

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032382.D
 Acq On : 16 Aug 2018 18:22
 Operator : SY/AP
 Sample : J4266-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 3:11:48 PM

Quant Time: Aug 17 03:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1683425	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3401608	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3735411	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3677767	12.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	129.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.04	51	17828	0.11	ppbv	93
5) Vinyl Chloride	3.33	62	1498483	16.94	ppbv	96
13) Ethanol	3.70	45	76084	4.44	ppbv	99
14) Bromoethene	3.83	108	7460	0.14	ppbv #	89
15) Acetone	3.95	43	151138	0.94	ppbv	96
20) Methylene Chloride	4.46	84	204974	3.39	ppbv	96
26) Hexane	5.83	57	92910	0.61	ppbv #	45
29) Chloroform	5.90	83	4661290	20.81	ppbv	98
36) Benzene	7.06	78	3866482	13.41	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2293224	13.11	ppbv	98
39) 1,2-Dichloropropane	7.80	63	2476114	20.55	ppbv	99
52) Tetrachloroethene	11.44	164	1346708	15.83	ppbv	99
54) 1,2-Dibromoethane	10.83	107	4045016	23.75	ppbv	98
57) Chlorobenzene	12.37	112	3196086	11.37	ppbv	99
60) o-Xylene	13.92	91	3758441	10.02	ppbv	97
77) 1,2-Dichlorobenzene	18.06	146	3874682	15.75	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	22330m	0.27	ppbv	
79) Naphthalene	22.50	128	95540	0.56	ppbv	97
80) Naphthalene,2-methyl-	25.17	142	42355	0.50	ppbv	94
81) 1,2,4-Trichlorobenzene	22.21	180	49750m	0.30	ppbv	

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

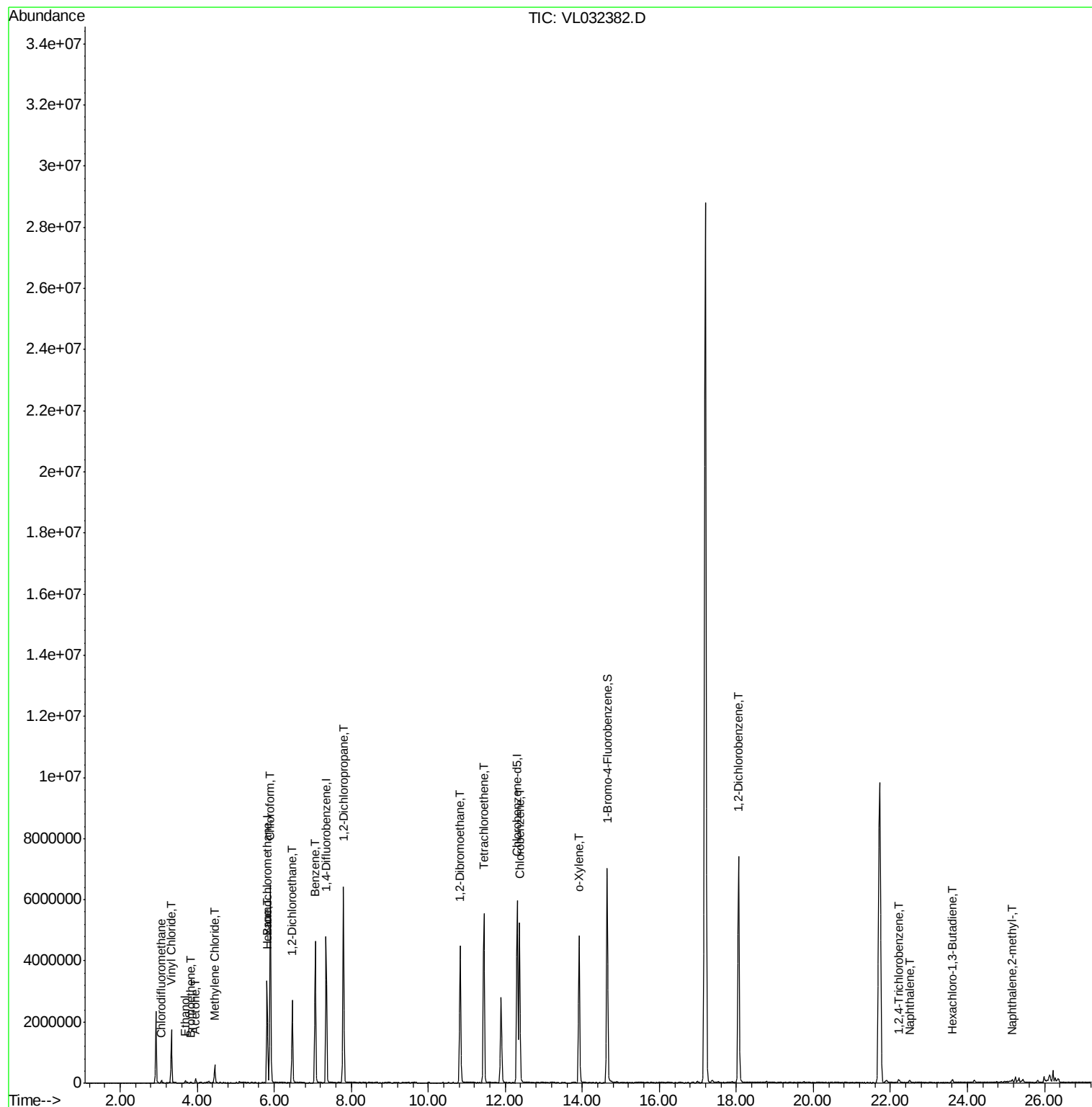
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081618\
Data File : VL032382.D
Acq On : 16 Aug 2018 18:22
Operator : SY/AP
Sample : J4266-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

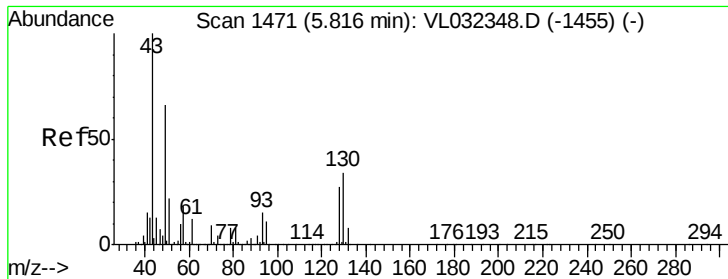
Instrument :
MSVOA_L
ClientSampleId :
1000

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Quant Time: Aug 17 03:40:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

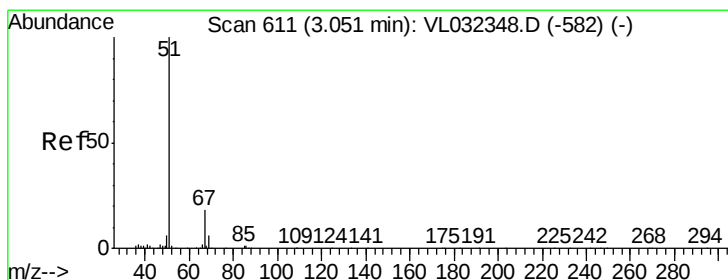
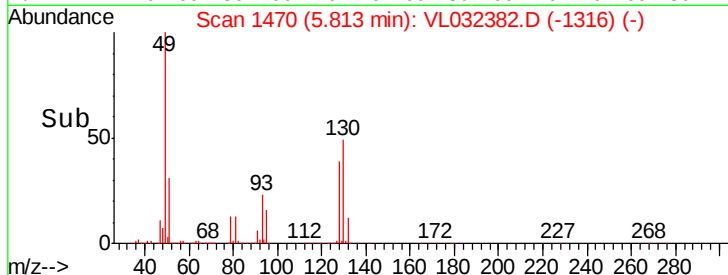
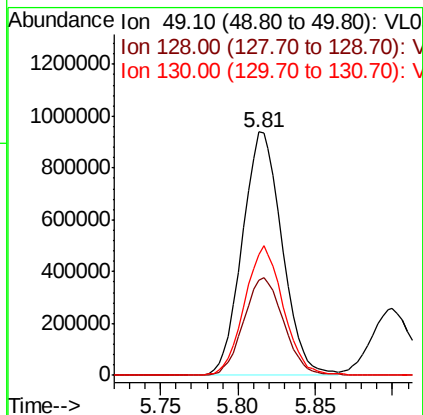
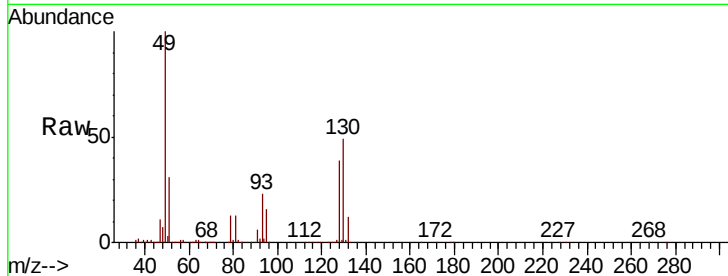
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.81 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tot Ion	49	Resp	1683425
Ion	Ratio	Lower	Upper
49	100		
128	40.5	20.5	61.6
130	52.1	26.2	78.5

