

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034801.D
 Acq On : 5 Mar 2020 18:28
 Operator : SY/AP
 Sample : L1698-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6-4DL

Manual Integrations
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MMDadoda
 3/9/2020 9:18:59 AM

Quant Time: Mar 06 12:14:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1120602	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2338957	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2307351	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1897491	9.86	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.13	43	25254m	0.198	ppbv	
11) Trichlorofluoromethane	3.92	101	16346m	0.100	ppbv	
13) Ethanol	3.57	45	98555	5.724	ppbv	97
15) Acetone	3.81	43	3055038	22.766	ppbv	97
19) Isopropyl Alcohol	3.95	45	149861	1.864	ppbv #	93
38) Trichloroethene	7.84	130	7456m	0.096	ppbv	
52) Tetrachloroethene	11.24	164	106828m	1.447	ppbv	
53) Toluene	9.83	91	197081m	0.932	ppbv	

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

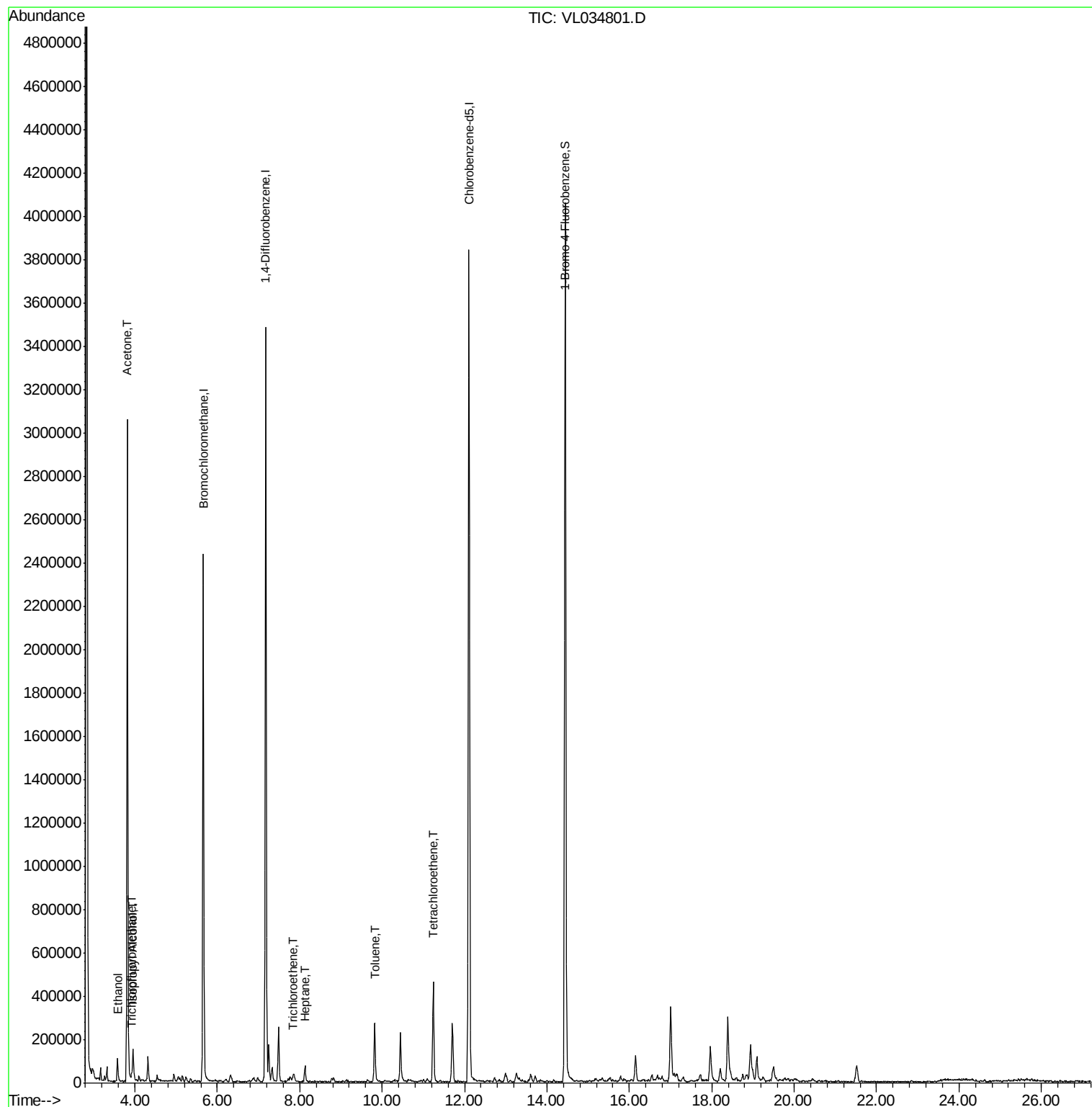
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030520\
Data File : VL034801.D
Acq On : 5 Mar 2020 18:28
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

