

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032957.D
 Acq On : 11 Dec 2018 16:41
 Operator : SY/AP
 Sample : J6338-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:38 AM

Quant Time: Dec 12 01:04:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1272463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2995663	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3047568	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2273682	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	87065	0.513	ppbv	94
3) Chlorodifluoromethane	3.02	51	43287m	0.449	ppbv	
4) Chloromethane	3.17	50	29351	0.523	ppbv	95
9) Propene	3.05	41	41999m	1.102	ppbv	
11) Trichlorofluoromethane	4.01	101	38860	0.243	ppbv	99
13) Ethanol	3.66	45	2210176	168.459	ppbv	97
15) Acetone	3.91	43	683893	6.262	ppbv	100
20) Methylene Chloride	4.41	84	1636993	30.666	ppbv	96
26) Hexane	5.78	57	171149	1.437	ppbv #	65
29) Chloroform	5.85	83	47823	0.225	ppbv	95
34) 2-Butanone	5.34	43	527518	4.043	ppbv	99
36) Benzene	7.01	78	46467	0.211	ppbv #	90
41) Tetrahydrofuran	6.16	42	144116	1.776	ppbv	97
52) Tetrachloroethene	11.38	164	1336753	16.679	ppbv	99
53) Toluene	9.95	91	572946	2.452	ppbv	99
60) o-Xylene	13.86	91	37203	0.125	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	122397	0.334	ppbv #	67

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

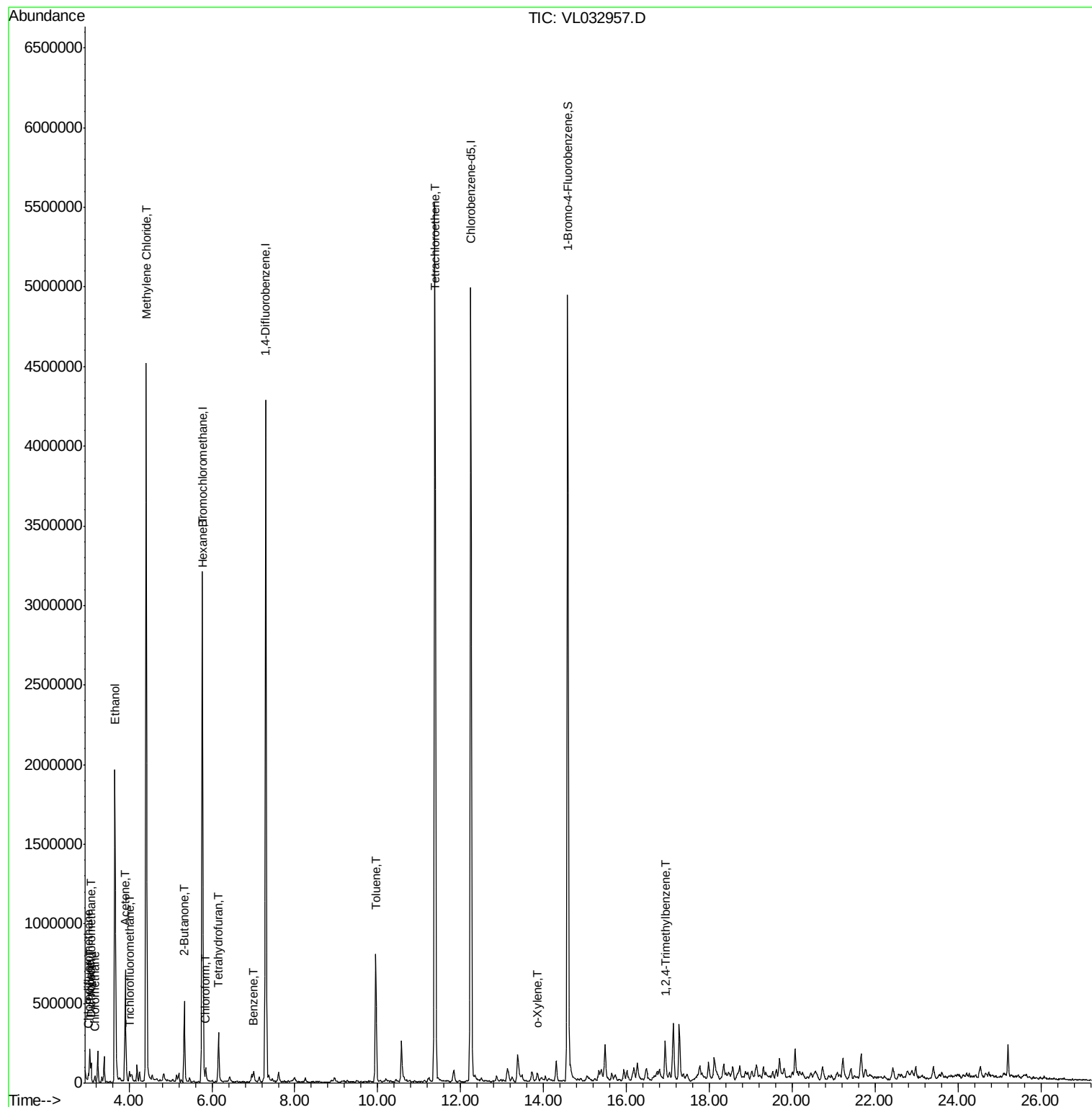
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032957.D
Acq On : 11 Dec 2018 16:41
Operator : SY/AP
Sample : J6338-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

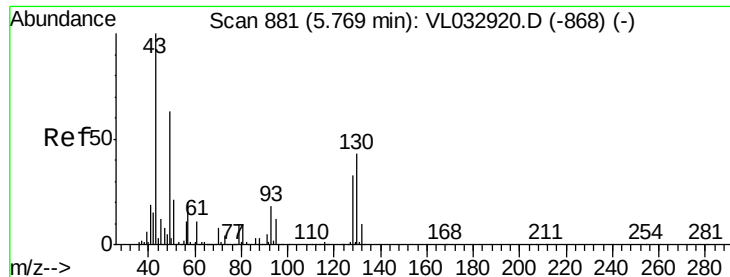
Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
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12/13/2018 7:58:38 AM

Quant Time: Dec 12 01:04:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032957.D

Acq: 11 Dec 2018 16:41

Instrument :

MSVOA_L

ClientSampled :

