

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035779.D
 Acq On : 13 Oct 2020 2:07
 Operator : SY/AP
 Sample : L4347-04DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 4DL2

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:12:09 PM

Quant Time: Oct 13 23:11:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1092404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4036053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3991894	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2988298	9.99	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	365370	8.563	ppbv	94
13) Ethanol	3.60	45	128110	12.174	ppbv	100
15) Acetone	3.84	43	1713805	14.580	ppbv	96
27) Carbon Disulfide	4.55	76	110079	0.637	ppbv	97
34) 2-Butanone	5.25	43	191866	1.437	ppbv	98
36) Benzene	6.90	78	101766	0.387	ppbv	99
51) 2-Hexanone	10.16	43	58716m	0.374	ppbv	
53) Toluene	9.82	91	172601	0.557	ppbv	95

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

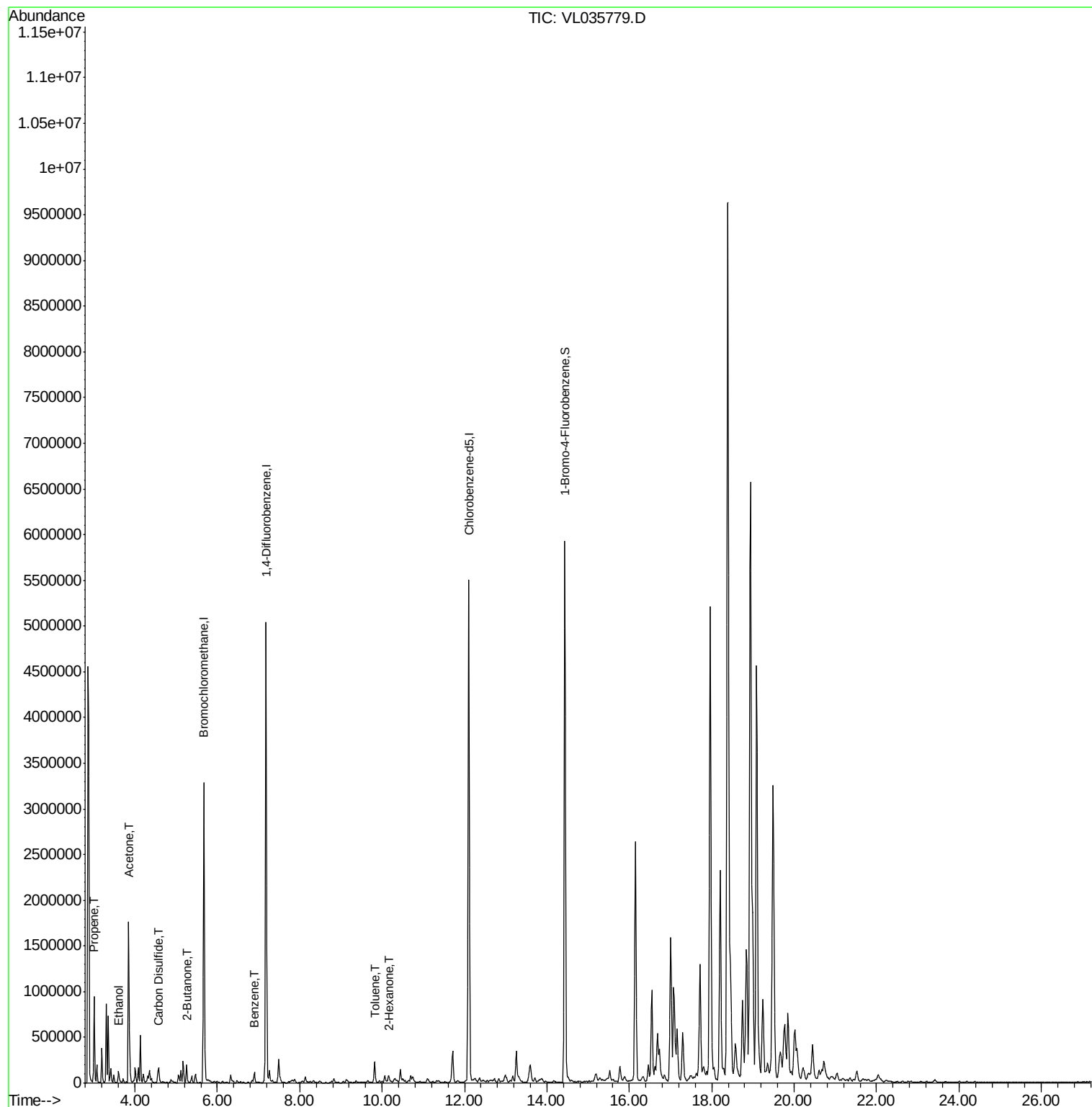
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
Data File : VL035779.D
Acq On : 13 Oct 2020 2:07
Operator : SY/AP
Sample : L4347-04DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

