

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032339.D
 Acq On : 2 Aug 2018 1:59
 Operator : SY/AP
 Sample : J4258-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
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Quant Time: Aug 02 02:41:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1770725	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4526135	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4417518	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3486554	10.17	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.21	50	14636	0.14	ppbv	92
9) Propene	3.08	41	3228937	40.56	ppbv	94
10) Heptane	8.31	43	217286	0.78	ppbv	99
13) Ethanol	3.71	45	510861	22.33	ppbv	98
15) Acetone	3.95	43	17006978	101.91	ppbv #	72
26) Hexane	5.84	57	210528	1.24	ppbv #	1
27) Carbon Disulfide	4.68	76	210457	1.37	ppbv	99
30) Cyclohexane	7.32	84	54414m	0.41	ppbv	
34) 2-Butanone	5.39	43	14058866	47.99	ppbv	92
36) Benzene	7.08	78	488329	1.22	ppbv	94
44) 2,2,4-Trimethylpentane	8.07	57	240445m	0.28	ppbv	
51) 2-Hexanone	10.34	43	3291010	8.35	ppbv #	99
53) Toluene	10.02	91	196595m	0.41	ppbv	
58) Ethyl Benzene	12.94	91	54557m	0.10	ppbv	
59) m/p-Xylene	13.20	91	159230m	0.34	ppbv	
60) o-Xylene	13.93	91	66789m	0.14	ppbv	
79) Naphthalene	22.51	128	57909m	0.12	ppbv	

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

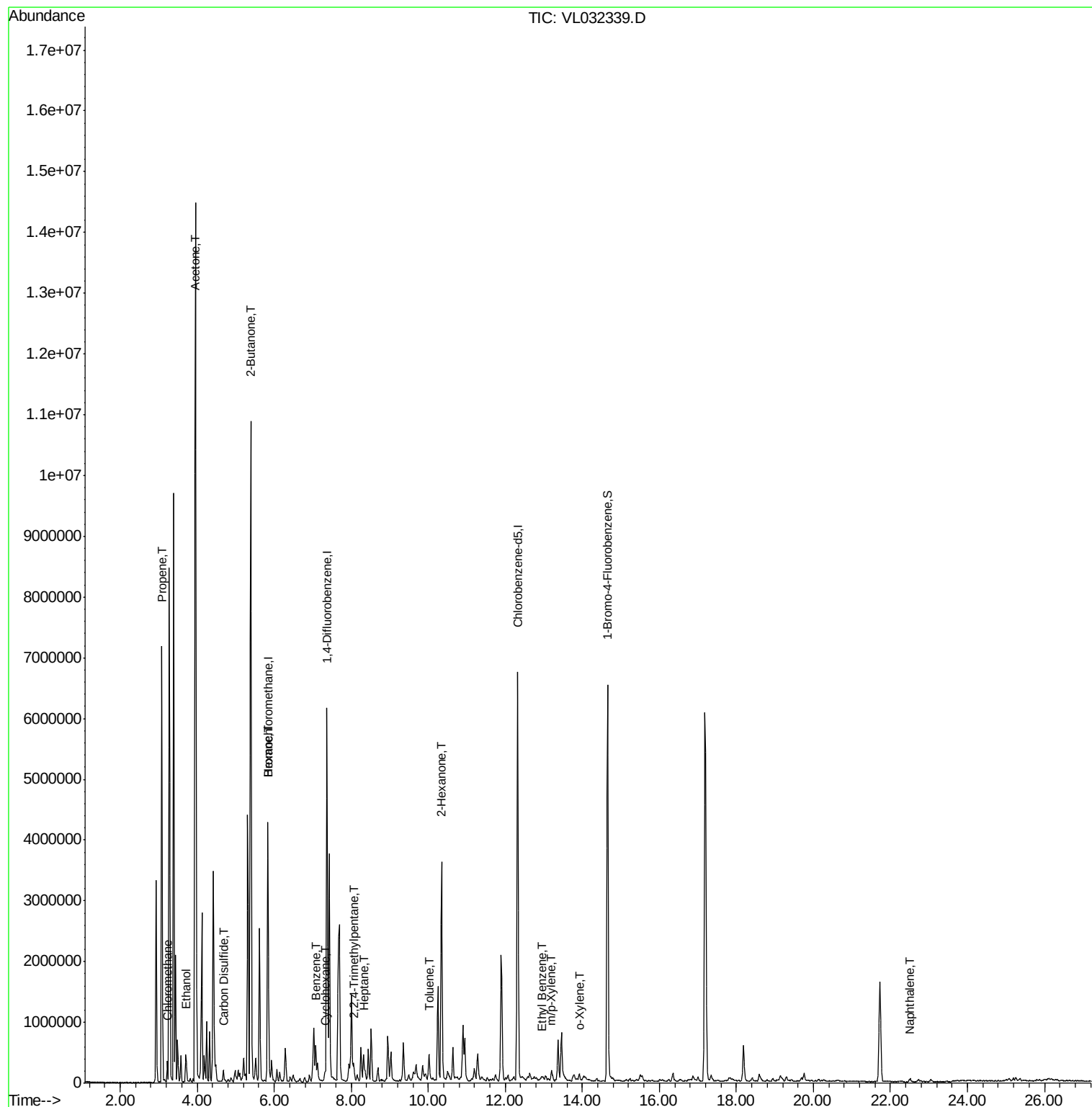
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080118\
Data File : VL032339.D
Acq On : 2 Aug 2018 1:59
Operator : SY/AP
Sample : J4258-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

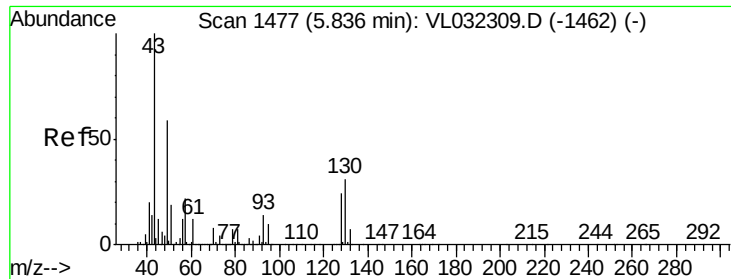
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

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Quant Time: Aug 02 02:41:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

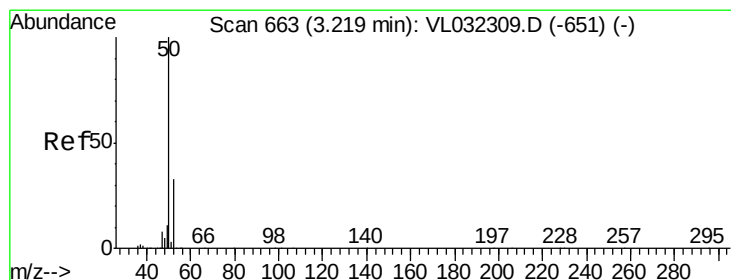
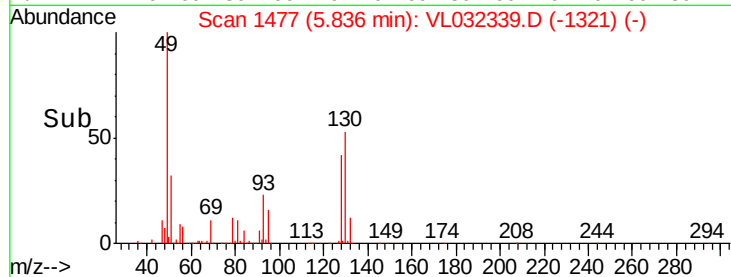
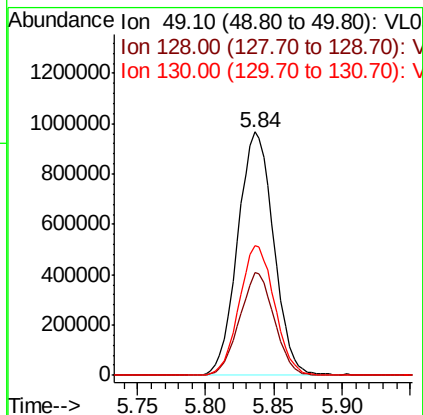
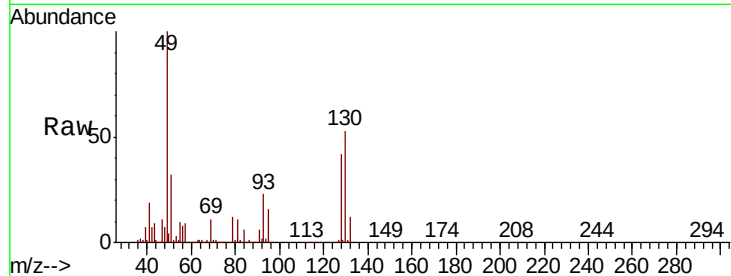
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.84 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VL032339.D
 Acq: 2 Aug 2018 1:59

