

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032786.D
 Acq On : 20 Nov 2018 20:06
 Operator : SY/AP
 Sample : J5961-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:48 AM

Quant Time: Nov 21 05:54:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1308568	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3337936	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2952636	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2151563	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	34387m	0.183	ppbv	
3) Chlorodifluoromethane	3.02	51	49757m	0.480	ppbv	
4) Chloromethane	3.18	50	69923	1.215	ppbv	92
9) Propene	3.05	41	72669	1.750	ppbv #	82
11) Trichlorofluoromethane	4.01	101	32740	0.185	ppbv	99
13) Ethanol	3.66	45	2510487	184.617	ppbv	99
15) Acetone	3.90	43	1287254	10.772	ppbv	95
19) Isopropyl Alcohol	4.04	45	321159	4.034	ppbv #	1
20) Methylene Chloride	4.42	84	49499	0.800	ppbv	97
29) Chloroform	5.85	83	58623	0.265	ppbv #	81
52) Tetrachloroethene	11.38	164	21476m	0.232	ppbv	

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

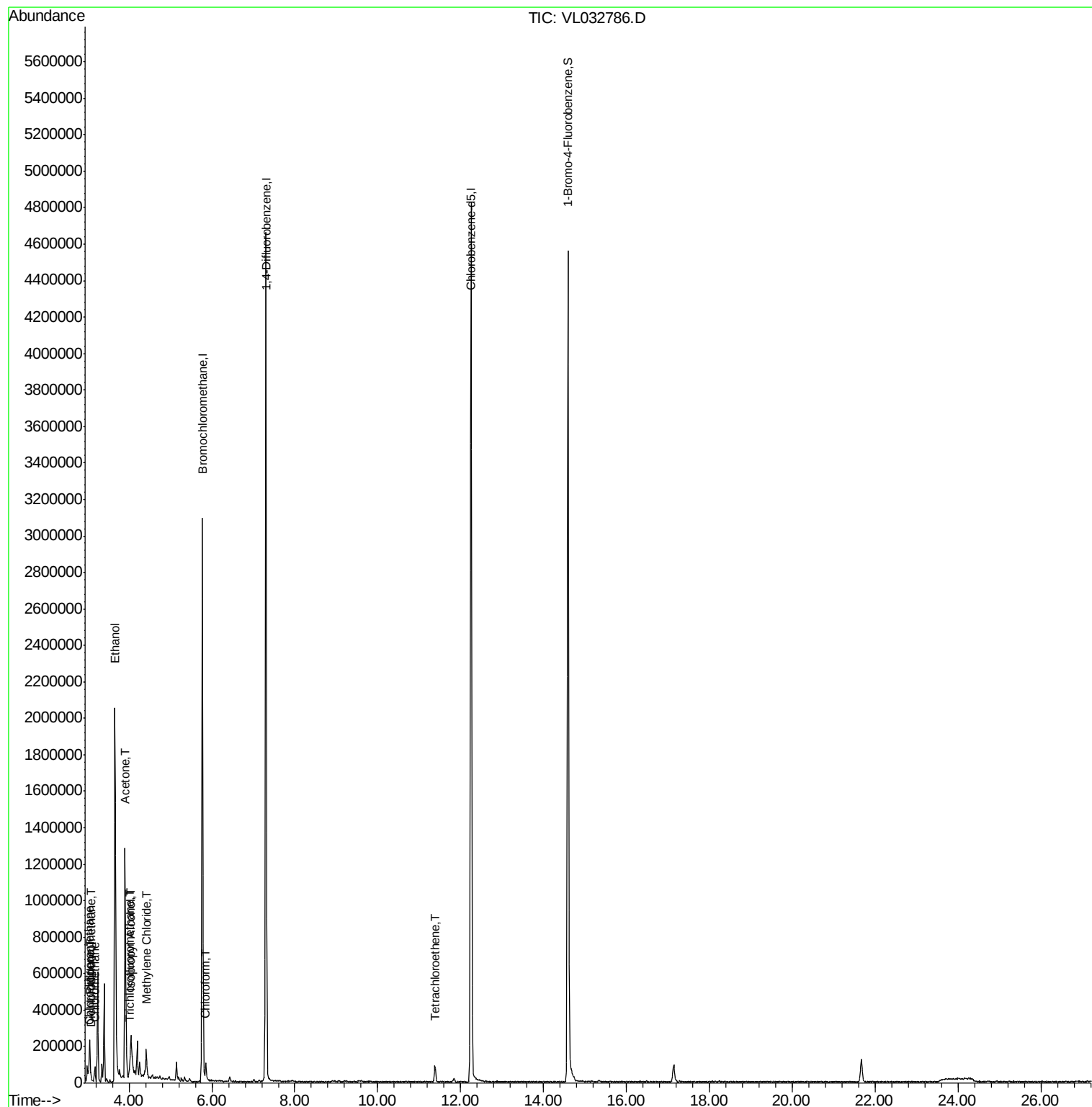
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032786.D
Acq On : 20 Nov 2018 20:06
Operator : SY/AP
Sample : J5961-02DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

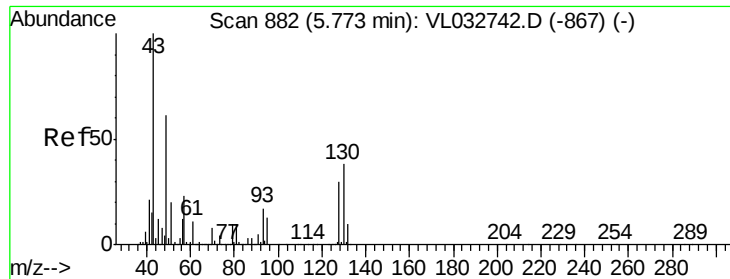
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Manual Integrations
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11/26/2018 9:18:48 AM