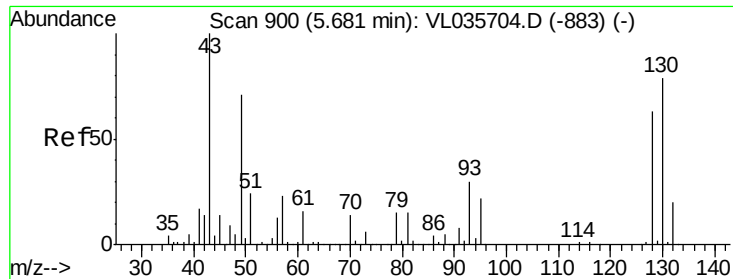
Instrument :
MSVOA_L
ClientSampleId :
4DL2

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:12:09 PM

Quant Time: Oct 13 23:11:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

Instrument :

MSVOA_L

ClientSampled :

4DL2

Tot Ion: 49 Resp: 1092404

Ion Ratio Lower Upper

49 100

128 81.0 43.1 129.4

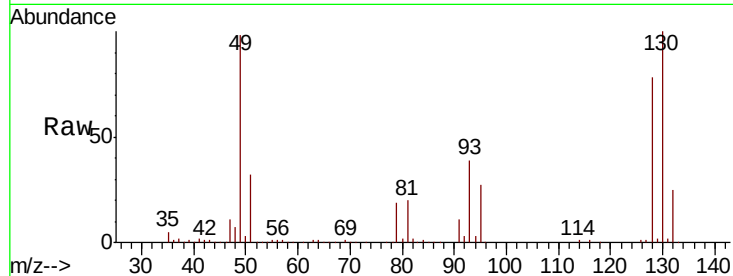
130 103.6 54.9 164.7

Manual Integrations

APPROVED

MMDadoda

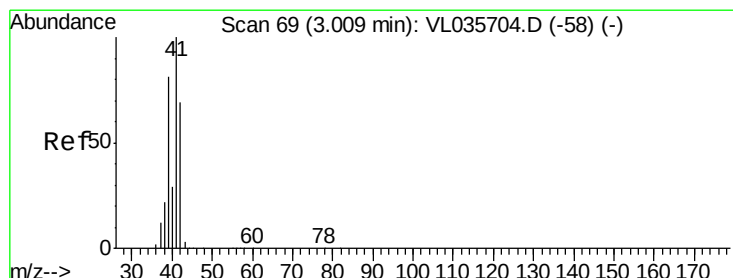
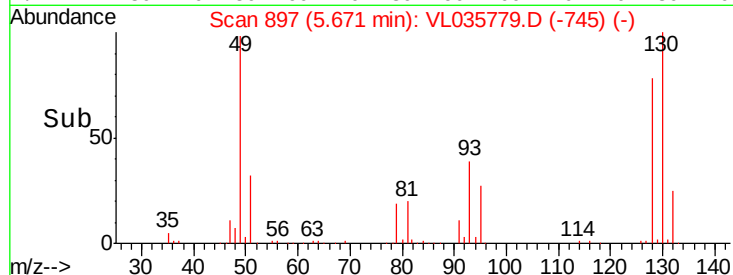
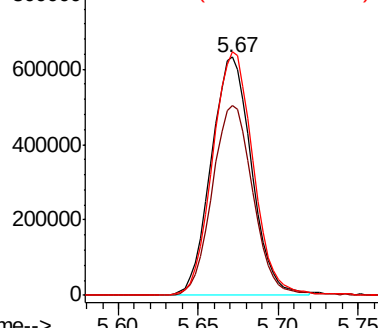
10/14/2020 2:12:09 PM



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: 8.563 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035779.D

