

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032039.D
 Acq On : 2 Jun 2018 2:53
 Operator : SY/AP
 Sample : J3225-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
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 6/4/2018 3:35:55 PM

Quant Time: Jun 02 03:44:26 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1110108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2125847	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	1972620	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1502777	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.15	85	40568	0.30	ppbv	93
3) Chlorodifluoromethane	3.09	51	50444m	0.48	ppbv	
4) Chloromethane	3.24	50	76029m	1.44	ppbv	
9) Propene	3.12	41	35150	1.03	ppbv	88
11) Trichlorofluoromethane	4.09	101	35881	0.17	ppbv	97
13) Ethanol	3.74	45	693952	52.06	ppbv	99
15) Acetone	3.98	43	3791494	28.32	ppbv	90
19) Isopropyl Alcohol	4.13	45	146055	1.65	ppbv #	1
20) Methylene Chloride	4.50	84	113339	1.86	ppbv #	87
34) 2-Butanone	5.43	43	79269	0.47	ppbv	99
41) Tetrahydrofuran	6.27	42	69948	0.97	ppbv	95

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

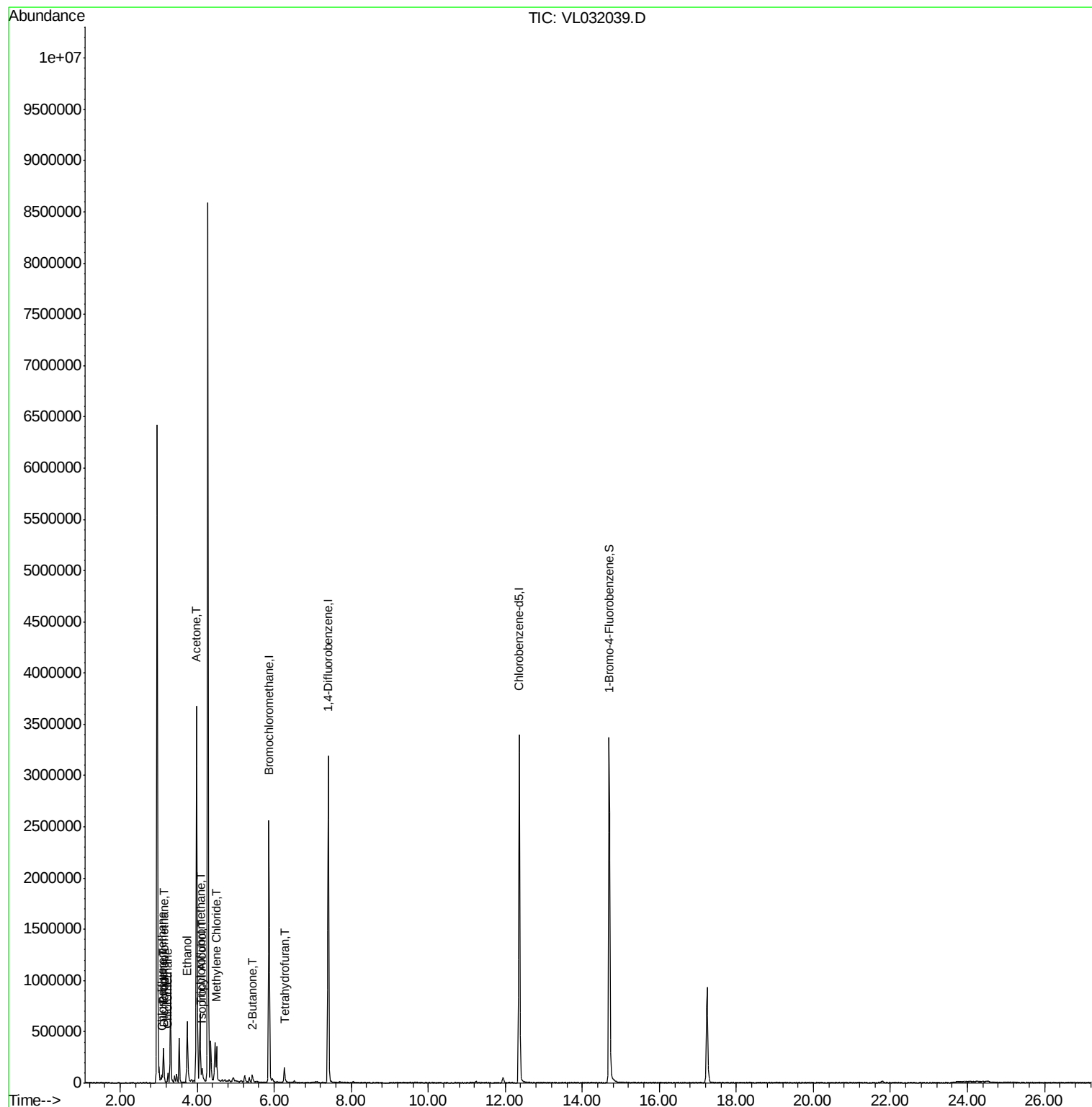
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
Data File : VL032039.D
Acq On : 2 Jun 2018 2:53
Operator : SY/AP
Sample : J3225-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

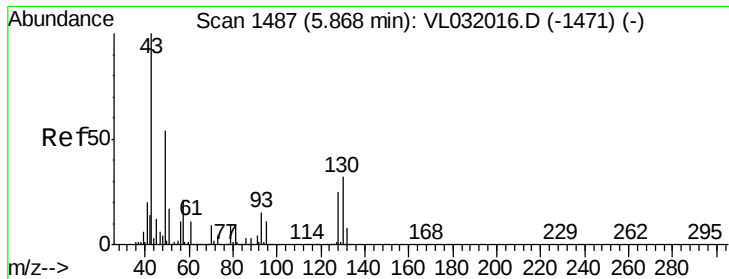
Instrument :
MSVOA_L
ClientSampleId :
IA1

