

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032780.D
 Acq On : 20 Nov 2018 16:10
 Operator : SY/AP
 Sample : J5961-03 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:42 AM

Quant Time: Nov 21 04:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1524637	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3858122	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3589040	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2763742	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.93	43	41623	0.299	ppbv	92
20) Methylene Chloride	4.42	84	17597	0.244	ppbv	86
26) Hexane	5.79	57	46869	0.324	ppbv #	41
27) Carbon Disulfide	4.63	76	49717	0.271	ppbv #	70
38) Trichloroethene	7.97	130	33302m	0.268	ppbv	
52) Tetrachloroethene	11.41	164	14551719	136.157	ppbv	94
53) Toluene	9.96	91	37146	0.116	ppbv	91
59) m/p-Xylene	13.14	91	103690m	0.270	ppbv	
60) o-Xylene	13.86	91	55398	0.143	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	98330m	0.222	ppbv	

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

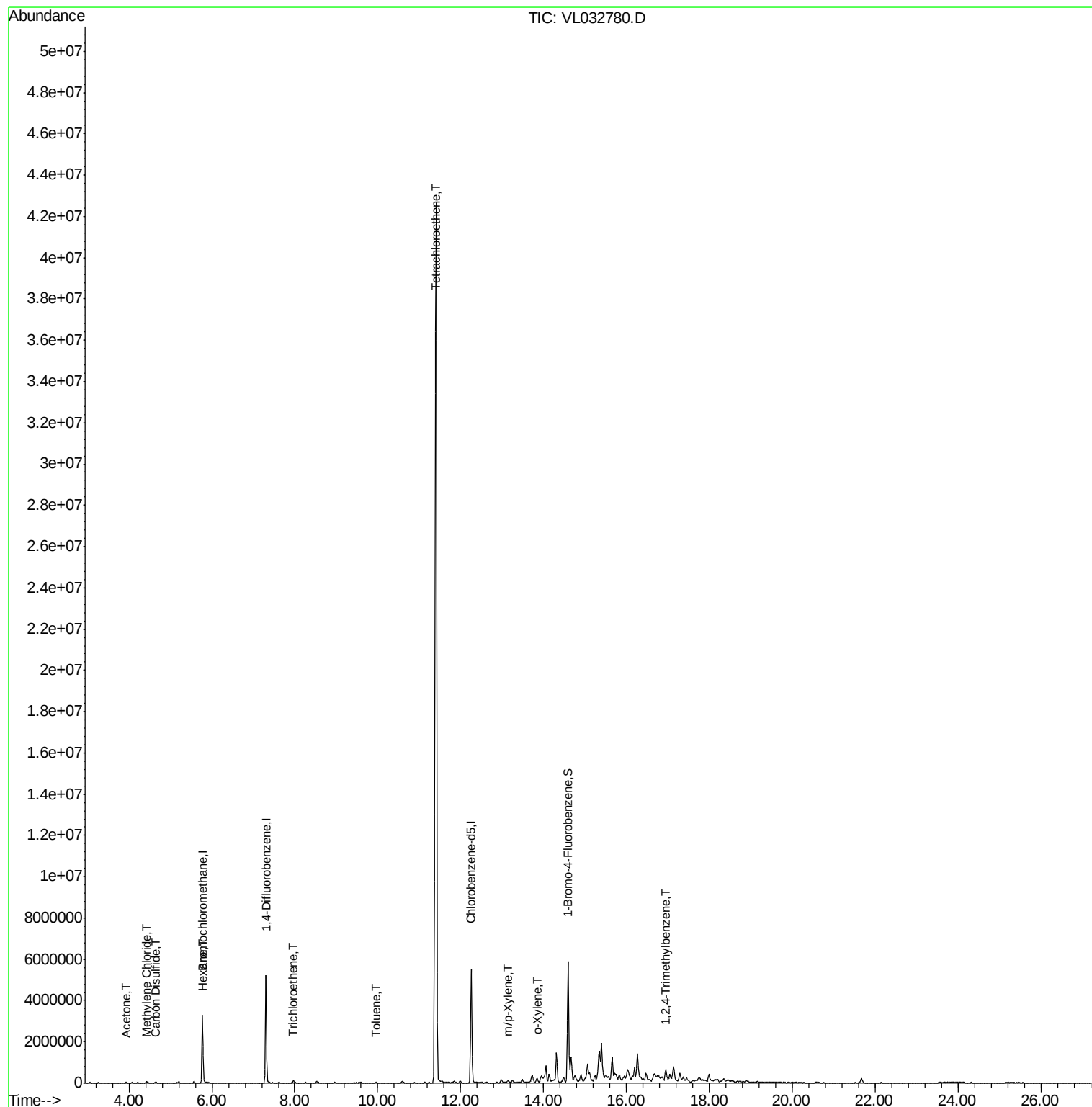
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032780.D
Acq On : 20 Nov 2018 16:10
Operator : SY/AP
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Misc : 400ml/MSVOA L
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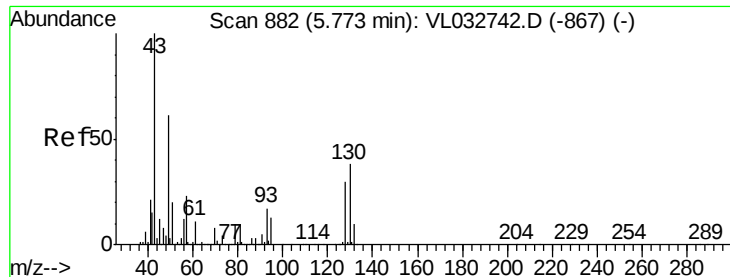
Instrument :
MSVOA_L
ClientSampleId :
SV1