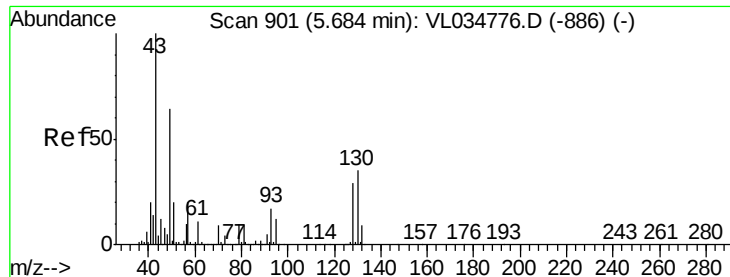
Instrument :
MSVOA_L
ClientSampleId :
SS-6-4DL

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Quant Time: Mar 06 12:14:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL034801.D

Acq: 5 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

SS-6-4DL

Tot Ion: 49 Resp: 1120602

Ion Ratio Lower Upper

49 100

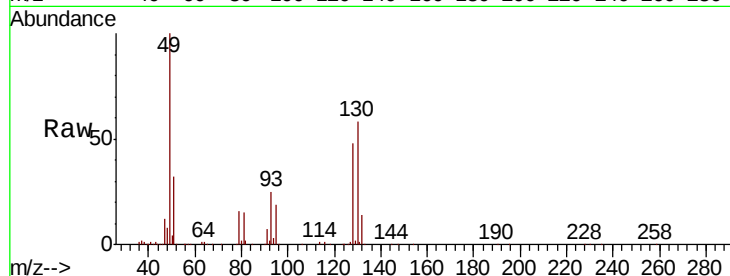
128 45.4 21.6 64.6

130 57.6 27.4 82.2

Manual Integrations
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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

800000

600000

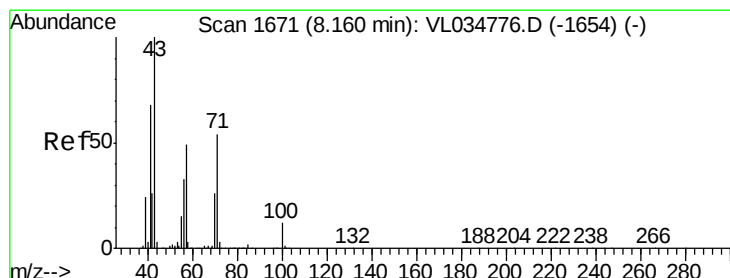
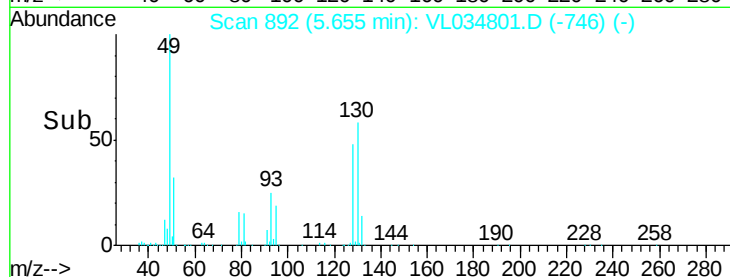
400000