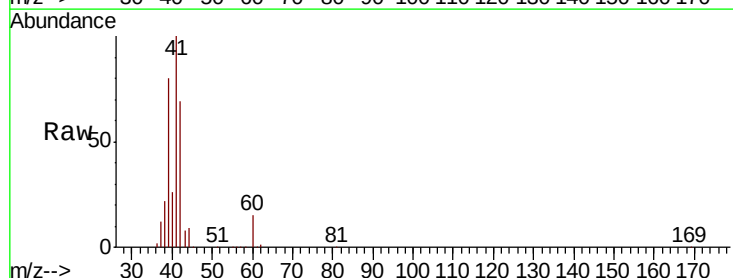
Acq: 13 Oct 2020 2:07

Tgt Ion: 41 Resp: 365370

Ion Ratio Lower Upper

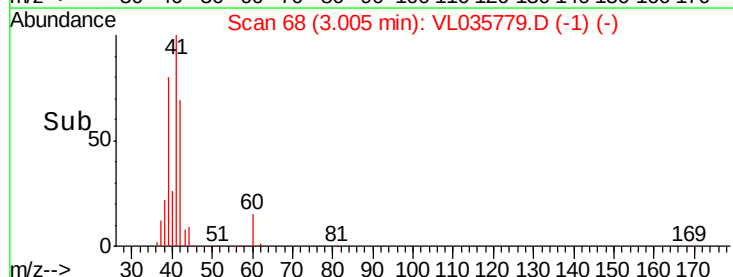
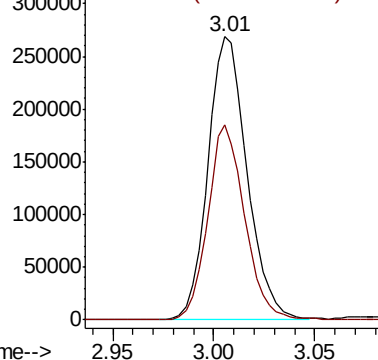
41 100

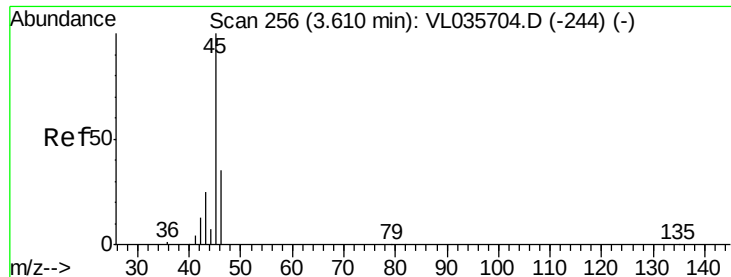
42 65.1 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 12.174 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

Instrument :

MSVOA_L

ClientSampled :

4DL2

Tot Ion: 45 Resp: 128110

Ion Ratio Lower Upper

45 100

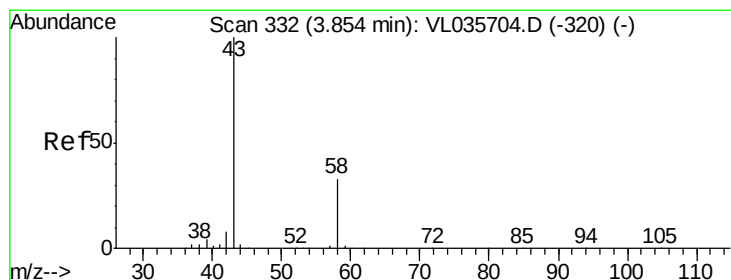
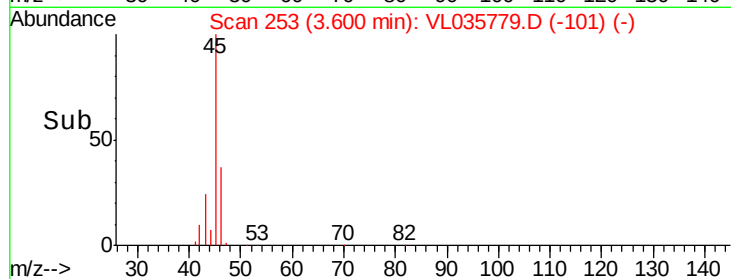
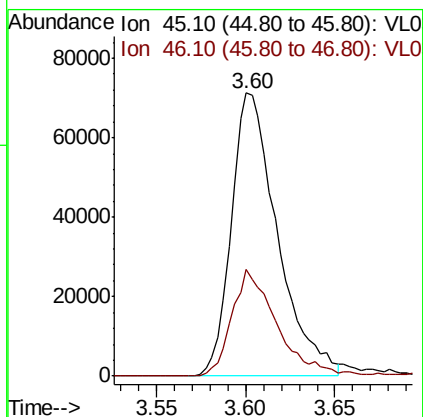
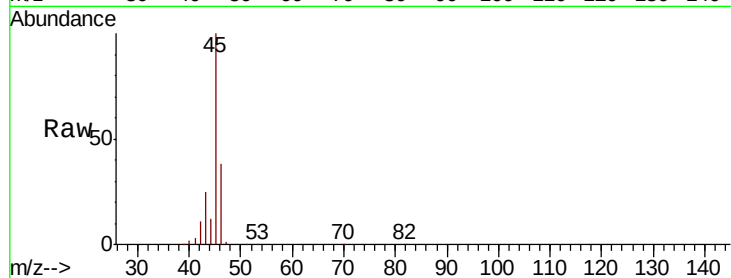
46 37.0 14.7 58.7