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Quant Time: Jun 02 03:44:26 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration





#1

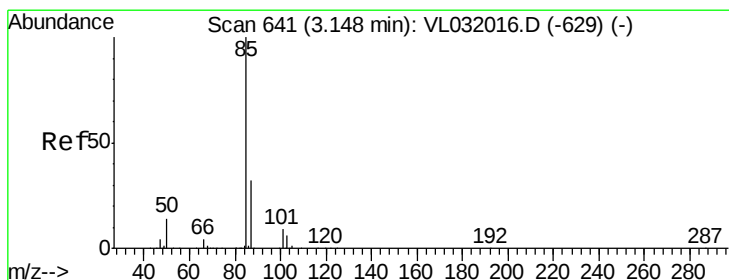
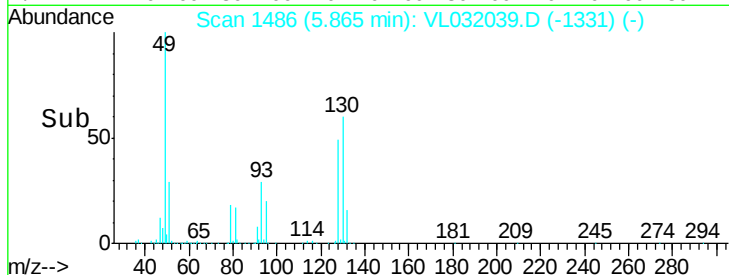
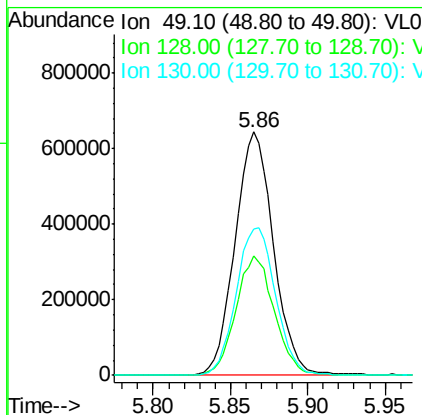
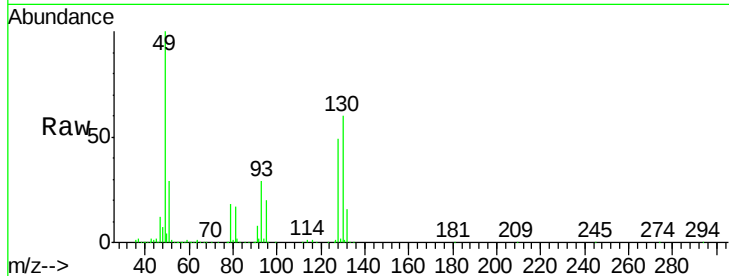
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.86 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VL032039.D
 Acq: 2 Jun 2018 2:53

Instrument :
 MSVOA_L
 ClientSampled :
 IA1

Tot Ion: 49 Resp: 1110108
 Ion Ratio Lower Upper
 49 100
 128 49.4 24.1 72.3
 130 62.8 30.9 92.8

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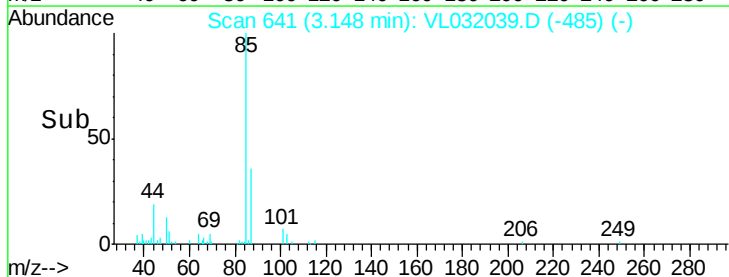
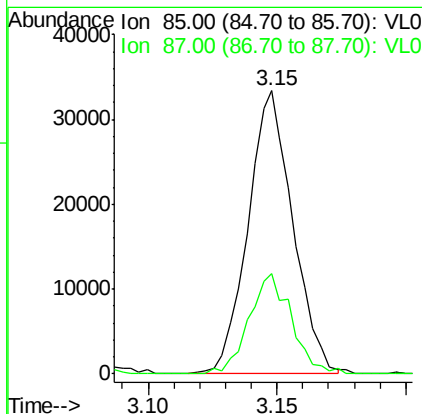
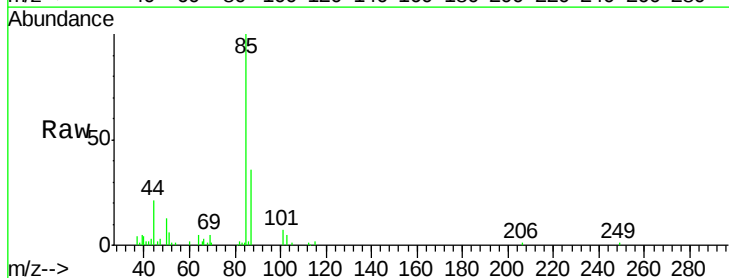
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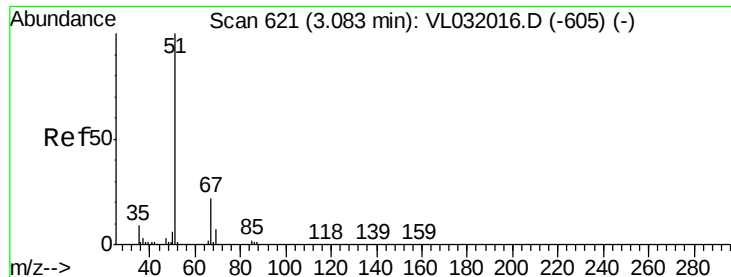


#2

Dichlorodifluoromethane
 Concen: 0.30 ppbv
 RT: 3.15 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VL032039.D
 Acq: 2 Jun 2018 2:53