200000

0

5.60 5.65 5.70

Time-->



#10

Heptane

Concen: 0.198 ppbv m

RT: 8.13 min Scan# 1662

Delta R.T. -0.03 min

Lab File: VL034801.D

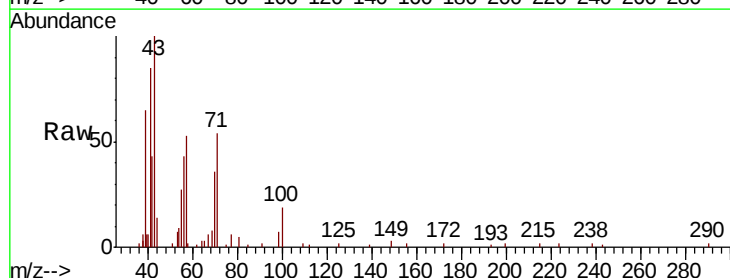
Acq: 5 Mar 2020 18:28

Tgt Ion: 43 Resp: 25254

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

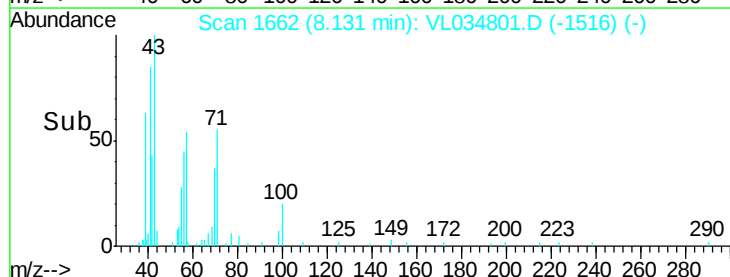
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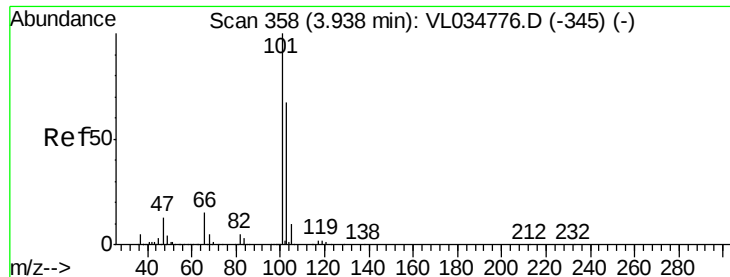
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0

8.05 8.10 8.15

Time-->





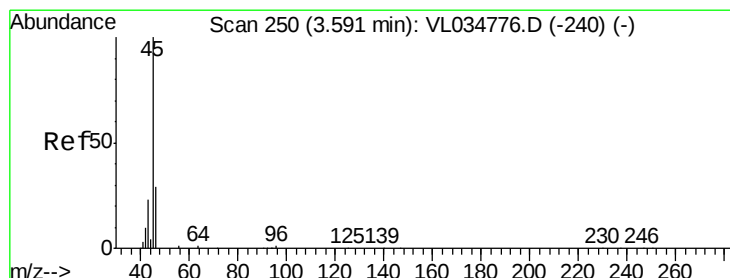
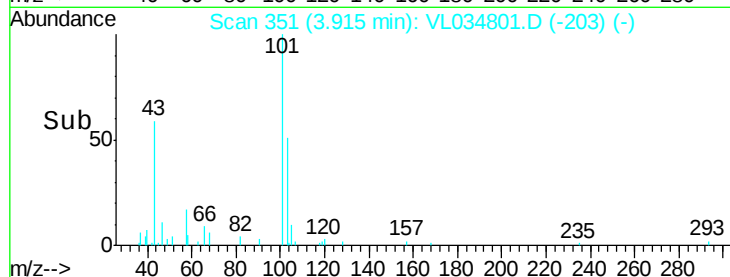
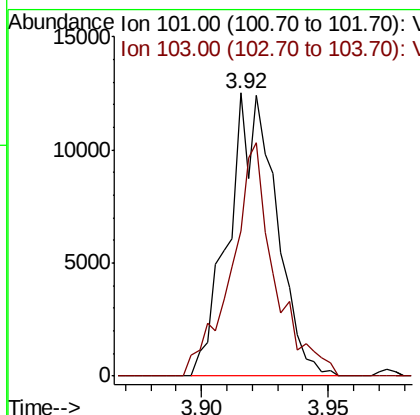
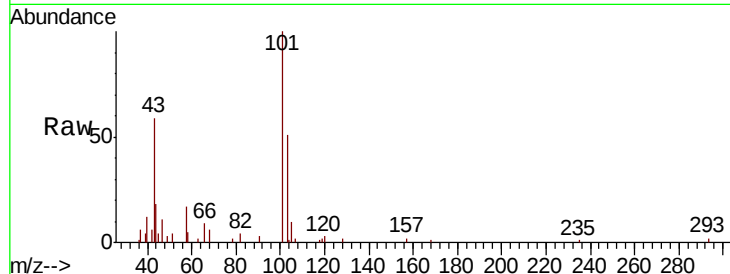
#11
 Trichlorofluoromethane
 Concen: 0.100 ppbv m
 RT: 3.92 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VL034801.D
 Acq: 5 Mar 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6-4DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	51.5	53.6	80.4#