Instrument :
 MSVOA_L
 ClientSampled :
 SV-1DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.9	20.2	60.6
130	52.6	25.8	77.3

Manual Integrations
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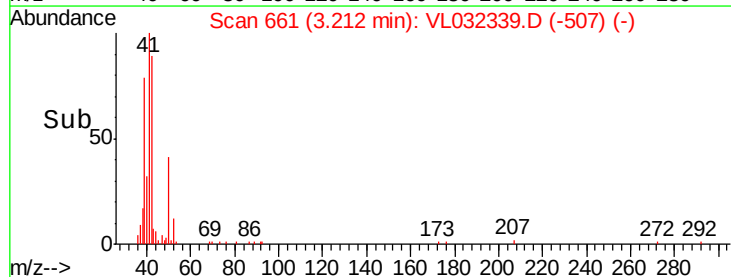
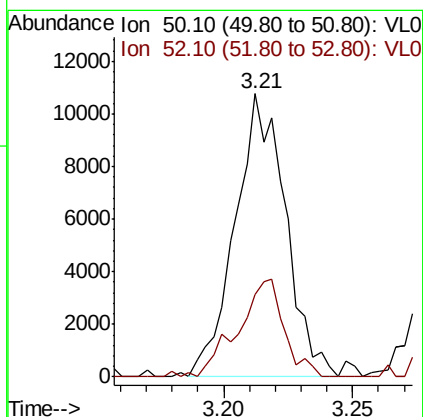
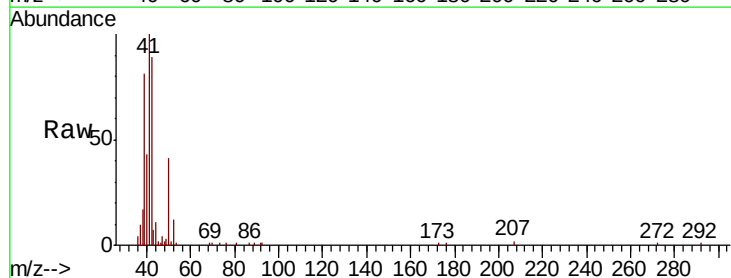
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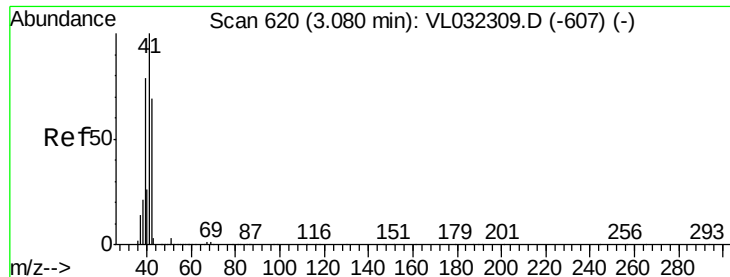


#4

Chloromethane
 Concen: 0.14 ppbv
 RT: 3.21 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: VL032339.D
 Acq: 2 Aug 2018 1:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.2	26.2	39.4





#9

Propene

Concen: 40.56 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032339.D

Acq: 2 Aug 2018 1:59

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 41 Resp: 3228937

Ion Ratio Lower Upper

41 100

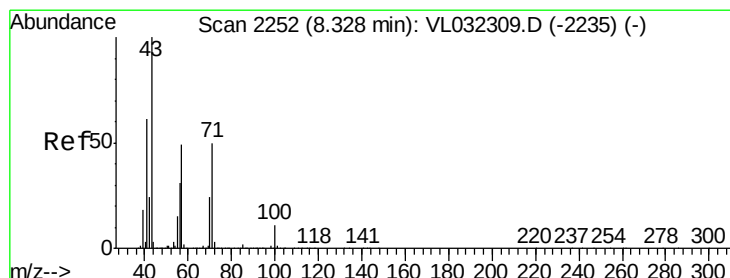
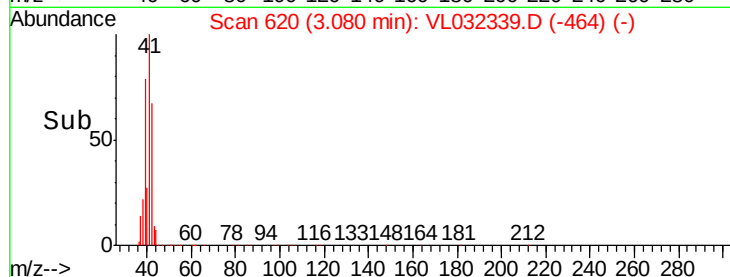
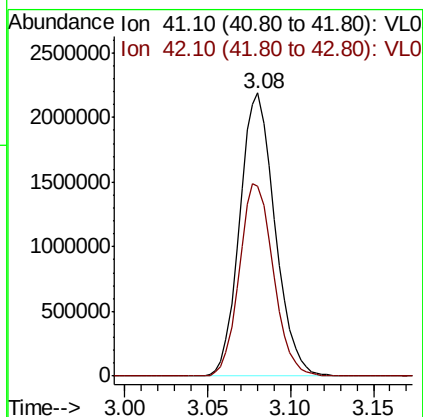
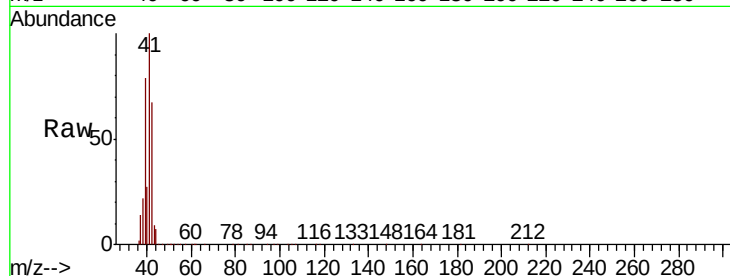
42 66.1 56.8 85.2

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#10

Heptane

Concen: 0.78 ppbv

RT: 8.31 min Scan# 2248

Delta R.T. -0.01 min

Lab File: VL032339.D

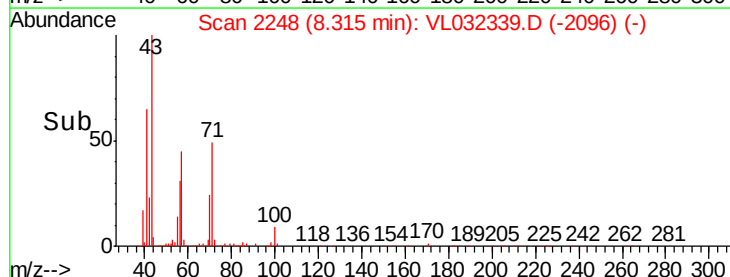
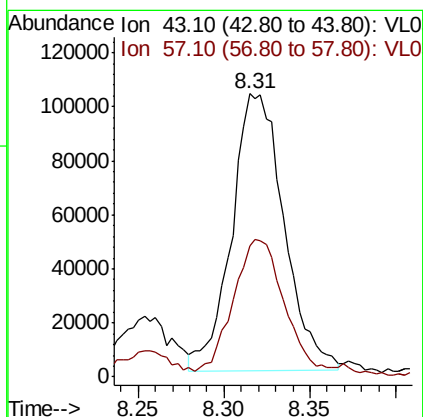
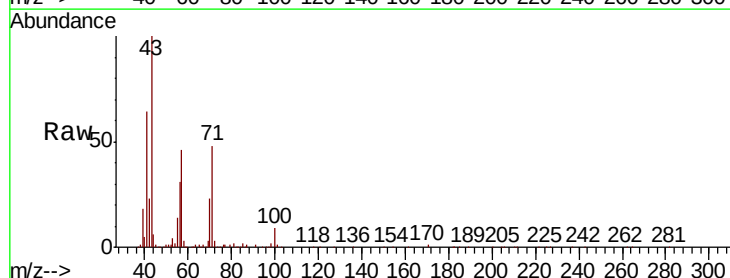
Acq: 2 Aug 2018 1:59