Manual Integrations
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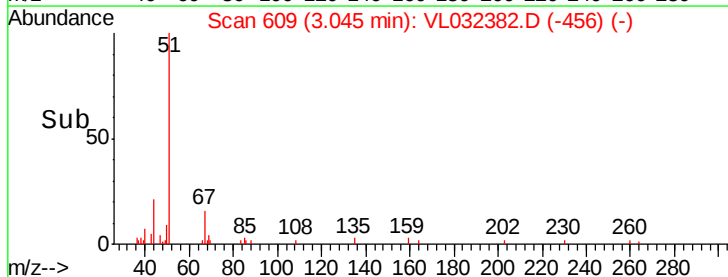
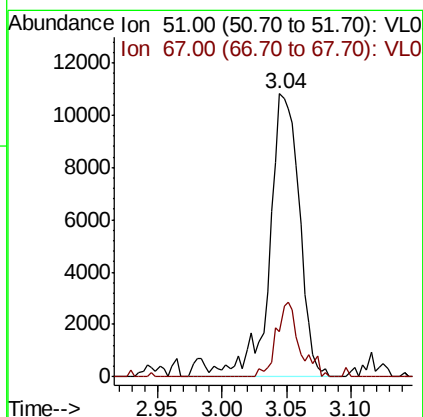
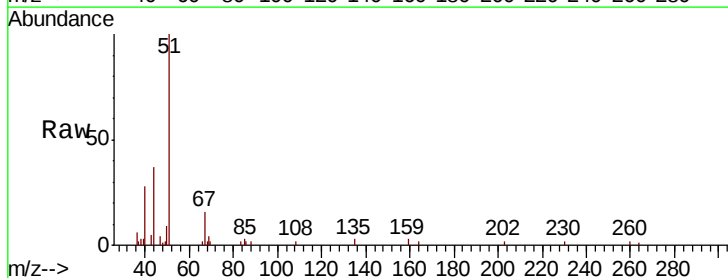
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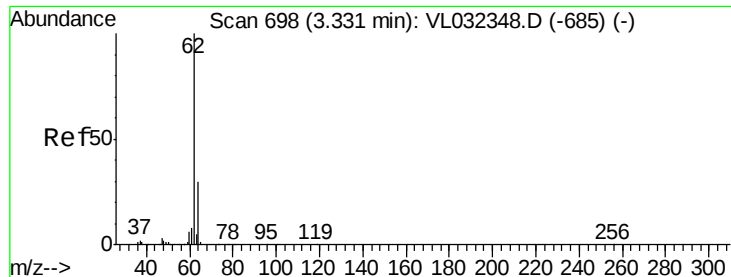


#3

Chlorodifluoromethane
 Concen: 0.11 ppbv
 RT: 3.04 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Tgt Ion	51	Resp	17828
Ion	Ratio	Lower	Upper
51	100		
67	20.3	13.7	20.5





#5

Vinyl Chloride

Concen: 16.94 ppbv

RT: 3.33 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

1000

Tot Ion: 62 Resp: 1498483

Ion Ratio Lower Upper

62 100

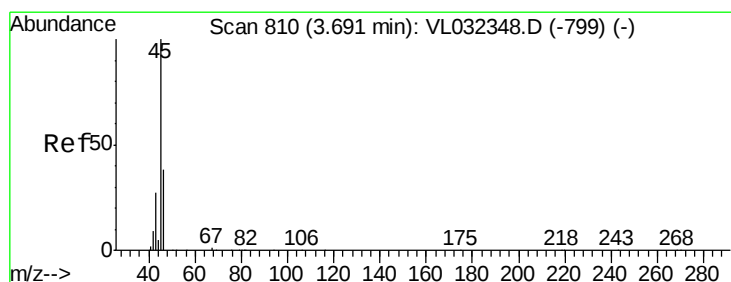
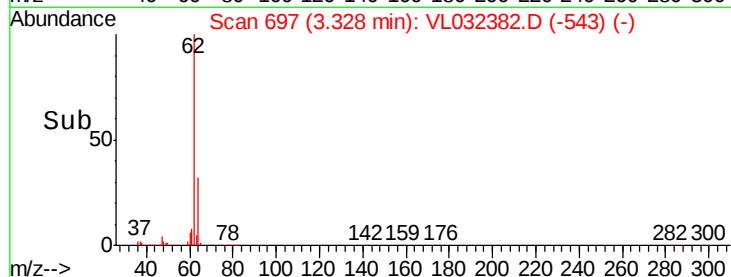
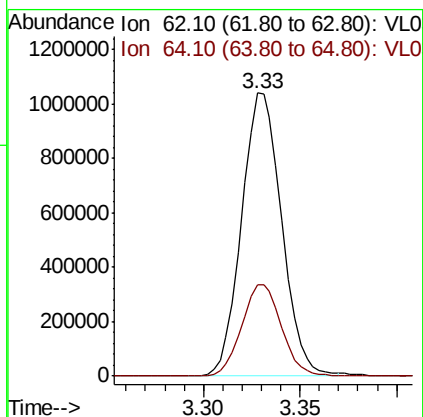
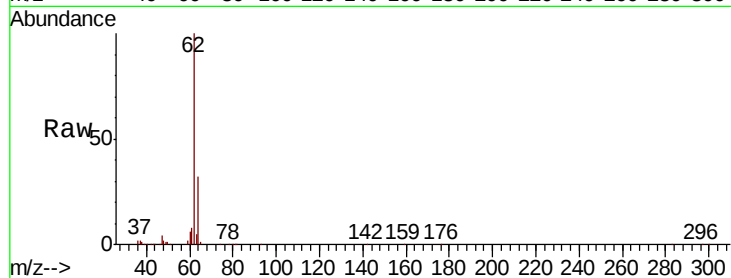
64 32.4 24.2 36.2

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#13

Ethanol

Concen: 4.44 ppbv

RT: 3.70 min Scan# 812

Delta R.T. 0.01 min

Lab File: VL032382.D

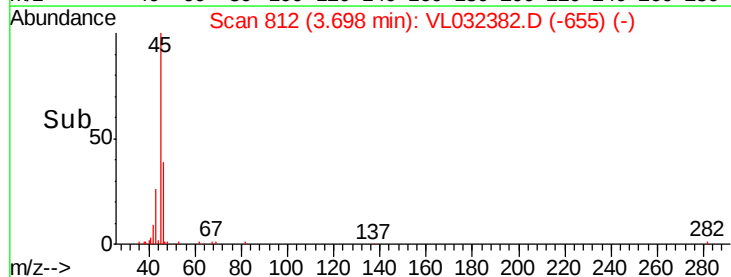
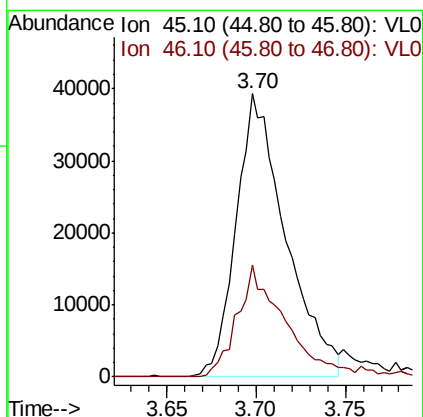
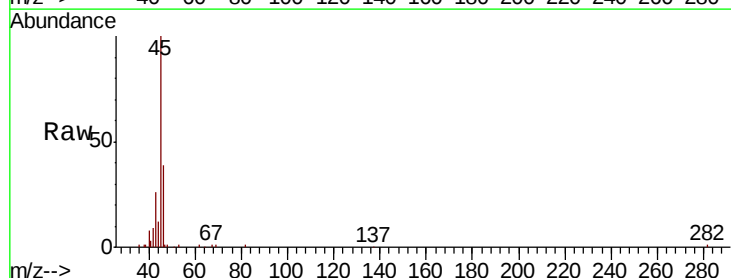
Acq: 16 Aug 2018 18:22

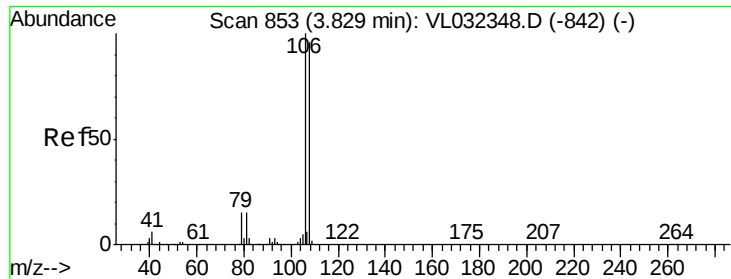
Tgt Ion: 45 Resp: 76084

Ion Ratio Lower Upper

45 100

46 39.7 15.6 62.4





#14

Bromoethene

Concen: 0.14 ppbv

RT: 3.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Instrument :