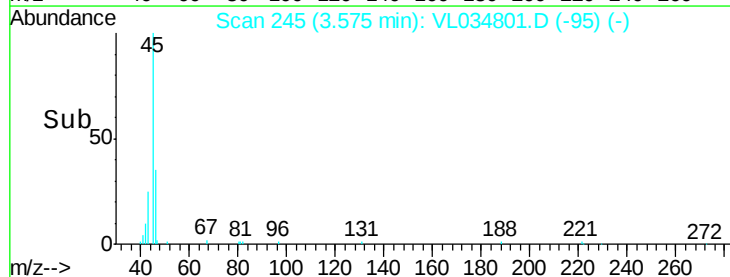
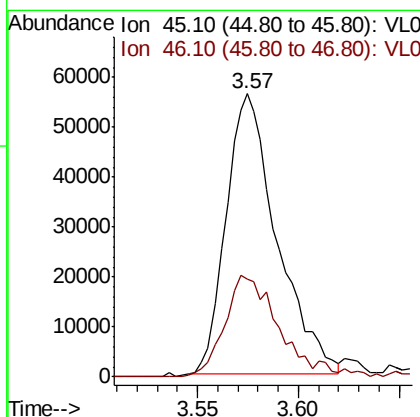
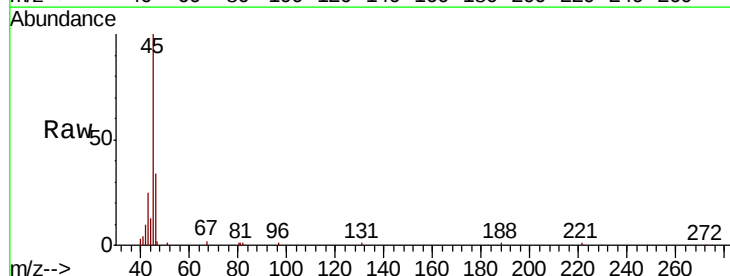
Manual Integrations
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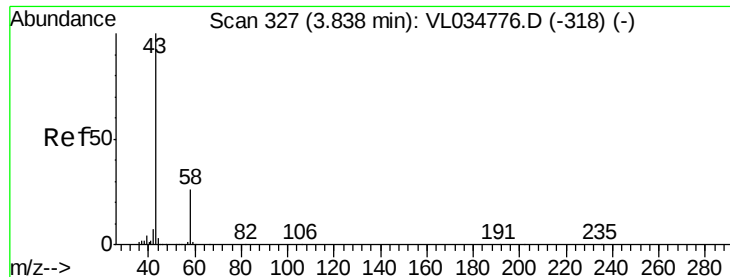
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#13
 Ethanol
 Concen: 5.724 ppbv
 RT: 3.57 min Scan# 245
 Delta R.T. -0.02 min
 Lab File: VL034801.D
 Acq: 5 Mar 2020 18:28

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.9	14.7	58.9





#15

Acetone

Concen: 22.766 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.03 min

Lab File: VL034801.D

Acq: 5 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

SS-6-4DL

Tot Ion: 43 Resp: 3055038

Ion Ratio Lower Upper

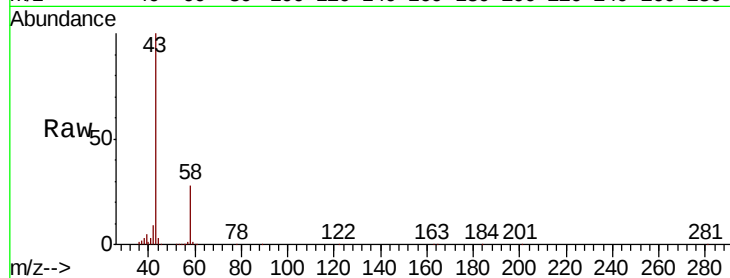
43 100

58 28.0 21.0 31.6

Manual Integrations
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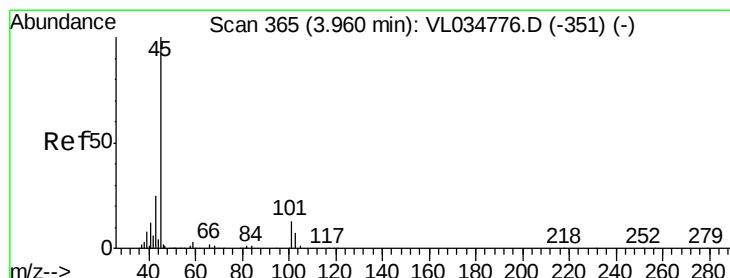
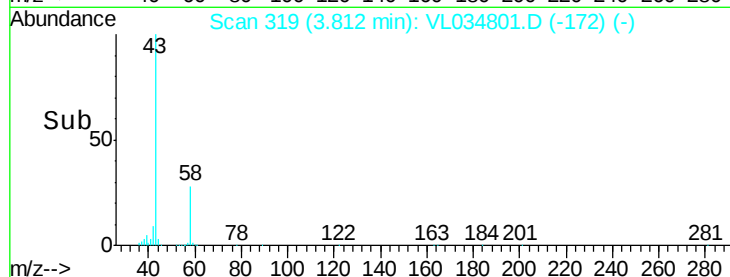
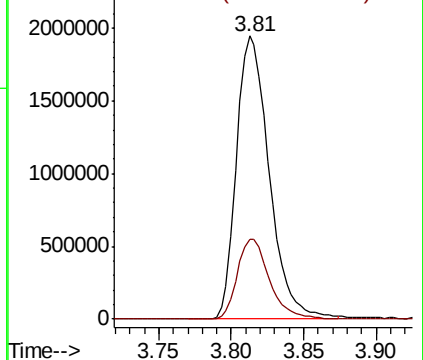
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 1.864 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034801.D

