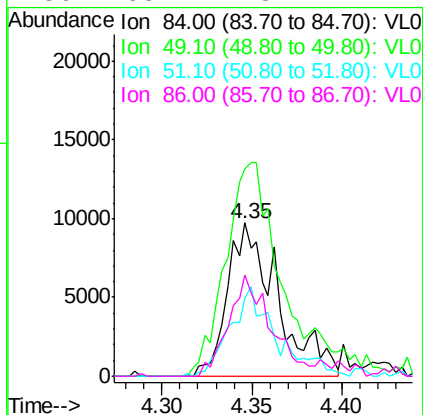
#20
Methylene Chloride
Concen: 0.310 ppbv m
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Tot Ion	84	Resp	18785
Ion	Ratio	Lower	Upper
84	100		
49	135.2	122.9	184.3
51	50.8	36.9	55.3
86	65.7	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

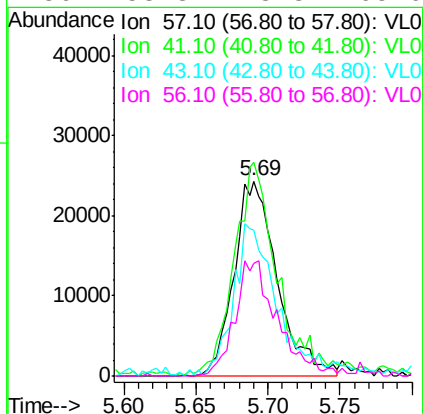
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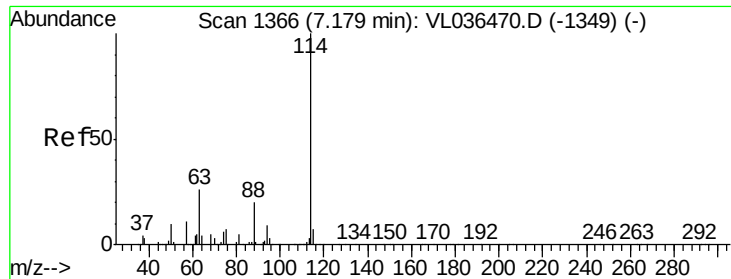
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#26
Hexane
Concen: 0.356 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Tgt Ion	57	Resp	50857
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	77.4	173.8	260.6#
56	58.3	43.8	65.6





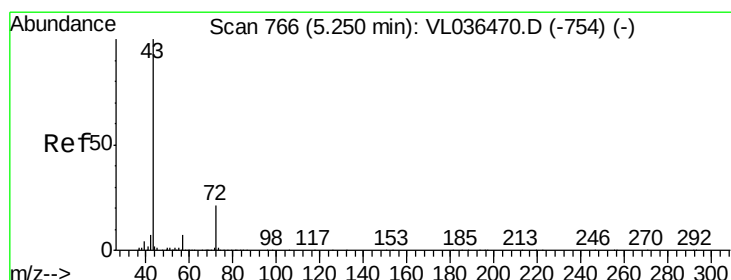
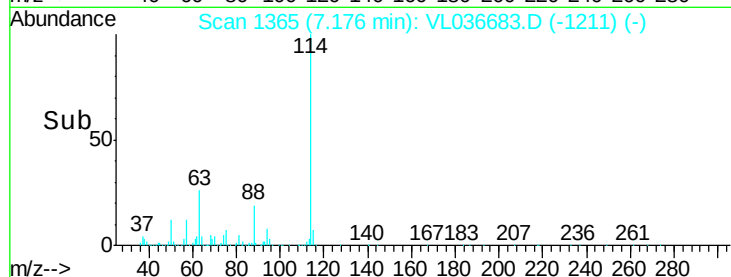
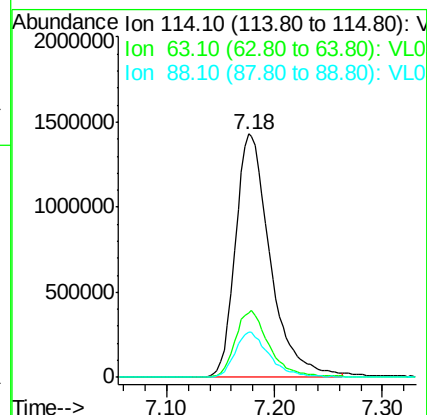
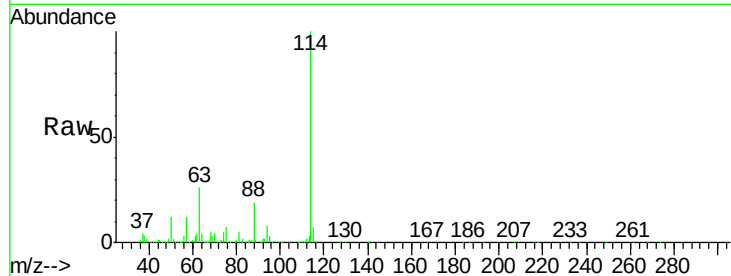
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	18.6	15.4	23.0