IA1

Tot Ion: 49 Resp: 1272463

Ion Ratio Lower Upper

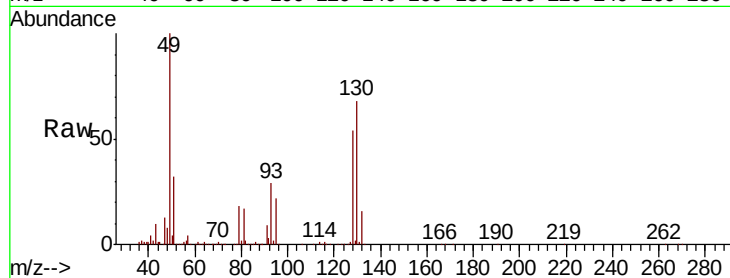
49 100

128 51.6 26.3 78.8

130 65.6 33.9 101.7

Manual Integrations
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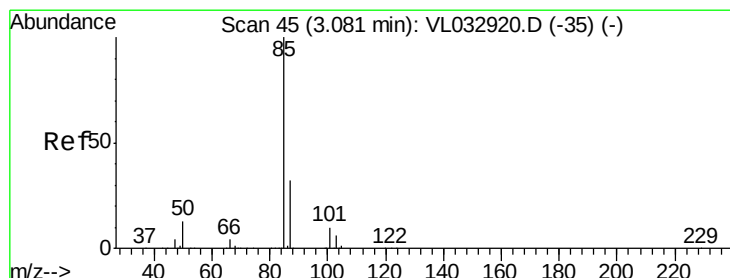
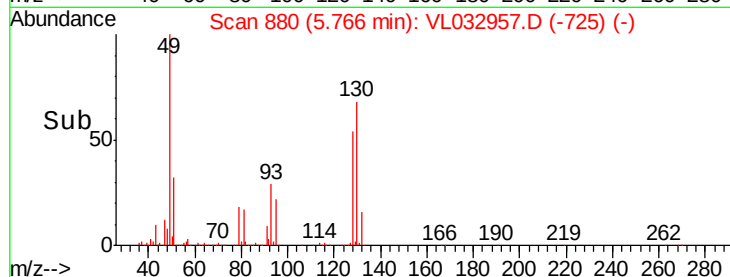
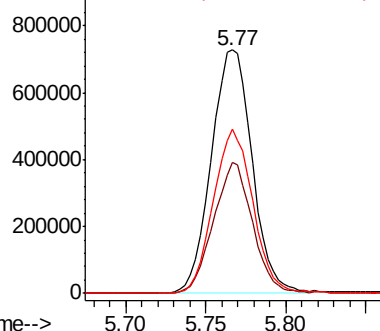
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.513 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032957.D

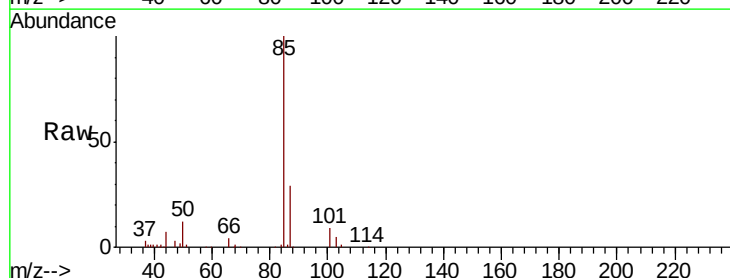
Acq: 11 Dec 2018 16:41

Tgt Ion: 85 Resp: 87065

Ion Ratio Lower Upper

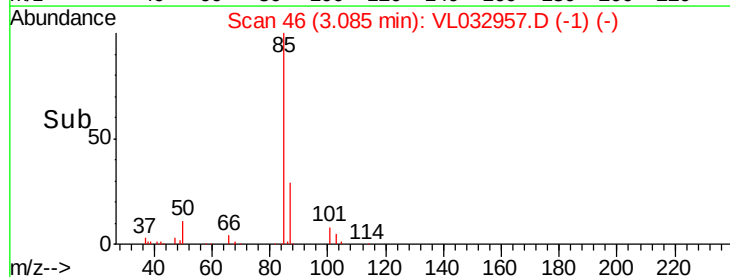
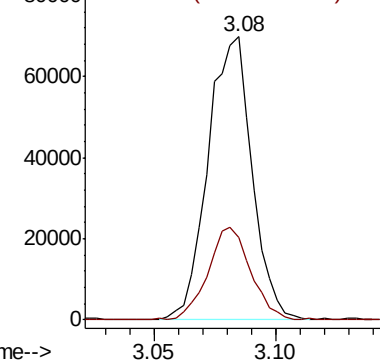
85 100

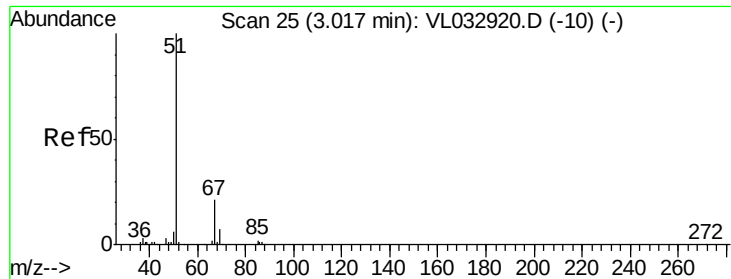
87 28.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.449 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032957.D

Acq: 11 Dec 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tot Ion: 51 Resp: 43287

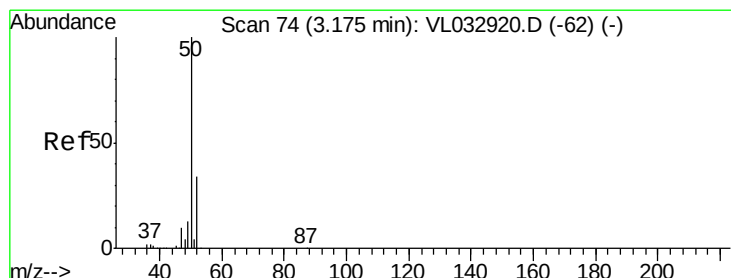
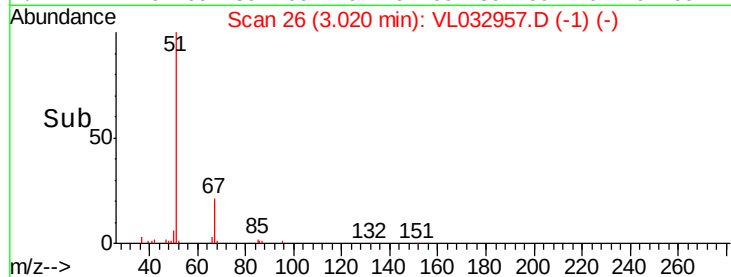
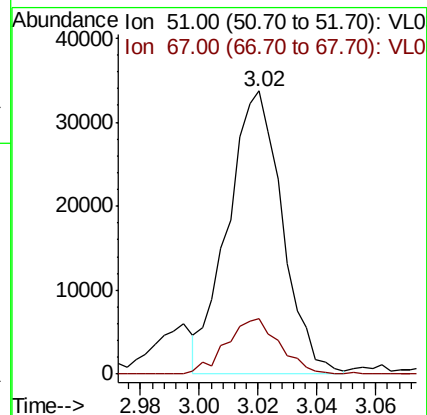
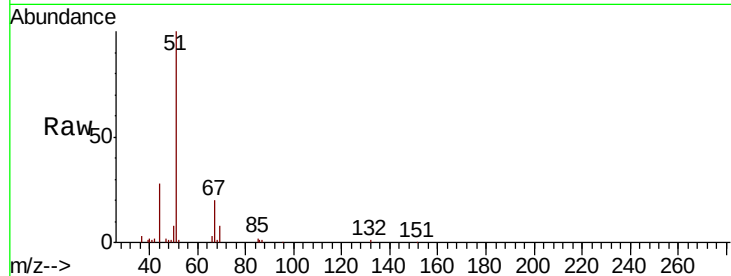
Ion Ratio Lower Upper