Quant Time: Nov 21 05:54:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 49 Resp: 1308568

Ion Ratio Lower Upper

49 100

128 52.6 24.9 74.6

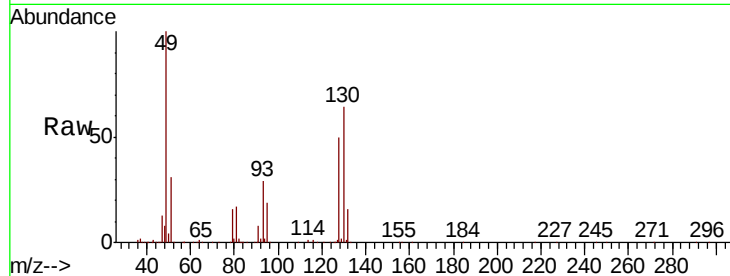
130 67.1 31.4 94.2

Manual Integrations

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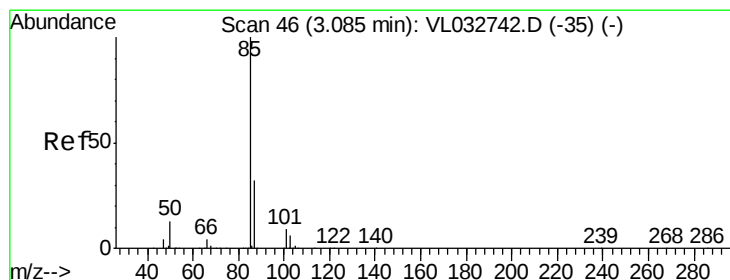
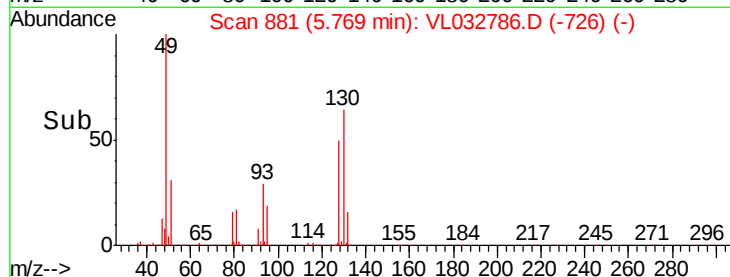
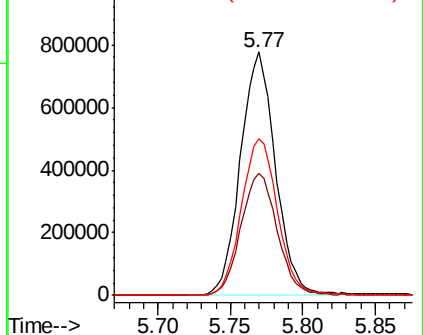
11/26/2018 9:18:48 AM



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



#2

Dichlorodifluoromethane

Concen: 0.183 ppbv m

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032786.D

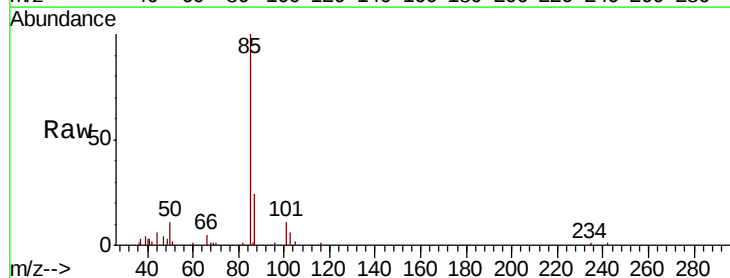
Acq: 20 Nov 2018 20:06

Tgt Ion: 85 Resp: 34387

Ion Ratio Lower Upper

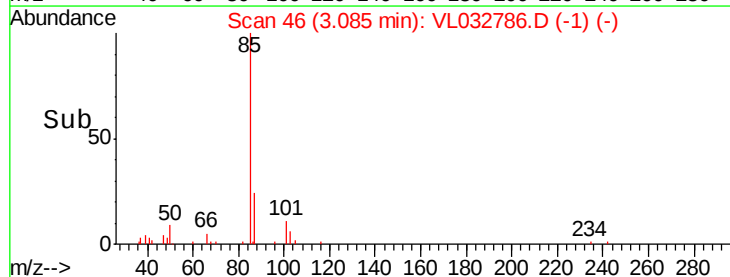
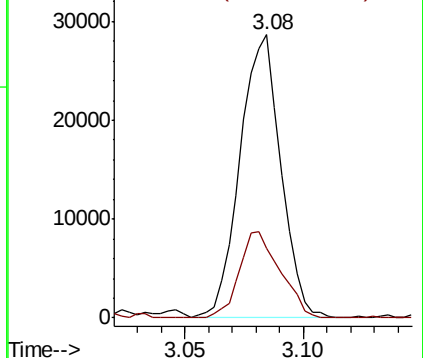
85 100

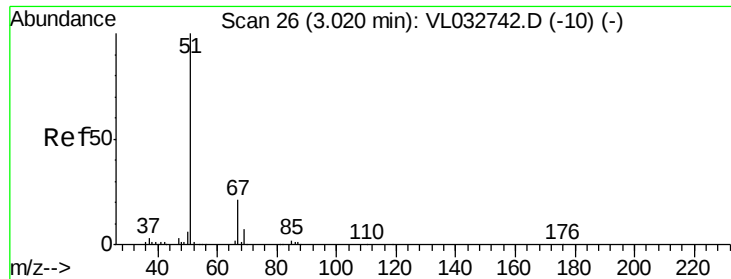
87 24.4 26.0 39.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.480 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 51 Resp: 49757