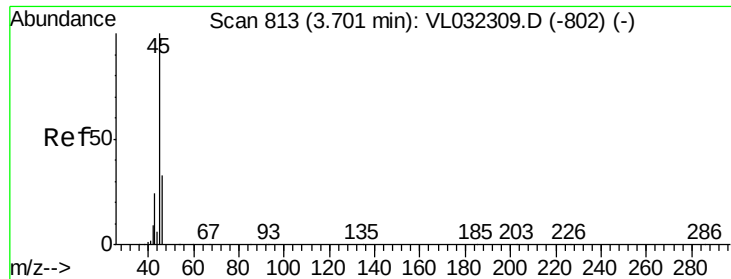
Tgt Ion: 43 Resp: 217286

Ion Ratio Lower Upper

43 100

57 49.6 39.0 58.4





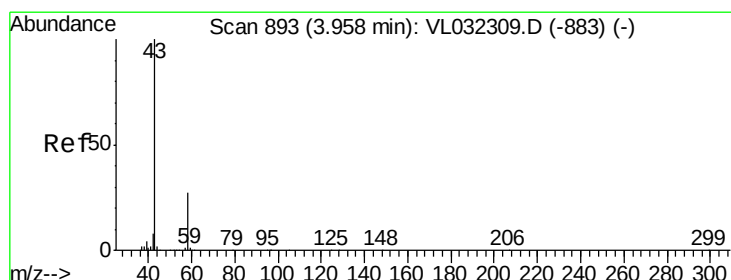
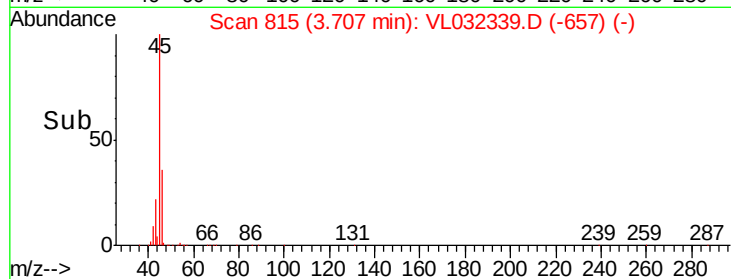
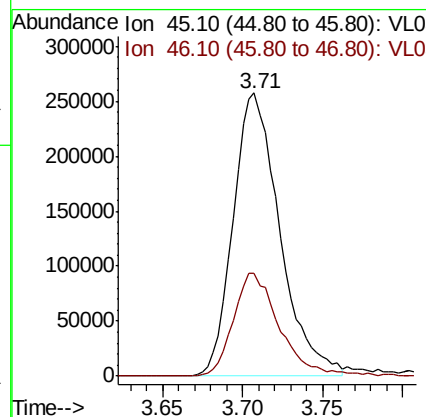
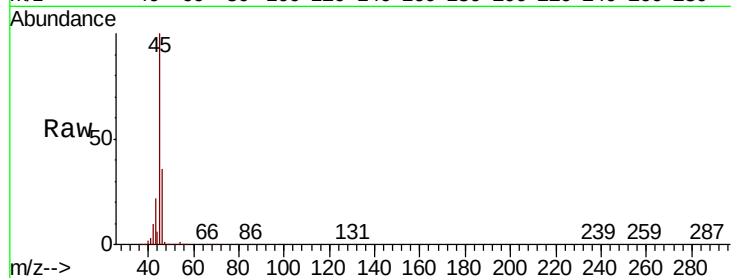
#13
Ethanol
Concen: 22.33 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.5	15.2	60.6

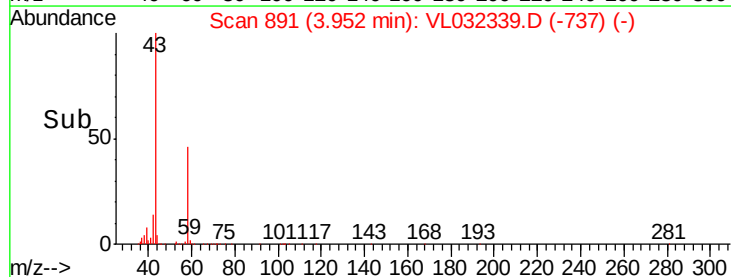
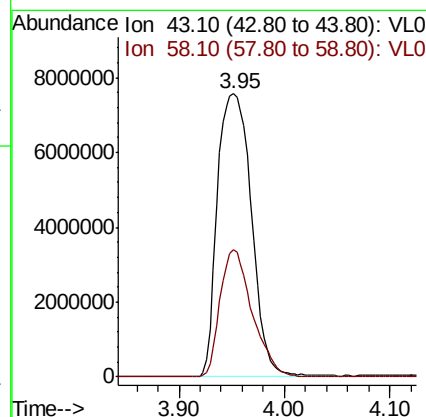
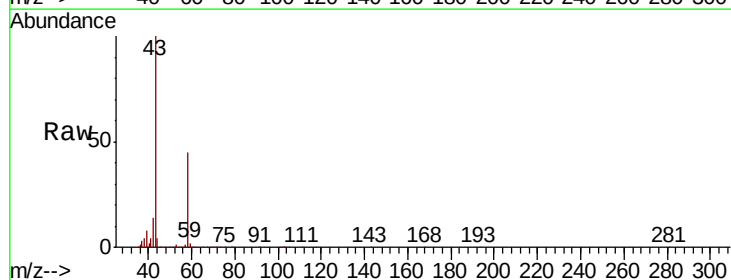
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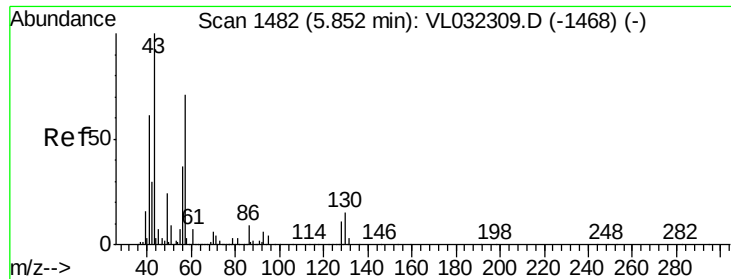
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#15
Acetone
Concen: 101.91 ppbv
RT: 3.95 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.6	22.5	33.7#