MSVOA_L

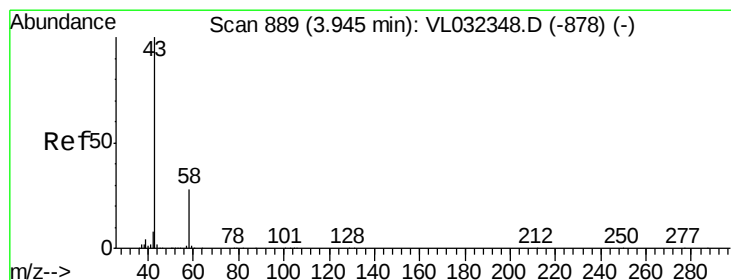
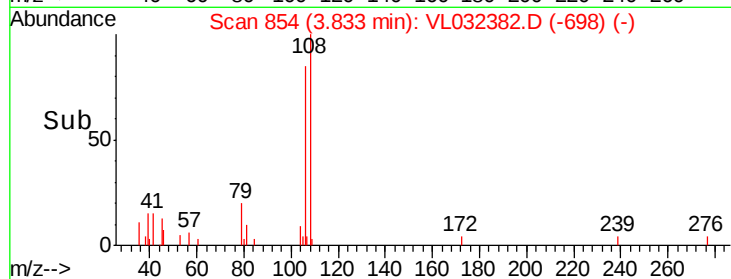
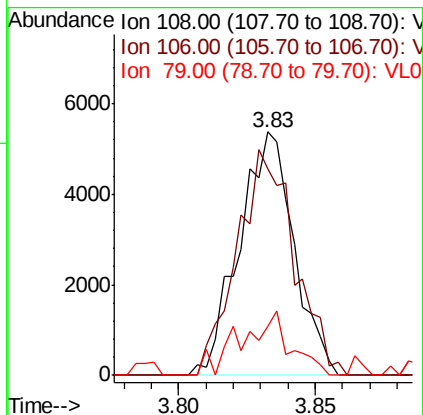
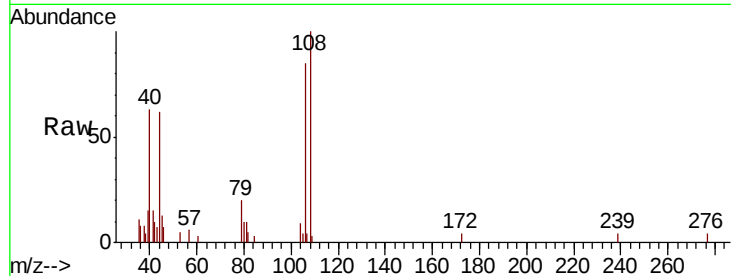
ClientSampleId :

1000

Tot Ion:	108	Resp:	7460
Ion Ratio	Lower	Upper	
108	100		
106	97.6	85.7	128.5
79	26.4	13.1	19.7#

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#15

Acetone

Concen: 0.94 ppbv

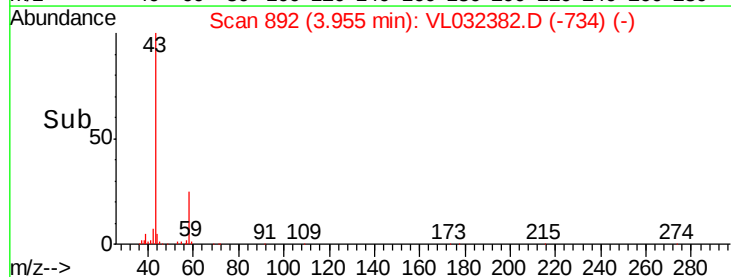
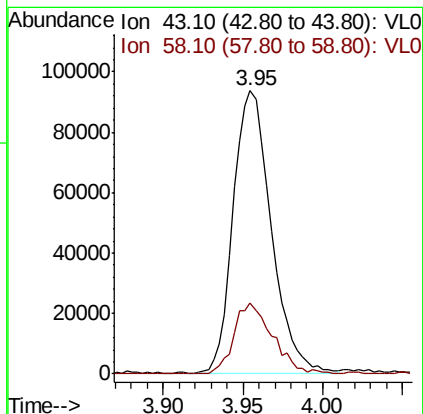
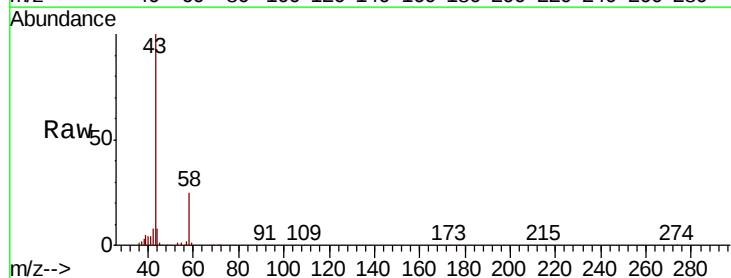
RT: 3.95 min Scan# 892

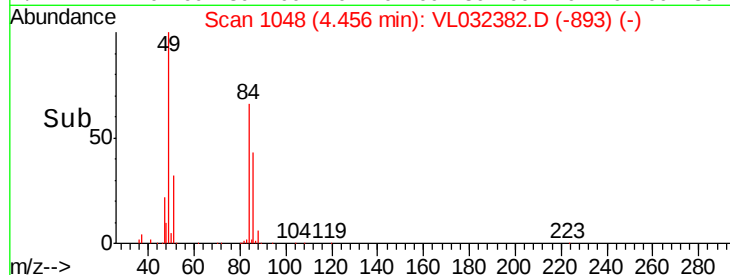
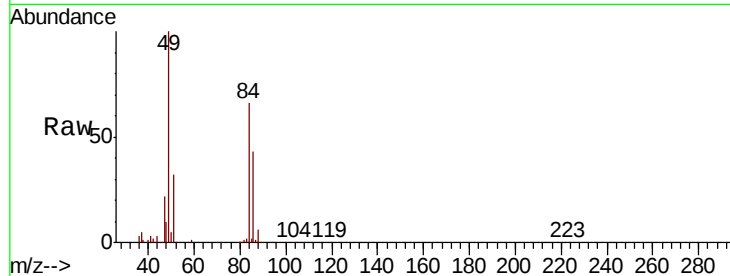
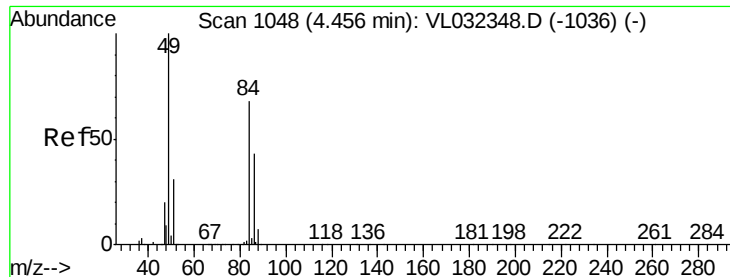
Delta R.T. 0.01 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Tgt Ion:	43	Resp:	151138
Ion Ratio	Lower	Upper	
43	100		
58	25.9	22.4	33.6





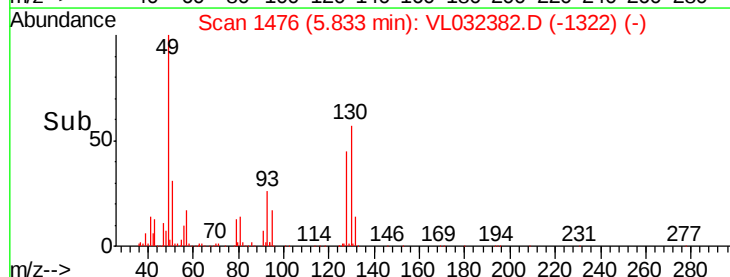
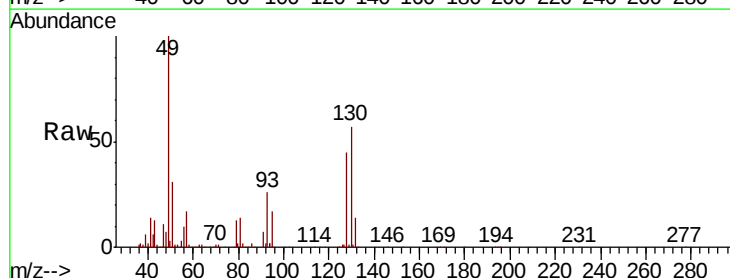
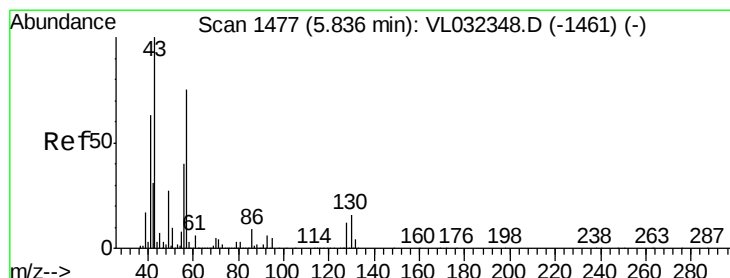
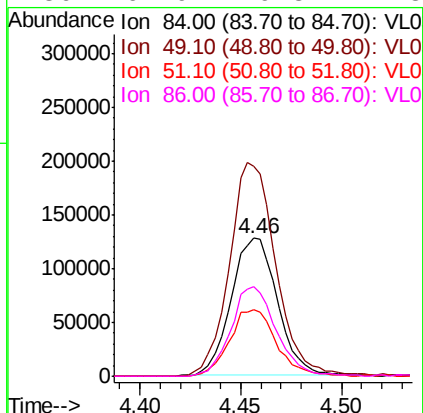
#20
Methvlene Chloride
Concen: 3.39 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	151.7		117.3	175.9	
51	48.6		36.6	55.0	
86	64.9		49.8	74.8	