Manual Integrations

APPROVED

MMDadoda

10/14/2020 2:12:09 PM



#15

Acetone

Concen: 14.580 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL035779.D

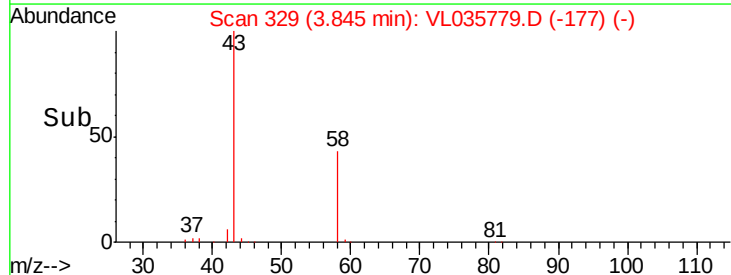
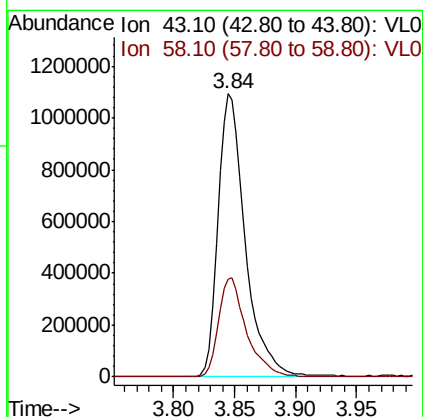
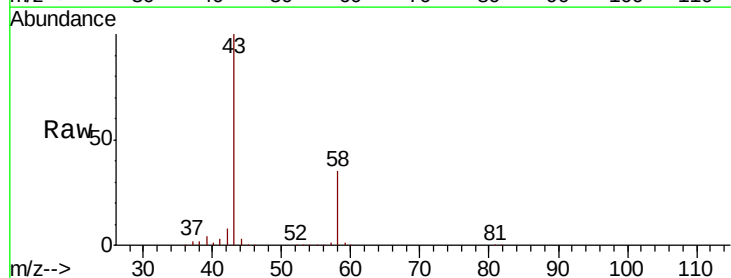
Acq: 13 Oct 2020 2:07

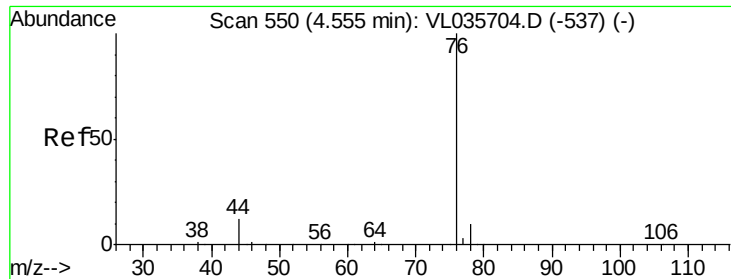
Tgt Ion: 43 Resp: 1713805

Ion Ratio Lower Upper

43 100

58 36.3 27.3 40.9





#27

Carbon Disulfide

Concen: 0.637 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

Instrument :