Ion Ratio Lower Upper

51 100

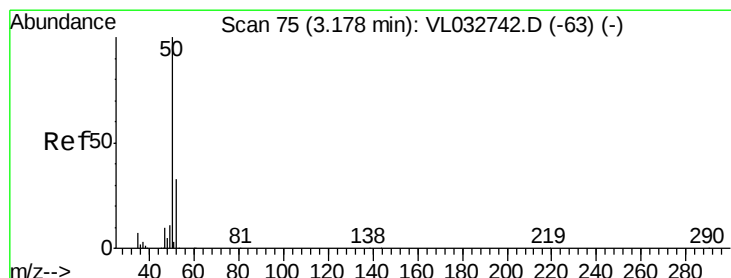
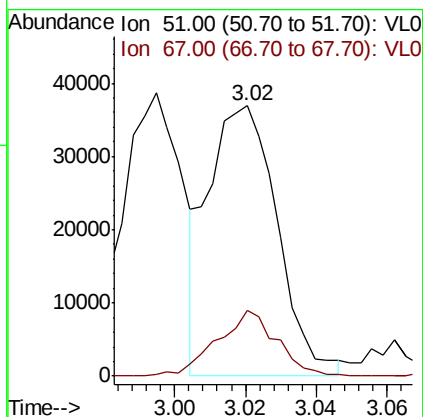
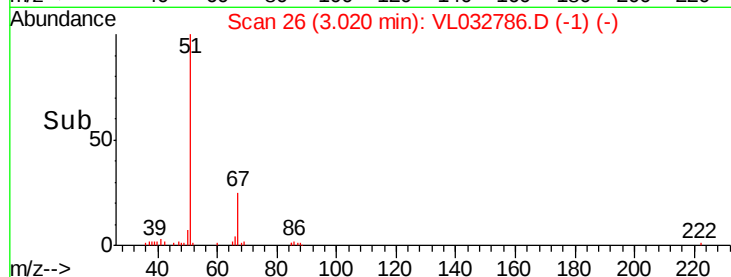
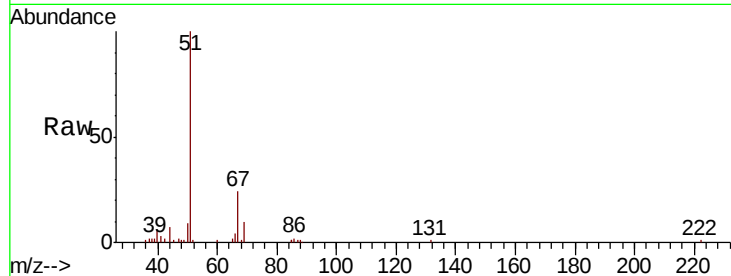
67 21.1 16.1 24.1

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#4

Chloromethane

Concen: 1.215 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032786.D

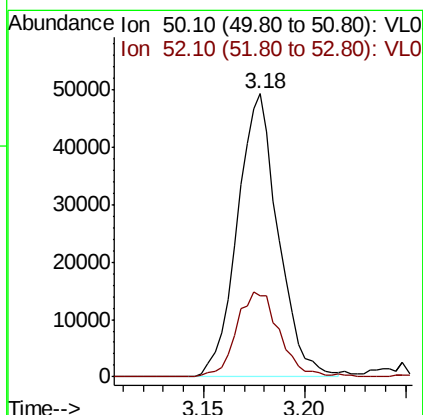
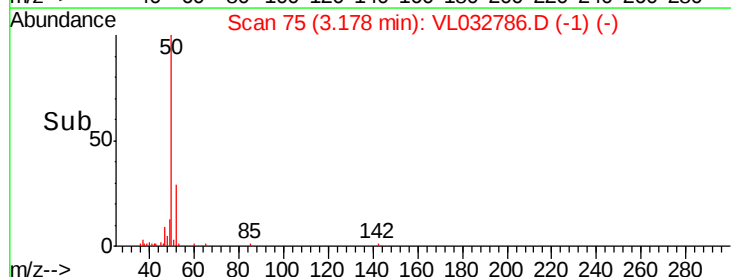
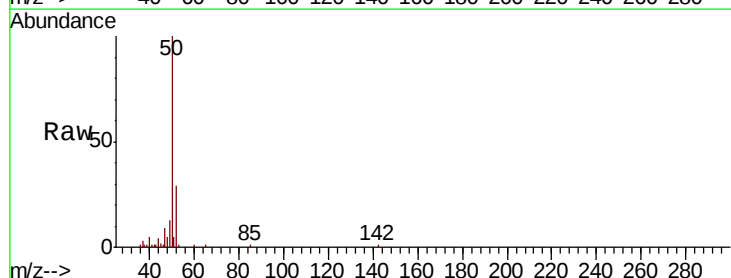
Acq: 20 Nov 2018 20:06

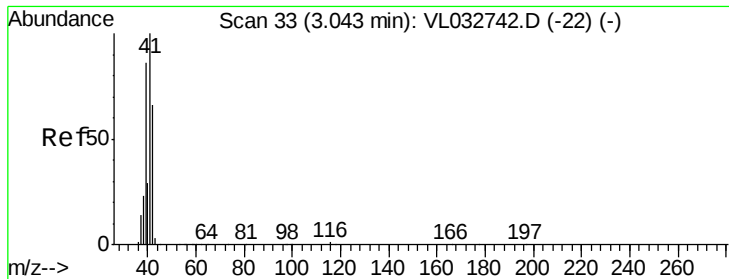
Tgt Ion: 50 Resp: 69923

Ion Ratio Lower Upper

50 100

52 28.9 26.6 40.0





#9

Propene

Concen: 1.750 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 41 Resp: 72669