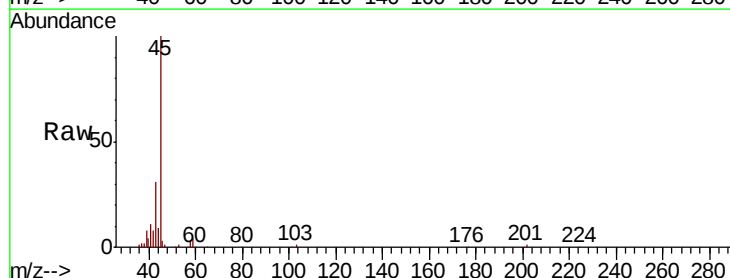
Acq: 5 Mar 2020 18:28

Tgt Ion: 45 Resp: 149861

Ion Ratio Lower Upper

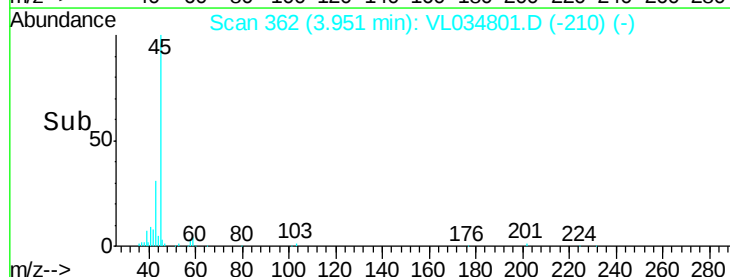
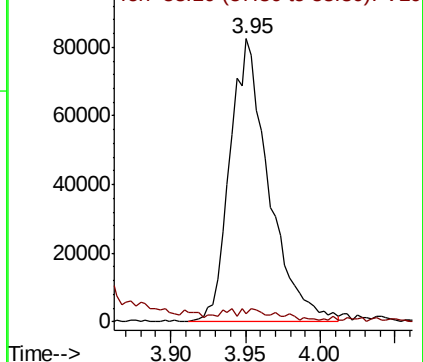
45 100

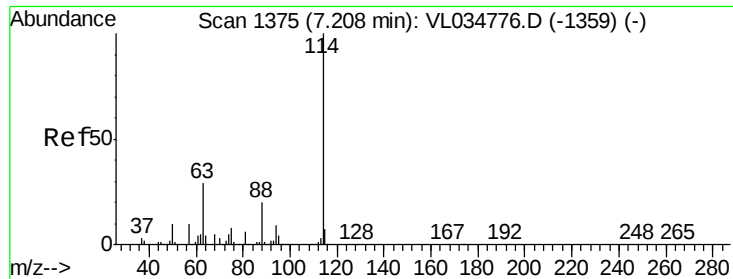
58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