Tgt Ion: 85 Resp: 40568
 Ion Ratio Lower Upper
 85 100
 87 35.6 25.5 38.3





#3

Chlorodifluoromethane

Concen: 0.48 ppbv m

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL032039.D

Acq: 2 Jun 2018 2:53

Instrument :

MSVOA_L

ClientSampled :

IA1

Tot Ion: 51 Resp: 50444

Ion Ratio Lower Upper

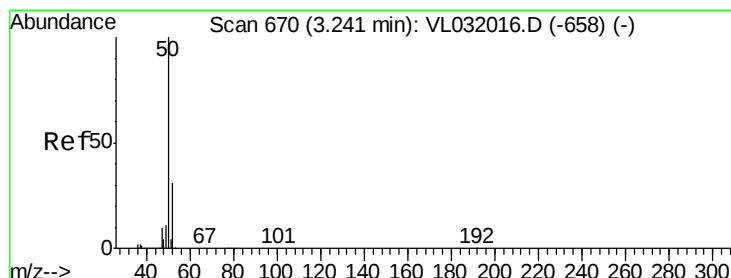
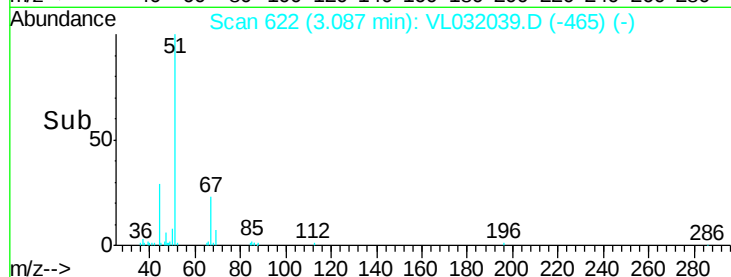
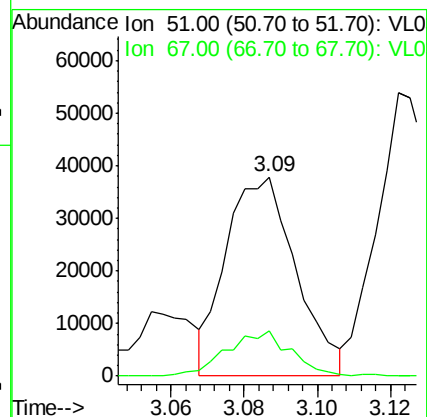
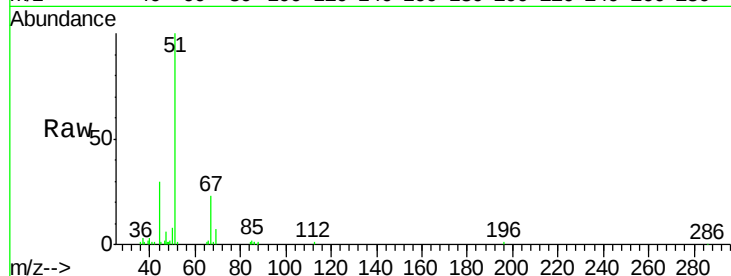
51 100

67 20.7 17.2 25.8

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#4

Chloromethane

Concen: 1.44 ppbv m

RT: 3.24 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL032039.D

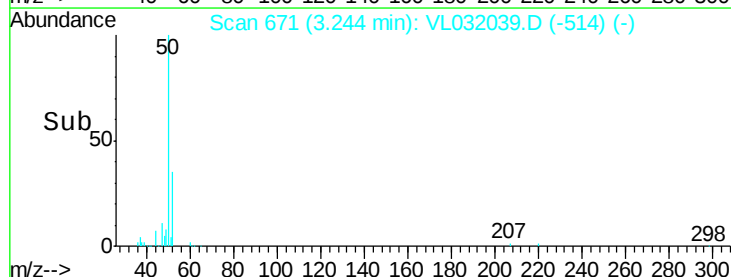
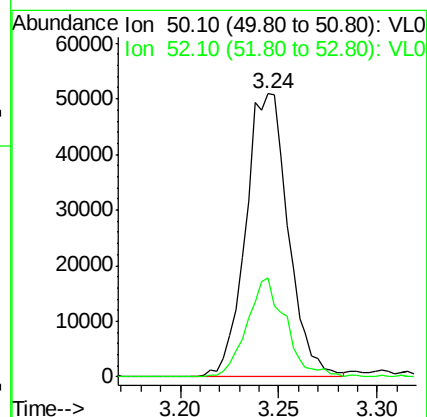
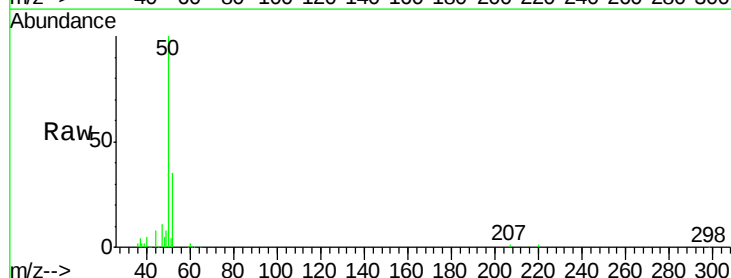
Acq: 2 Jun 2018 2:53

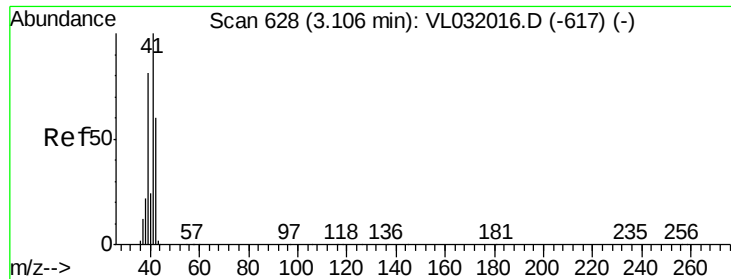
Tgt Ion: 50 Resp: 76029

Ion Ratio Lower Upper

50 100

52 34.8 25.0 37.6





#9

Propene

Concen: 1.03 ppbv

RT: 3.12 min Scan# 632

Delta R.T. 0.01 min

Lab File: VL032039.D

Acq: 2 Jun 2018 2:53

Instrument :