51 100

67 19.3 16.8 25.2

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#4

Chloromethane

Concen: 0.523 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032957.D

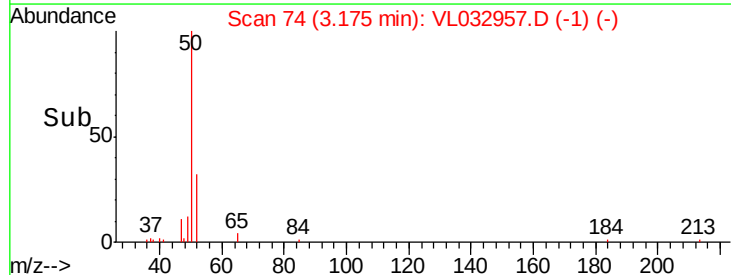
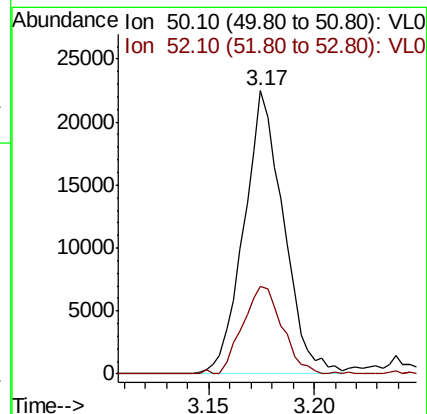
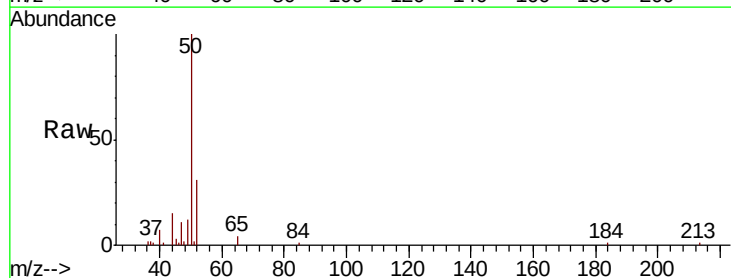
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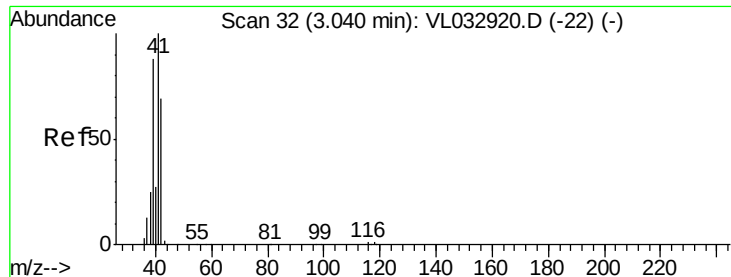
Tgt Ion: 50 Resp: 29351

Ion Ratio Lower Upper

50 100

52 31.1 27.3 40.9





#9

Propene

Concen: 1.102 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032957.D

Acq: 11 Dec 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tot Ion: 41 Resp: 41999

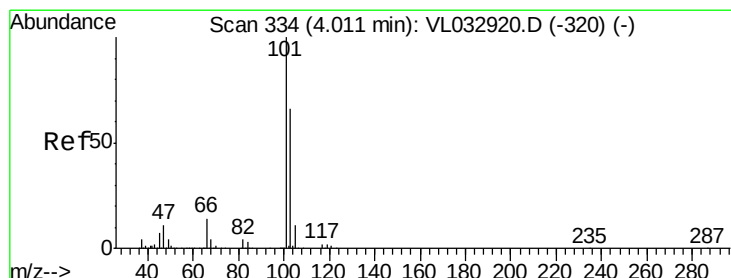
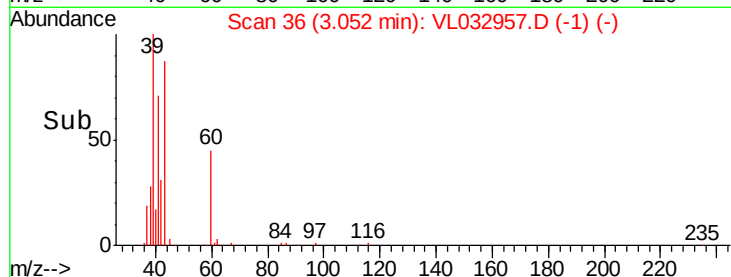
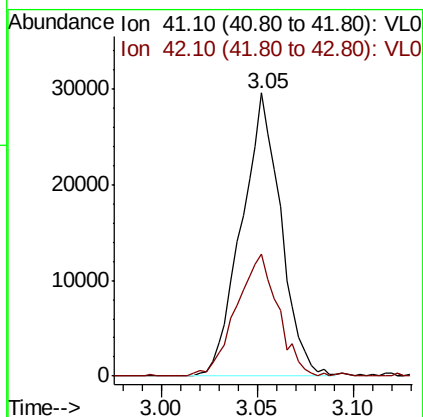
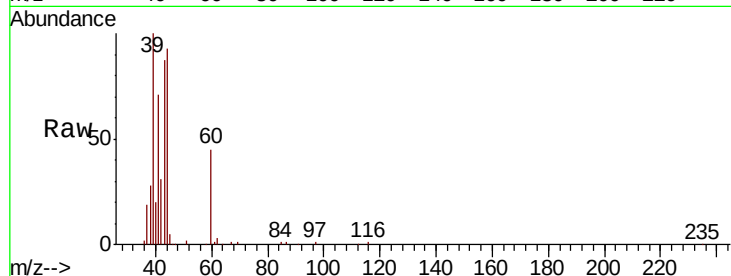
Ion Ratio Lower Upper

41 100

42 77.4 56.2 84.2

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#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032957.D

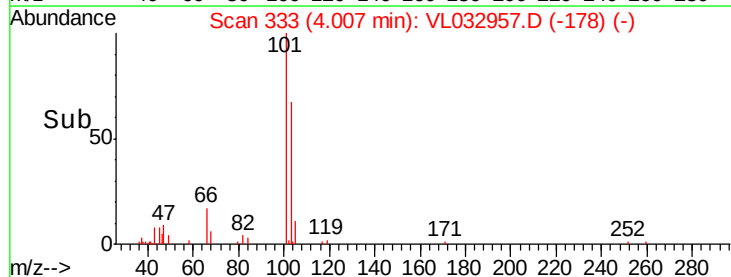
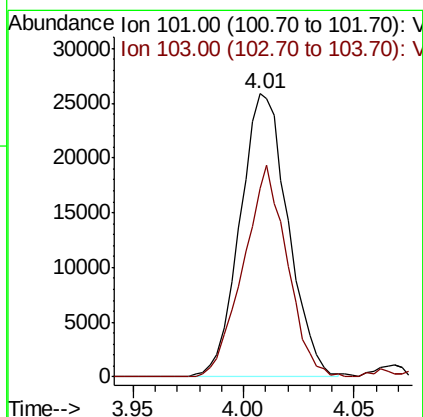
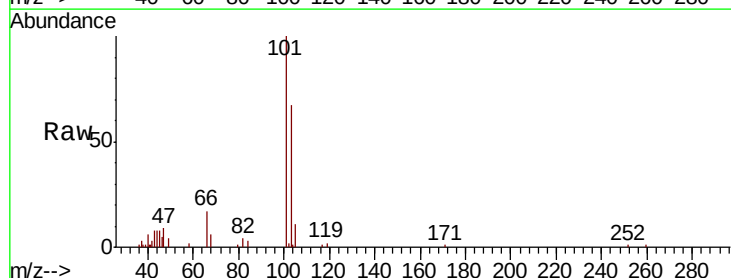
Acq: 11 Dec 2018 16:41