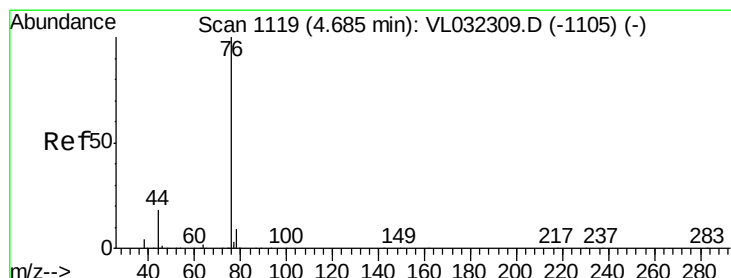
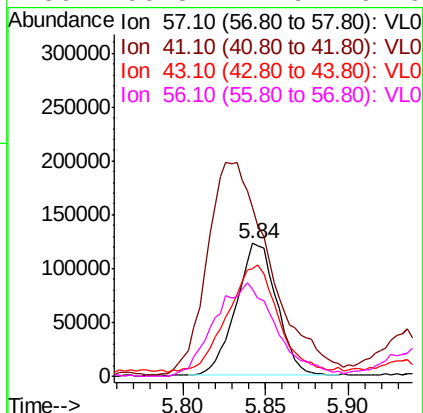
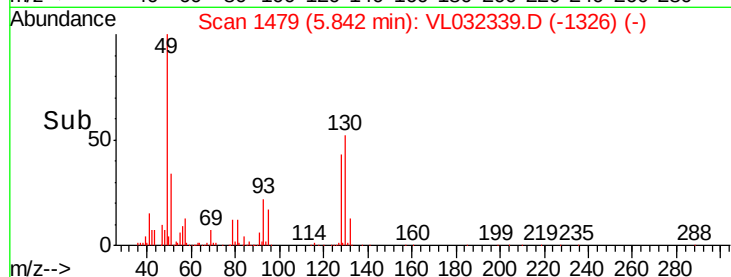
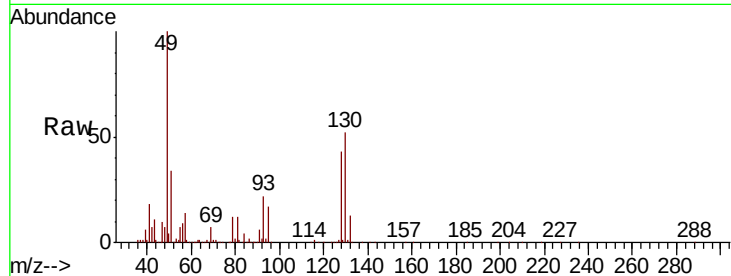
#26
Hexane
Concen: 1.24 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	249.5	68.1	102.1#
43	0.0	177.4	266.2#
56	106.8	41.9	62.9#

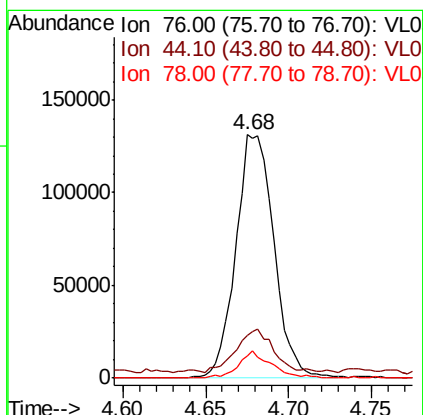
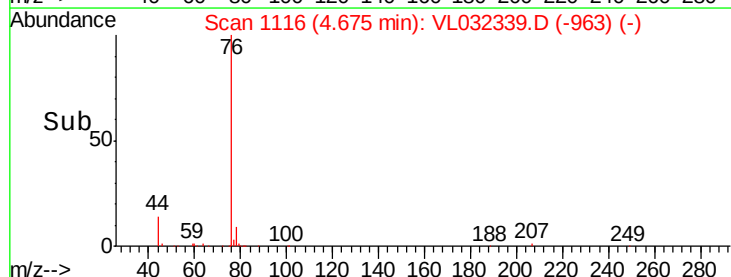
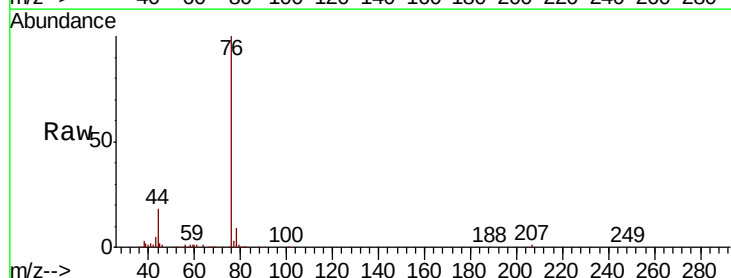
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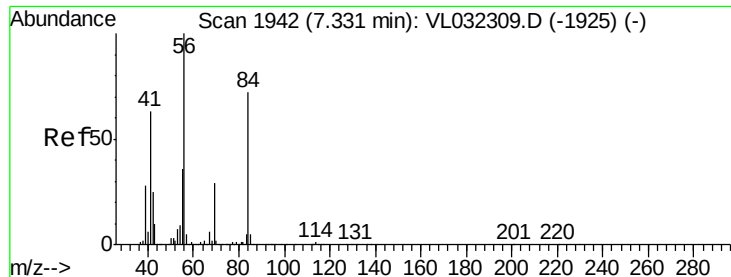
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#27
Carbon Disulfide
Concen: 1.37 ppbv
RT: 4.68 min Scan# 1116
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.0	21.0
78	9.7	7.5	11.3





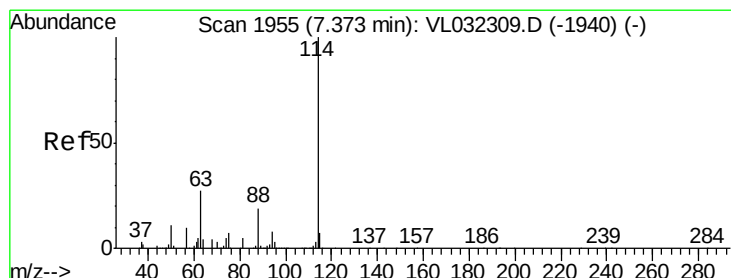
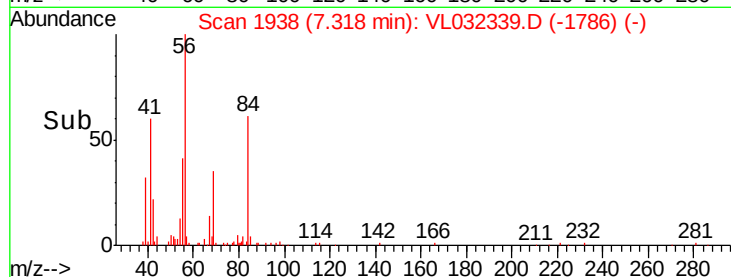
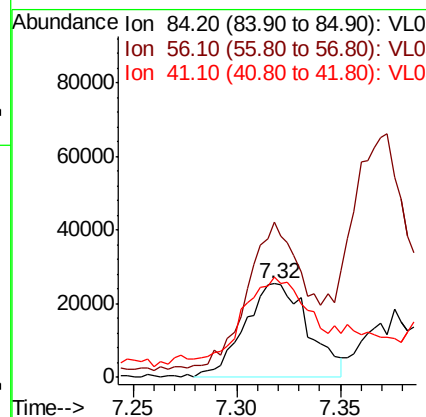
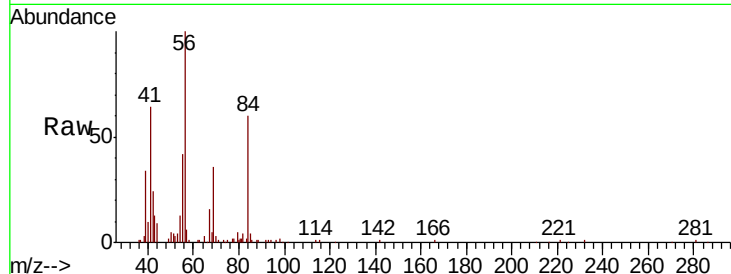
#30
Cyclohexane
Concen: 0.41 ppbv m
RT: 7.32 min Scan# 1938
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.8	175.2#
41	0.0	70.0	105.0#