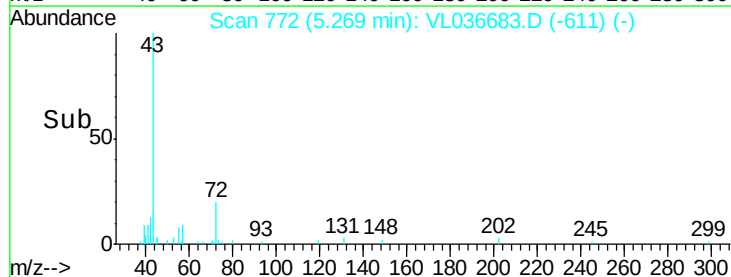
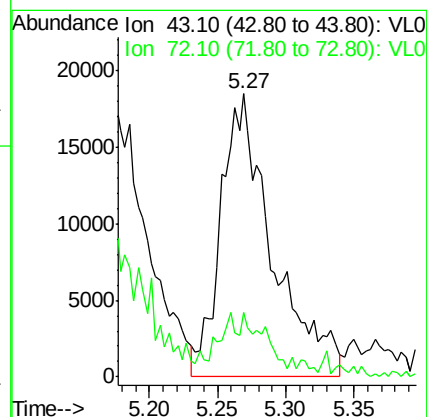
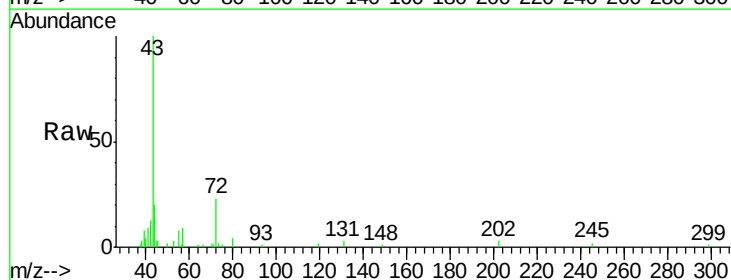
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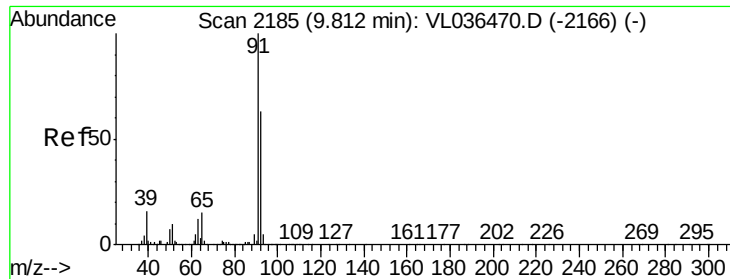
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#34
 2-Butanone
 Concen: 0.309 ppbv m
 RT: 5.27 min Scan# 772
 Delta R.T. 0.02 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#





