

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032450.D
 Acq On : 31 Aug 2018 21:37
 Operator : SY/AP
 Sample : J4717-04DL 20X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

Manual Integrations
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Quant Time: Sep 02 22:47:03 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1556842	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3316456	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3163724	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2400144	10.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.06	41	523973	9.217	ppbv	91
13) Ethanol	3.68	45	63870	3.604	ppbv	97
15) Acetone	3.93	43	2099223	14.973	ppbv	97
16) 1,3-Butadiene	3.38	39	105670m	1.602	ppbv	
17) tert-Butyl alcohol	4.40	59	81215	3.764	ppbv #	100
20) Methylene Chloride	4.45	84	35486	0.664	ppbv #	94
26) Hexane	5.82	57	106130	0.716	ppbv #	48
34) 2-Butanone	5.37	43	227385	1.032	ppbv	96
36) Benzene	7.04	78	53493	0.190	ppbv	94
52) Tetrachloroethene	11.42	164	12187m	0.139	ppbv	
53) Toluene	9.99	91	251310	0.852	ppbv	97
58) Ethyl Benzene	12.91	91	79659	0.210	ppbv	95
59) m/p-Xylene	13.16	91	251133m	0.744	ppbv	
60) o-Xylene	13.90	91	80298	0.242	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	101395	0.256	ppbv #	67

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

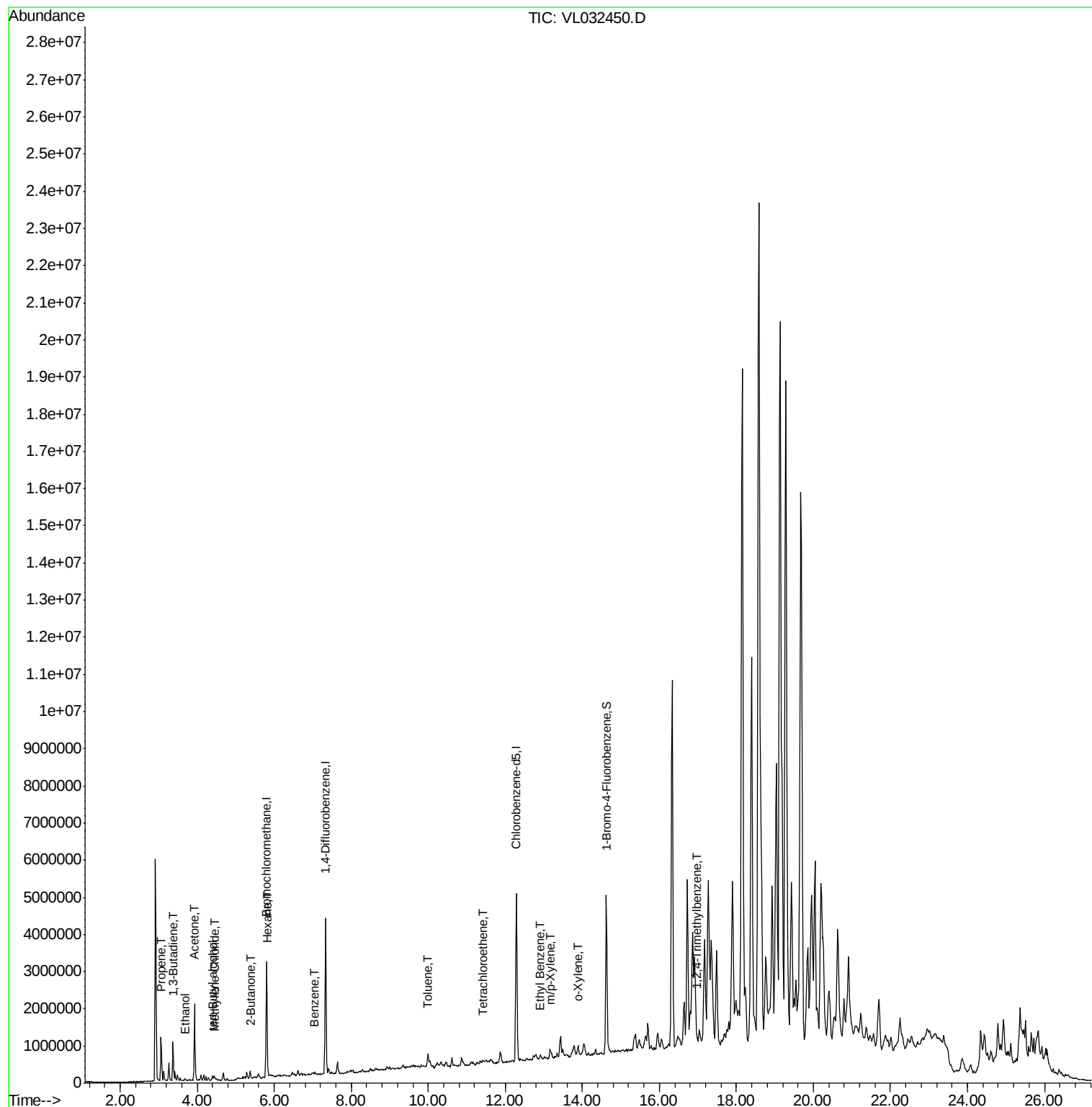
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032450.D
Acq On : 31 Aug 2018 21:37
Operator : SY/AP
Sample : J4717-04DL 20X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

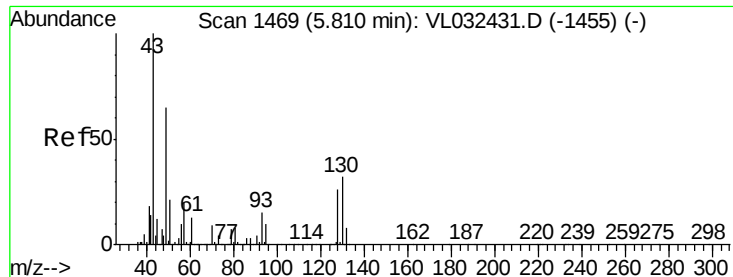
Instrument :
MSVOA_L
ClientSampleId :
VP-03DL

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Quant Time: Sep 02 22:47:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

Instrument :

MSVOA_L

ClientSampled :