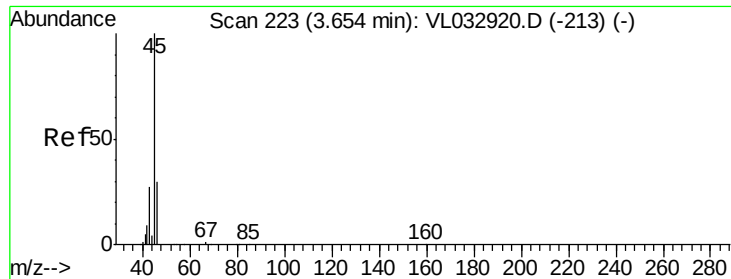
Tgt Ion: 101 Resp: 38860

Ion Ratio Lower Upper

101 100

103 66.6 52.7 79.1





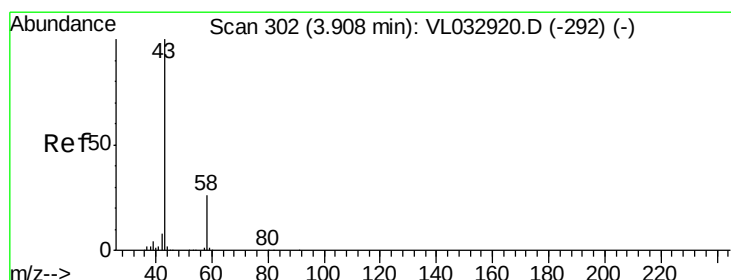
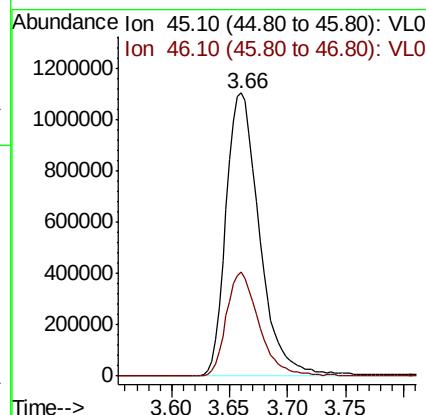
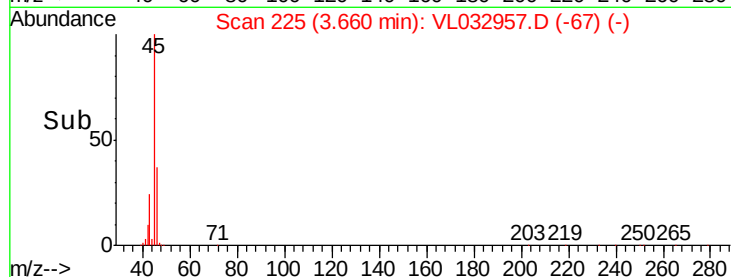
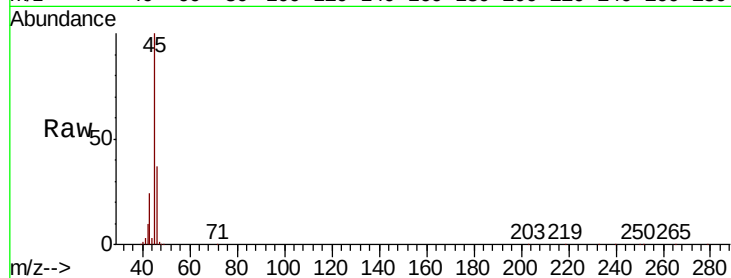
#13
Ethanol
Concen: 168.459 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tot Ion: 45 Resp: 2210176
Ion Ratio Lower Upper
45 100
46 36.2 13.8 55.4

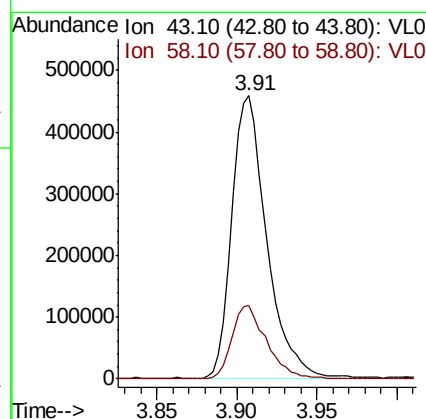
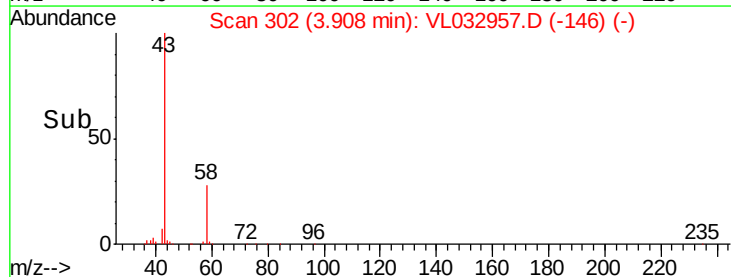
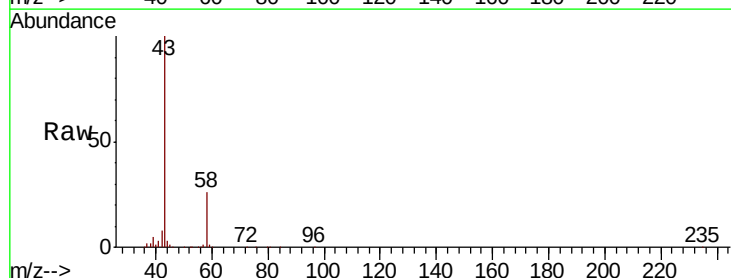
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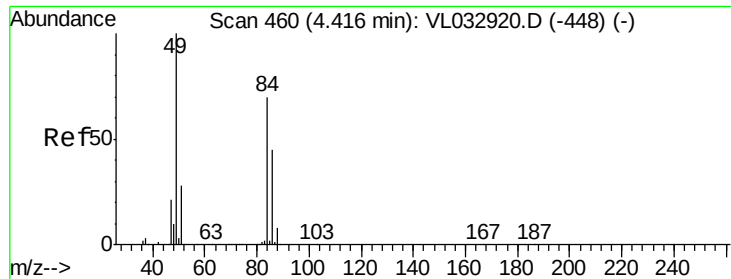
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#15
Acetone
Concen: 6.262 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 43 Resp: 683893
Ion Ratio Lower Upper
43 100
58 25.9 20.6 30.8





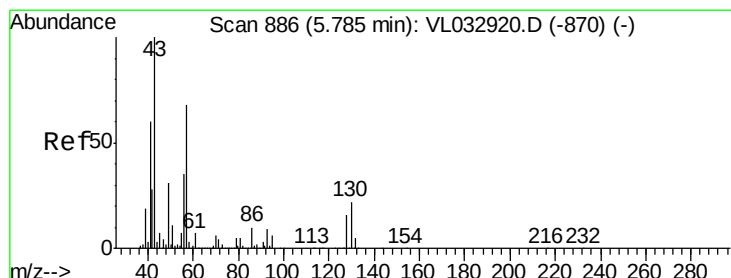
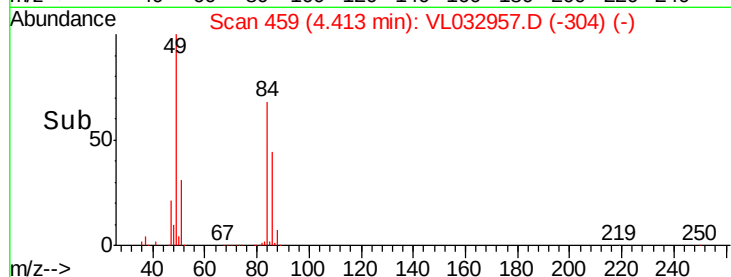
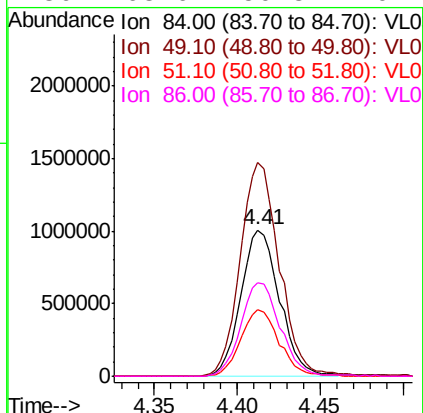
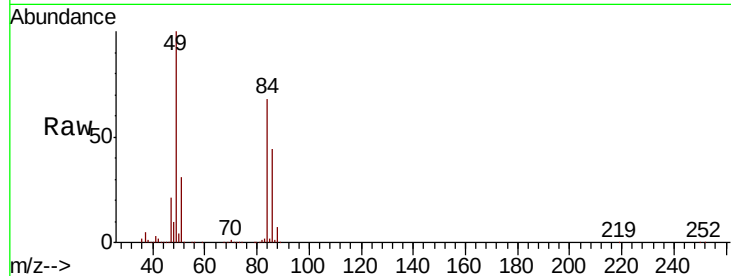
#20
Methvlene Chloride
Concen: 30.666 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion:	84	Resp:	1636993
Ion	Ratio	Lower	Upper
84	100		
49	146.3	113.8	170.8
51	45.9	31.8	47.8
86	63.6	50.8	76.2