Ion Ratio Lower Upper

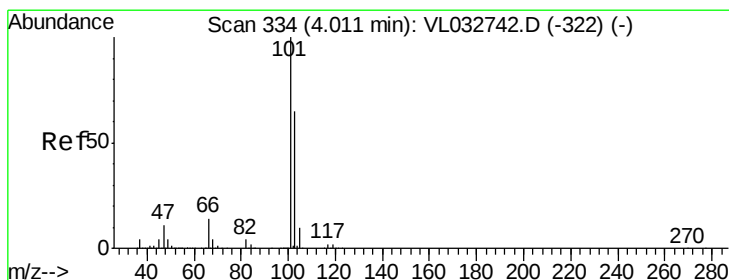
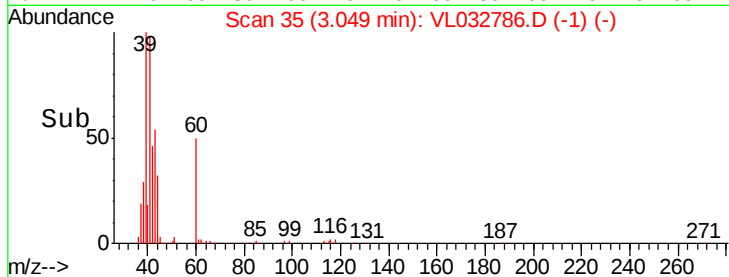
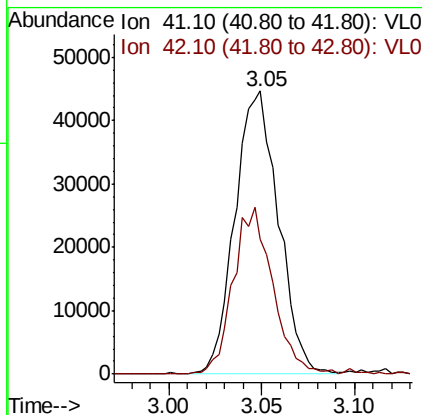
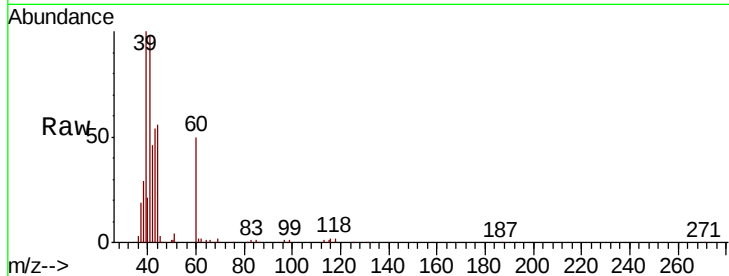
41 100

42 54.1 55.0 82.6#

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#11

Trichlorofluoromethane

Concen: 0.185 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL032786.D

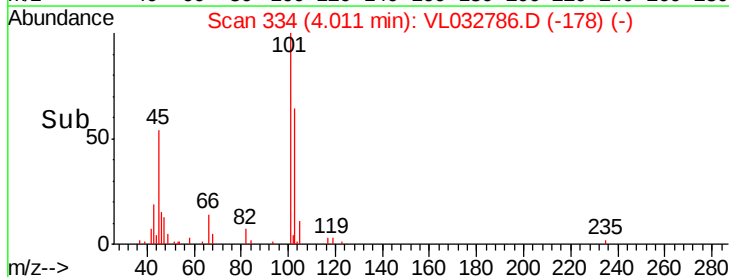
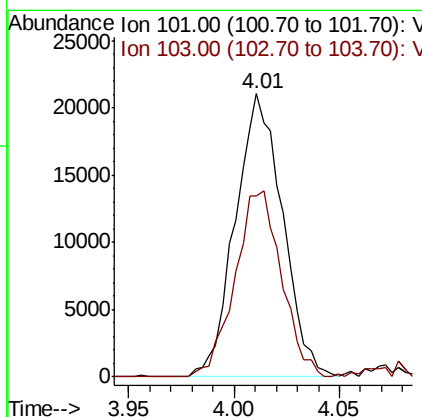
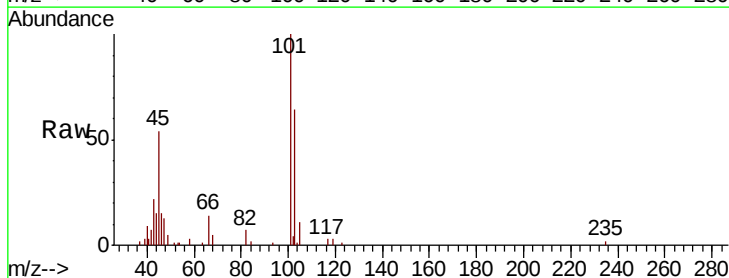
Acq: 20 Nov 2018 20:06

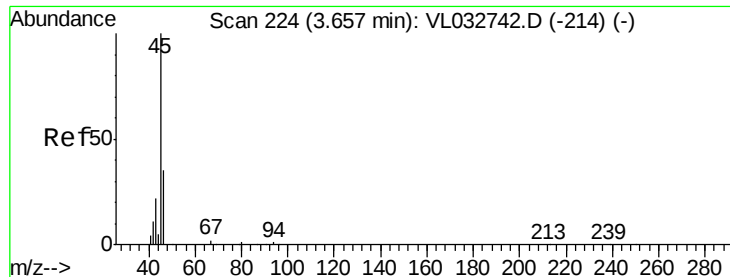
Tgt Ion: 101 Resp: 32740

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4





#13

Ethanol

Concen: 184.617 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Tot Ion: 45 Resp: 2510487

Ion Ratio Lower Upper

45 100

46 36.7 14.5 57.9

Instrument :