Instrument :
MSVOA_L
ClientSampleId :
1000

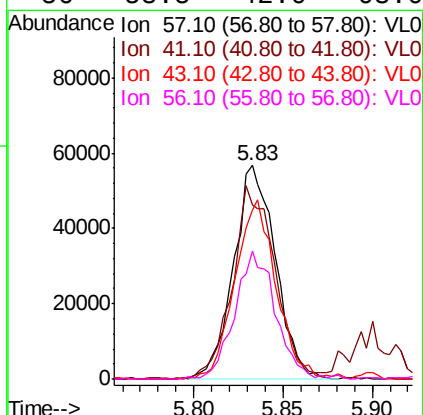
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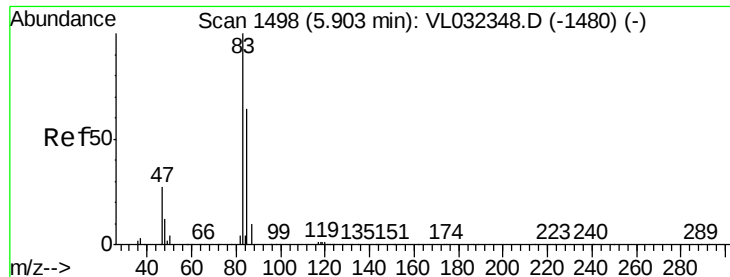
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#26
Hexane
Concen: 0.61 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	92.8		68.0	102.0	
43	84.4		175.3	262.9	
56	58.5		42.0	63.0	





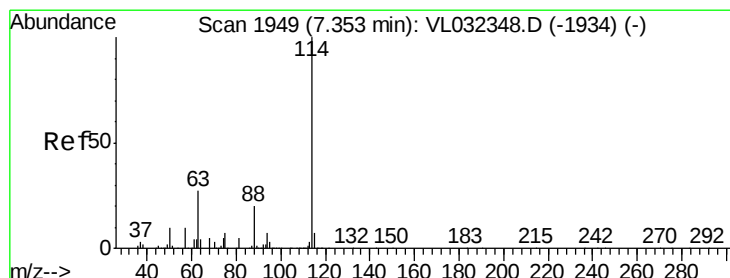
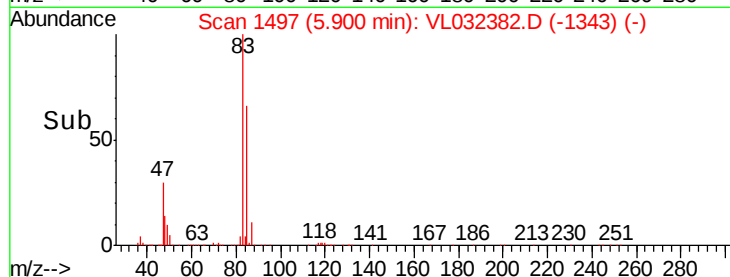
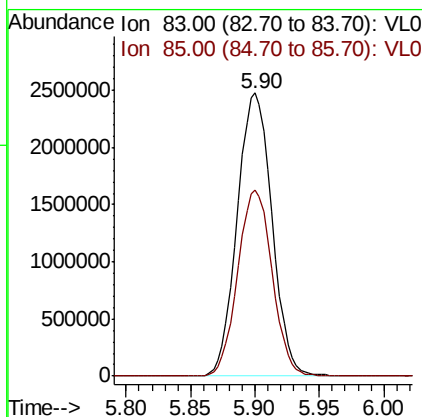
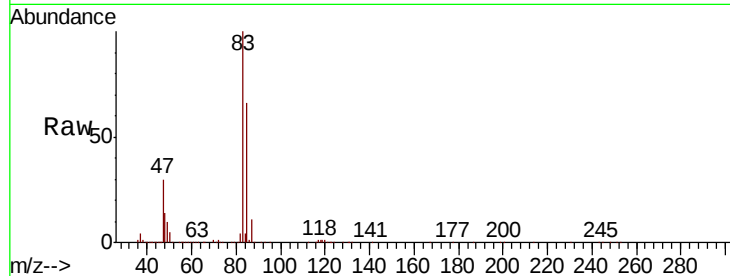
#29
Chloroform
Concen: 20.81 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :
1000

Tot Ion: 83 Resp: 4661290
Ion Ratio Lower Upper
83 100
85 65.9 51.6 77.4

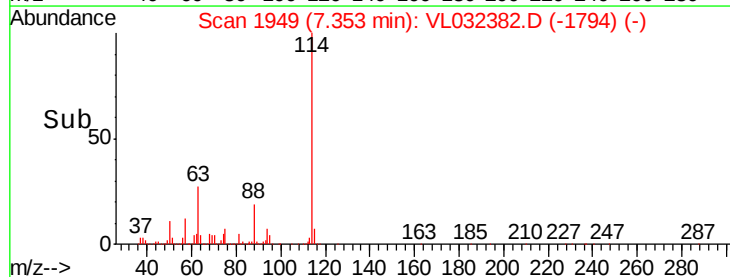
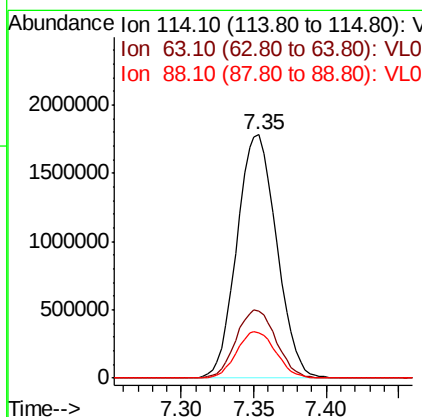
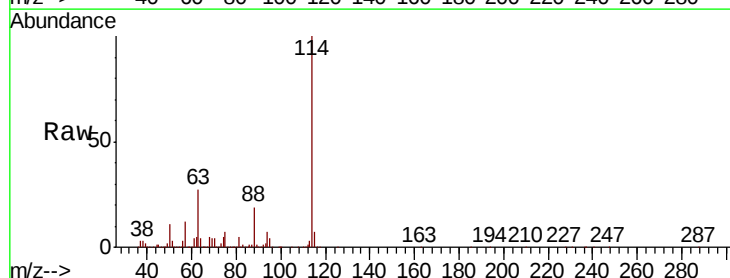
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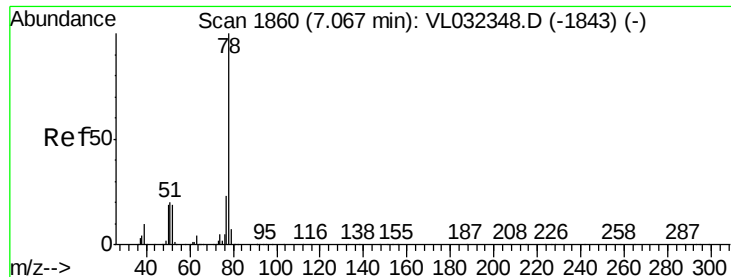
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Tgt Ion: 114 Resp: 3401608
Ion Ratio Lower Upper
114 100
63 28.4 22.0 33.0
88 18.9 15.3 22.9