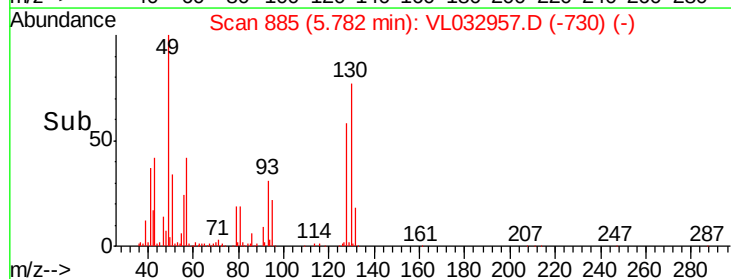
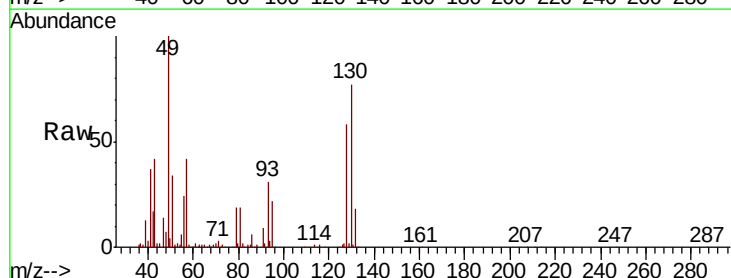
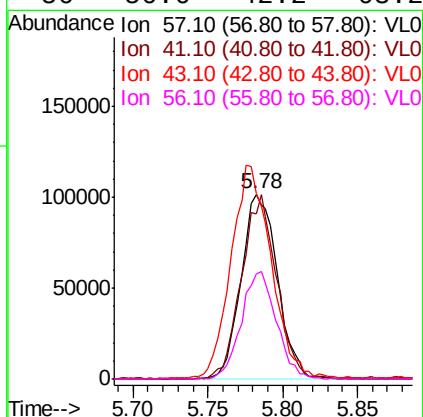
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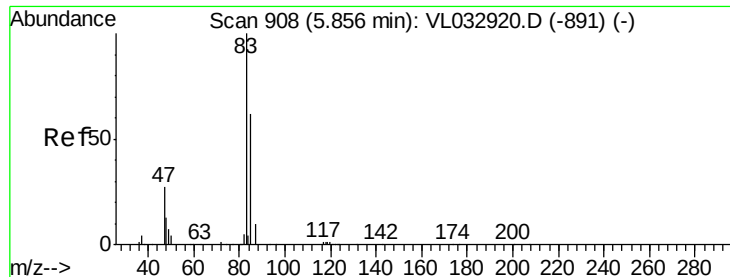
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#26
Hexane
Concen: 1.437 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion:	57	Resp:	171149
Ion	Ratio	Lower	Upper
57	100		
41	97.2	72.2	108.2
43	128.9	171.9	257.9#
56	56.6	42.2	63.2





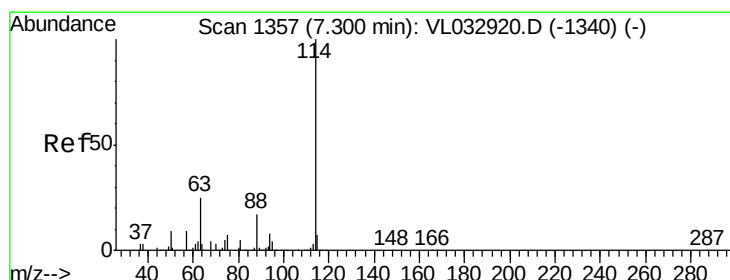
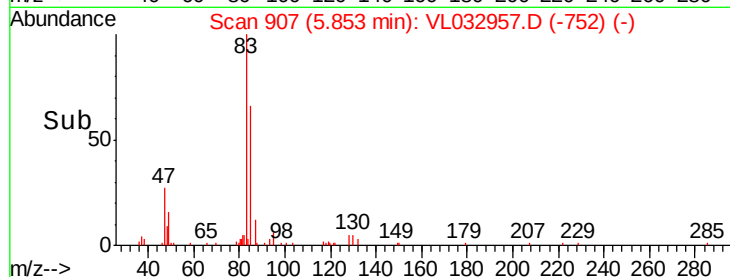
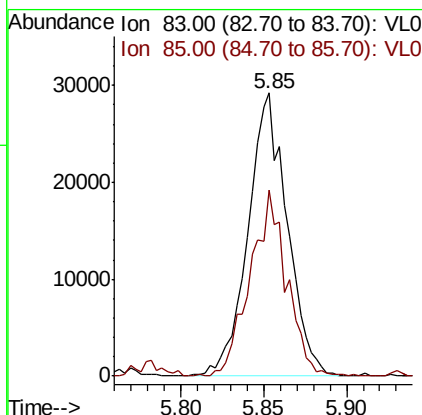
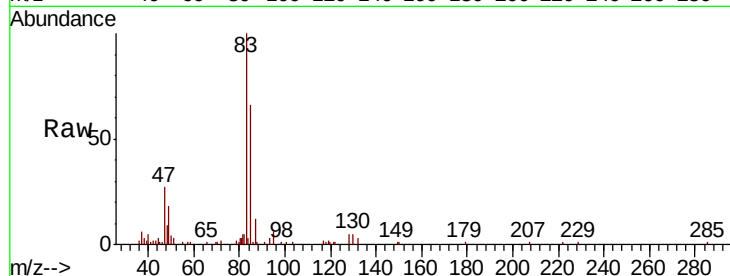
#29
Chloroform
Concen: 0.225 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tot Ion: 83 Resp: 47823
Ion Ratio Lower Upper
83 100
85 65.9 49.8 74.8

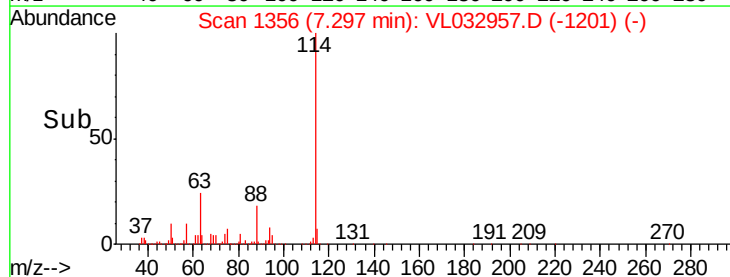
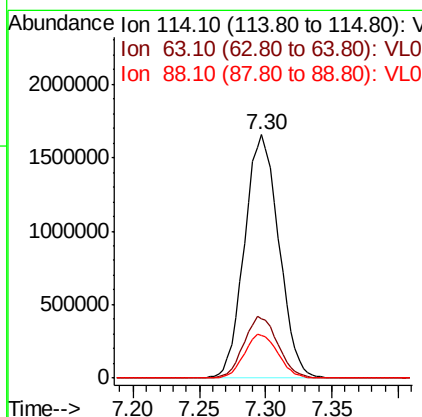
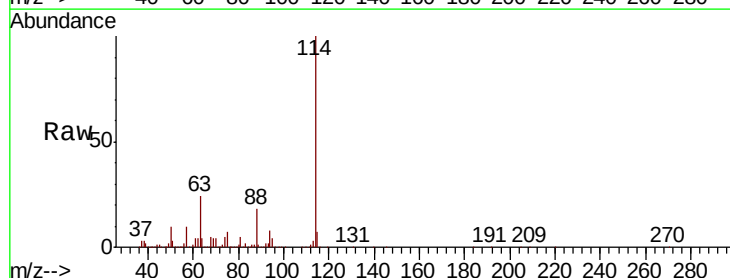
Manual Integrations
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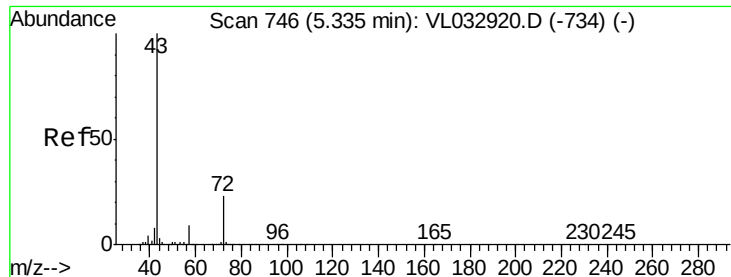
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 114 Resp: 2995663
Ion Ratio Lower Upper
114 100
63 25.1 20.1 30.1
88 17.8 14.2 21.4