VP-03DL

Tgt Ion: 49 Resp: 1556842

Ion Ratio Lower Upper

49 100

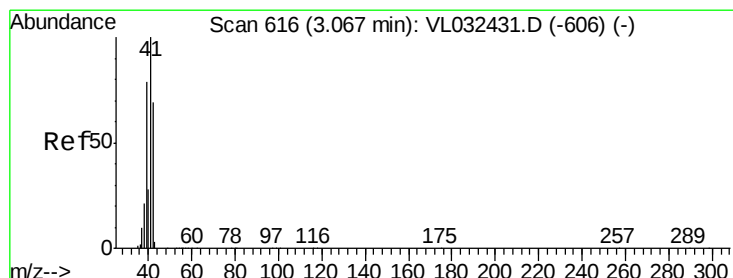
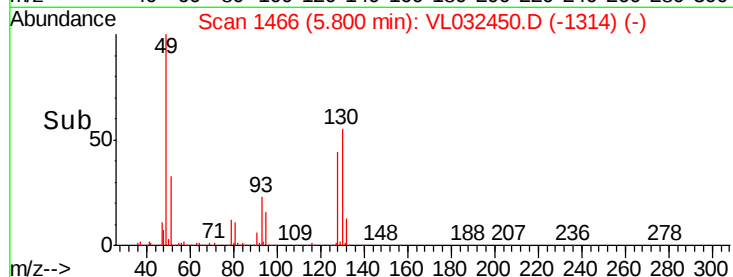
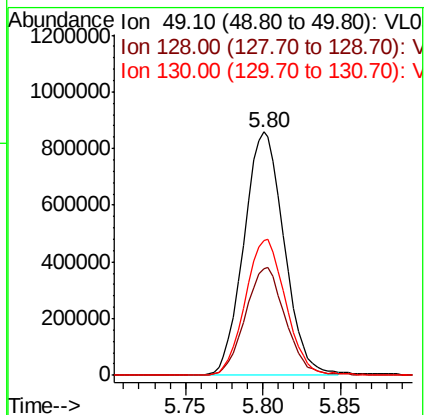
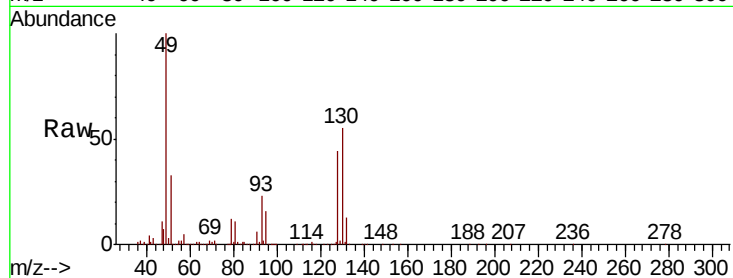
128 44.7 20.7 62.1

130 56.7 26.6 79.7

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#9

Propene

Concen: 9.217 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032450.D

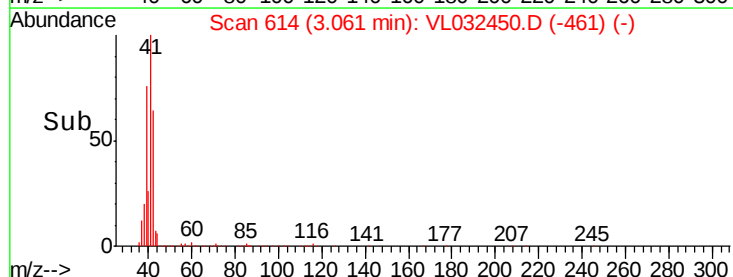
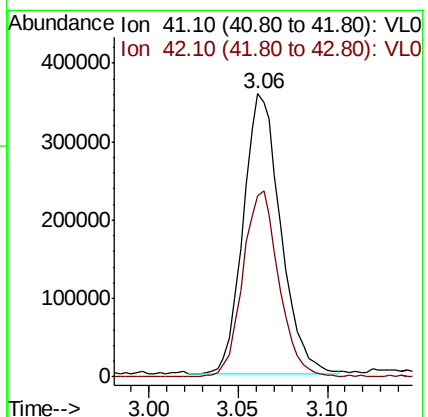
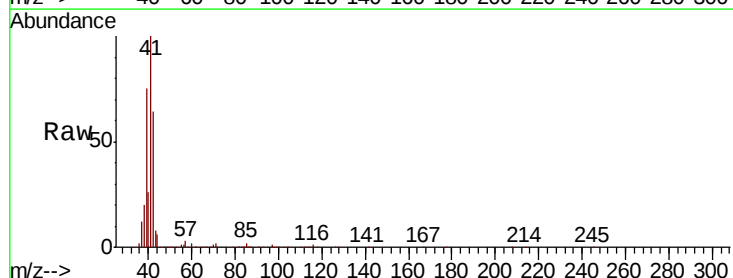
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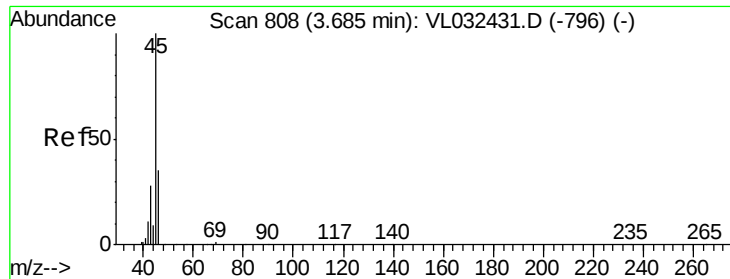
Tgt Ion: 41 Resp: 523973

Ion Ratio Lower Upper

41 100

42 63.5 56.6 84.8





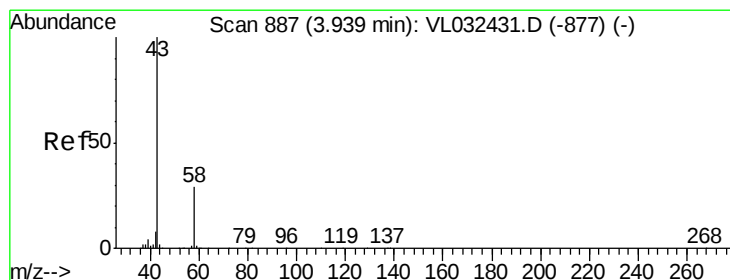
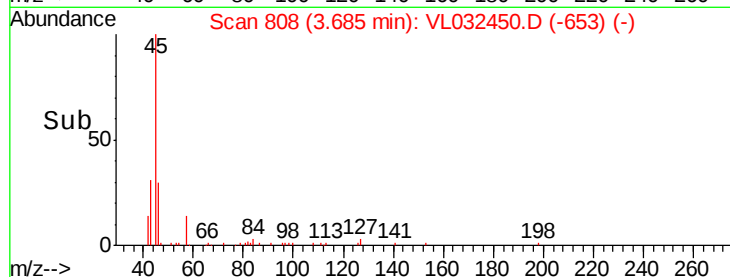
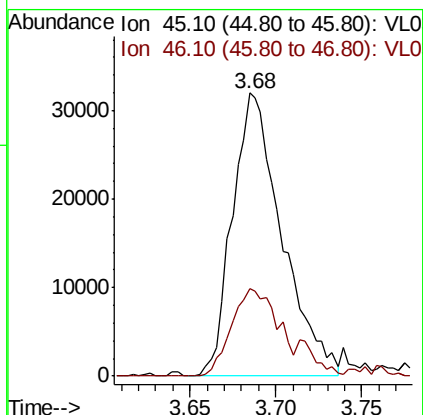
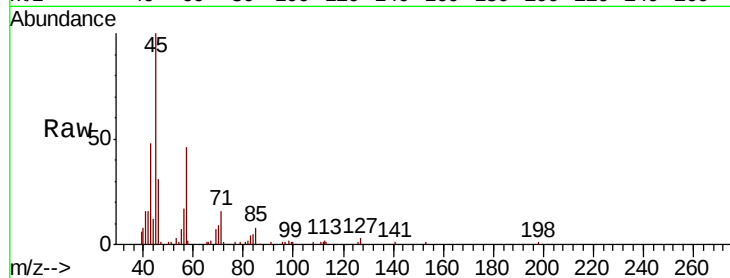
#13
Ethanol
Concen: 3.604 ppbv
RT: 3.68 min Scan# 808
Delta R.T. -0.00 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Instrument :
MSVOA_L
ClientSampleId :
VP-03DL