#36

Benzene

Concen: 13.41 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

1000

Tot Ion: 78 Resp: 3866482

Ion Ratio Lower Upper

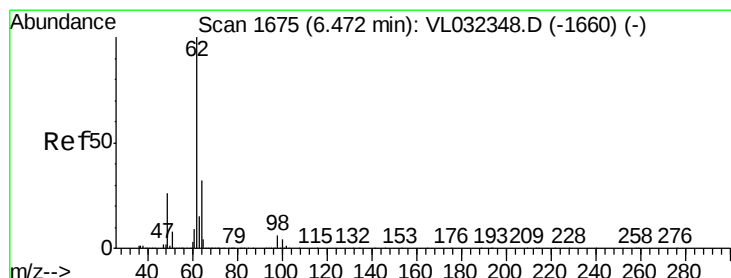
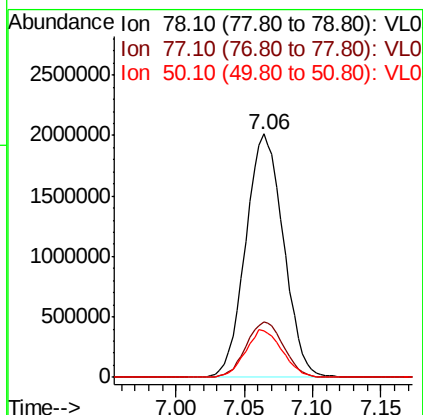
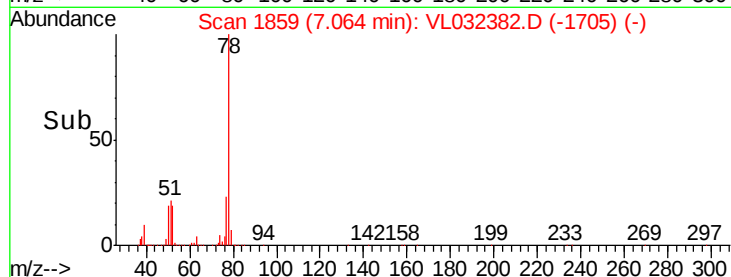
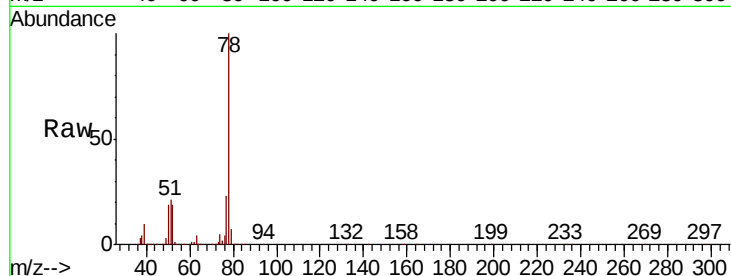
78 100

77 22.8 18.0 27.0

50 19.1 15.1 22.7

Manual Integrations
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#37

1,2-Dichloroethane

Concen: 13.11 ppbv

RT: 6.47 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VL032382.D

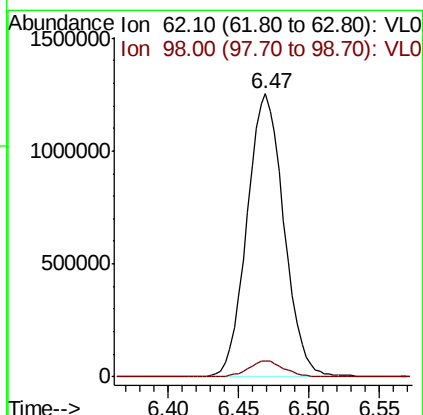
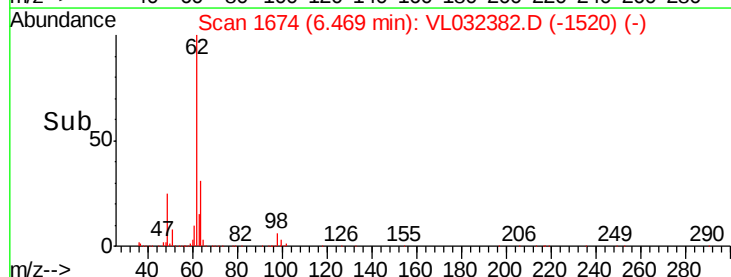
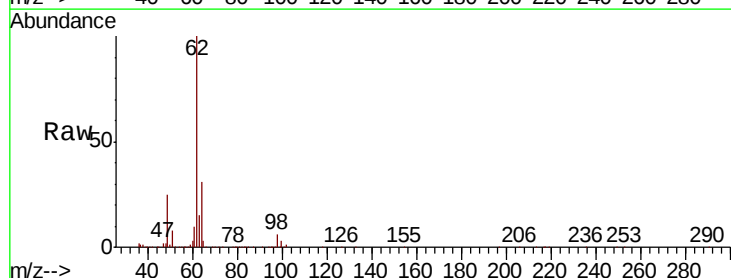
Acq: 16 Aug 2018 18:22

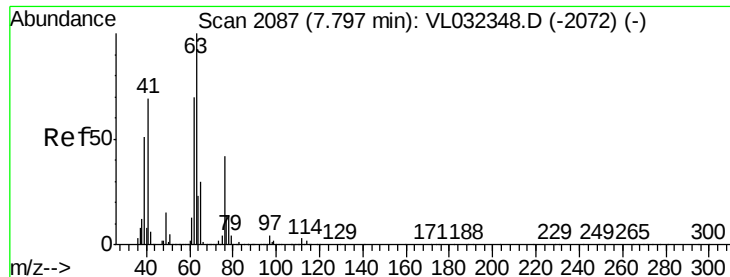
Tgt Ion: 62 Resp: 2293224

Ion Ratio Lower Upper

62 100

98 5.6 5.0 7.6





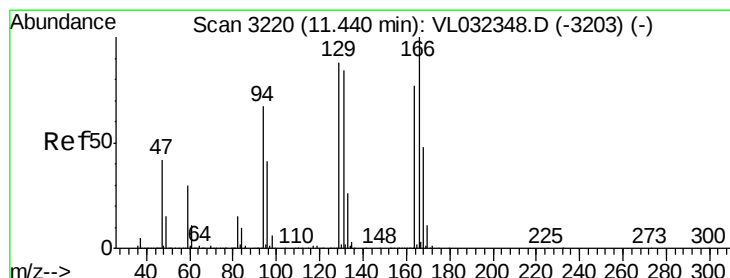
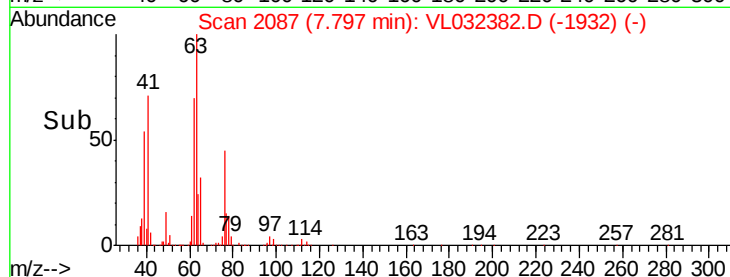
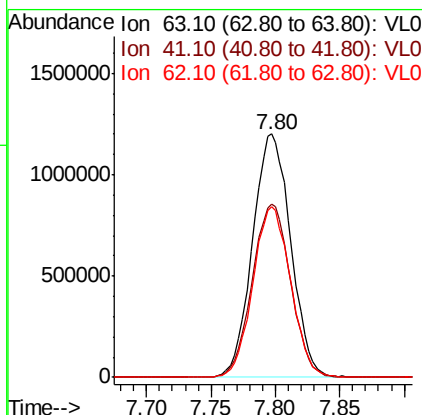
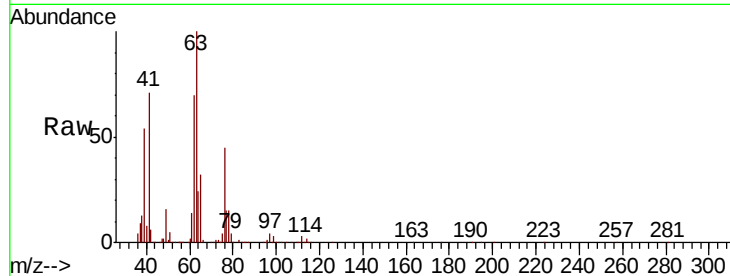
#39
 1,2-Dichloropropane
 Concen: 20.55 ppbv
 RT: 7.80 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Instrument :
 MSVOA_L
 ClientSampled :
 1000

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.9	55.5	83.3
62	70.1	56.3	84.5

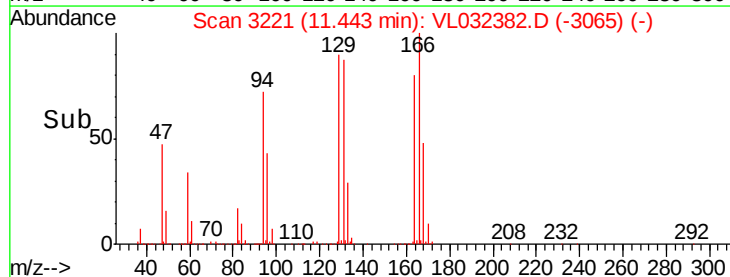
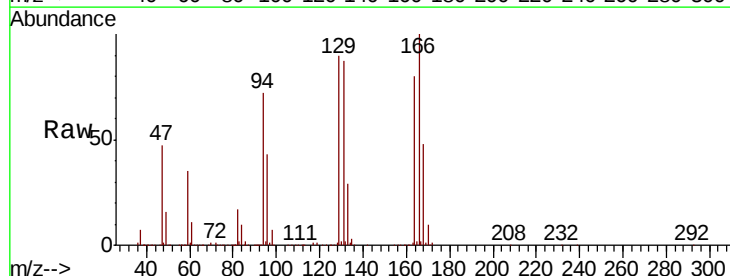
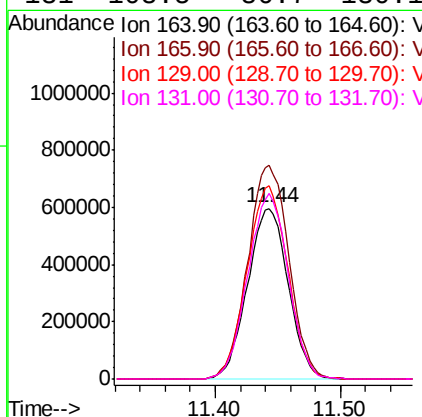
Manual Integrations
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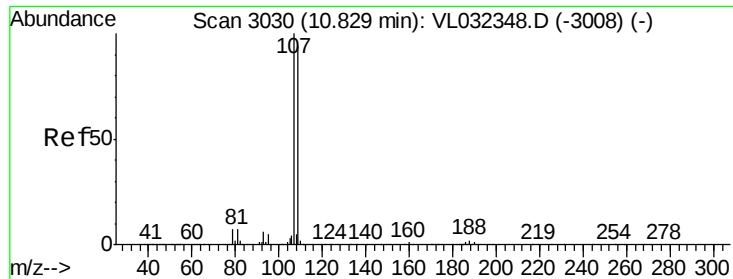
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#52
 Tetrachloroethene
 Concen: 15.83 ppbv
 RT: 11.44 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	103.5	155.3
129	113.1	90.9	136.3
131	108.5	86.7	130.1