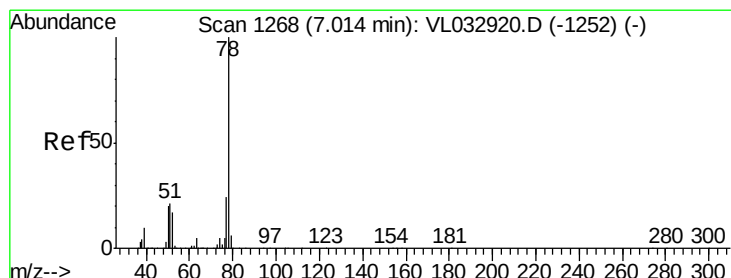
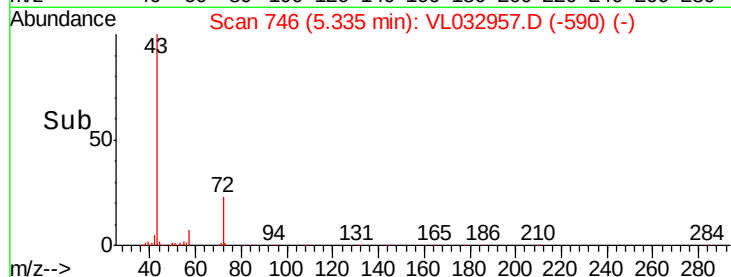
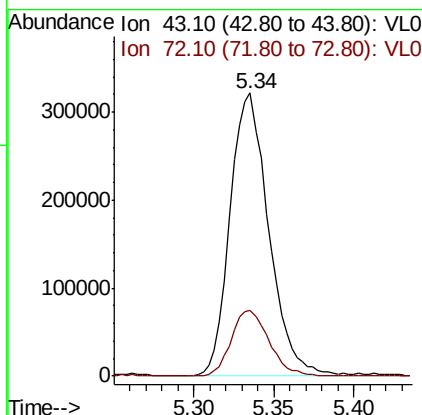
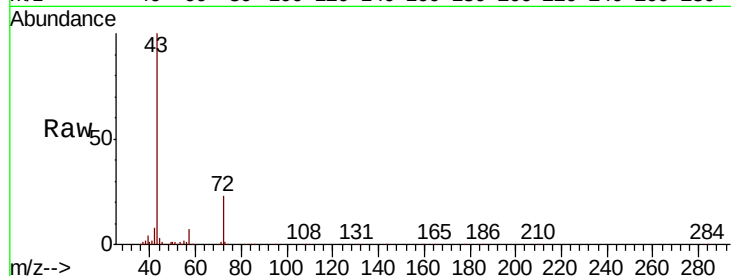
#34
2-Butanone
Concen: 4.043 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.8	28.2

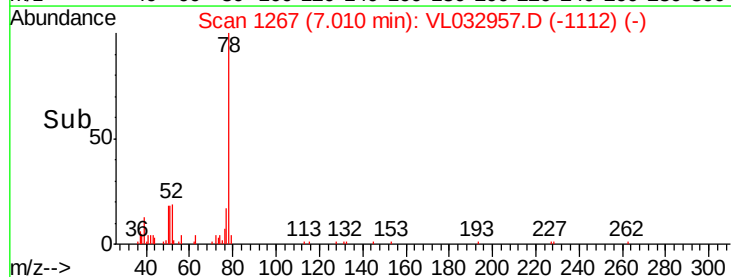
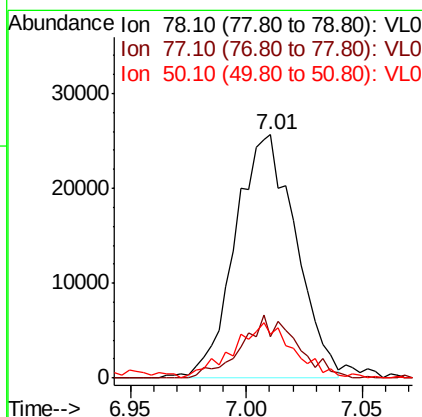
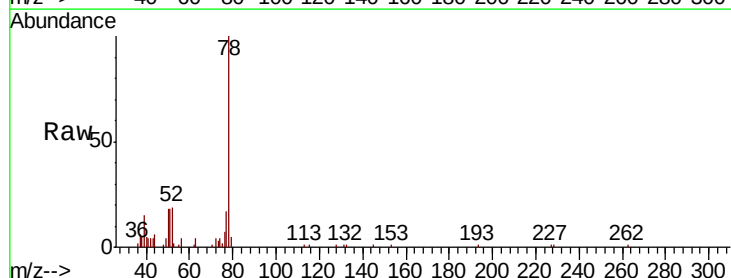
Manual Integrations
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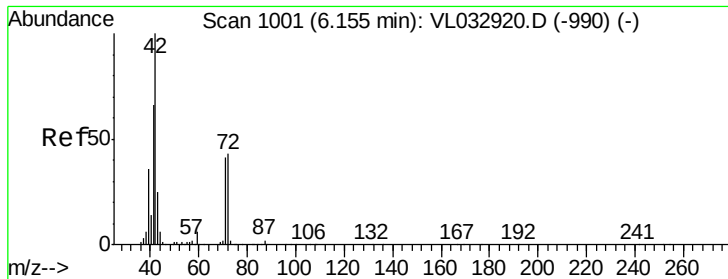
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#36
Benzene
Concen: 0.211 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.2	18.9	28.3#
50	17.2	16.1	24.1