MSVOA_L

ClientSampled :

IA1

Tot Ion: 41 Resp: 35150

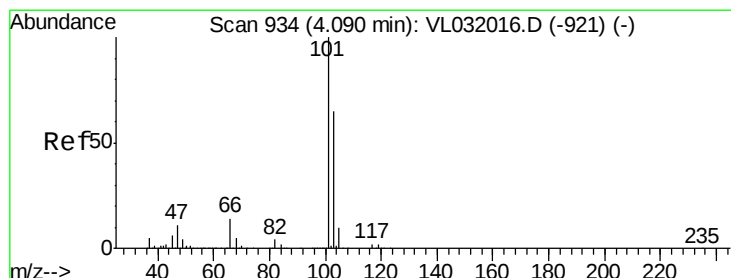
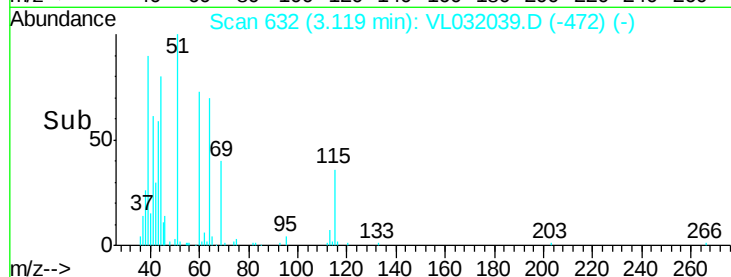
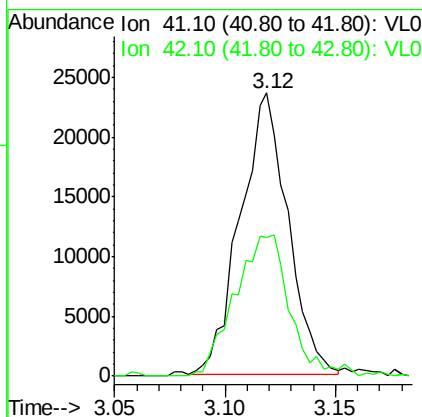
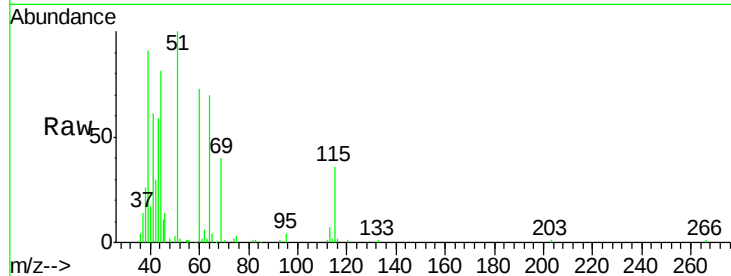
Ion Ratio Lower Upper

41 100

42 58.6 54.4 81.6

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#11

Trichlorofluoromethane

Concen: 0.17 ppbv

RT: 4.09 min Scan# 935

Delta R.T. 0.00 min

Lab File: VL032039.D

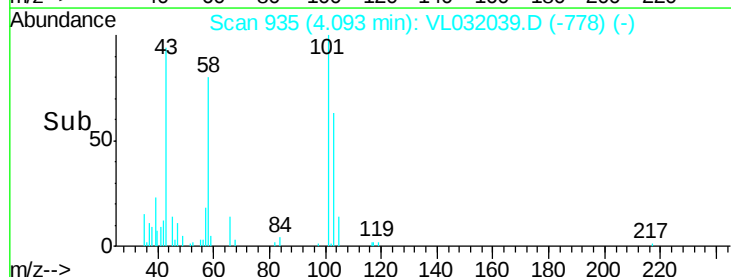
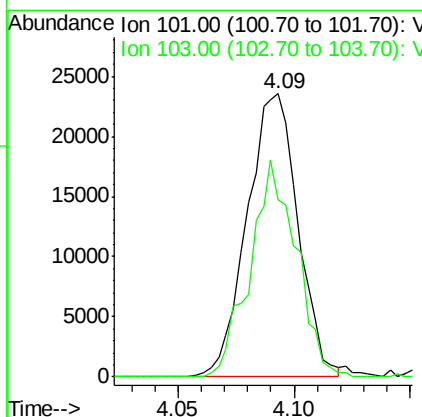
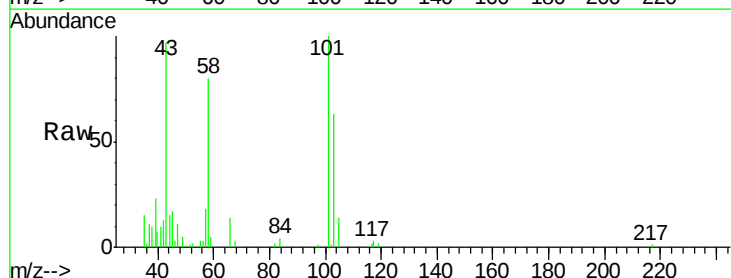
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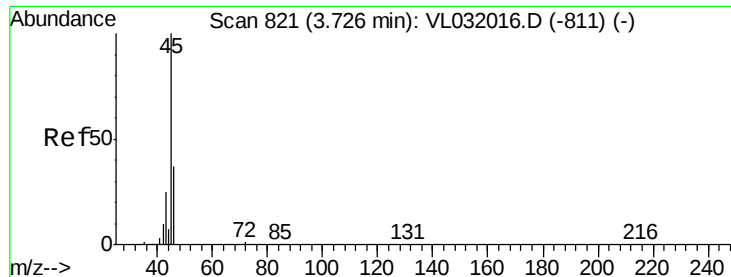
Tgt Ion: 101 Resp: 35881