MSVOA_L

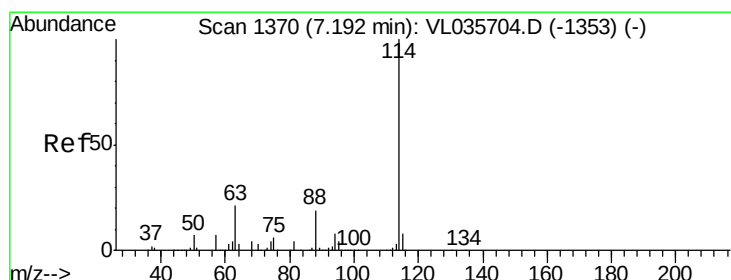
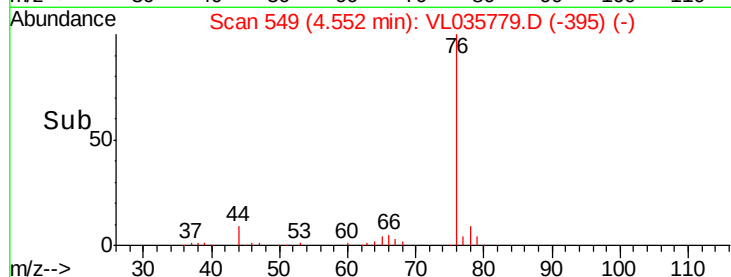
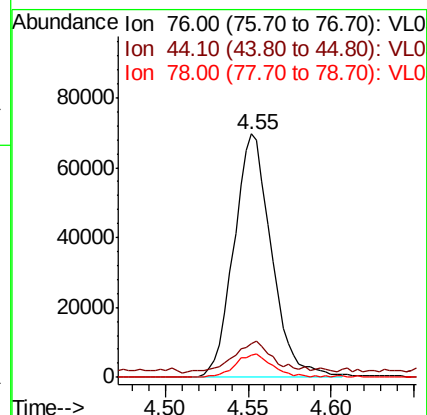
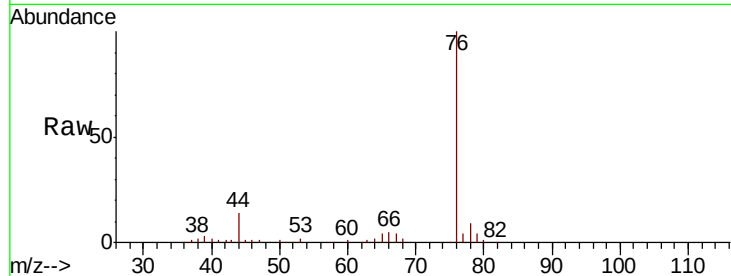
ClientSampleId :

4DL2

Tot Ion:	76	Resp:	110079
Ion	Ratio	Lower	Upper
76	100		
44	13.9	9.7	14.5
78	9.4	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:12:09 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

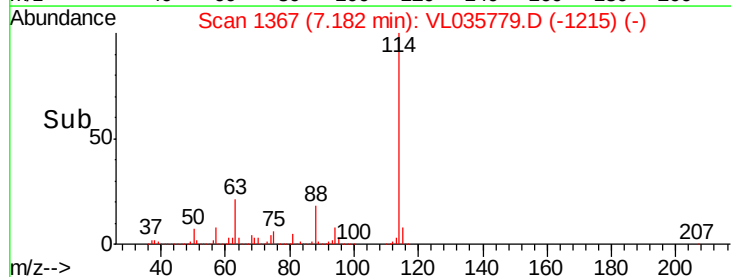
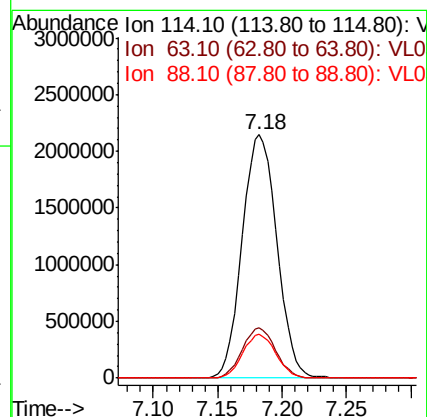
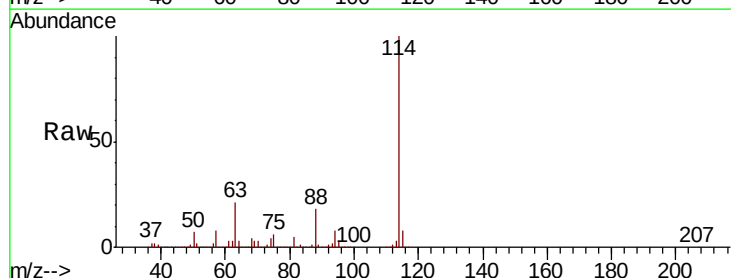
RT: 7.18 min Scan# 1367

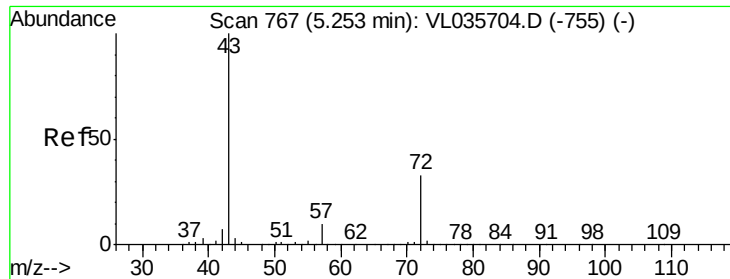
Delta R.T. -0.01 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

Tgt Ion:	114	Resp:	4036053
Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.3	14.1	21.1





#34

2-Butanone

Concen: 1.437 ppbv

RT: 5.25 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

Instrument :

MSVOA_L

ClientSampled :