MSVOA_L

ClientSampled :

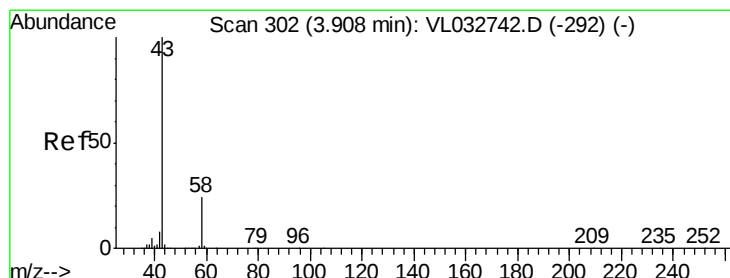
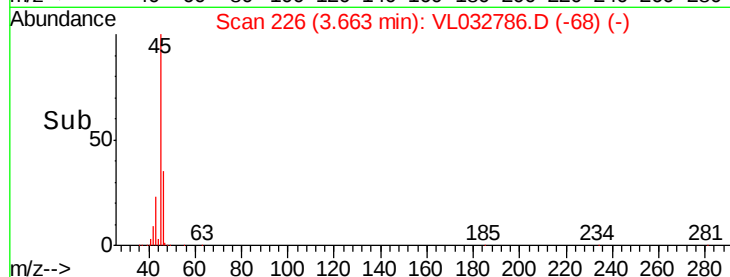
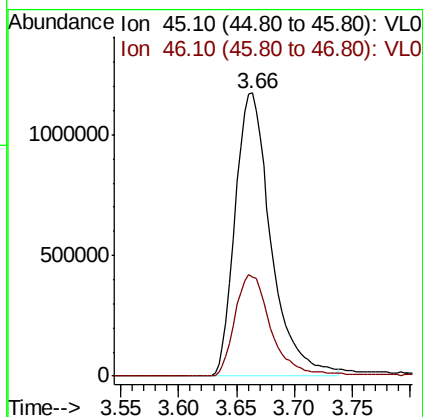
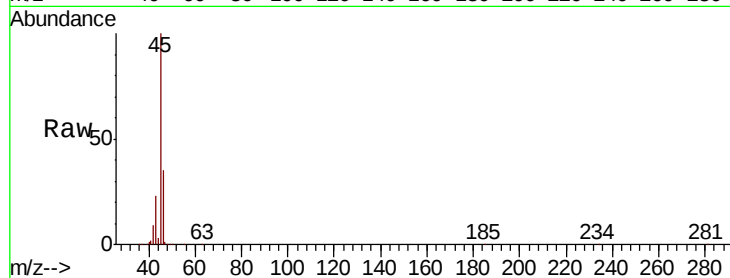
IA2DUP

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#15

Acetone

Concen: 10.772 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032786.D

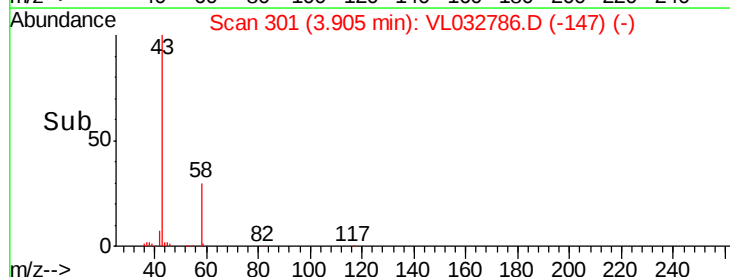
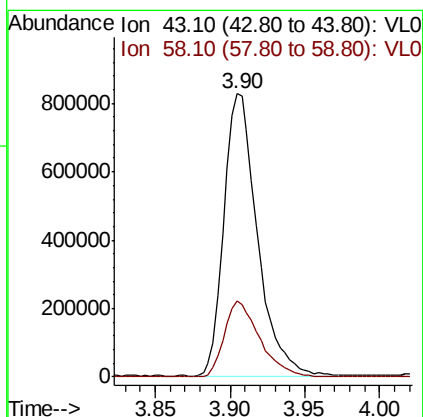
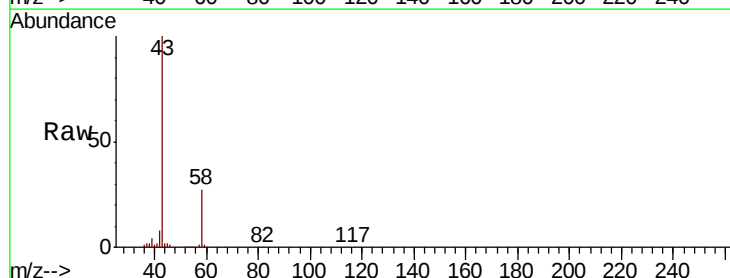
Acq: 20 Nov 2018 20:06

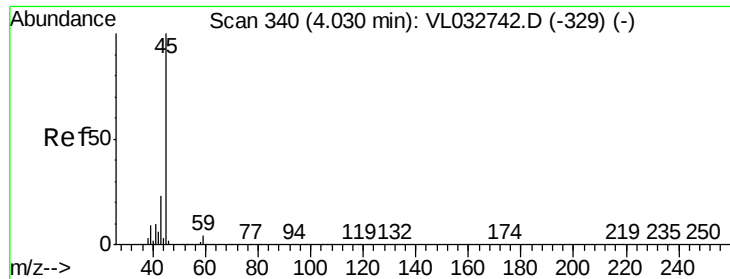
Tgt Ion: 43 Resp: 1287254

Ion Ratio Lower Upper

43 100

58 28.8 21.1 31.7





#19

Isopropyl Alcohol

Concen: 4.034 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.01 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 45 Resp: 321159