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Quant Time: Nov 21 04:57:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032780.D

Acq: 20 Nov 2018 16:10

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 49 Resp: 1524637

Ion Ratio Lower Upper

49 100

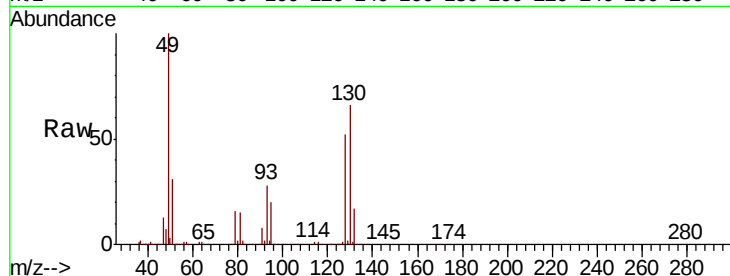
128 52.2 24.9 74.6

130 67.8 31.4 94.2

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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

5.77

800000

600000

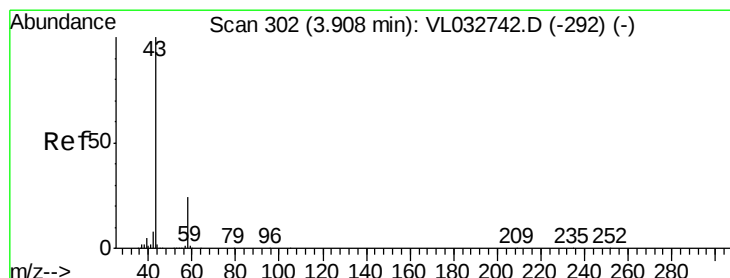
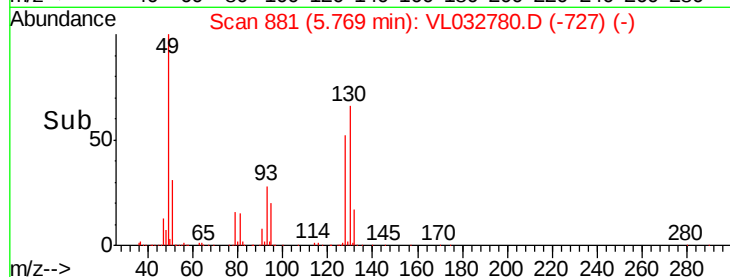
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#15