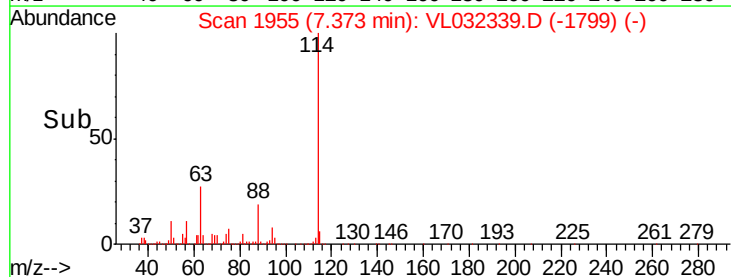
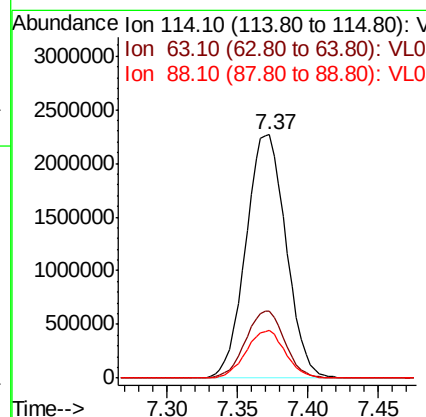
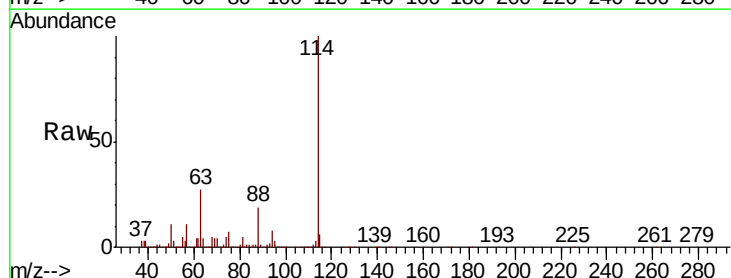
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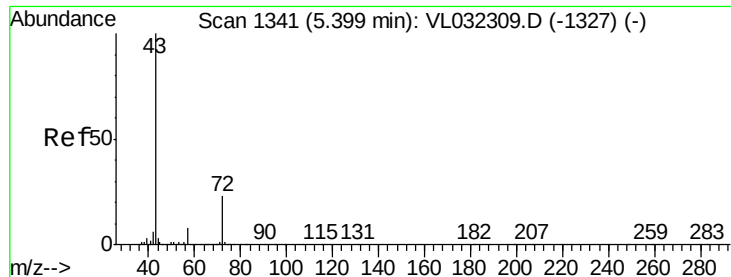
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	19.3	15.3	22.9





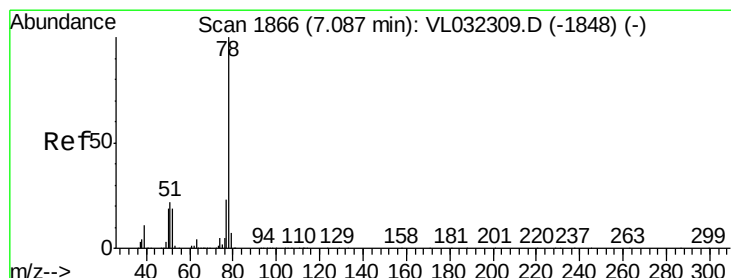
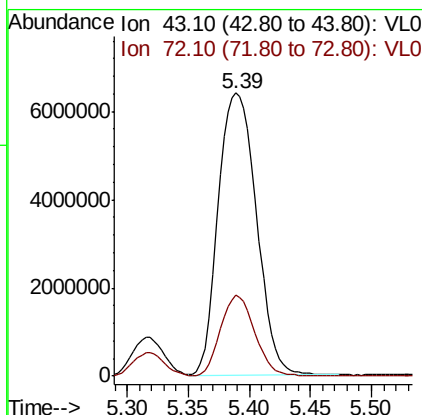
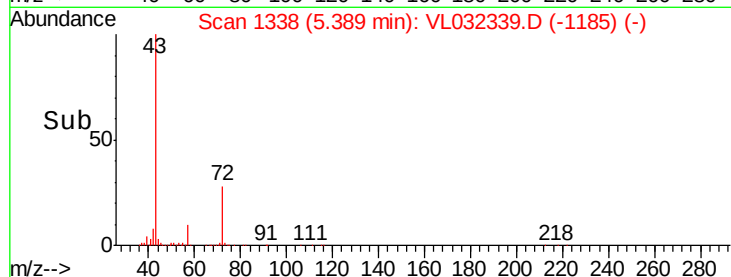
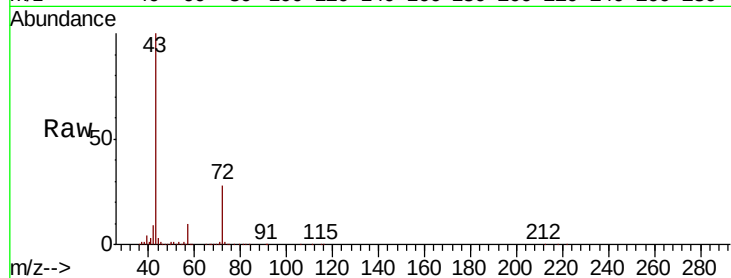
#34
2-Butanone
Concen: 47.99 ppbv
RT: 5.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion: 43 Resp: 14058866
Ion Ratio Lower Upper
43 100
72 25.8 17.4 26.2

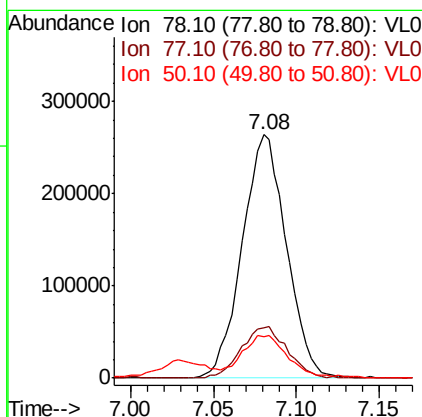
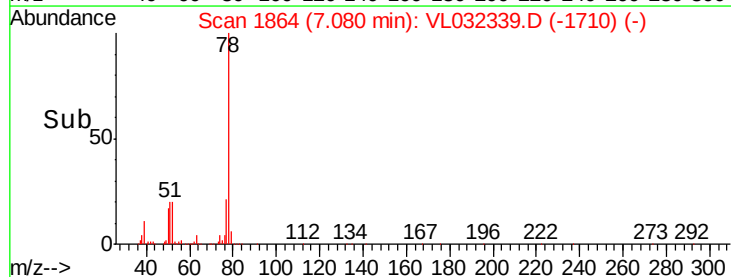
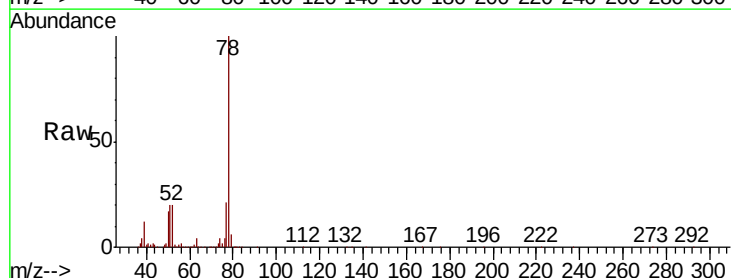
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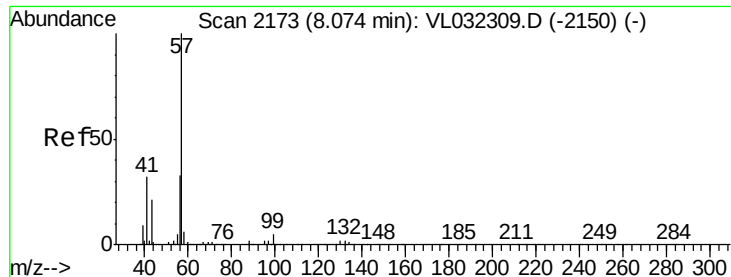
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#36
Benzene
Concen: 1.22 ppbv
RT: 7.08 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Tgt Ion: 78 Resp: 488329
Ion Ratio Lower Upper
78 100
77 20.5 18.4 27.6
50 16.0 15.3 22.9