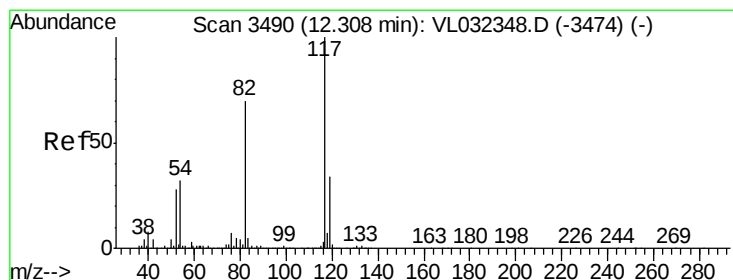
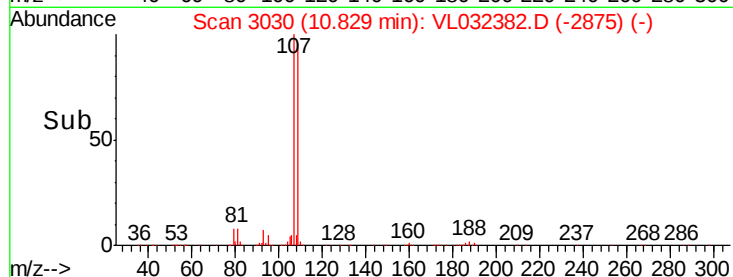
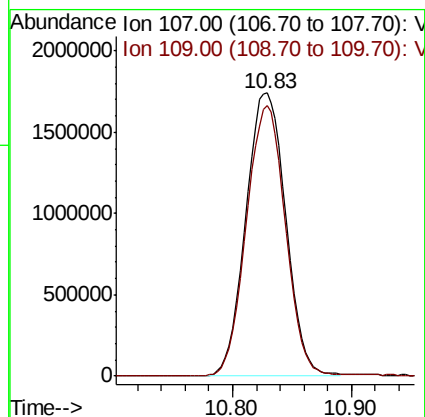
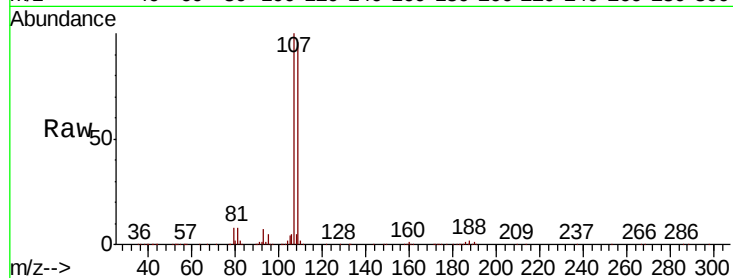
#54
 1,2-Dibromoethane
 Concen: 23.75 ppbv
 RT: 10.83 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tot Ion:107 Resp: 4045016
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.9 112.3

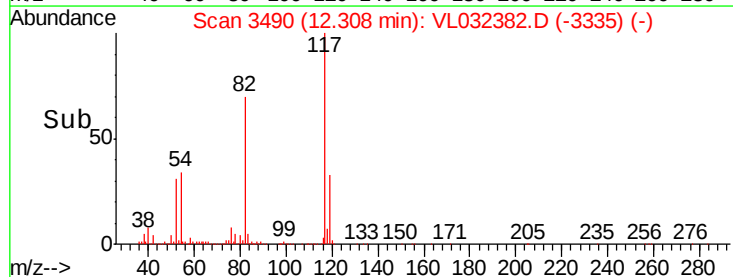
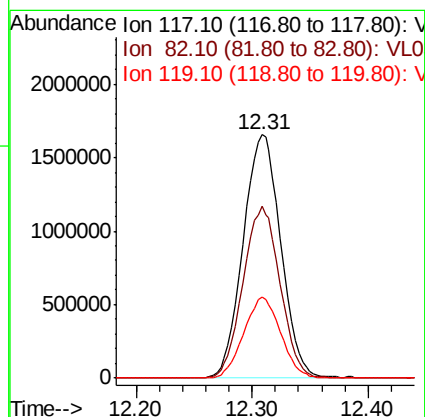
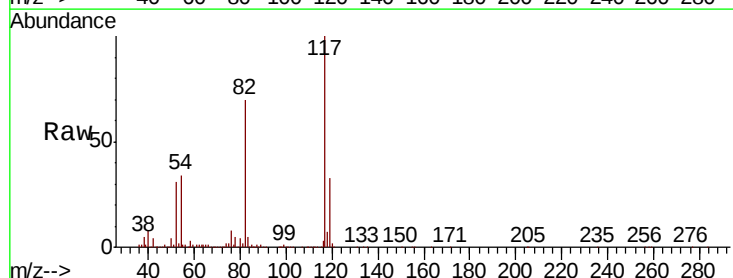
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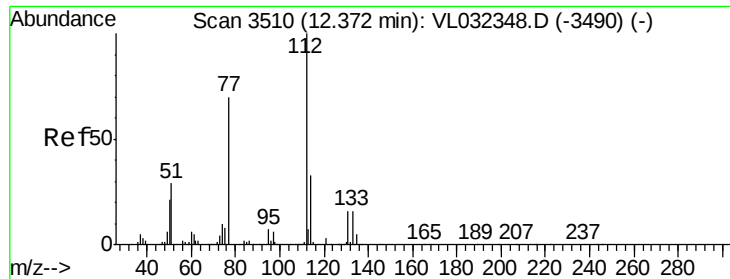
MMDadoda
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#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.31 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Tgt Ion:117 Resp: 3735411
 Ion Ratio Lower Upper
 117 100
 82 69.9 55.1 82.7
 119 32.8 46.0 69.0#





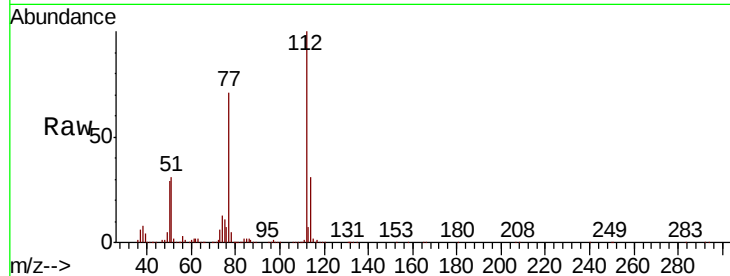
#57
Chlorobenzene
Concen: 11.37 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :
1000

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.7	56.6	84.8
114	31.3	29.4	36.0

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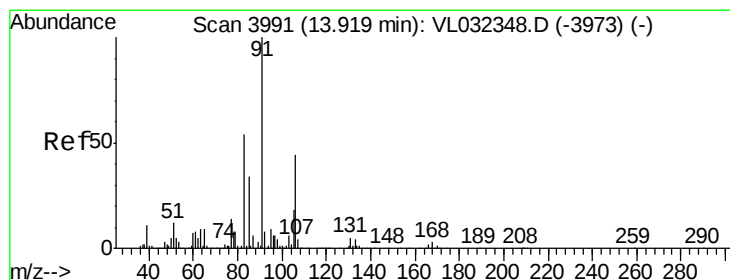
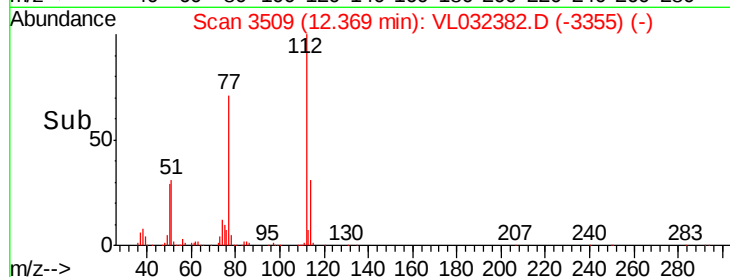
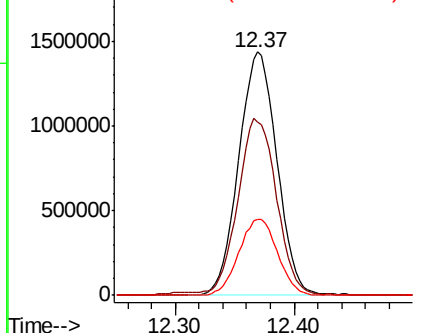