#53

Toluene

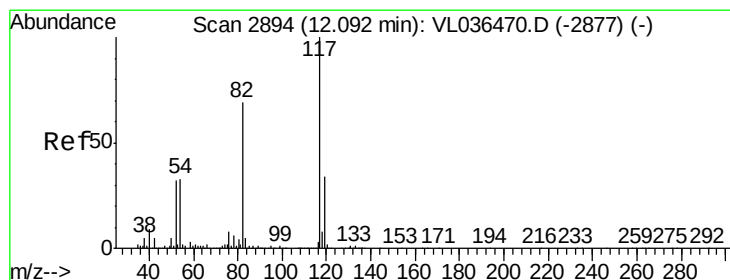
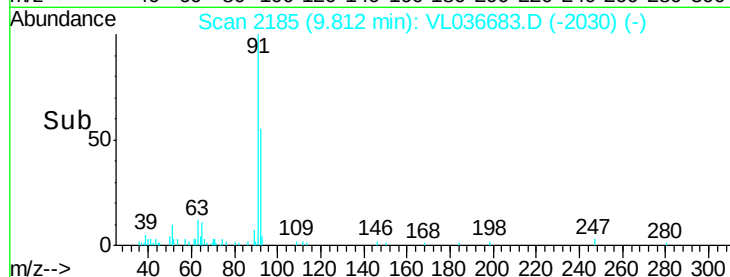
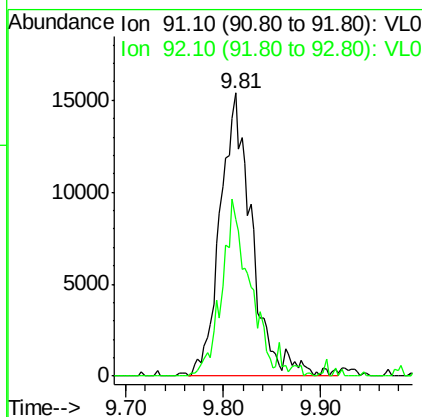
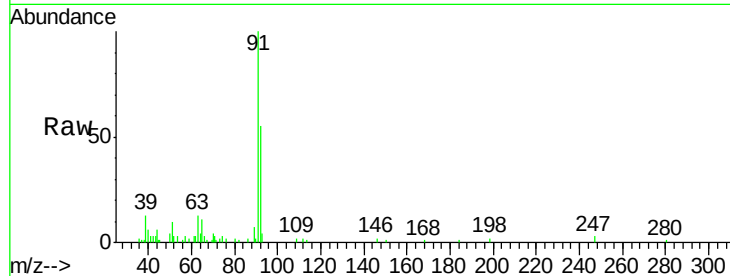
Concen: 0.111 ppbv m
 RT: 9.81 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	91	Resp	34945
Ion	Ratio	Lower	Upper
91	100		
92	57.3	48.8	73.2

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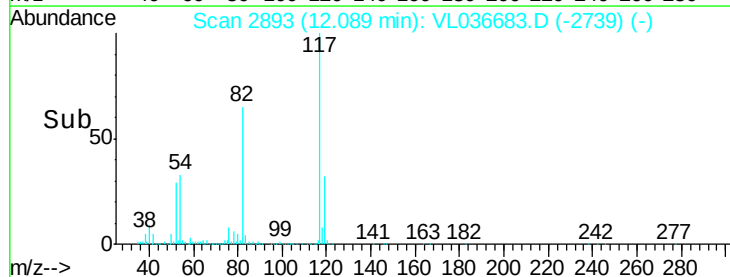
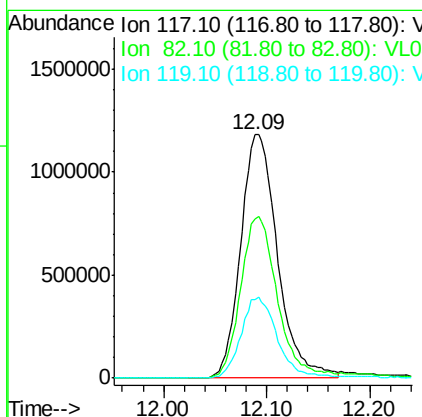
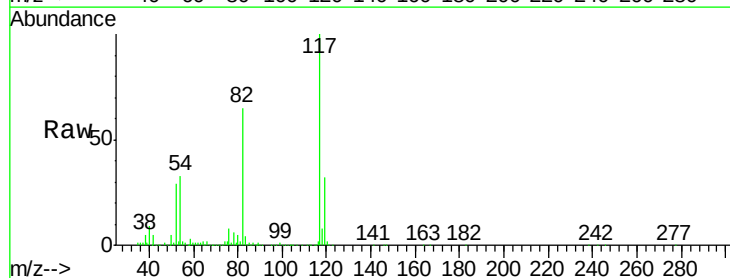