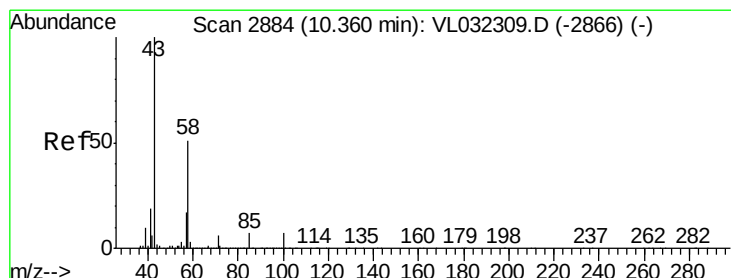
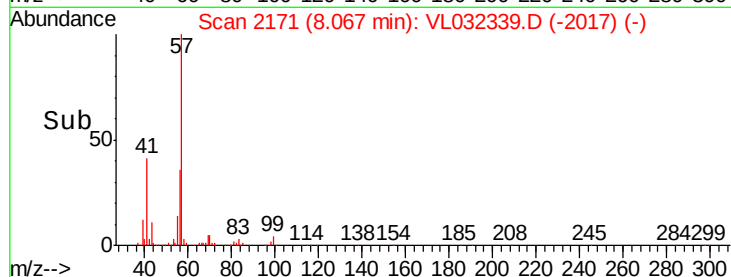
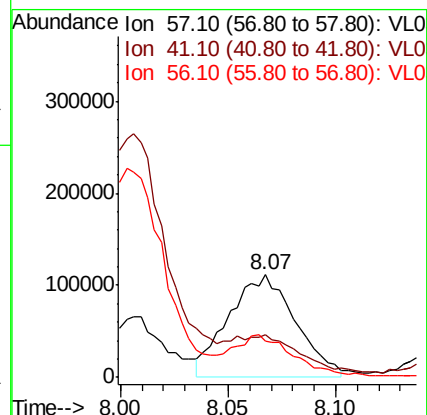
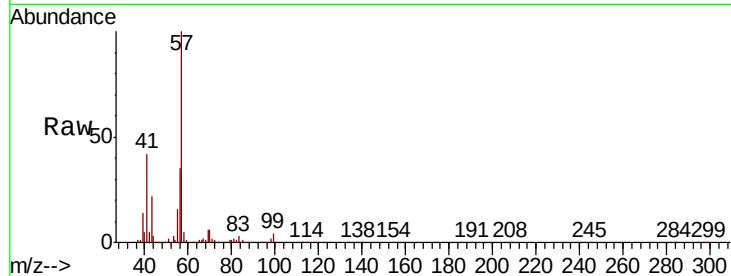
#44
 2,2,4-Trimethylpentane
 Concen: 0.28 ppbv m
 RT: 8.07 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VL032339.D
 Acq: 2 Aug 2018 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.3	36.5#
56	37.1	25.4	38.2

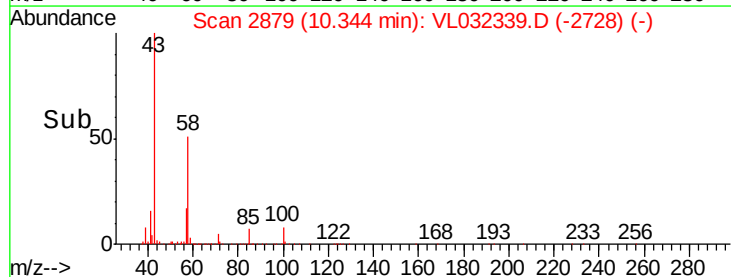
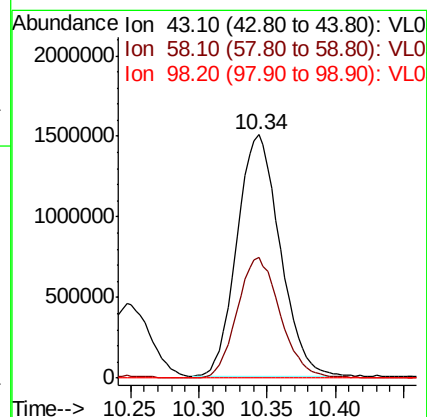
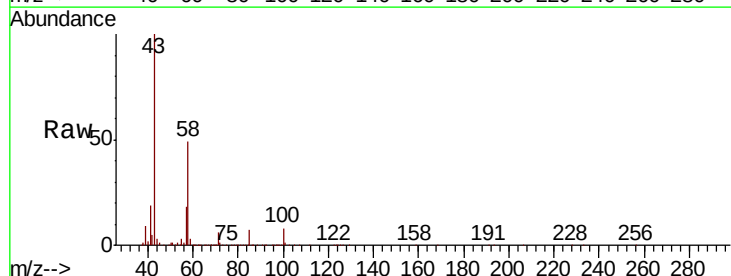
Manual Integrations
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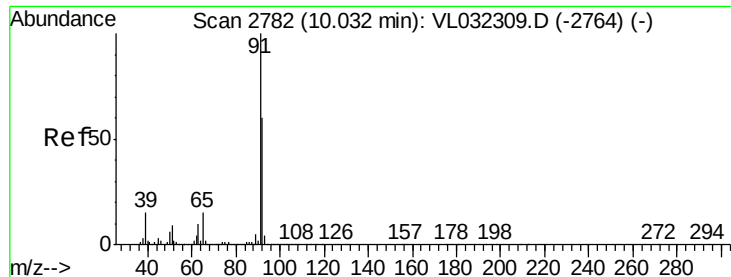
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#51
 2-Hexanone
 Concen: 8.35 ppbv
 RT: 10.34 min Scan# 2879
 Delta R.T. -0.02 min
 Lab File: VL032339.D
 Acq: 2 Aug 2018 1:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.1	58.7
98	0.1	0.3	0.5#





#53

Toluene

Concen: 0.41 ppbv m

RT: 10.02 min Scan# 2779

Delta R.T. -0.01 min

Lab File: VL032339.D

Acq: 2 Aug 2018 1:59

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 91 Resp: 196595

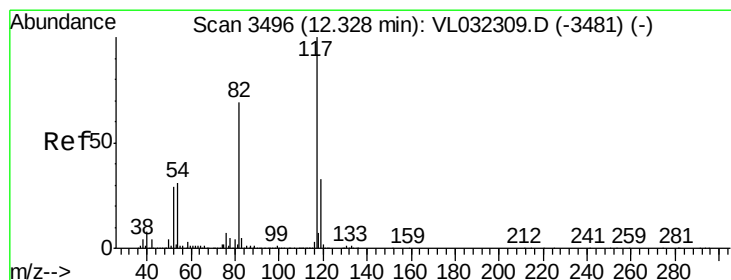
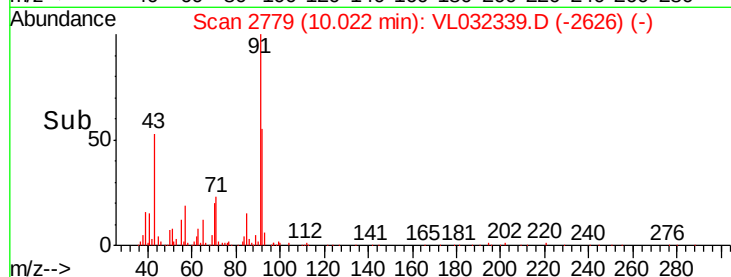
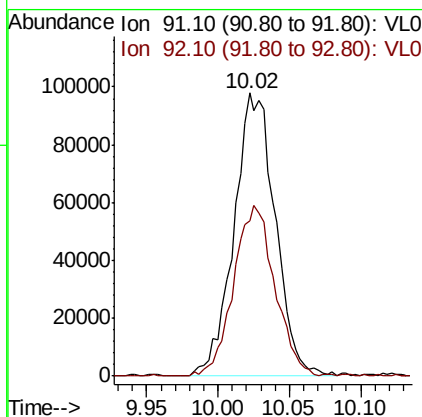
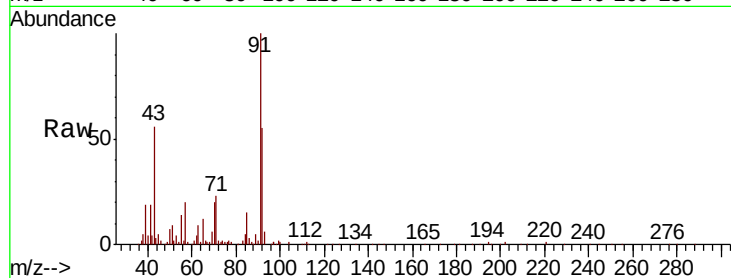
Ion Ratio Lower Upper