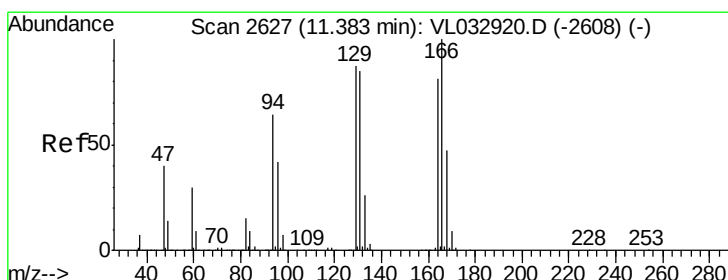
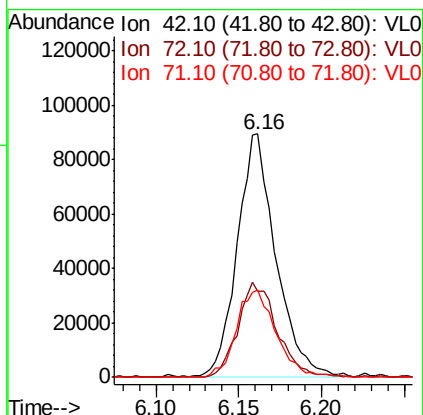
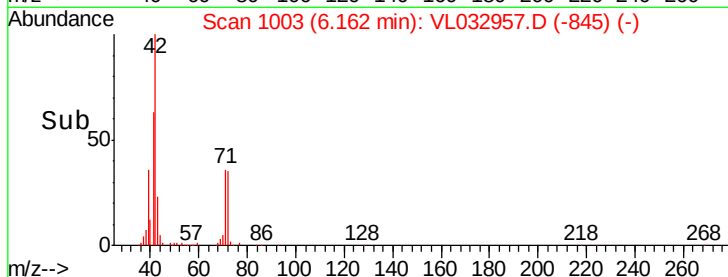
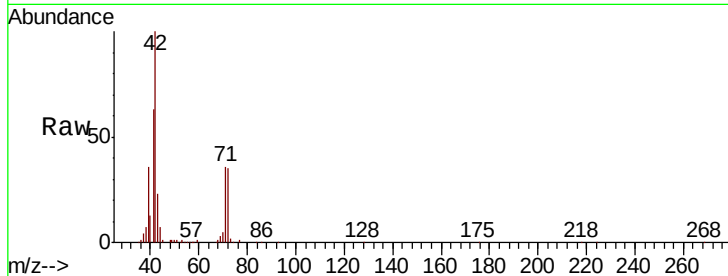
#41
Tetrahydrofuran
Concen: 1.776 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.9	49.3
71	37.2	32.0	48.0

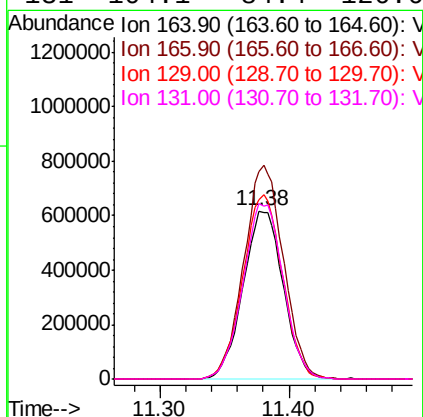
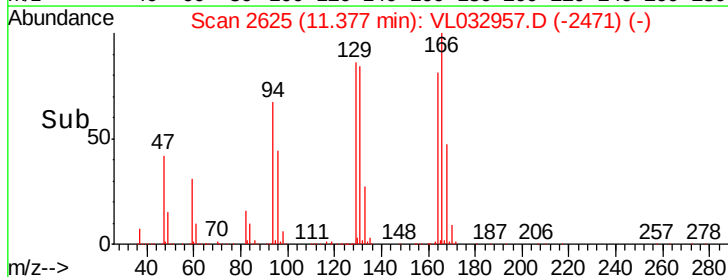
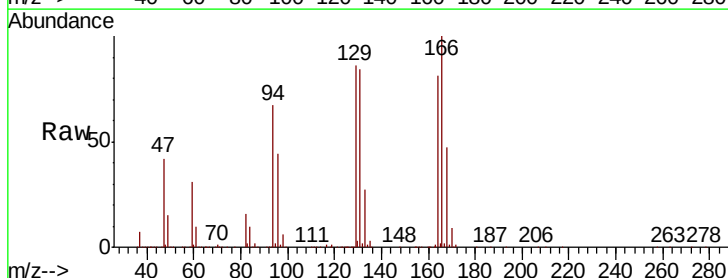
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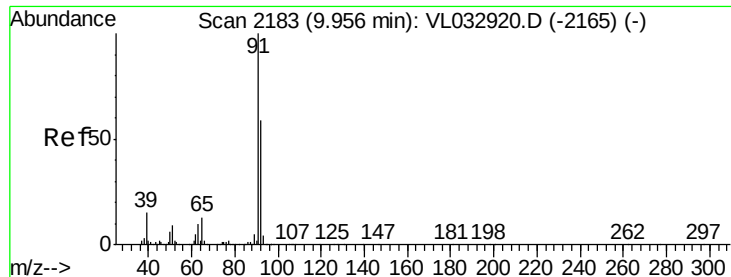
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#52
Tetrachloroethene
Concen: 16.679 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	98.8	148.2
129	106.5	85.5	128.3
131	104.1	84.4	126.6





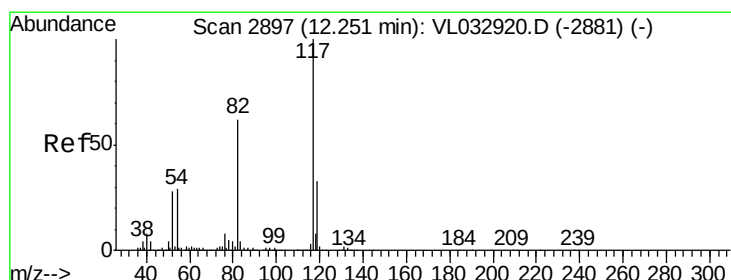
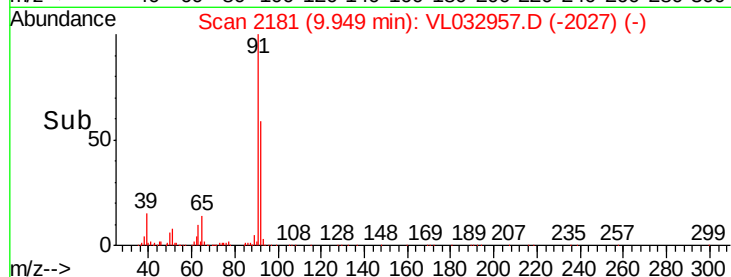
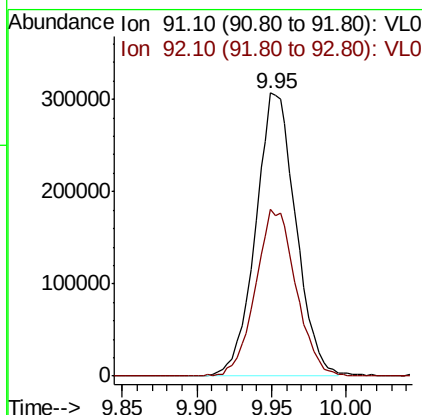
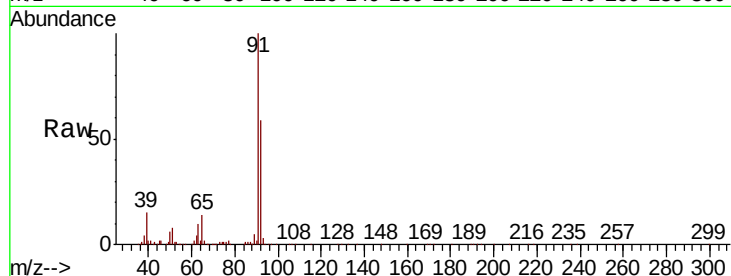
#53
Toluene
Concen: 2.452 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tot Ion: 91 Resp: 572946
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.0