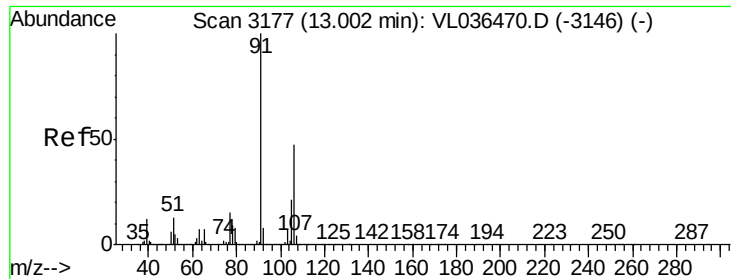
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Tgt Ion	117	Resp	2944065
Ion	Ratio	Lower	Upper
117	100		
82	68.9	57.4	86.0
119	33.3	47.4	71.0#





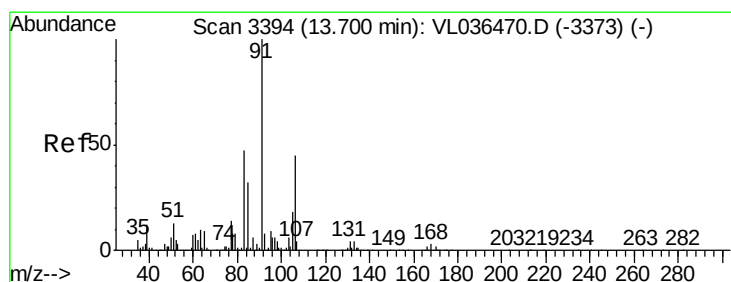
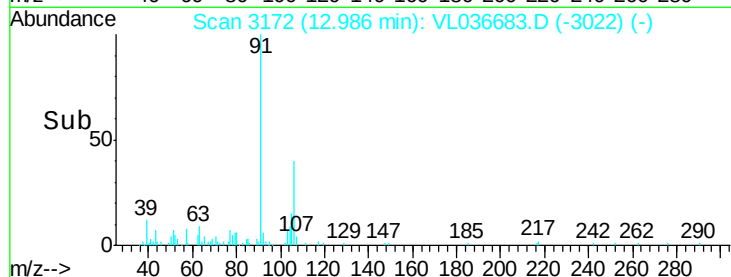
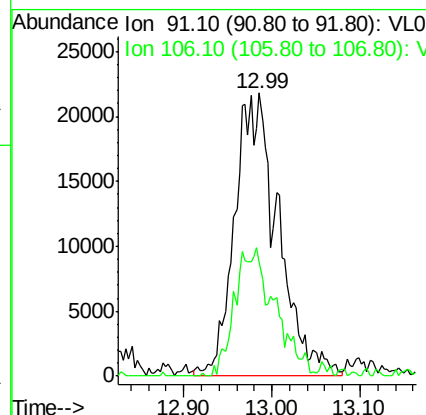
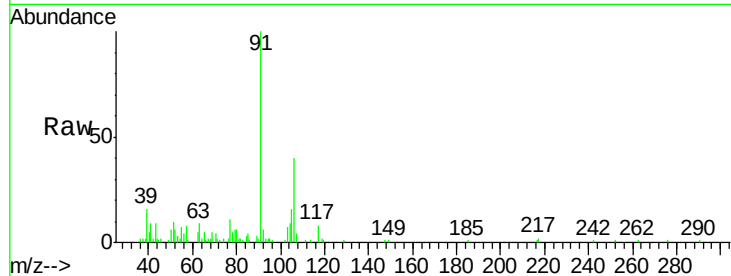
#59
m/p-Xylene
Concen: 0.199 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion: 91 Resp: 74442
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