Tgt Ion: 45 Resp: 63870
Ion Ratio Lower Upper
45 100
46 33.7 14.2 56.8

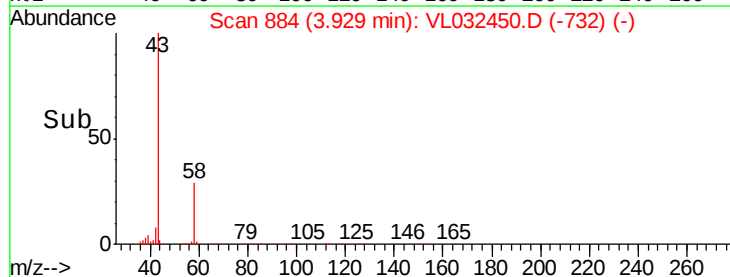
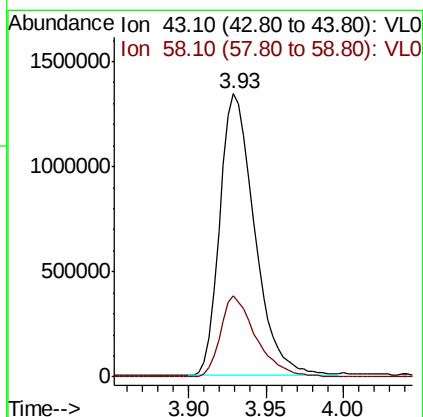
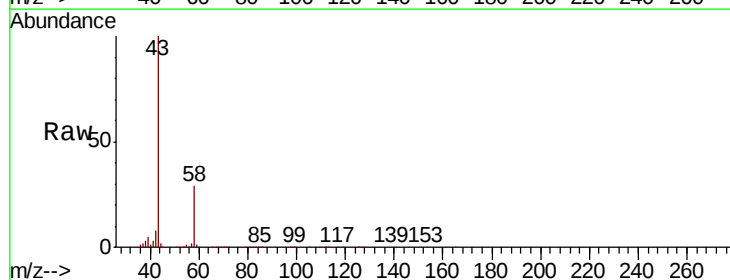
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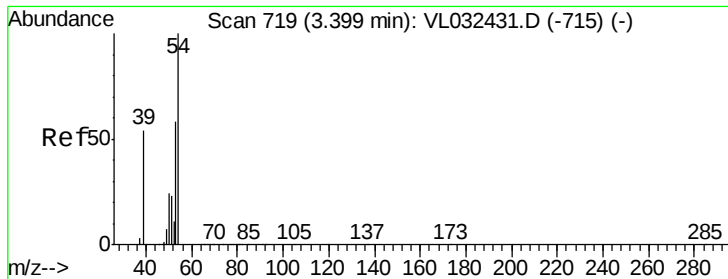
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#15
Acetone
Concen: 14.973 ppbv
RT: 3.93 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Tgt Ion: 43 Resp: 2099223
Ion Ratio Lower Upper
43 100
58 29.6 22.6 33.8





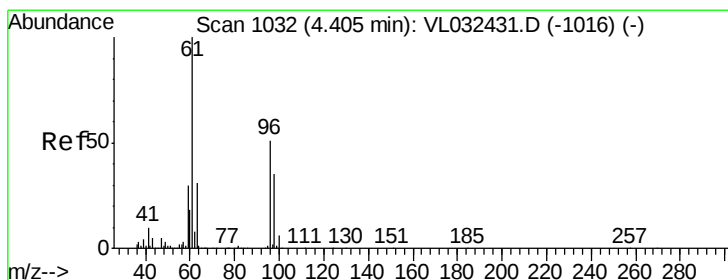
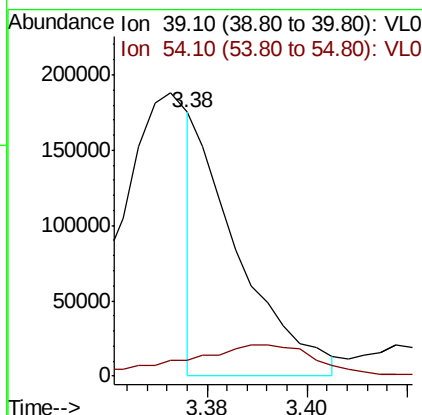
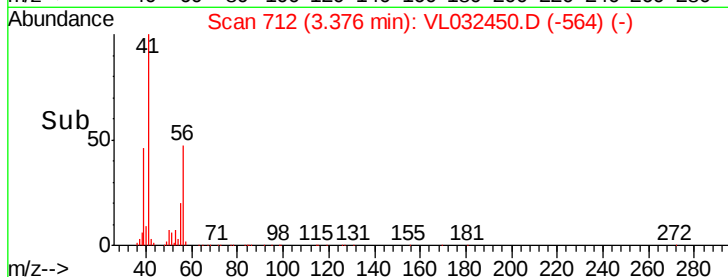
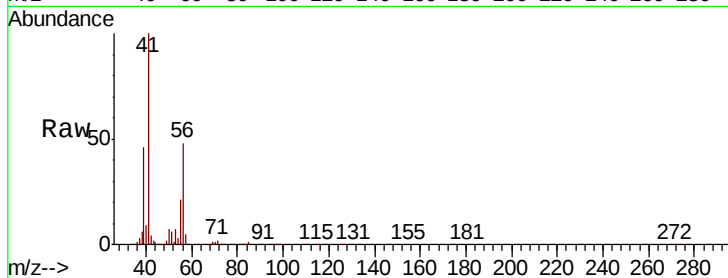
#16
1,3-Butadiene
Concen: 1.602 ppbv m
RT: 3.38 min Scan# 712
Delta R.T. -0.02 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Instrument :
MSVOA_L
ClientSampleId :
VP-03DL

Tgt Ion: 39 Resp: 105670
Ion Ratio Lower Upper
39 100
54 0.0 80.8 121.2#

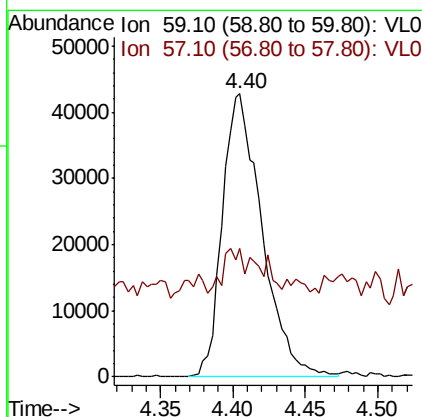
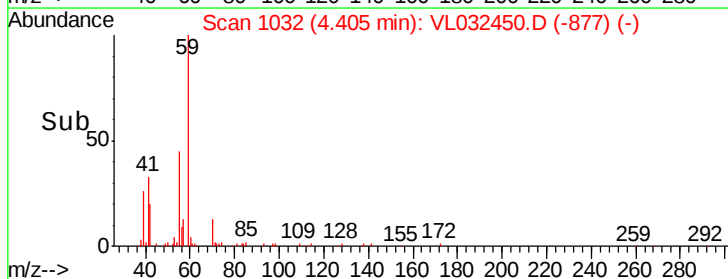
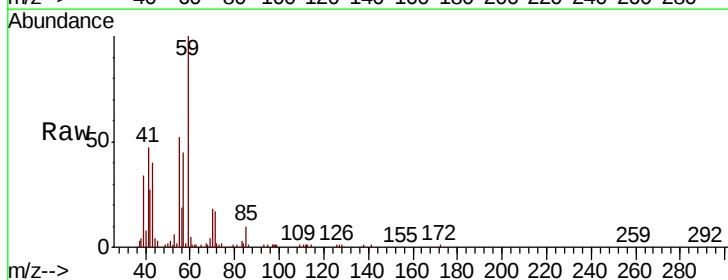
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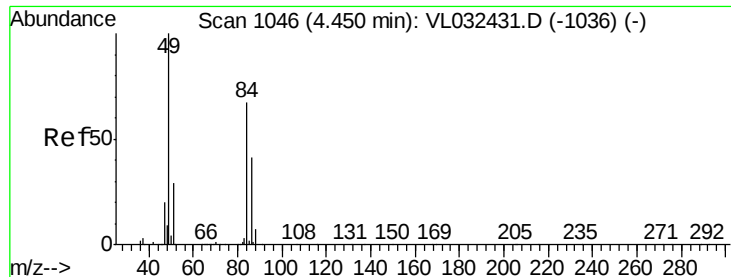
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#17
tert-Butyl alcohol
Concen: 3.764 ppbv
RT: 4.40 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Tgt Ion: 59 Resp: 81215
Ion Ratio Lower Upper
59 100
57 33.0 0.0 0.0#