91 100

92 60.6 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.32 min Scan# 3494

Delta R.T. -0.01 min

Lab File: VL032339.D

Acq: 2 Aug 2018 1:59

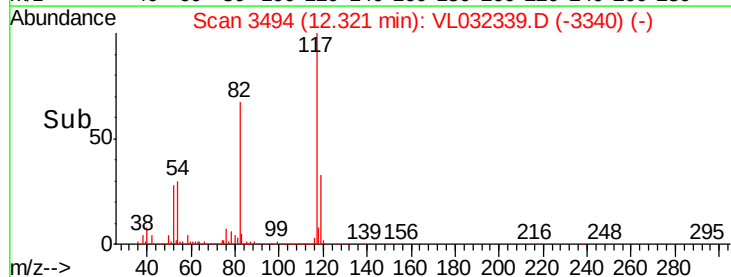
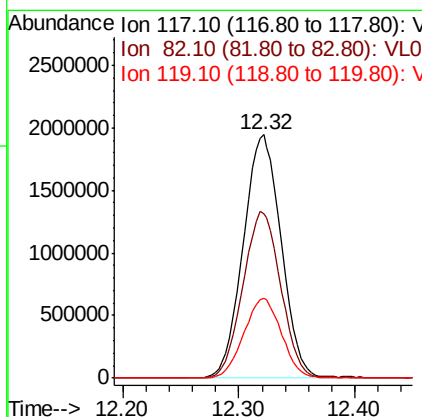
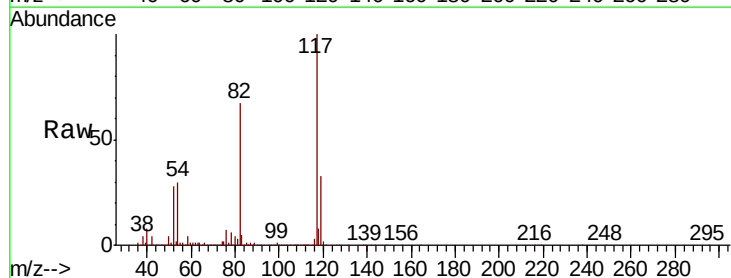
Tgt Ion: 117 Resp: 4417518

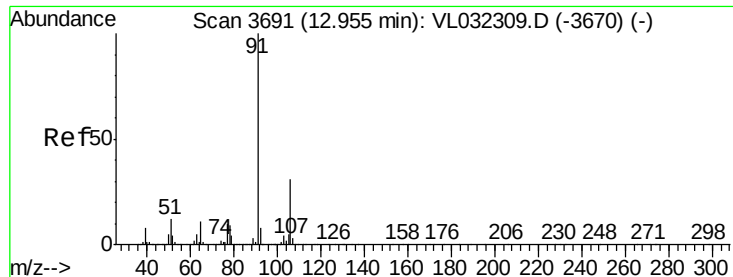
Ion Ratio Lower Upper

117 100

82 68.4 52.6 78.8

119 32.7 25.7 38.5





#58

Ethyl Benzene

Concen: 0.10 ppbv m

RT: 12.94 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL032339.D

Acq: 2 Aug 2018 1:59

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 91 Resp: 54557

Ion Ratio Lower Upper

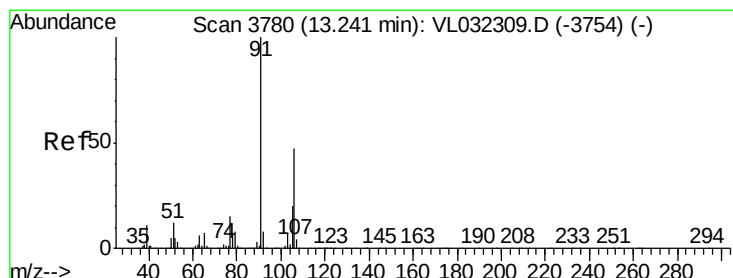
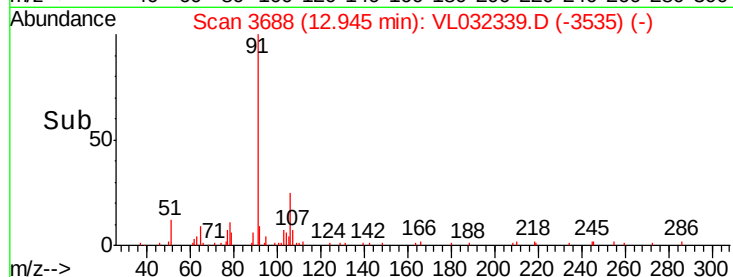
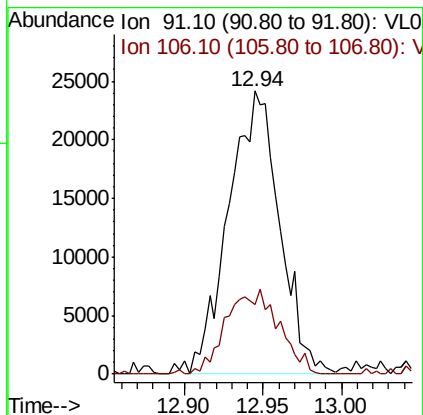
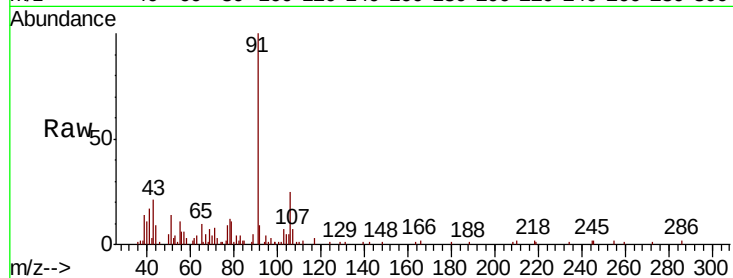
91 100

106 24.5 25.0 37.4#

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#59

m/p-Xylene

Concen: 0.34 ppbv m

RT: 13.20 min Scan# 3766

Delta R.T. -0.05 min

Lab File: VL032339.D

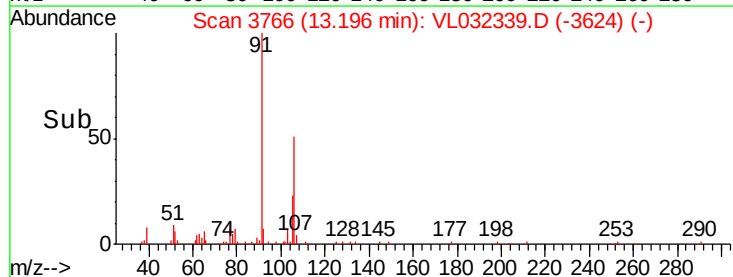
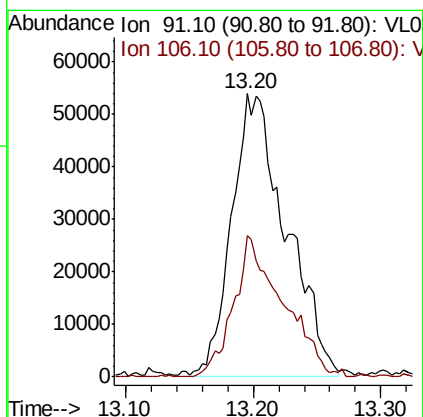
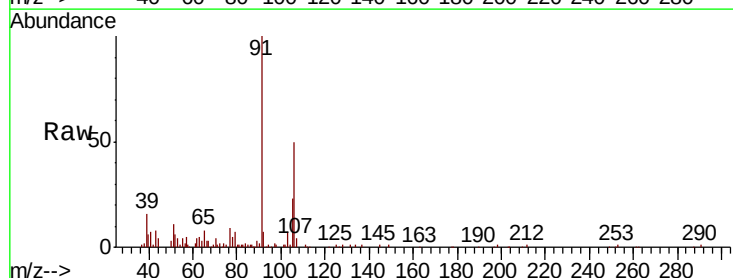
Acq: 2 Aug 2018 1:59