Ion Ratio Lower Upper

101 100

103 62.7 52.0 78.0





#13

Ethanol

Concen: 52.06 ppbv

RT: 3.74 min Scan# 826

Delta R.T. 0.02 min

Lab File: VL032039.D

Acq: 2 Jun 2018 2:53

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tot Ion: 45 Resp: 693952

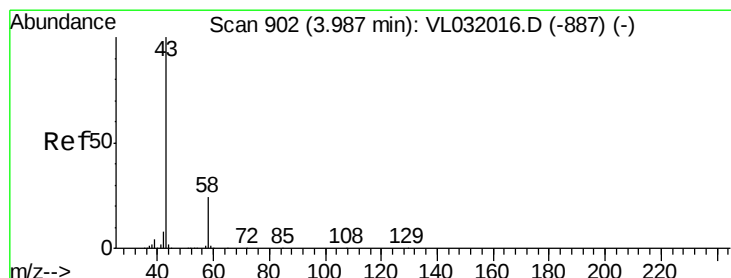
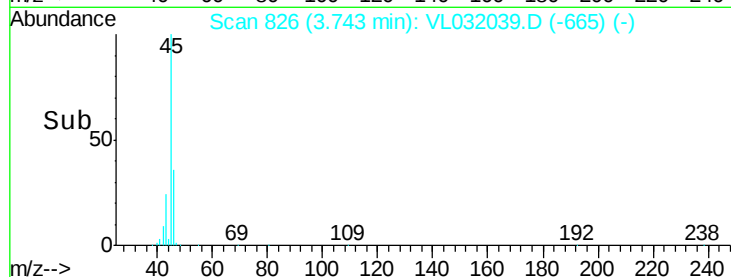
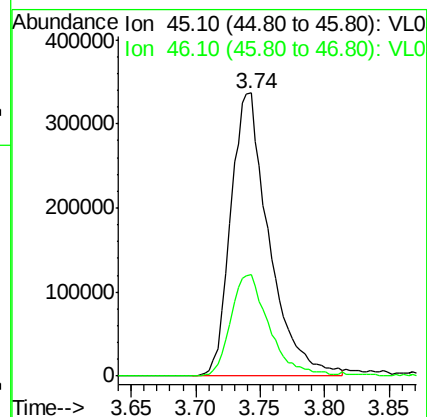
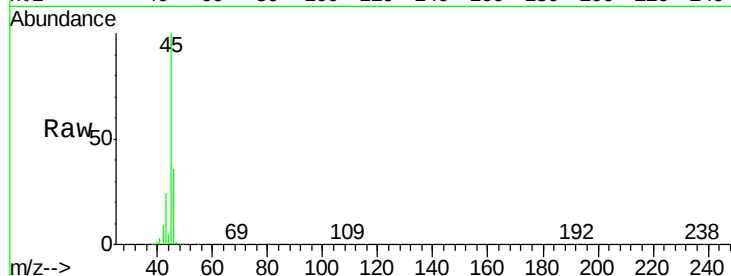
Ion Ratio Lower Upper

45 100

46 36.7 14.9 59.5

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#15

Acetone

Concen: 28.32 ppbv

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL032039.D

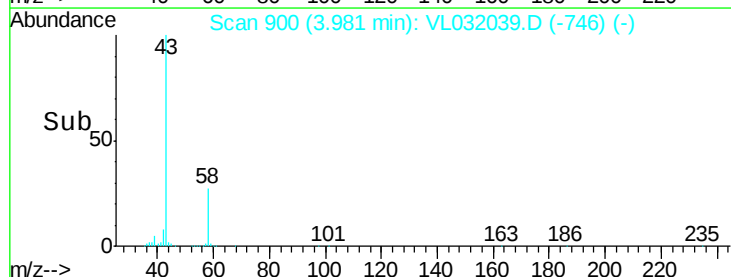
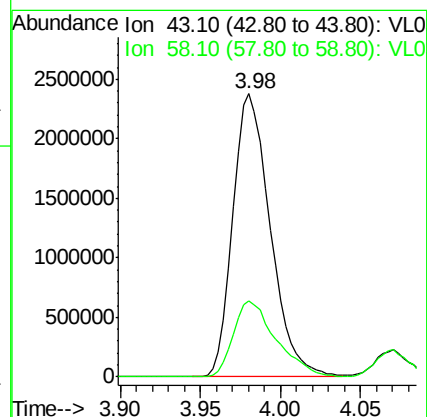
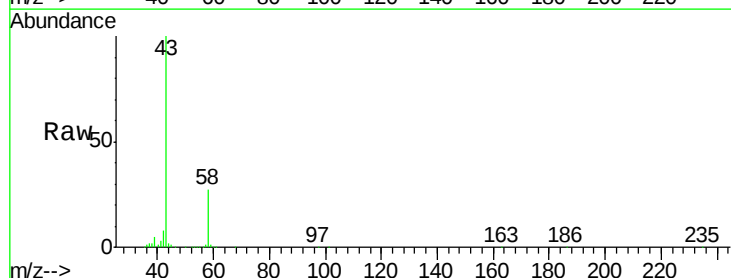
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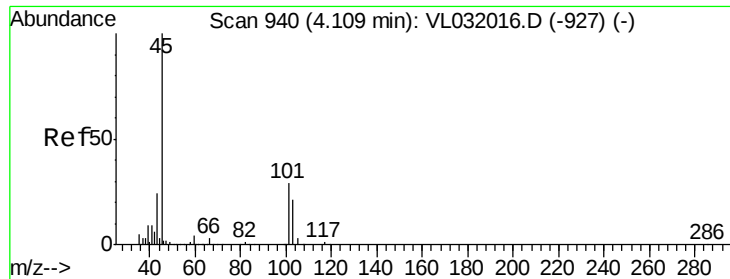
Tgt Ion: 43 Resp: 3791494