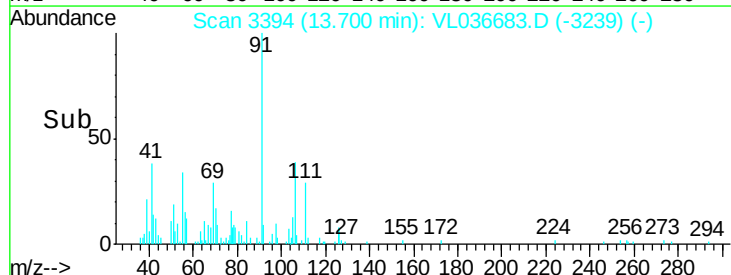
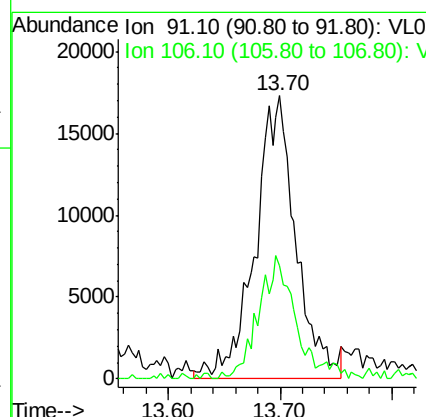
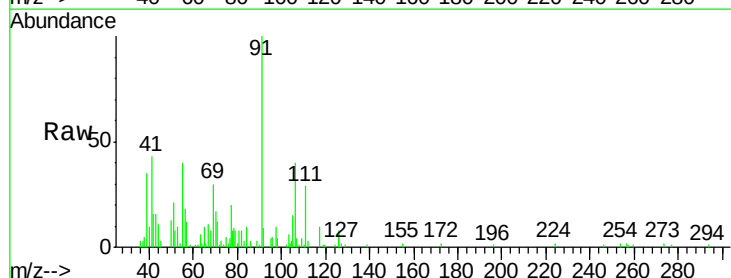
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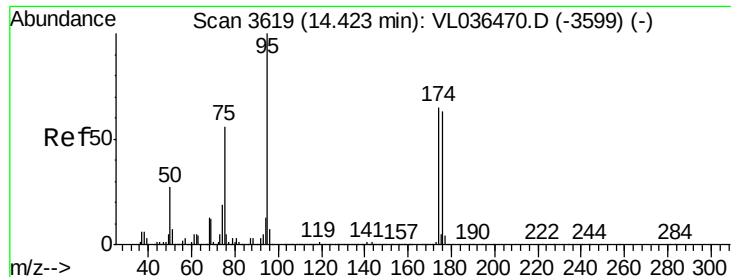
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#60
o-Xylene
Concen: 0.121 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036683.D
Acq: 5 Apr 2021 21:55

Tgt Ion: 91 Resp: 43695
Ion Ratio Lower Upper
91 100
106 40.5 22.3 66.9





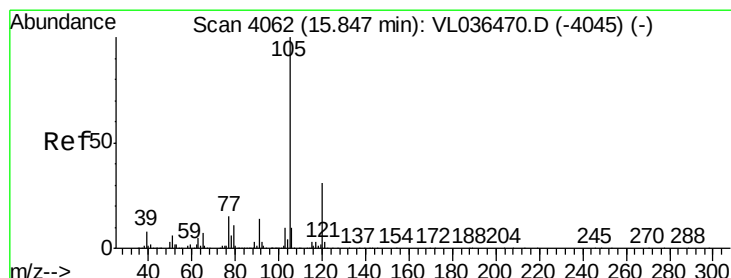
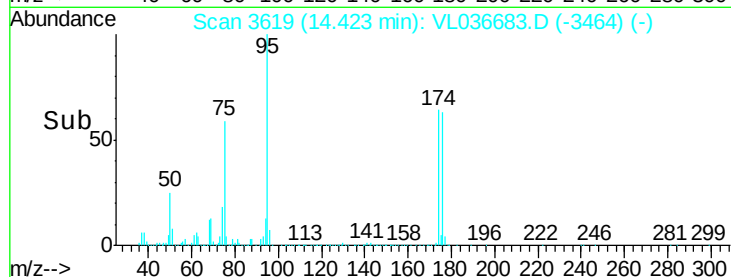
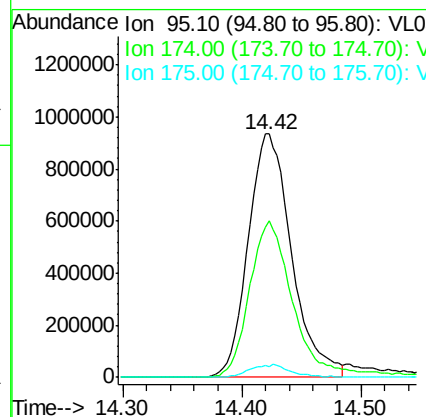
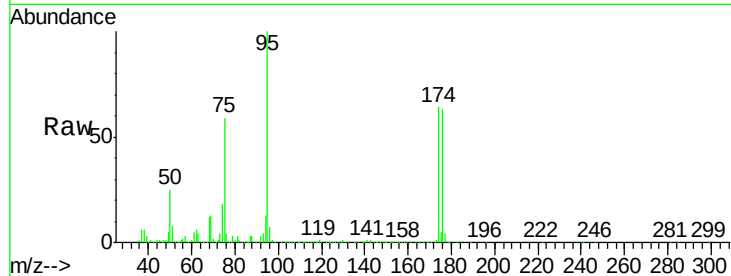
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.064 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DL