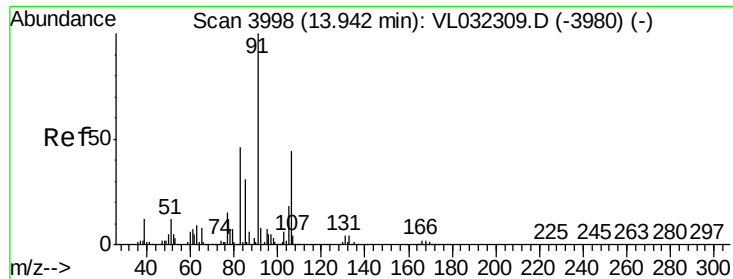
Tgt Ion: 91 Resp: 159230

Ion Ratio Lower Upper

91 100

106 0.0 36.4 54.6#





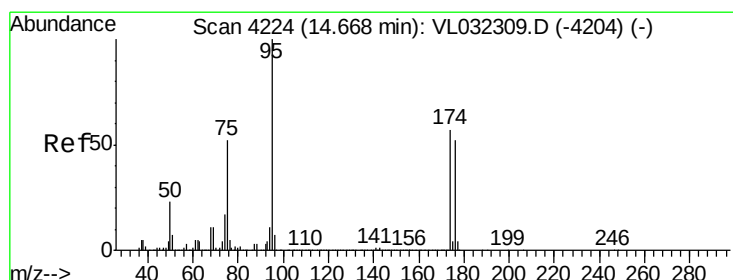
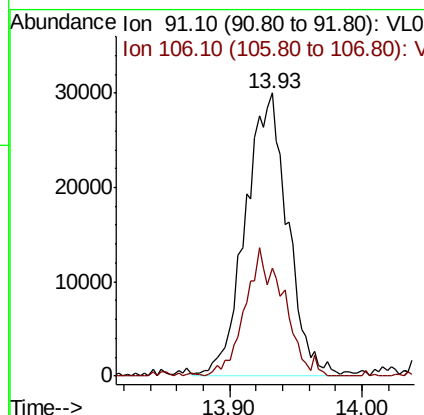
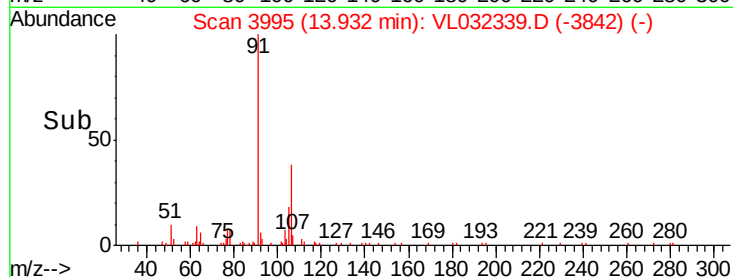
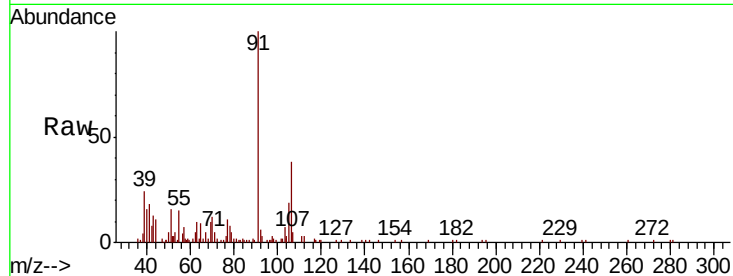
#60
o-Xylene
Concen: 0.14 ppbv m
RT: 13.93 min Scan# 3995
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion: 91 Resp: 66789
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.0#

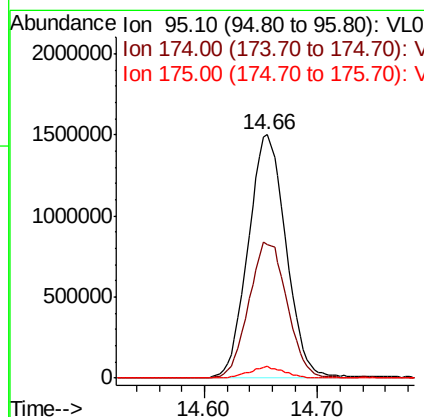
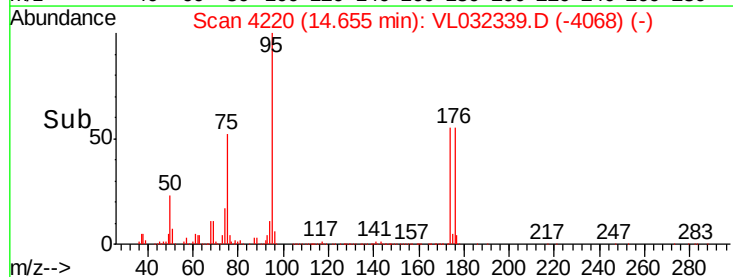
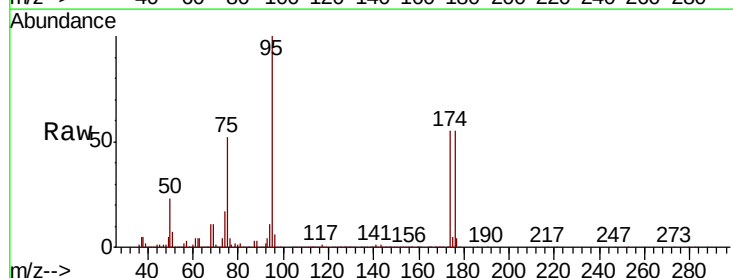
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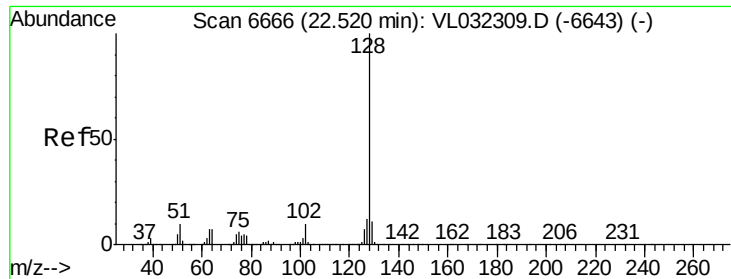
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.17 ppbv
RT: 14.66 min Scan# 4220
Delta R.T. -0.01 min
Lab File: VL032339.D
Acq: 2 Aug 2018 1:59

Tgt Ion: 95 Resp: 3486554
Ion Ratio Lower Upper
95 100
174 56.5 45.5 68.3
175 4.3 3.3 4.9





#79

Naphthalene

Concen: 0.12 ppbv m

RT: 22.51 min Scan# 6663

Delta R.T. -0.01 min

Lab File: VL032339.D

Acq: 2 Aug 2018 1:59

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion:	128	Resp:	57909
Ion Ratio		Lower	Upper
128	100		
127	11.0	9.9	14.9
129	10.4	8.8	13.2

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