Ion Ratio Lower Upper

43 100

58 30.8 20.7 31.1





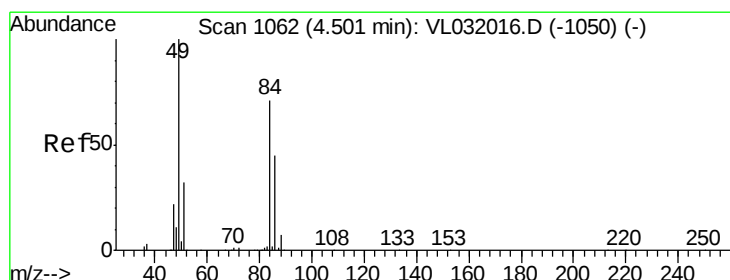
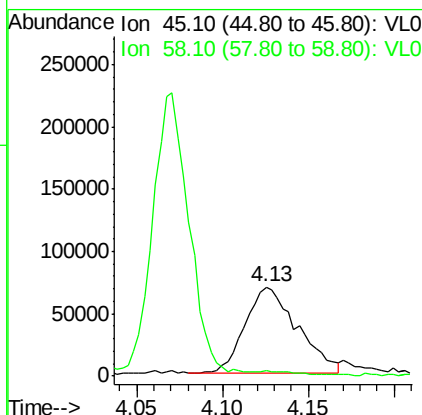
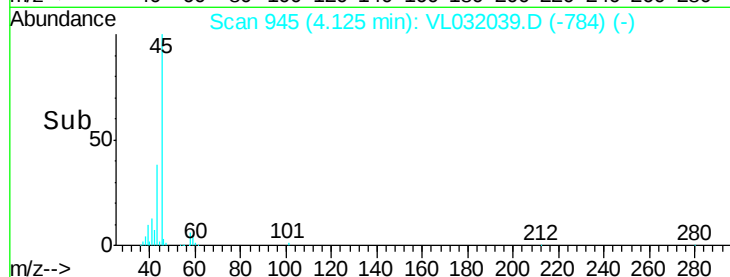
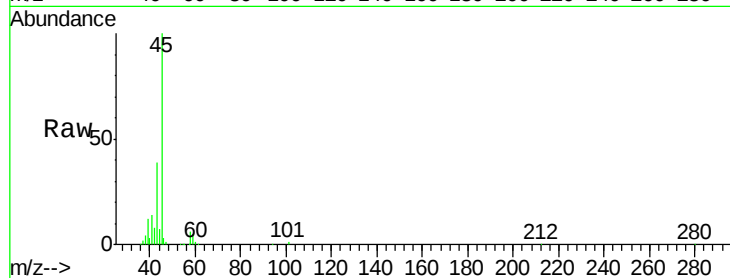
#19
Isopropyl Alcohol
Concen: 1.65 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.02 min
Lab File: VL032039.D
Acq: 2 Jun 2018 2:53

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion: 45 Resp: 146055
Ion Ratio Lower Upper
45 100
58 231.6 1.5 2.3#

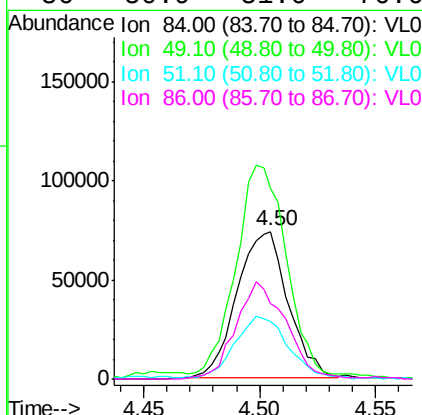
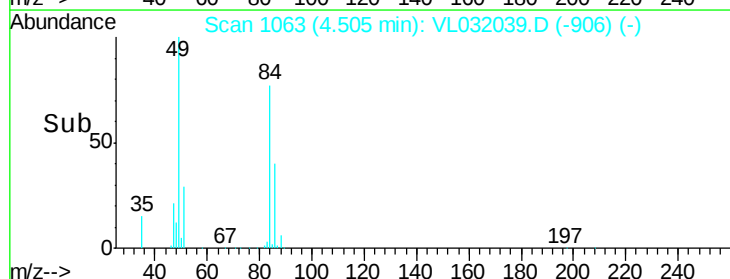
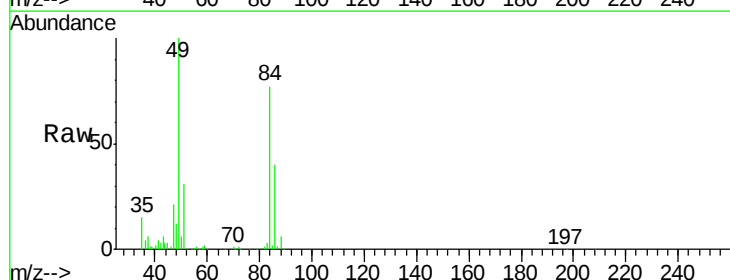
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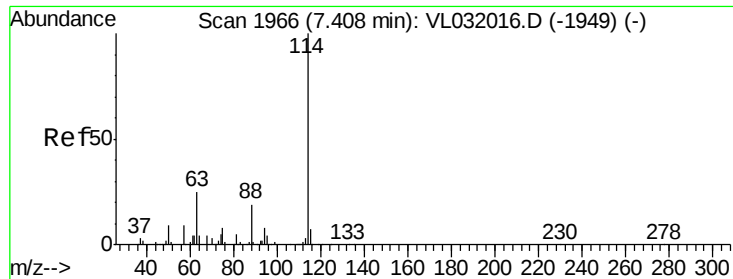
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#20
Methylene Chloride
Concen: 1.86 ppbv
RT: 4.50 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VL032039.D
Acq: 2 Jun 2018 2:53