Ion Ratio Lower Upper

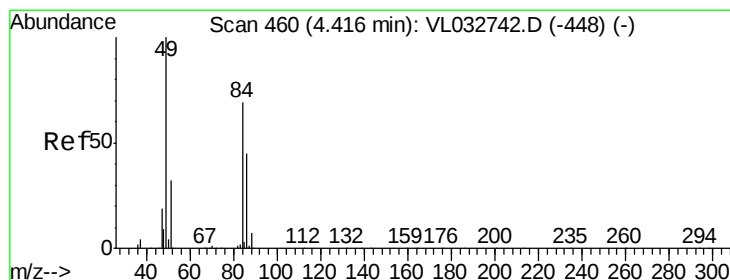
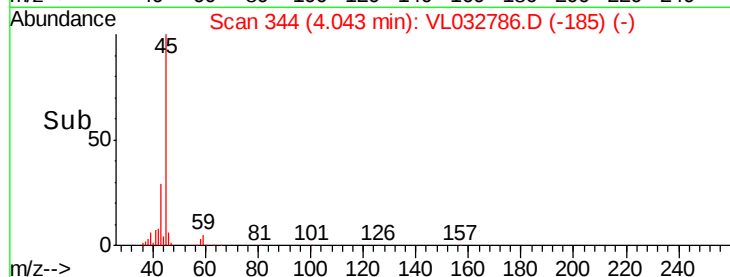
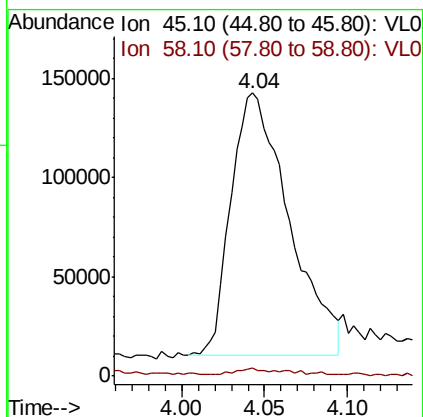
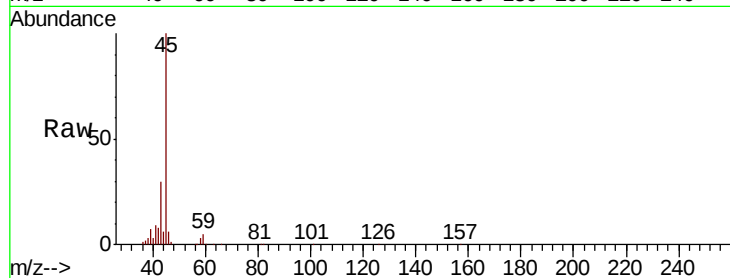
45 100

58 115.9 1.4 2.0#

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#20

Methylene Chloride

Concen: 0.800 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Tgt Ion: 84 Resp: 49499

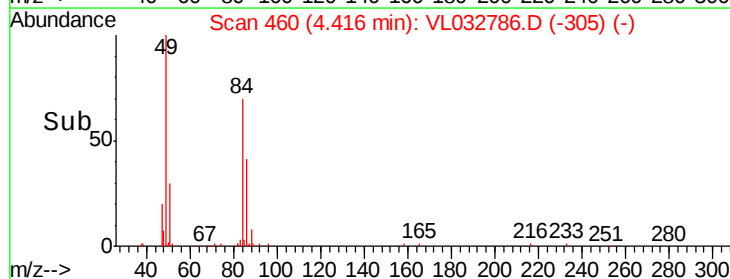
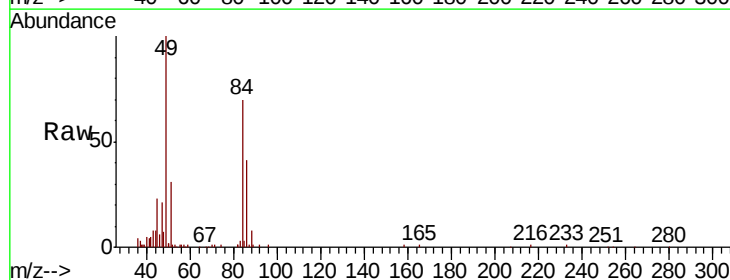
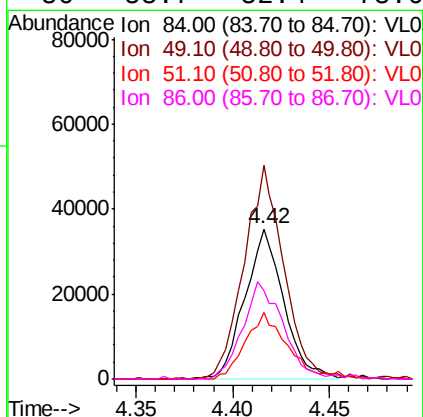
Ion Ratio Lower Upper