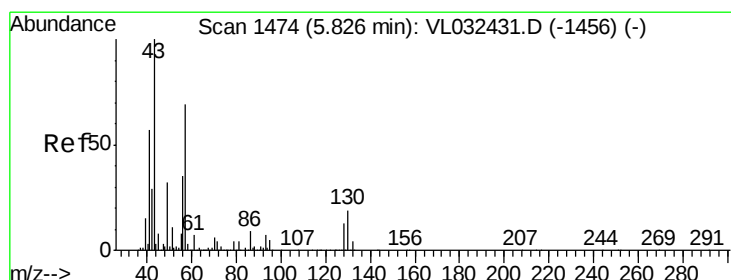
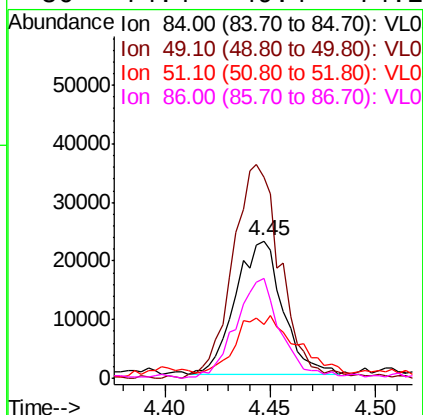
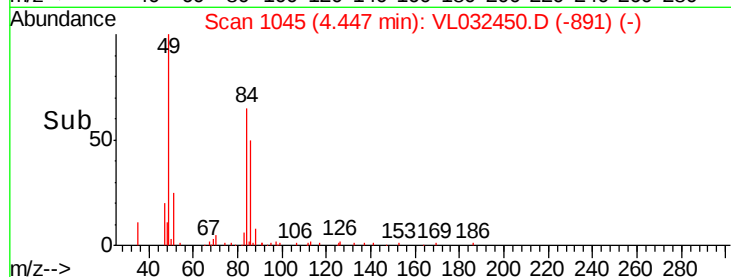
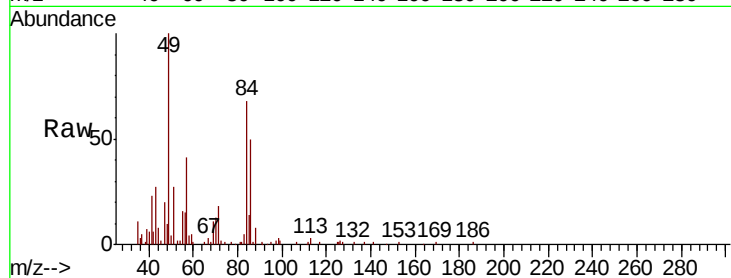
#20
Methylene Chloride
Concen: 0.664 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Instrument :
MSVOA_L
ClientSampled :
VP-03DL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.5	119.1	178.7
51	35.2	35.2	52.8
86	74.4	49.4	74.2#

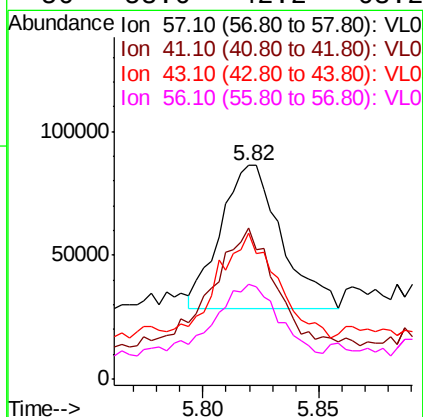
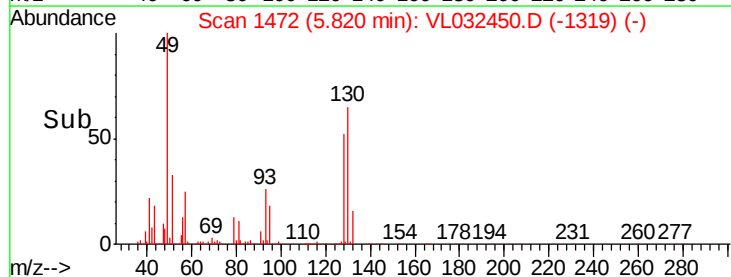
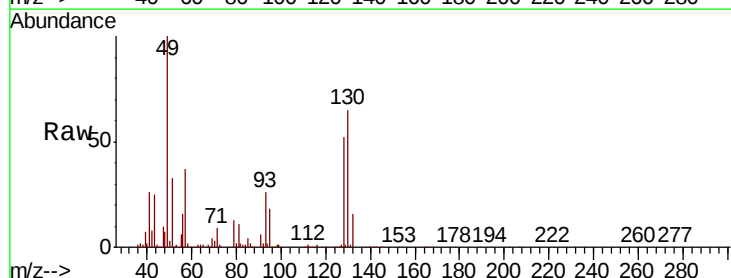
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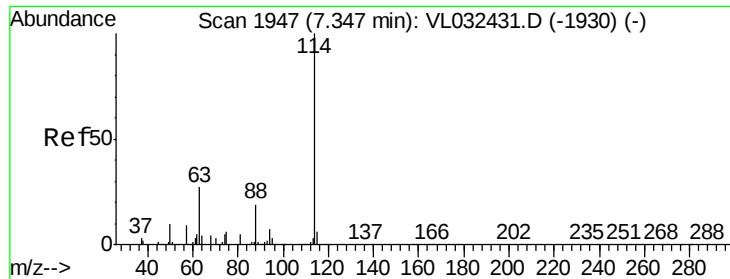
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#26
Hexane
Concen: 0.716 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.0	69.0	103.4
43	88.5	172.1	258.1#
56	58.6	42.2	63.2