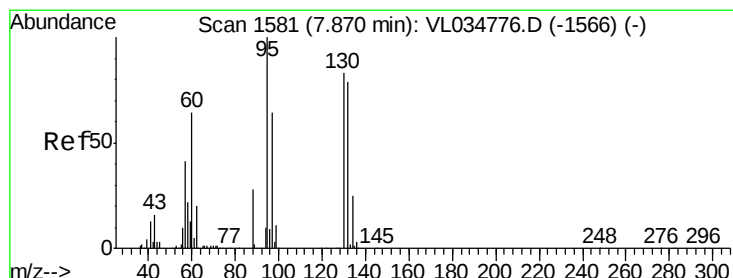
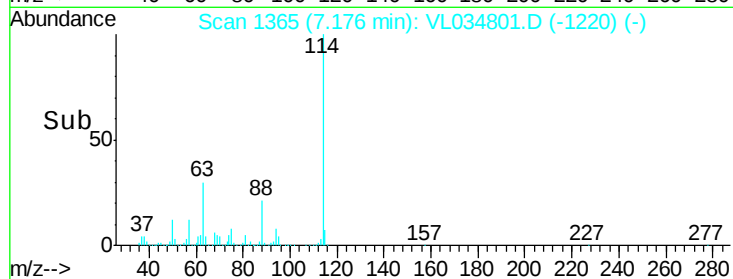
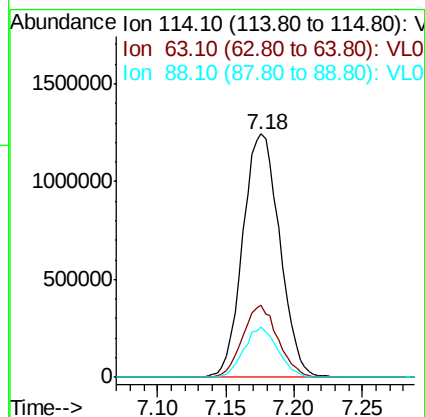
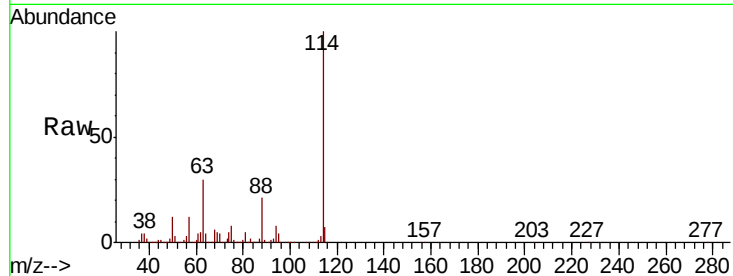
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.03 min
 Lab File: VL034801.D
 Acq: 5 Mar 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6-4DL

Tot Ion:114 Resp: 2338957
 Ion Ratio Lower Upper
 114 100
 63 28.4 23.6 35.4
 88 19.2 15.8 23.8

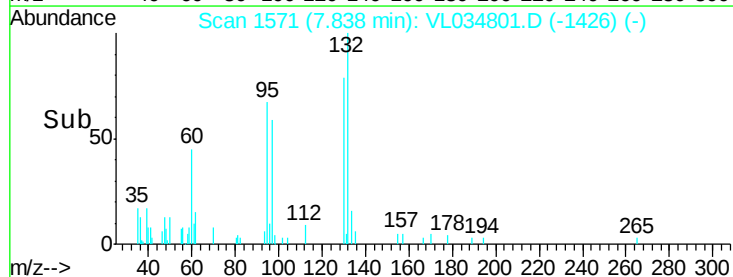
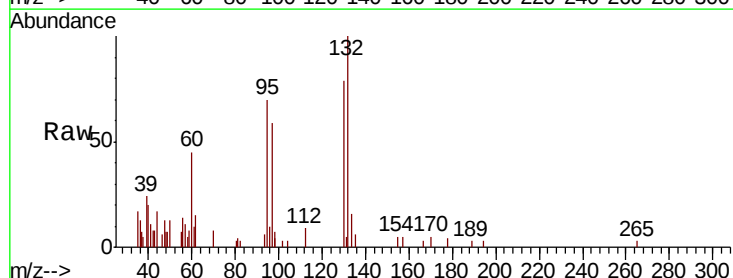
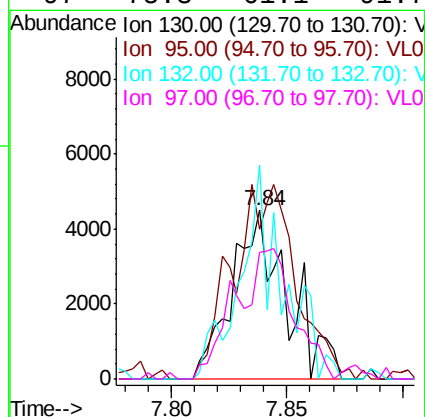
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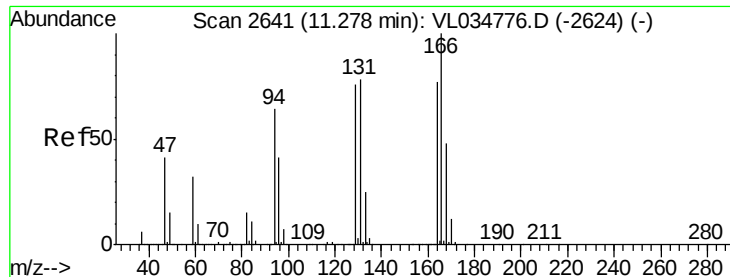
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#38
 Trichloroethene
 Concen: 0.096 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL034801.D
 Acq: 5 Mar 2020 18:28