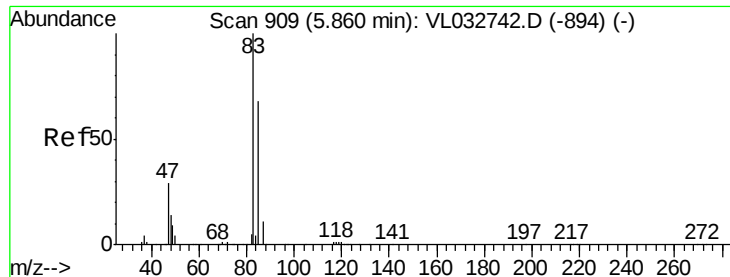
84 100

49 145.6 115.8 173.6

51 44.3 36.9 55.3

86 58.7 52.4 78.6





#29

Chloroform

Concen: 0.265 ppbv

RT: 5.85 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 83 Resp: 58623

Ion Ratio Lower Upper

83 100

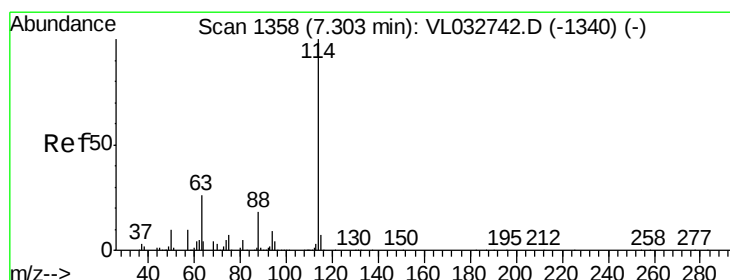
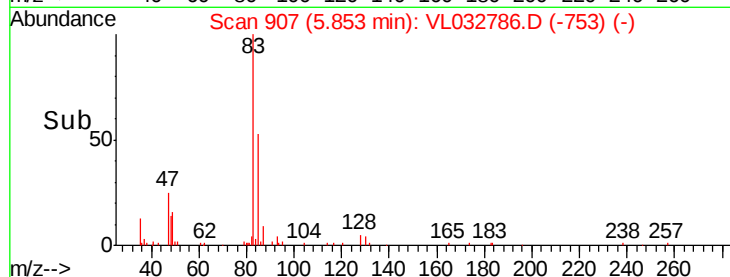
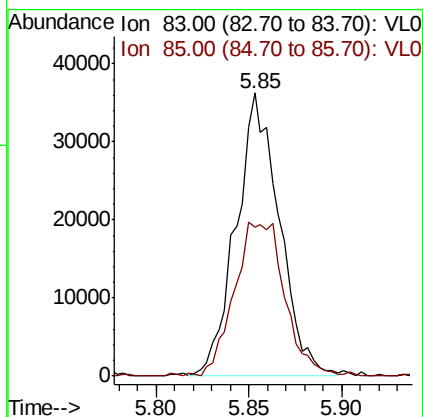
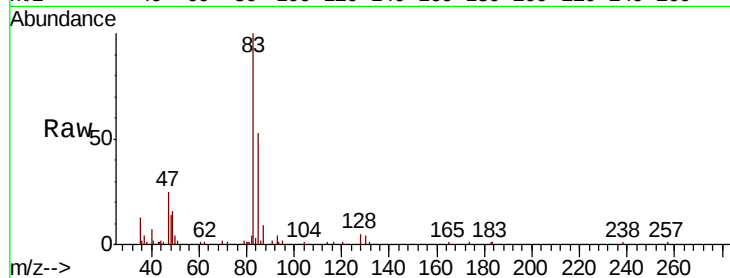
85 52.4 54.2 81.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

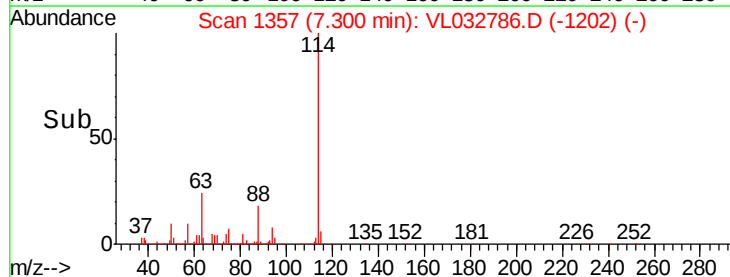
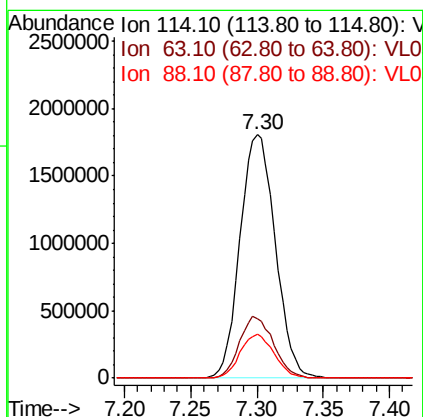
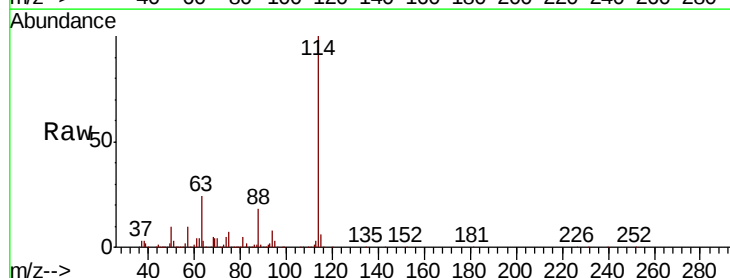
Tgt Ion: 114 Resp: 3337936