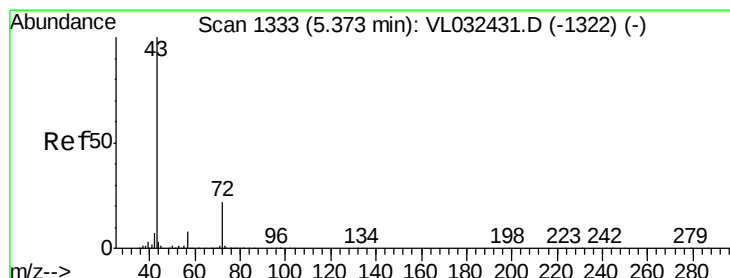
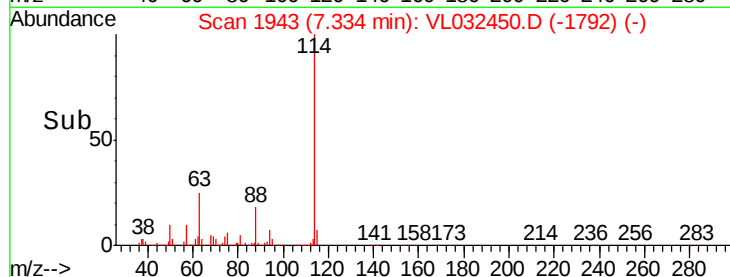
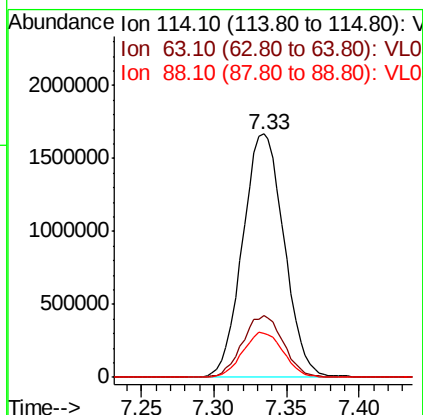
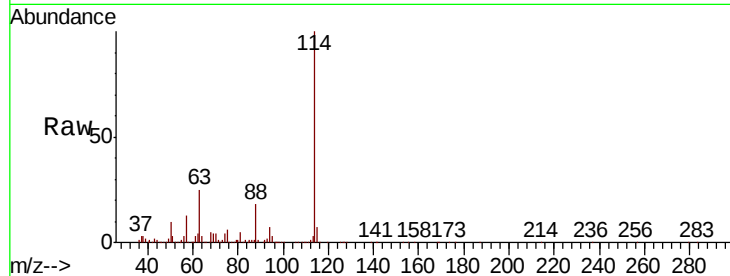
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VL032450.D
 Acq: 31 Aug 2018 21:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	22.2	33.4
88	18.3	15.0	22.4

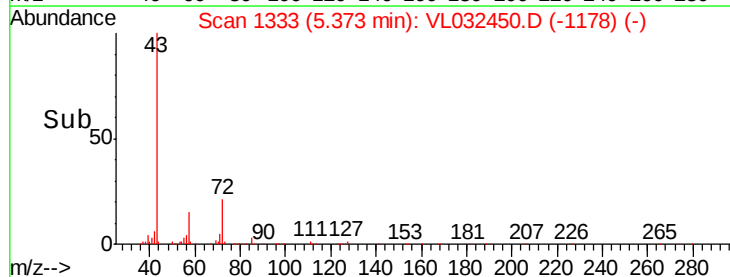
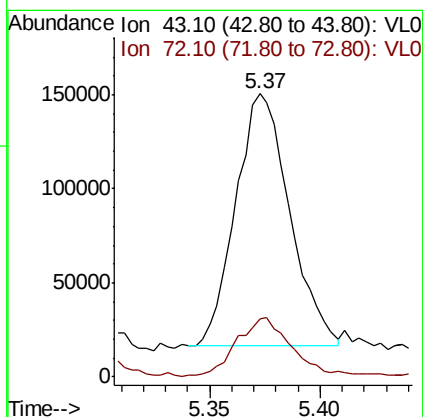
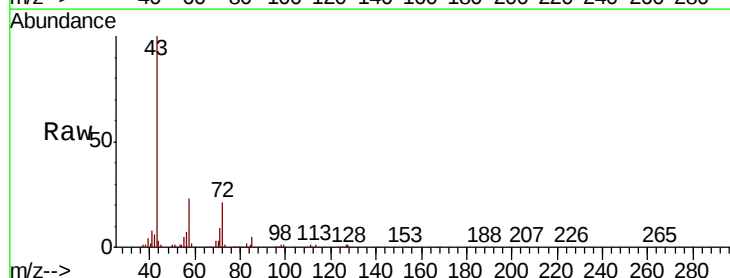
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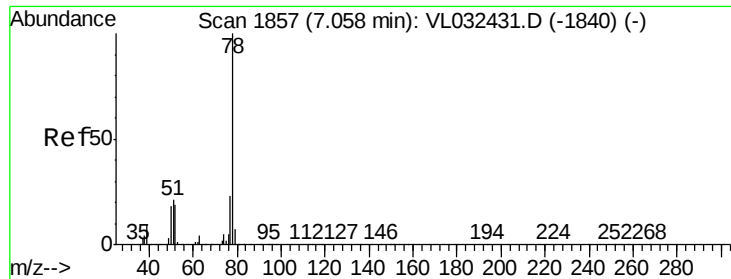
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#34
 2-Butanone
 Concen: 1.032 ppbv
 RT: 5.37 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VL032450.D
 Acq: 31 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.8	26.6





#36

Benzene

Concen: 0.190 ppbv

RT: 7.04 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

Instrument :

MSVOA_L

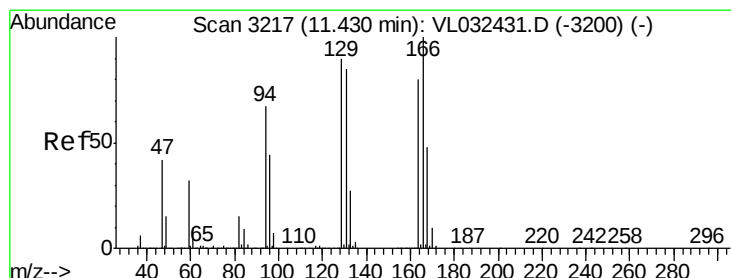
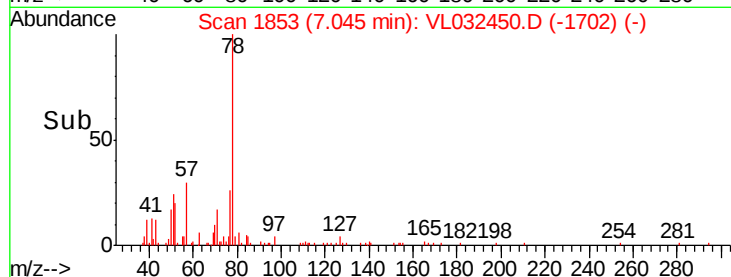
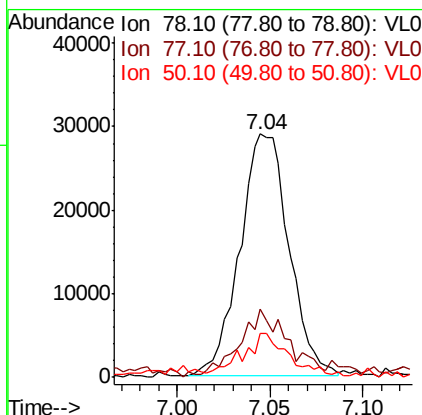
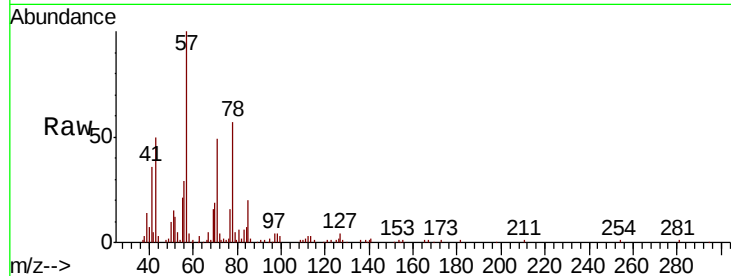
ClientSampleId :