4DL2

Tot Ion: 43 Resp: 191866

Ion Ratio Lower Upper

43 100

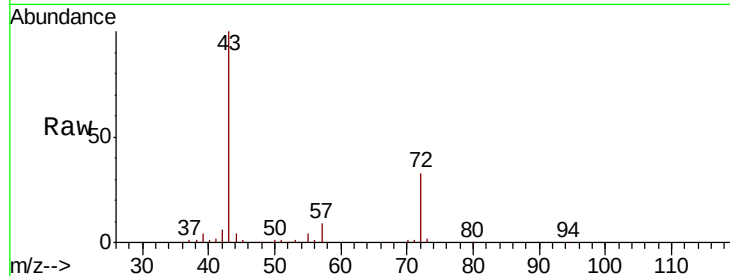
72 31.6 26.1 39.1

Manual Integrations

APPROVED

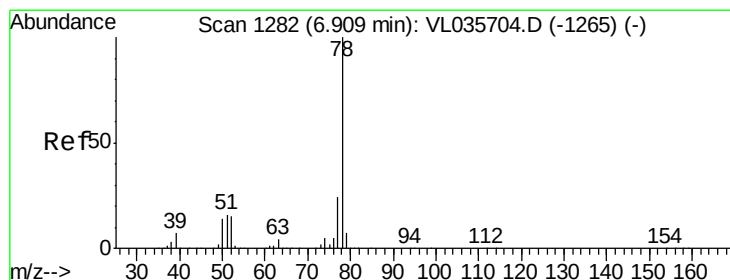
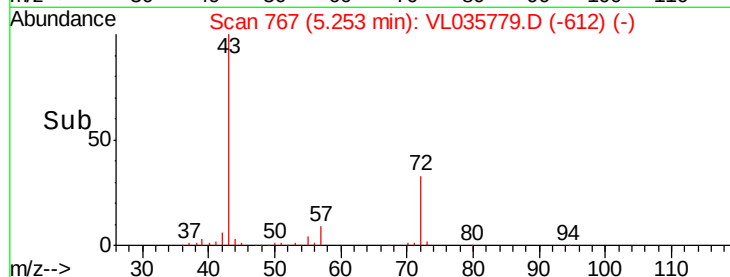
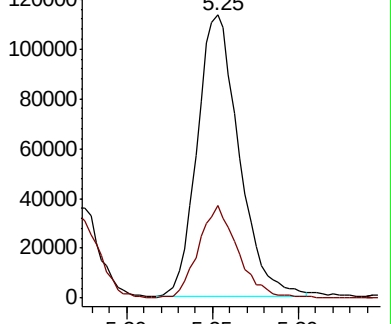
MMDadoda

10/14/2020 2:12:09 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#36

Benzene

Concen: 0.387 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VL035779.D

Acq: 13 Oct 2020 2:07

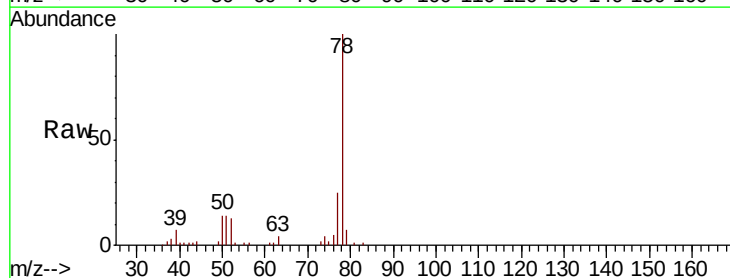
Tgt Ion: 78 Resp: 101766

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

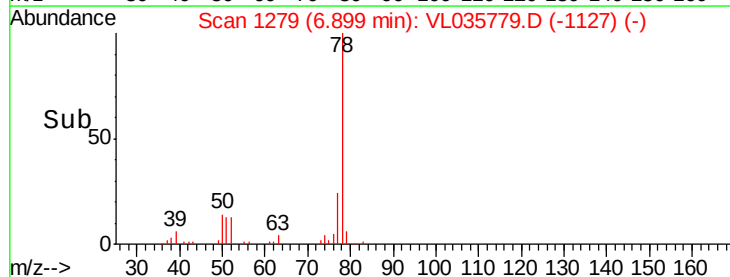
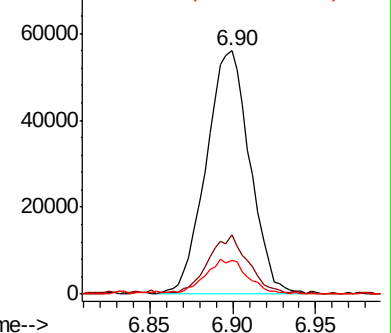
50 13.9 11.6 17.4