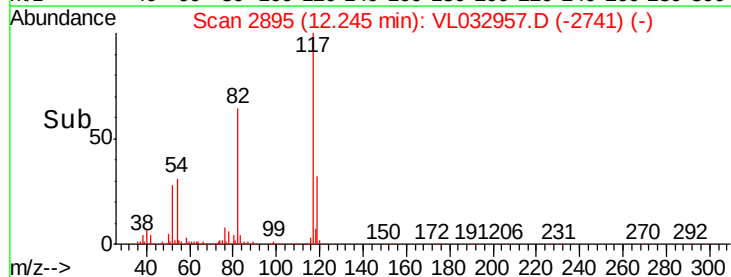
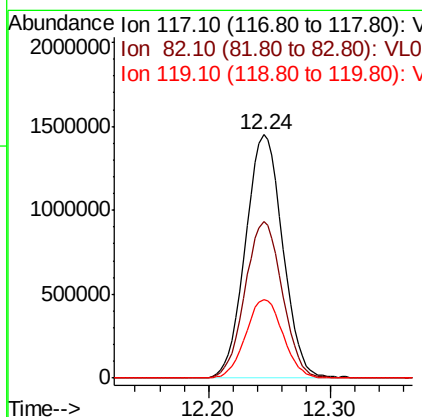
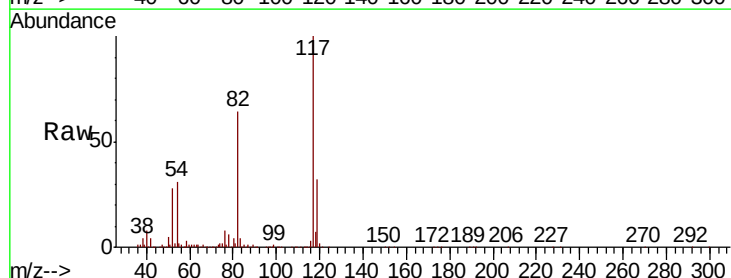
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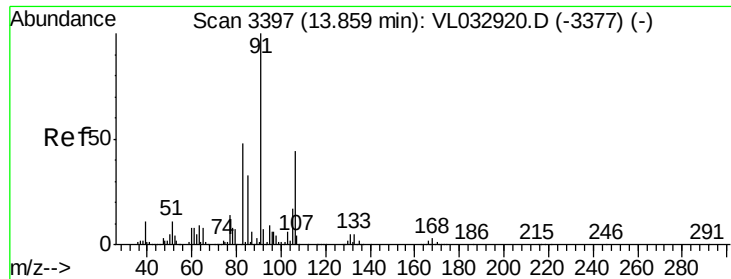
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 117 Resp: 3047568
Ion Ratio Lower Upper
117 100
82 64.6 47.8 71.8
119 32.6 43.1 64.7#





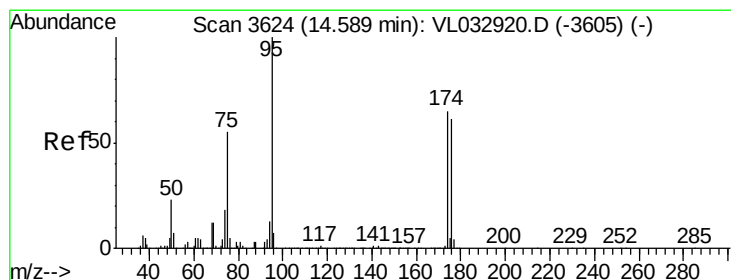
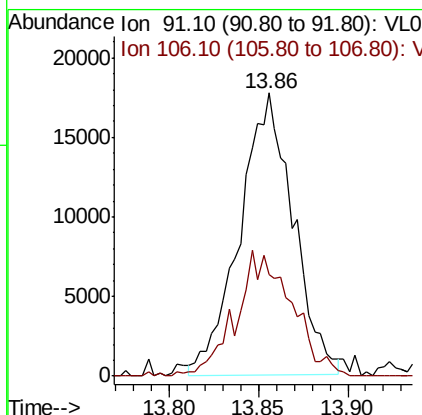
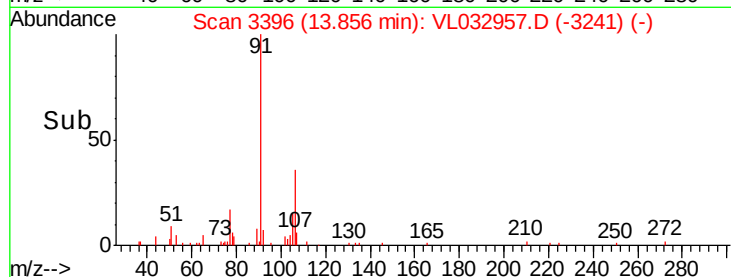
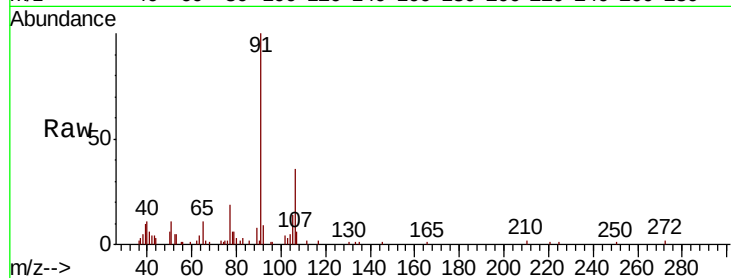
#60
o-Xylene
Concen: 0.125 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion: 91 Resp: 37203
Ion Ratio Lower Upper
91 100
106 46.2 21.9 65.8

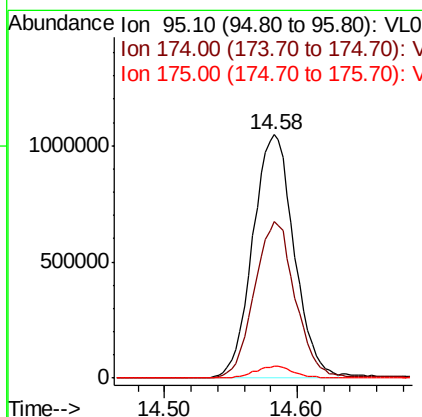
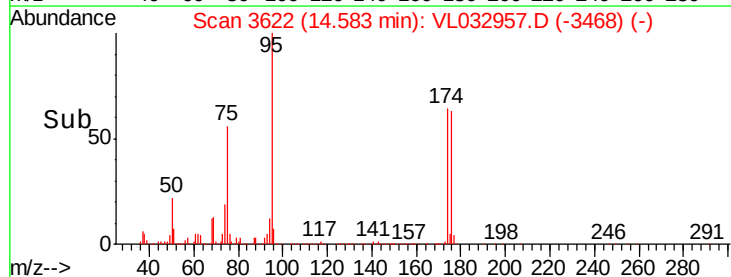
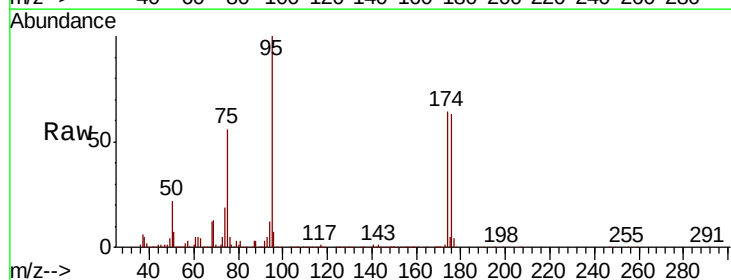
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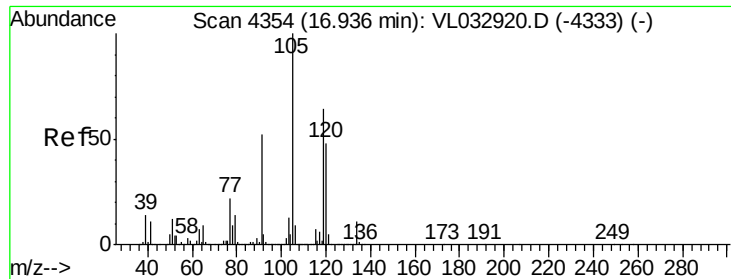
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.099 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032957.D
Acq: 11 Dec 2018 16:41

Tgt Ion: 95 Resp: 2273682
Ion Ratio Lower Upper
95 100
174 64.6 51.4 77.0
175 4.7 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.334 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032957.D
 Acq: 11 Dec 2018 16:41

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
105	105	100		
120	120	40.6	38.6	58.0
91	91	11.0	41.7	62.5#
77	77	12.9	17.4	26.2#

Manual Integrations
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MMDadoda
 12/13/2018 7:58:38 AM