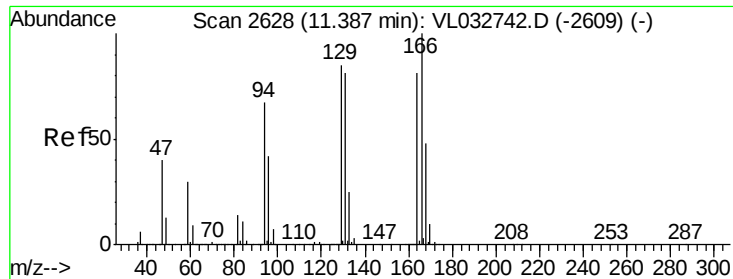
Ion Ratio Lower Upper

114 100

63 24.5 20.9 31.3

88 17.5 14.4 21.6





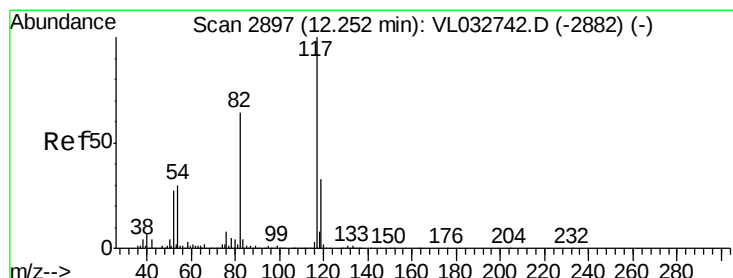
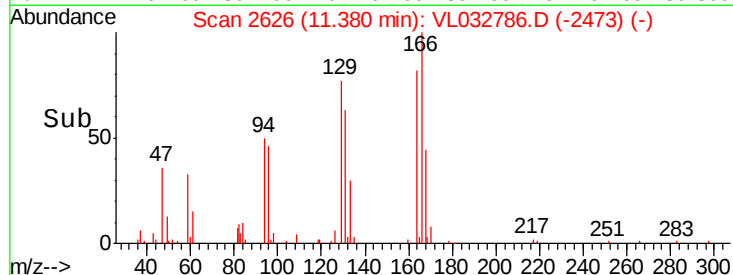
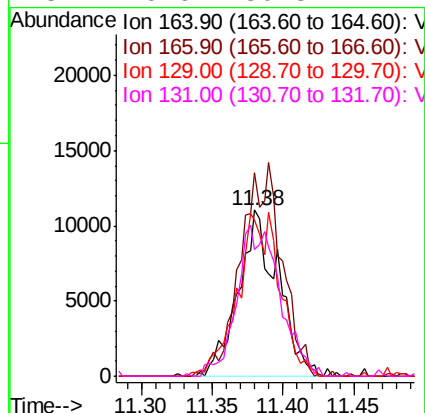
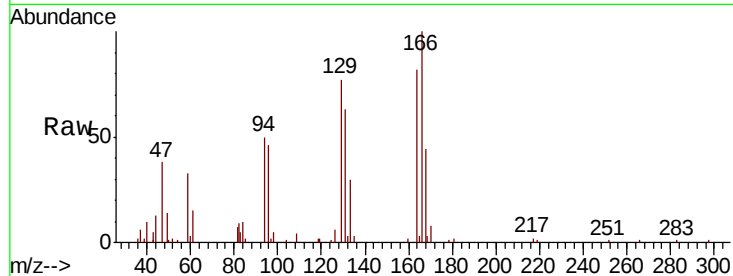
#52
Tetrachloroethene
Concen: 0.232 ppbv m
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032786.D
Acq: 20 Nov 2018 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.0	99.3	148.9
129	94.2	83.9	125.9
131	76.6	80.8	121.2#

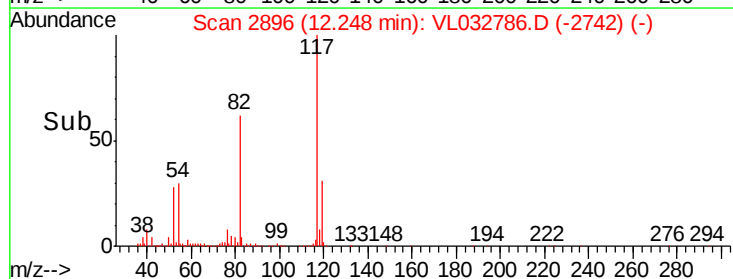
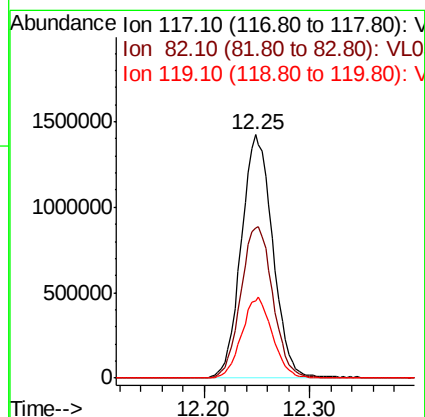
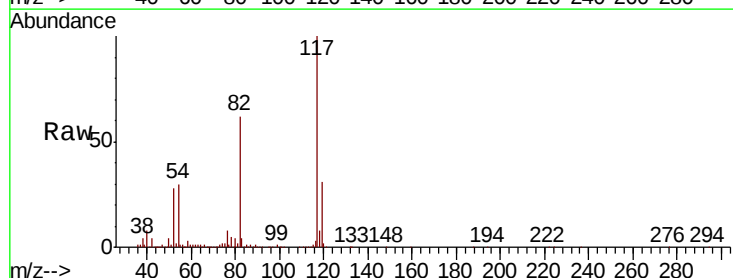
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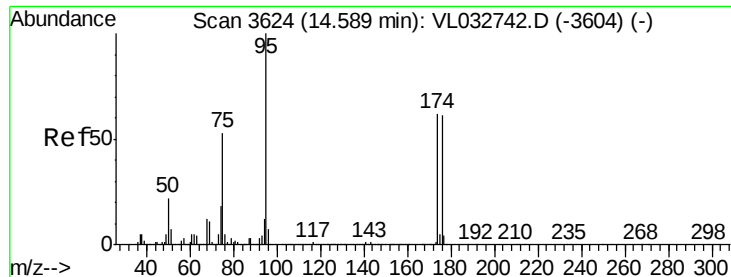
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032786.D
Acq: 20 Nov 2018 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.9	51.0	76.6
119	32.3	28.0	42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.743 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL032786.D

Acq: 20 Nov 2018 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 95 Resp: 2151563

Ion Ratio Lower Upper

95 100

174 66.7 50.7 76.1

175 5.3 3.8 5.6

Manual Integrations
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11/26/2018 9:18:48 AM