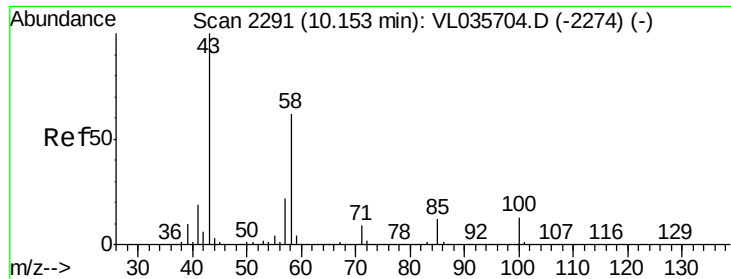


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





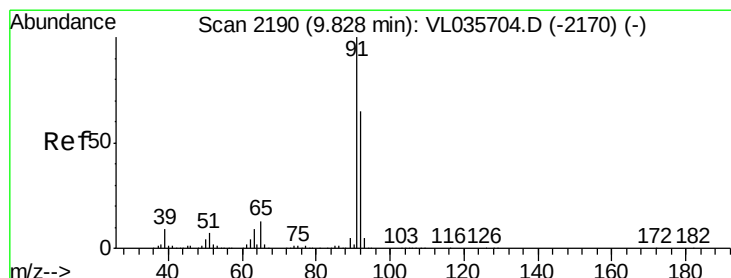
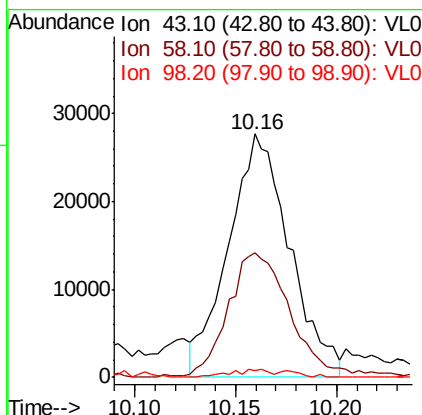
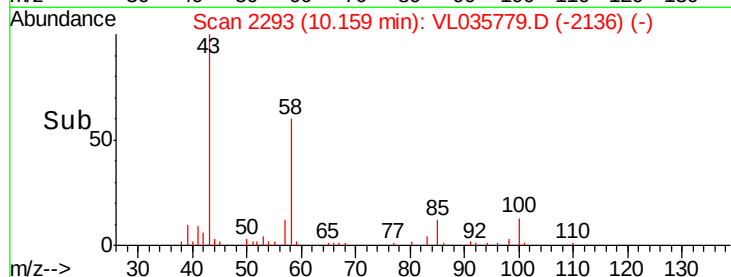
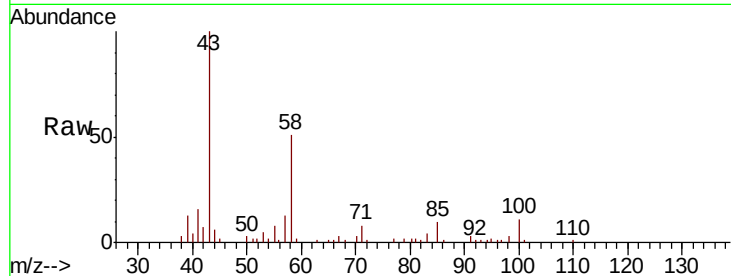
#51
2-Hexanone
Concen: 0.374 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampled :
4DL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	48.7	73.1#
98	0.0	0.7	1.1#

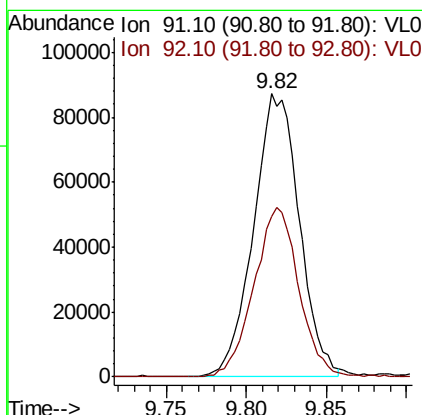
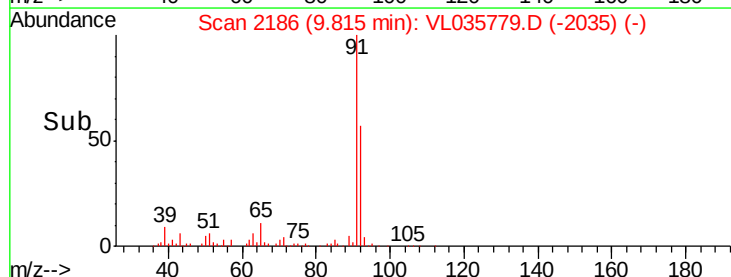
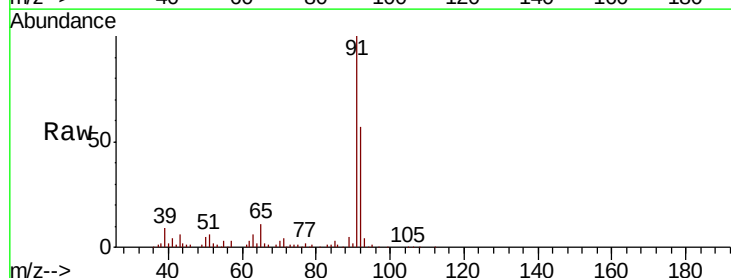
Manual Integrations
APPROVED