Abundance

Ion 112.10 (111.80 to 112.80): V

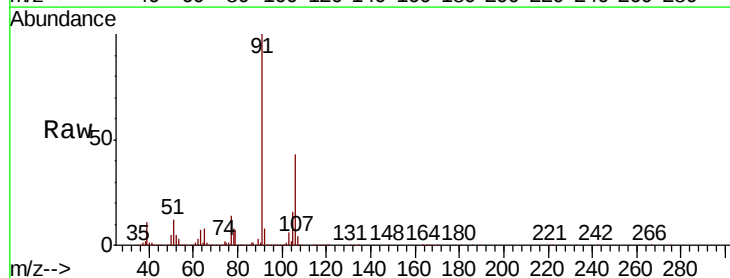
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#60
o-Xylene
Concen: 10.02 ppbv
RT: 13.92 min Scan# 3990
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

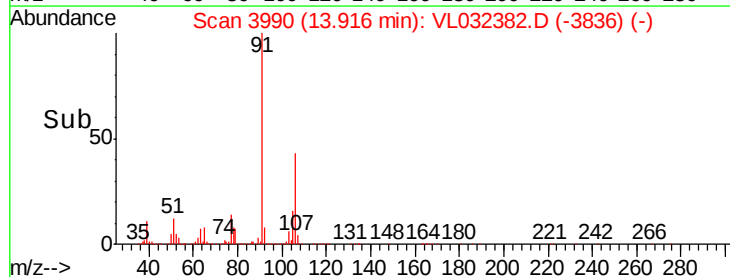
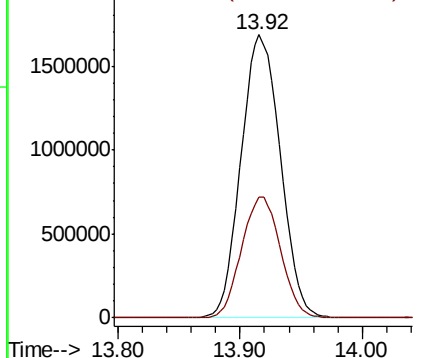
Tgt Ion	Ratio	Lower	Upper
91	100		
106	42.5	22.3	66.8

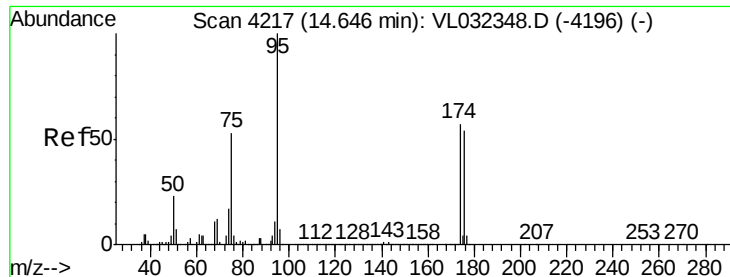


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





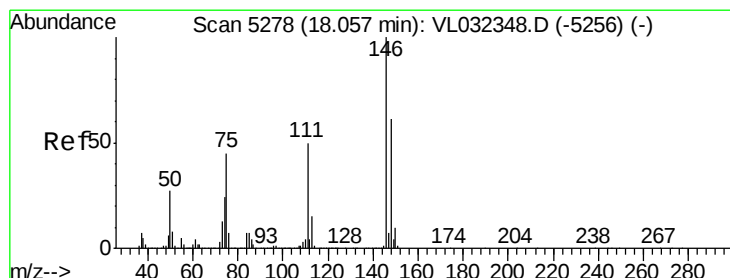
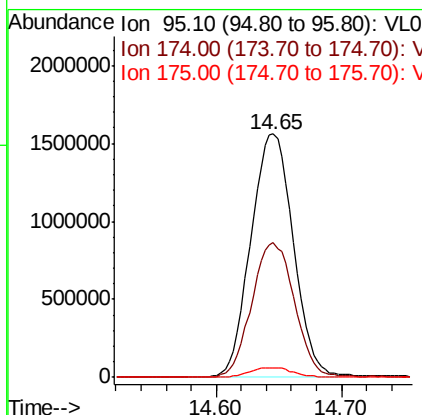
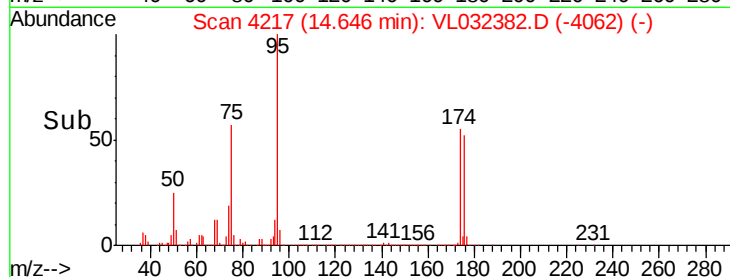
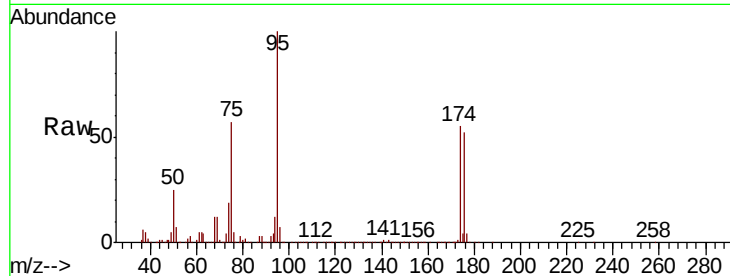
#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.91 ppbv
 RT: 14.65 min Scan# 4217
 Delta R.T. -0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tot Ion: 95 Resp: 3677767
 Ion Ratio Lower Upper
 95 100
 174 56.5 46.2 69.4
 175 4.2 3.4 5.0

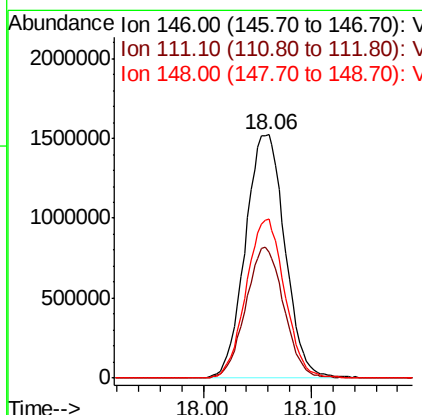
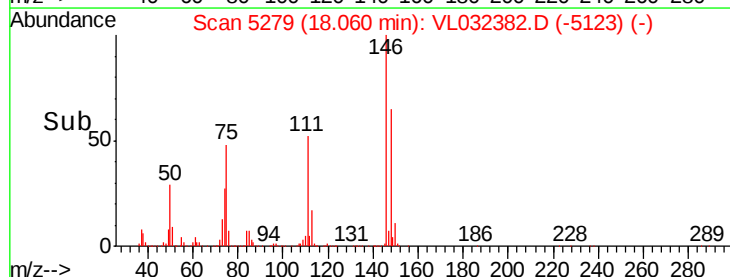
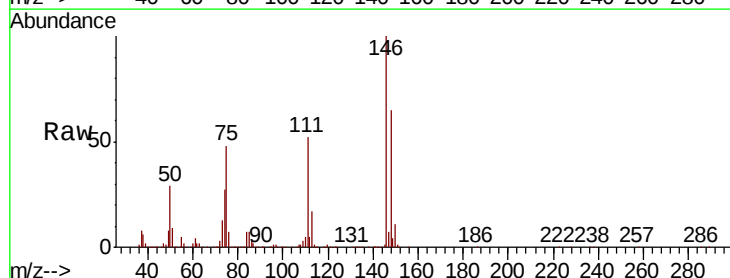
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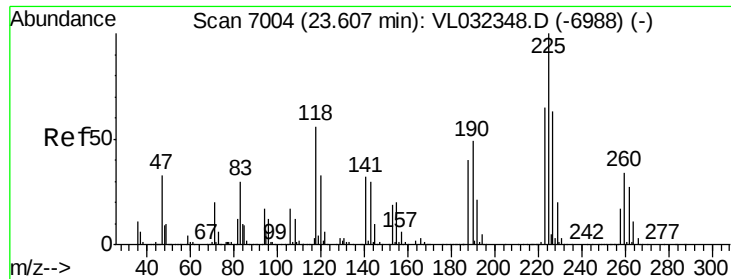
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#77
 1,2-Dichlorobenzene
 Concen: 15.75 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032382.D
 Acq: 16 Aug 2018 18:22