Tgt Ion:130 Resp: 7456
 Ion Ratio Lower Upper
 130 100
 95 89.2 95.8 143.8#
 132 126.6 76.1 114.1#
 97 75.3 61.1 91.7





#52

Tetrachloroethene

Concen: 1.447 ppbv m

RT: 11.24 min Scan# 2630

Delta R.T. -0.04 min

Lab File: VL034801.D

Acq: 5 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

SS-6-4DL

Tot Ion:164 Resp: 106828

Ion Ratio Lower Upper

164 100

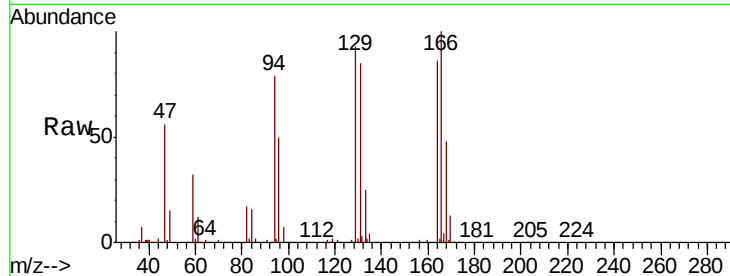
166 116.1 103.3 154.9

129 108.3 79.0 118.4

131 98.7 81.0 121.4

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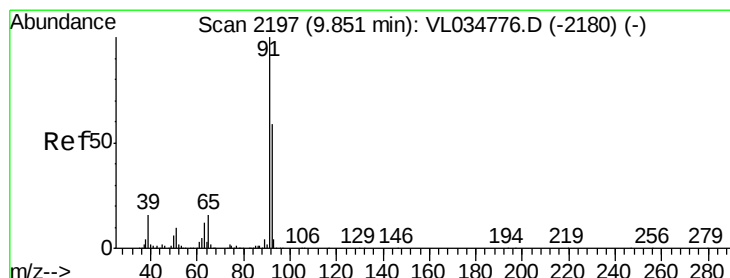
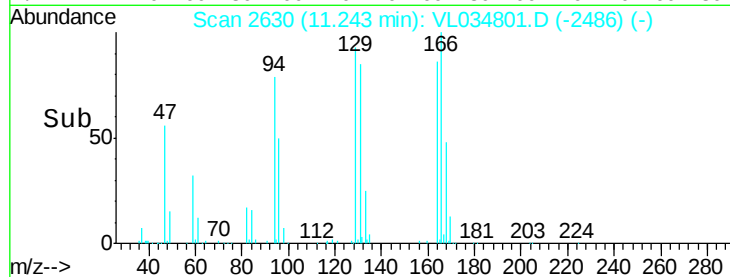
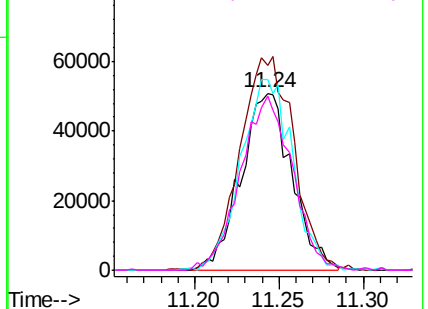