VP-03DL

Tgt Ion:	78	Resp:	53493
Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.4	27.6
50	15.9	14.4	21.6

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#52

Tetrachloroethene

Concen: 0.139 ppbv m

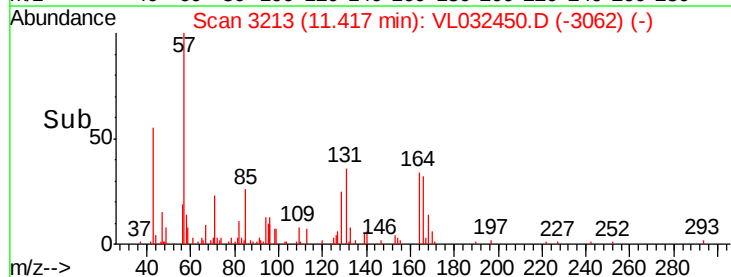
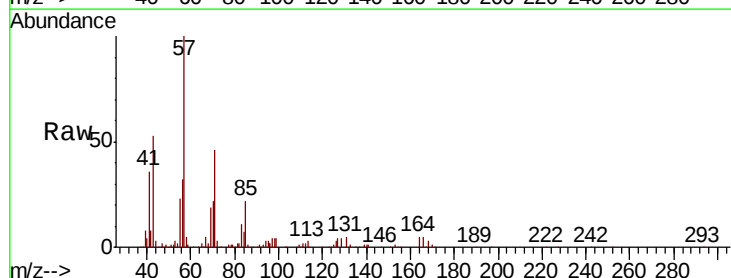
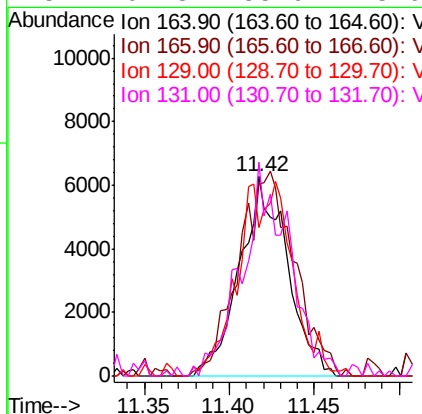
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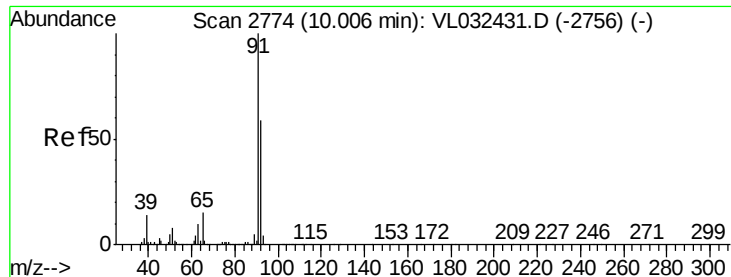
Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

Tgt Ion:	164	Resp:	12187
Ion	Ratio	Lower	Upper
164	100		
166	96.4	100.6	150.8#
129	74.5	89.9	134.9#
131	107.3	85.9	128.9





#53

Toluene

Concen: 0.852 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

Instrument :

MSVOA_L

ClientSampled :

VP-03DL

Tgt Ion: 91 Resp: 251310

Ion Ratio Lower Upper

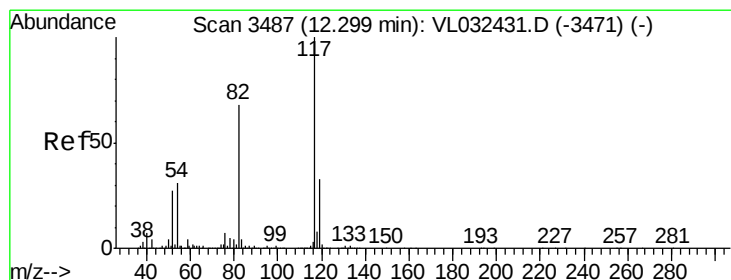
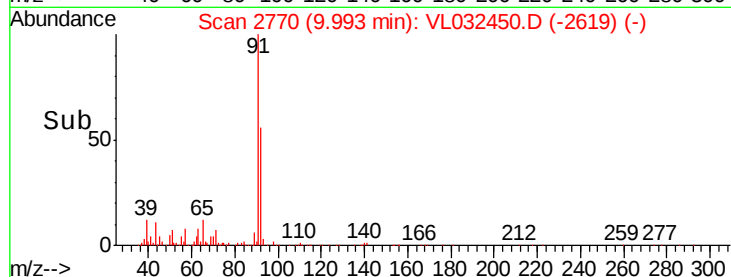
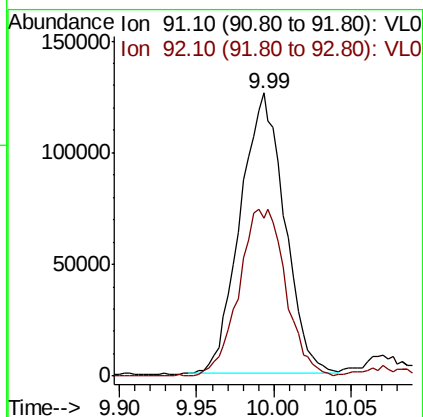
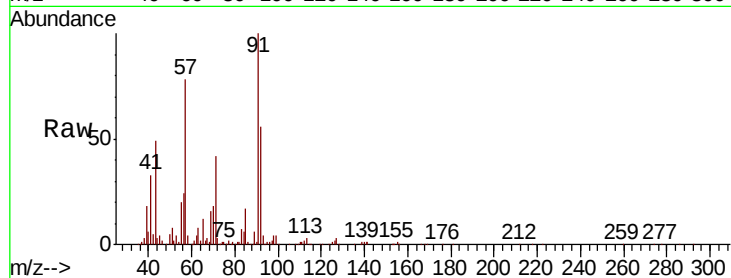
91 100