Tgt Ion: 146 Resp: 3874682
 Ion Ratio Lower Upper
 146 100
 111 52.0 25.2 75.6
 148 63.9 31.8 95.4





#78

Hexachloro-1,3-Butadiene

Concen: 0.27 ppbv m

RT: 23.60 min Scan# 7003

Delta R.T. -0.00 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Instrument :

MSVOA_L

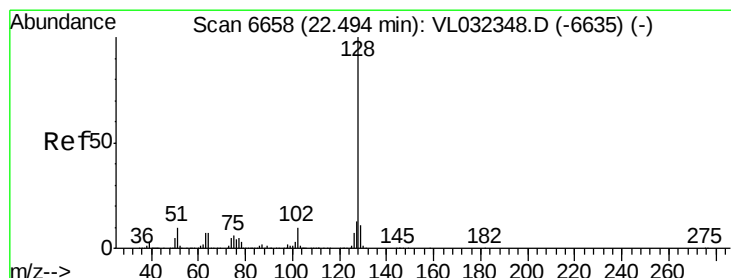
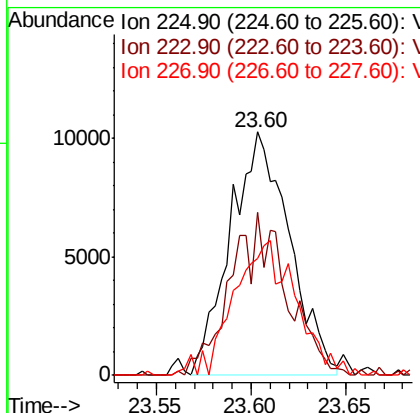
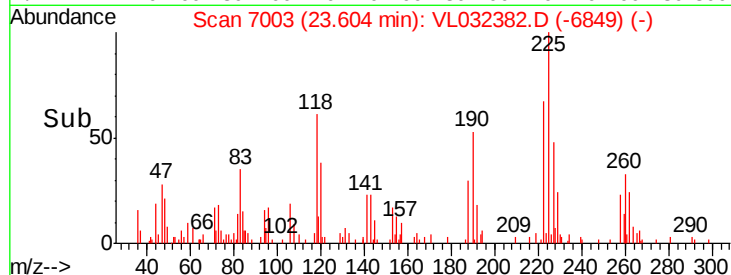
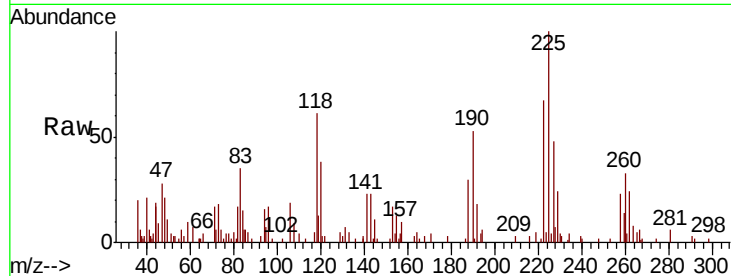
ClientSampleId :

1000

Tot Ion:	225	Resp:	22330
Ion Ratio	Lower	Upper	
225	100		
223	64.0	50.6	76.0
227	58.6	51.0	76.6

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#79

Naphthalene

Concen: 0.56 ppbv

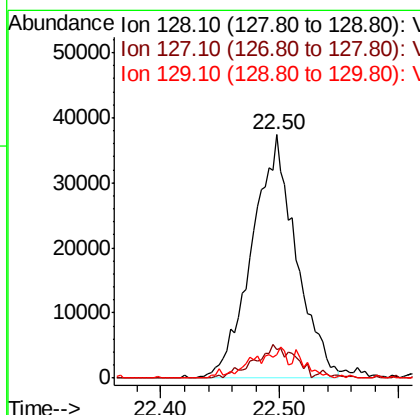
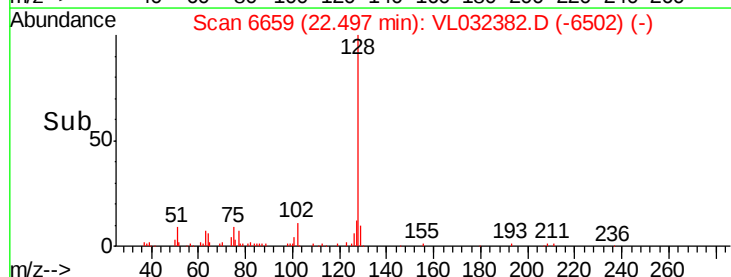
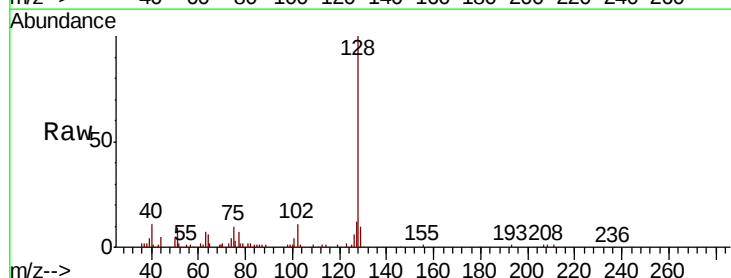
RT: 22.50 min Scan# 6659

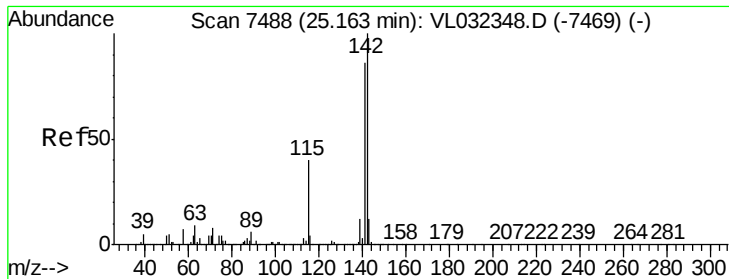
Delta R.T. 0.00 min

Lab File: VL032382.D

Acq: 16 Aug 2018 18:22

Tgt Ion:	128	Resp:	95540
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.3	15.5
129	9.6	8.6	13.0





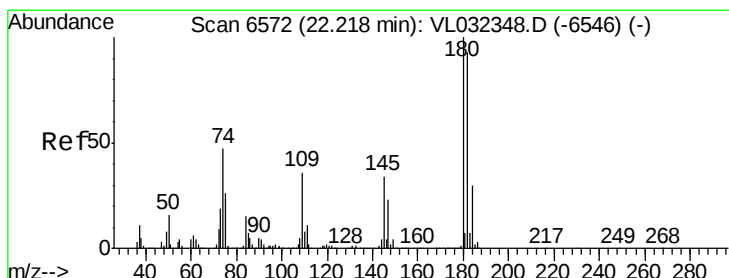
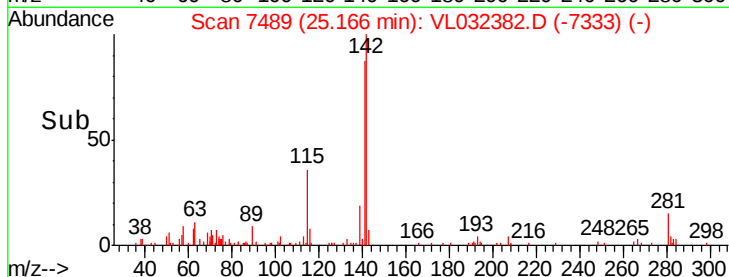
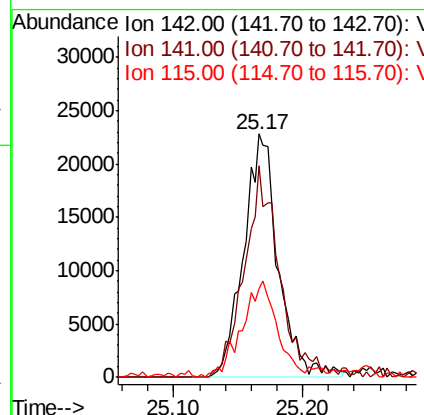
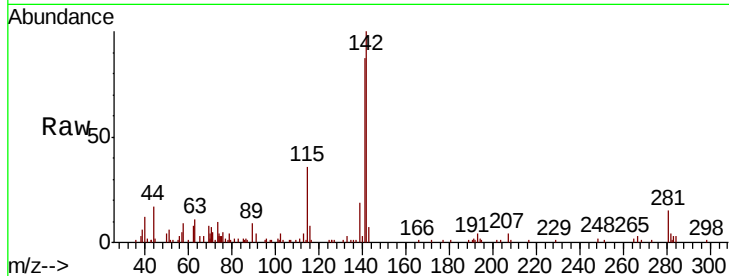
#80
Naphthalene, 2-methyl-
Concen: 0.50 ppbv
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :
1000

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	66.7	100.1
115	42.0	31.0	46.6

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#81
1,2,4-Trichlorobenzene
Concen: 0.30 ppbv m
RT: 22.21 min Scan# 6571
Delta R.T. -0.00 min
Lab File: VL032382.D
Acq: 16 Aug 2018 18:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
184	30.7	24.2	36.2