Tgt Ion: 84 Resp: 113339
Ion Ratio Lower Upper
84 100
49 127.1 113.0 169.4
51 37.9 36.4 54.6
86 50.9 51.0 76.6#





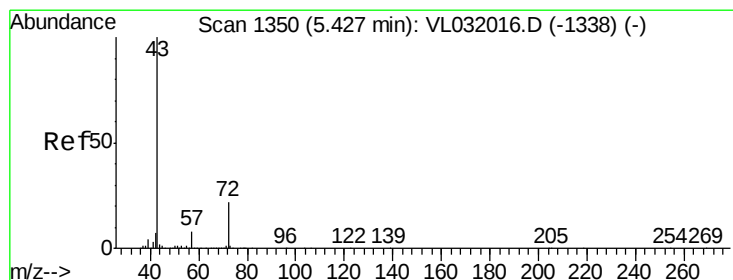
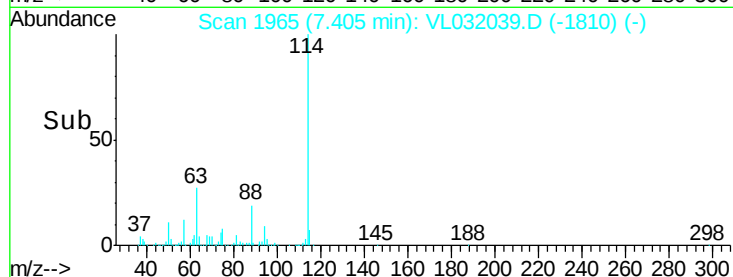
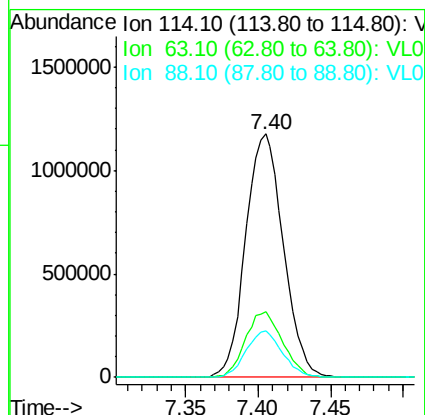
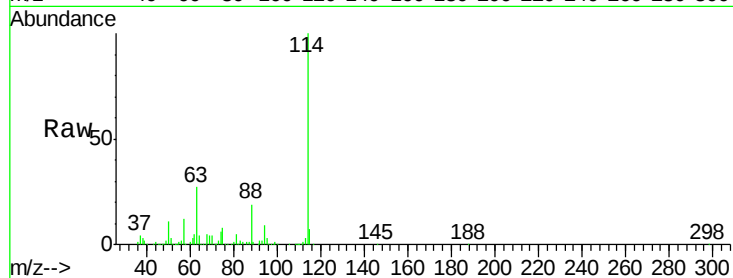
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 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VL032039.D
 Acq: 2 Jun 2018 2:53

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	18.4	14.8	22.2

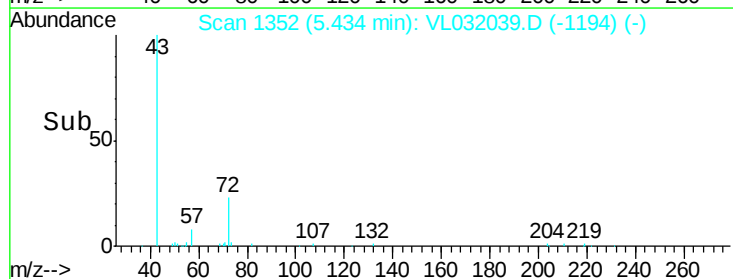
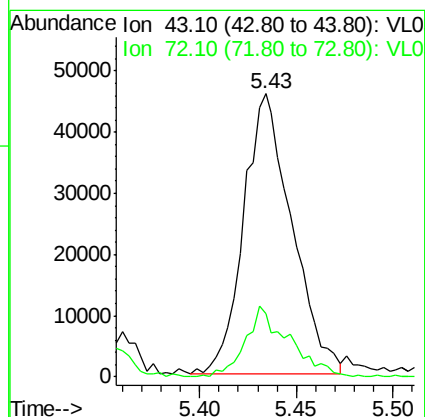
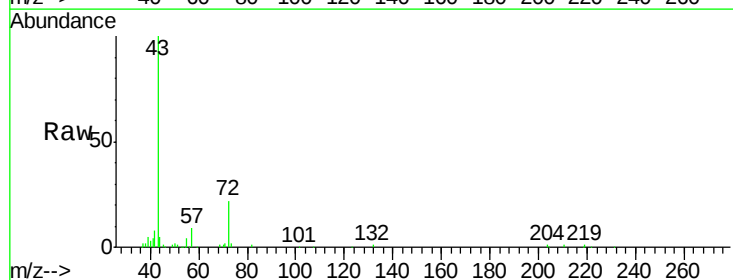
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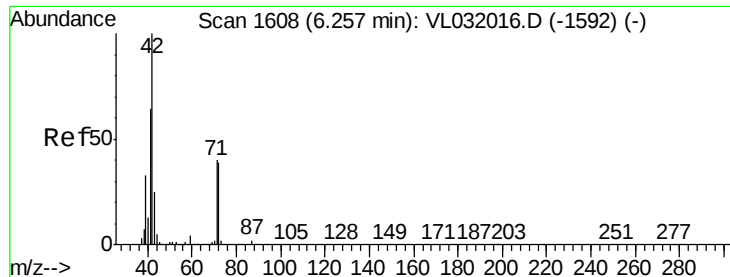
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#34
 2-Butanone
 Concen: 0.47 ppbv
 RT: 5.43 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: VL032039.D
 Acq: 2 Jun 2018 2:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	27.8