92 62.4 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

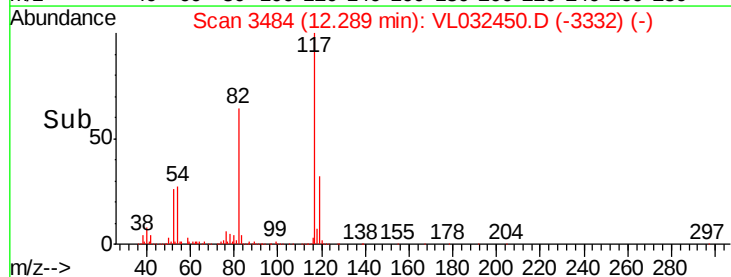
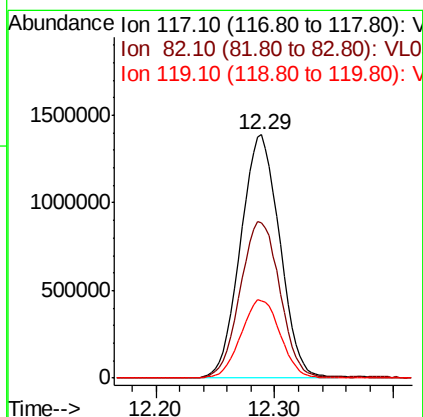
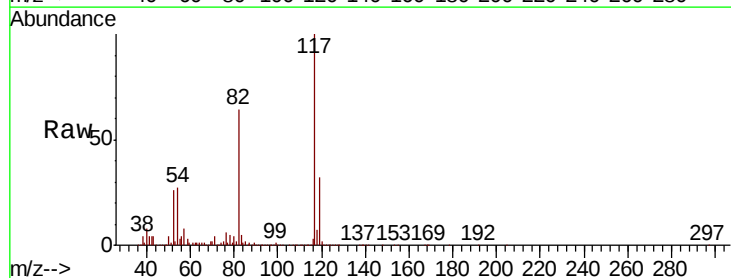
Tgt Ion: 117 Resp: 3163724

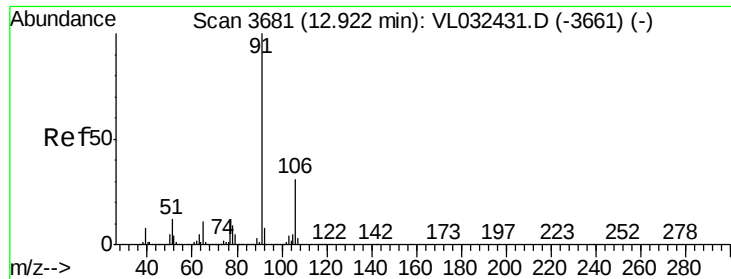
Ion Ratio Lower Upper

117 100

82 65.5 53.0 79.6

119 32.7 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.210 ppbv

RT: 12.91 min Scan# 3677

Delta R.T. -0.01 min

Lab File: VL032450.D

Acq: 31 Aug 2018 21:37

Instrument :

MSVOA_L

ClientSampleId :

VP-03DL

Tgt Ion: 91 Resp: 79659

Ion Ratio Lower Upper

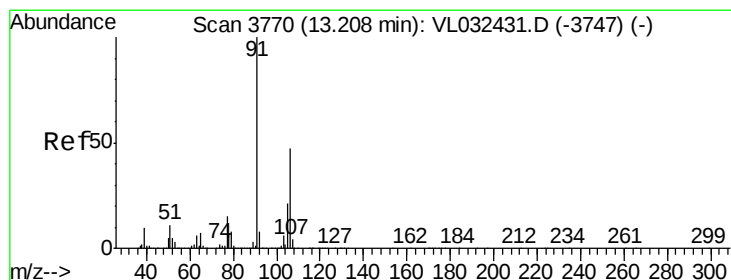
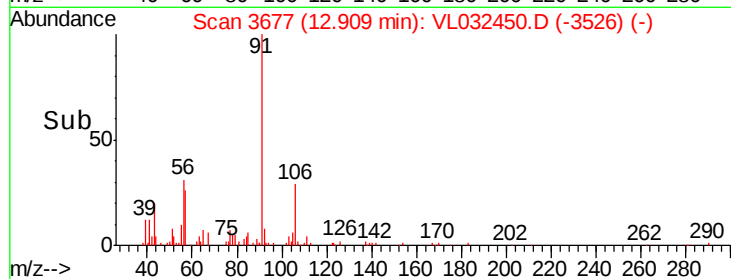
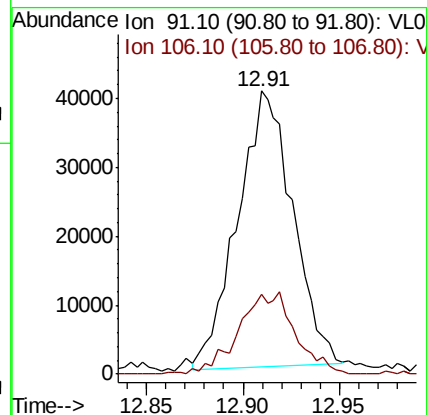
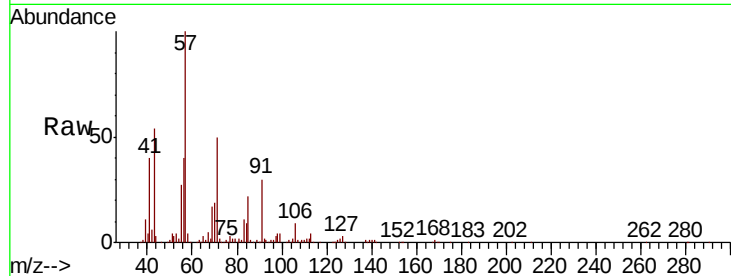
91 100

106 28.2 24.8 37.2

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#59

m/p-Xylene

Concen: 0.744 ppbv m

RT: 13.16 min Scan# 3756

Delta R.T. -0.05 min

Lab File: VL032450.D

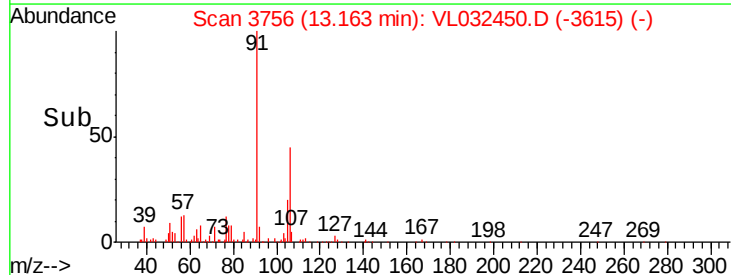
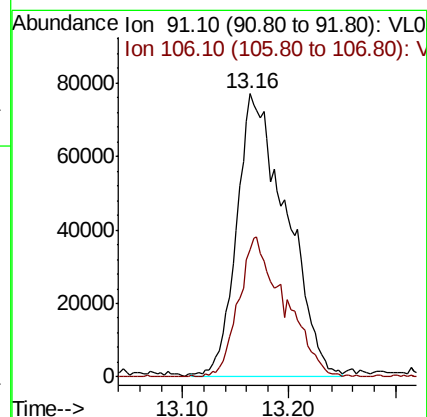
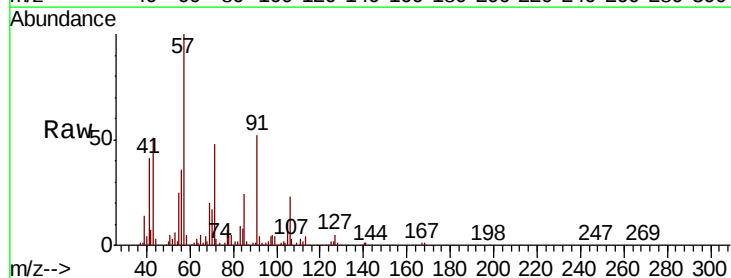
Acq: 31 Aug 2018 21:37