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.932 ppbv m

RT: 9.83 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL034801.D

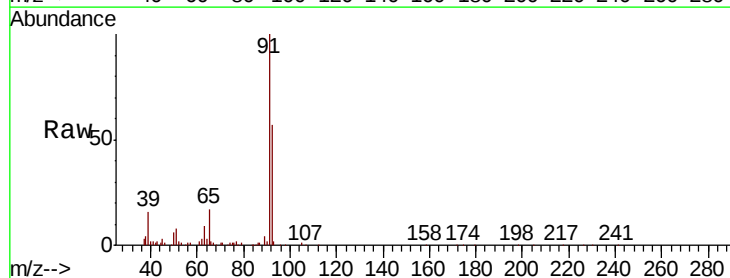
Acq: 5 Mar 2020 18:28

Tgt Ion: 91 Resp: 197081

Ion Ratio Lower Upper

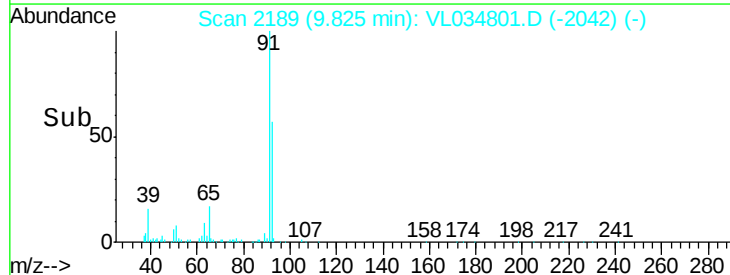
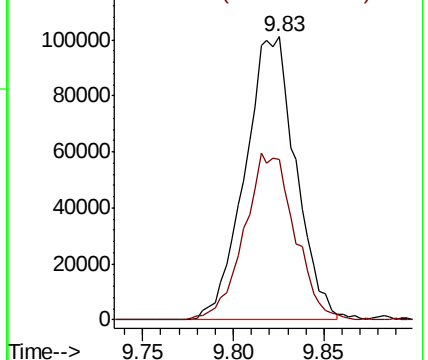
91 100

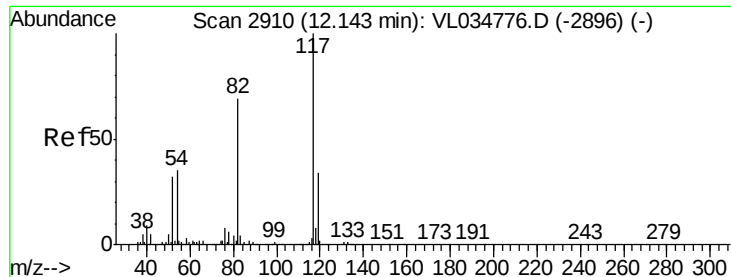
92 58.4 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





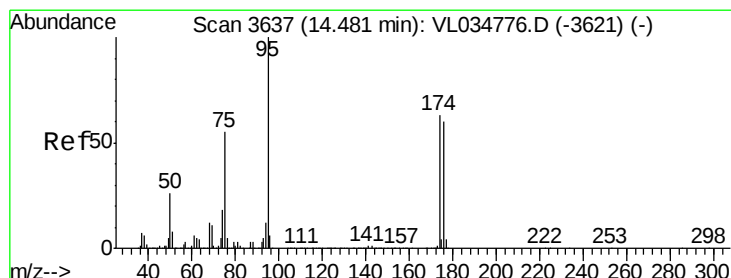
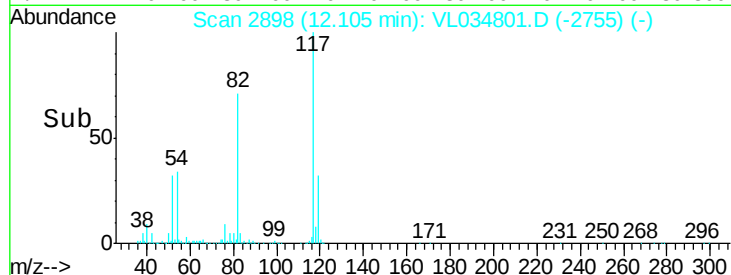
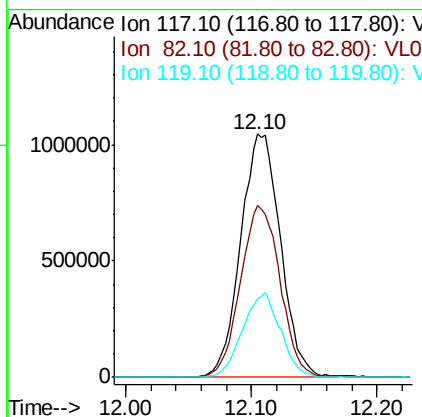
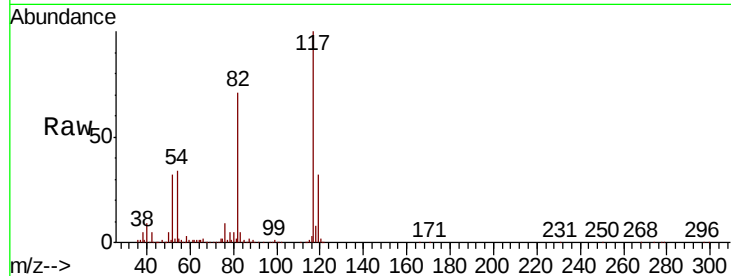
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.04 min
Lab File: VL034801.D
Acq: 5 Mar 2020 18:28

Instrument :
MSVOA_L
ClientSampled :
SS-6-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.7	53.9	80.9
119	33.2	25.0	37.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.862 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.04 min
Lab File: VL034801.D
Acq: 5 Mar 2020 18:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.6	76.0
175	4.9	3.8	5.6