Tot Ion: 95 Resp: 2361532
 Ion Ratio Lower Upper
 95 100
 174 66.7 51.0 76.6
 175 5.1 3.9 5.9

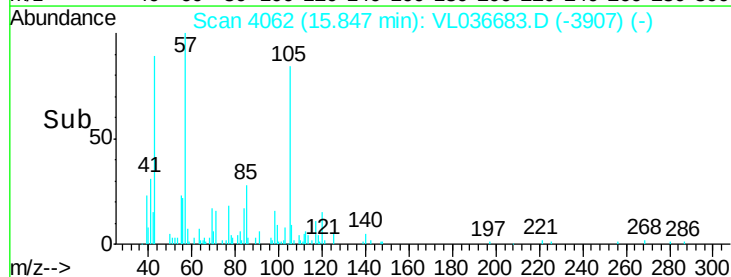
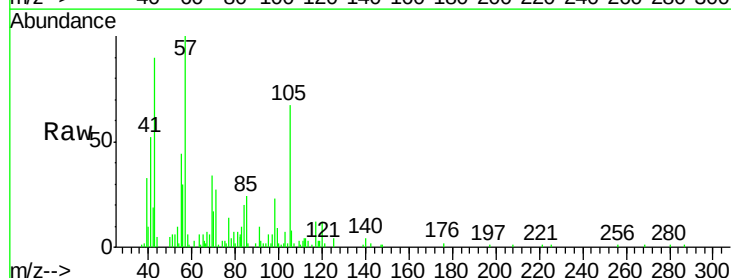
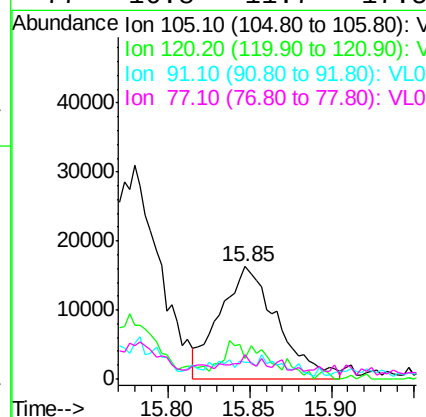
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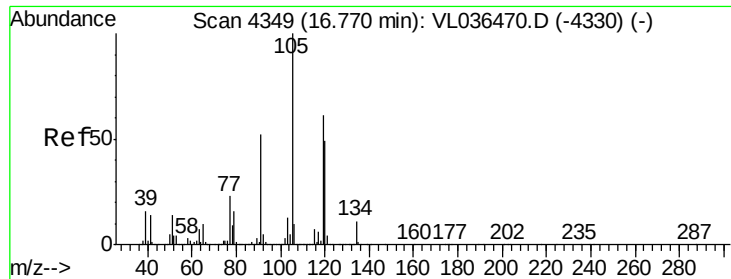
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#72
 4-Ethyltoluene
 Concen: 0.101 ppbv m
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Tgt Ion: 105 Resp: 40125
 Ion Ratio Lower Upper
 105 100
 120 27.8 24.0 36.0
 91 0.0 11.0 16.4#
 77 16.8 11.7 17.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.377 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. -0.00 min
 Lab File: VL036683.D
 Acq: 5 Apr 2021 21:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	40.1	39.2	58.8
91	12.9	42.6	64.0#
77	17.2	18.6	28.0#

Manual Integrations
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