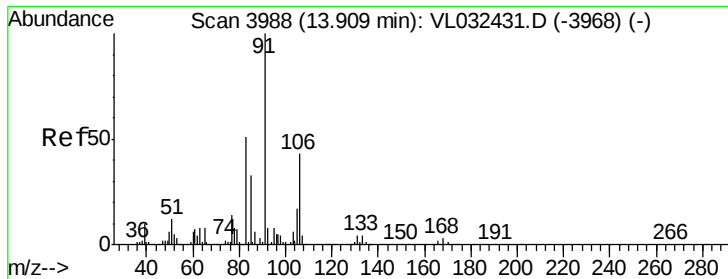
Tgt Ion: 91 Resp: 251133

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#





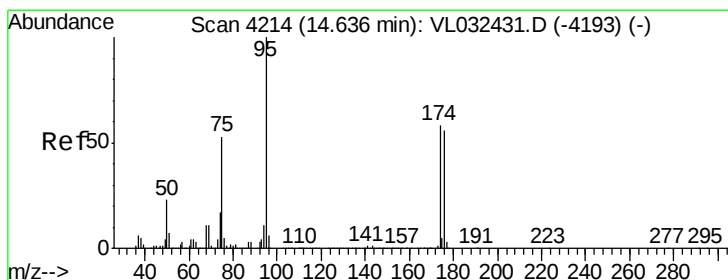
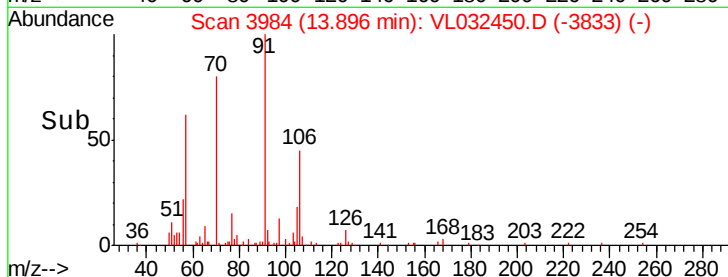
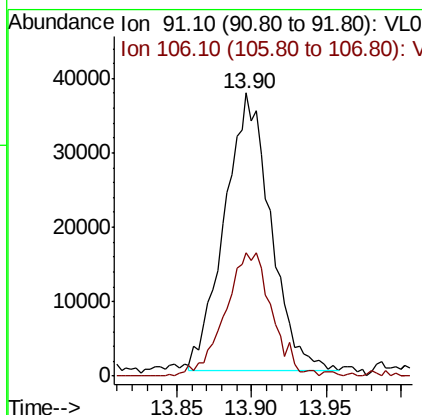
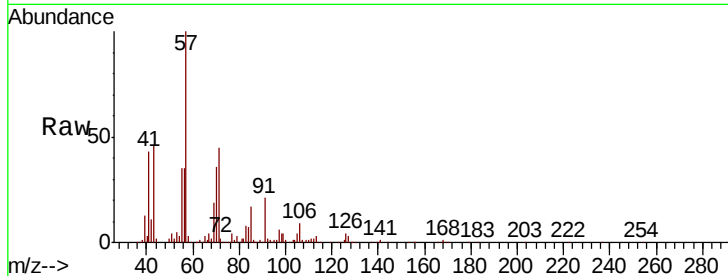
#60
o-Xylene
Concen: 0.242 ppbv
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Instrument :
MSVOA_L
ClientSampled :
VP-03DL

Tgt Ion: 91 Resp: 80298
Ion Ratio Lower Upper
91 100
106 46.0 21.9 65.7

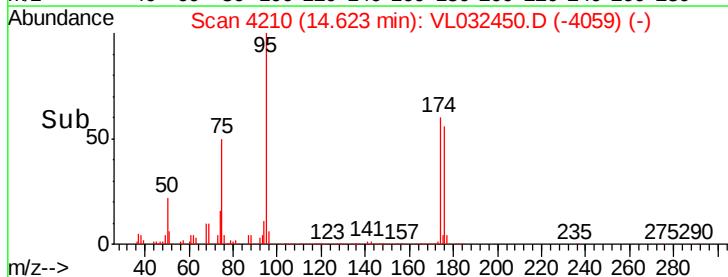
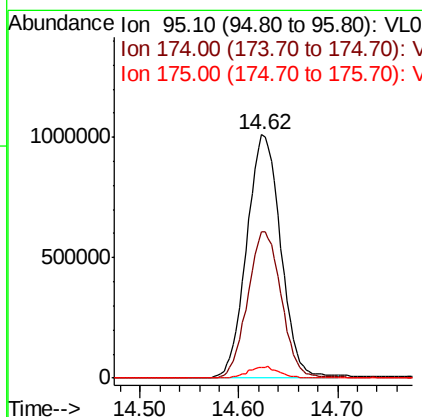
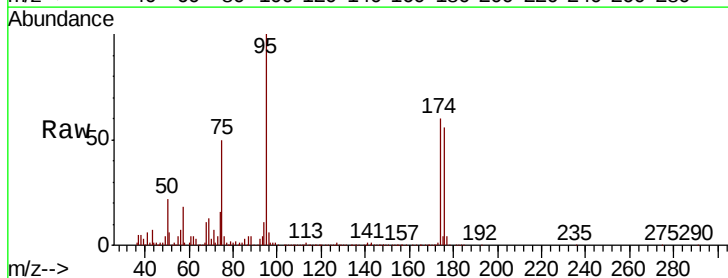
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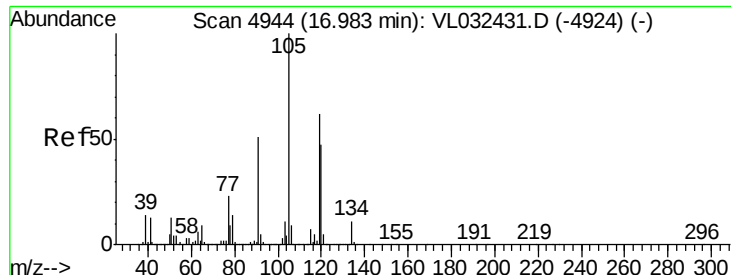
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.218 ppbv
RT: 14.62 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VL032450.D
Acq: 31 Aug 2018 21:37

Tgt Ion: 95 Resp: 2400144
Ion Ratio Lower Upper
95 100
174 60.3 46.3 69.5
175 4.5 3.4 5.0





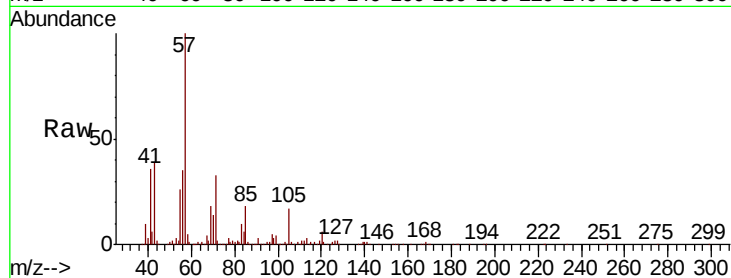
#74
 1,2,4-Trimethylbenzene
 Concen: 0.256 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. -0.01 min
 Lab File: VL032450.D
 Acq: 31 Aug 2018 21:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	37.0	37.8	56.8#
91	13.8	41.4	62.0#
77	13.0	18.6	28.0#

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Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