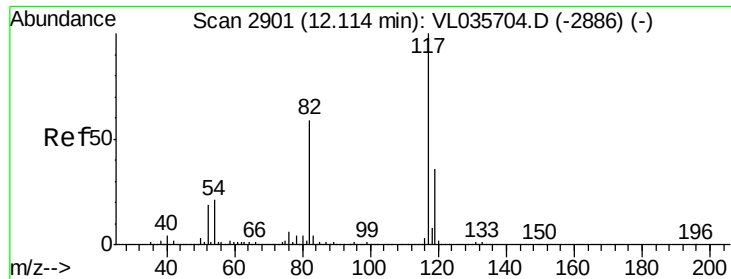
MMDadoda
10/14/2020 2:12:09 PM



#53
Toluene
Concen: 0.557 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	50.0	75.0





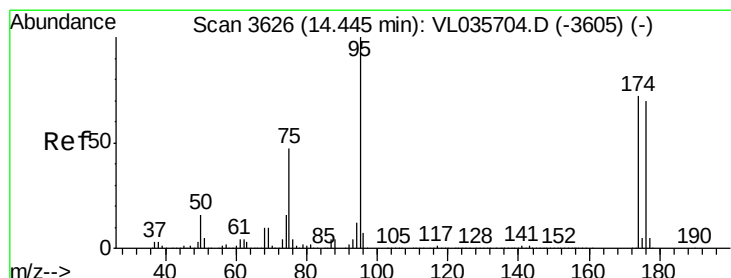
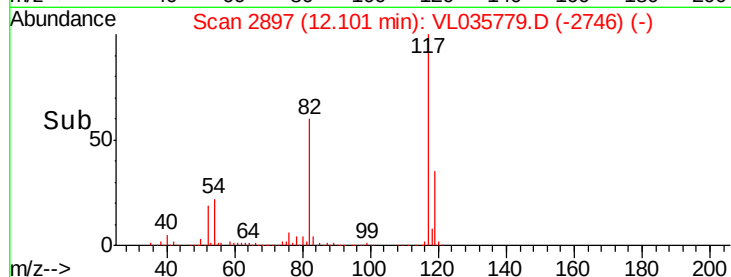
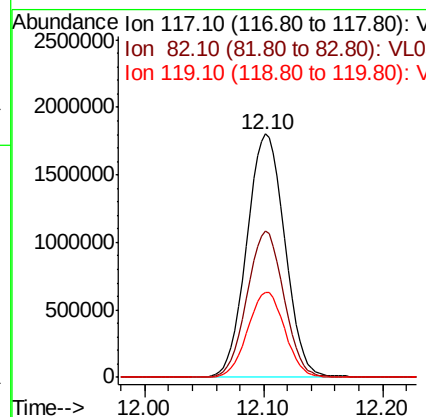
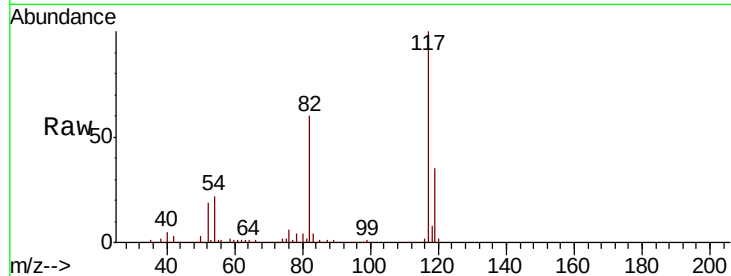
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampled :
4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.1	69.1
119	34.4	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:12:09 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.990 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	59.6	89.4
175	5.3	4.2	6.4