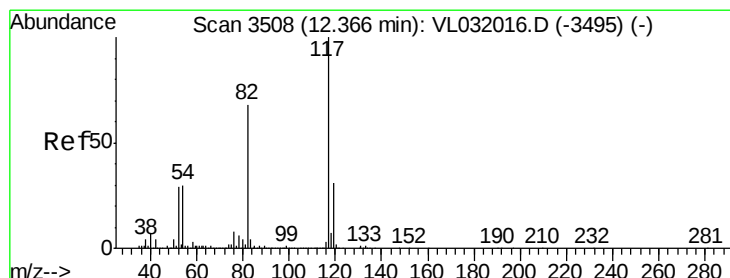
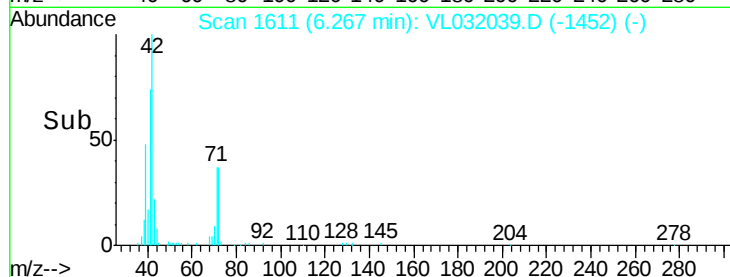
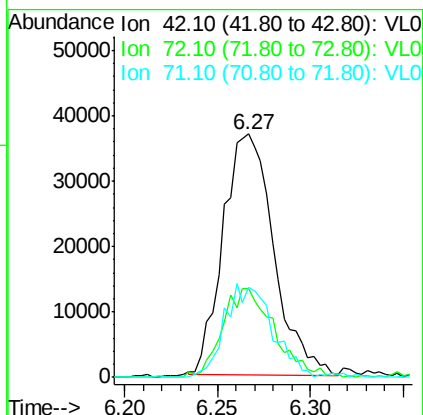
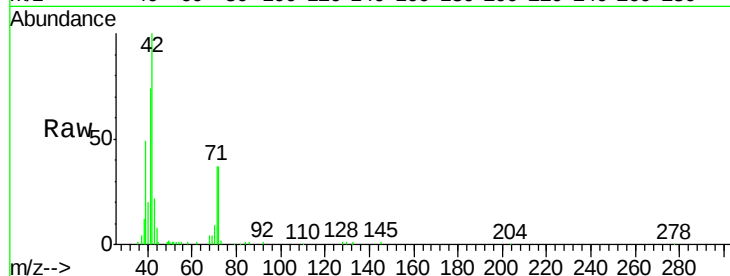
#41
Tetrahydrofuran
Concen: 0.97 ppbv
RT: 6.27 min Scan# 1611
Delta R.T. 0.01 min
Lab File: VL032039.D
Acq: 2 Jun 2018 2:53

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.3	48.5
71	37.1	32.3	48.5

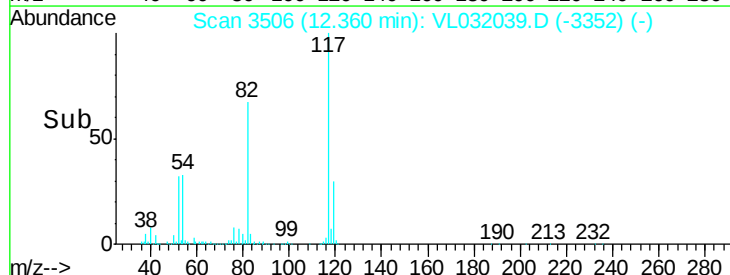
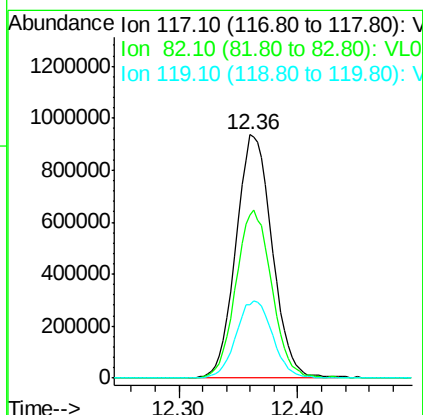
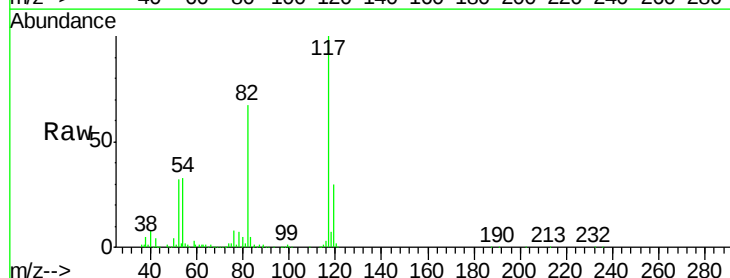
Manual Integrations
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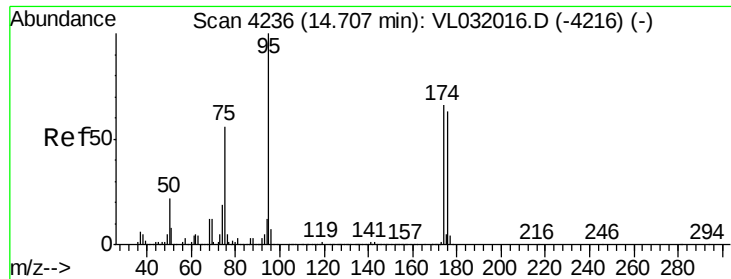
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032039.D
Acq: 2 Jun 2018 2:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	52.7	79.1
119	32.0	25.5	38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.86 ppbv
 RT: 14.70 min Scan# 4234
 Delta R.T. -0.01 min
 Lab File: VL032039.D
 Acq: 2 Jun 2018 2:53

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.2	53.2	79.8
175	4.9	3.7	5.5

Manual Integrations
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