Acetone

Concen: 0.299 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.03 min

Lab File: VL032780.D

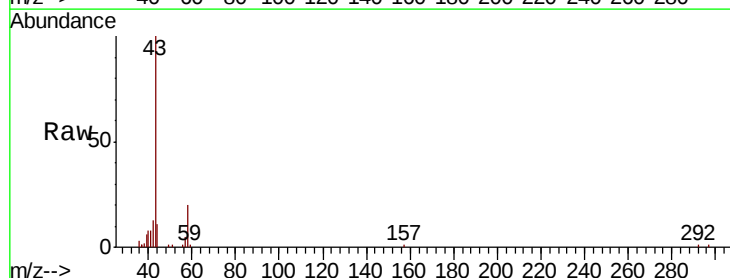
Acq: 20 Nov 2018 16:10

Tgt Ion: 43 Resp: 41623

Ion Ratio Lower Upper

43 100

58 30.4 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

30000

25000

20000

15000

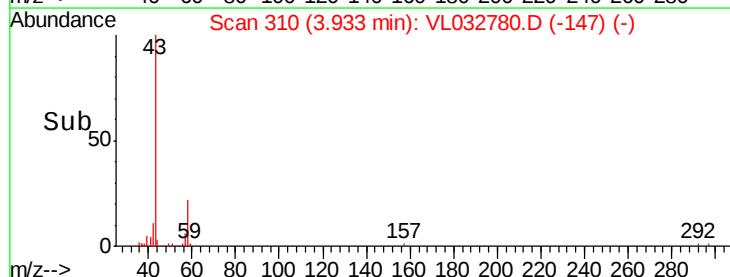
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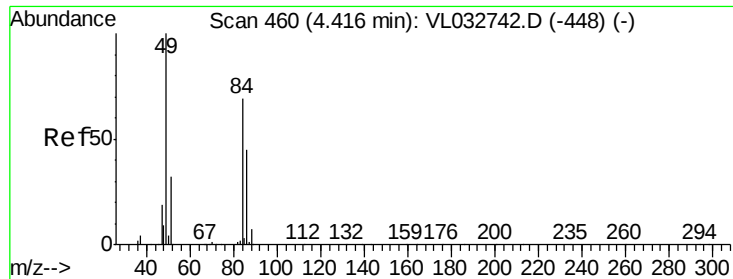
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0

3.90 3.95

Time-->





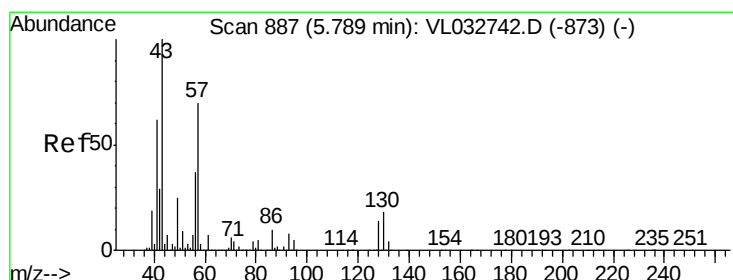
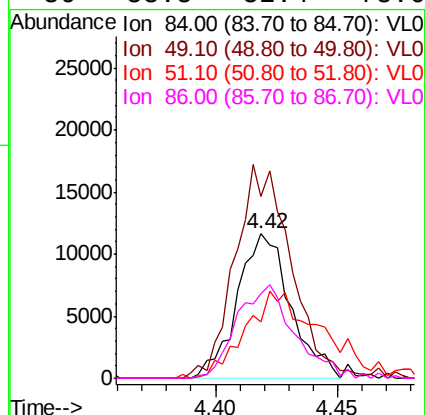
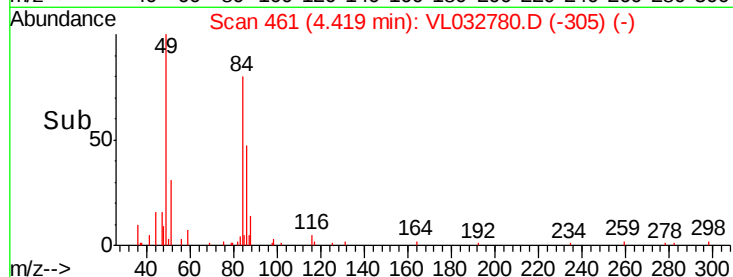
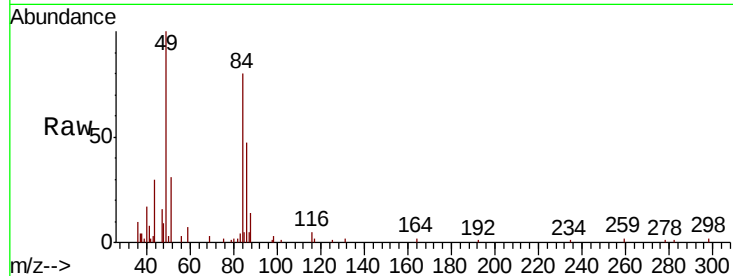
#20
Methvlene Chloride
Concen: 0.244 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion:	84	Resp:	17597
Ion Ratio	Lower	Upper	
84	100		
49	122.2	115.8	173.6
51	39.3	36.9	55.3
86	58.5	52.4	78.6

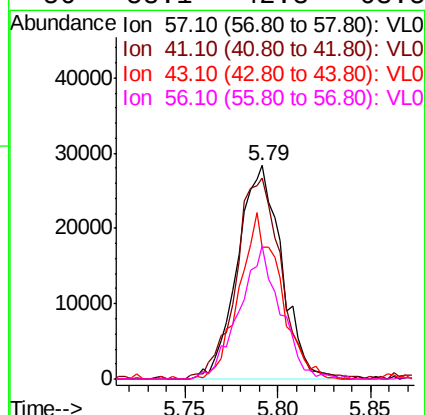
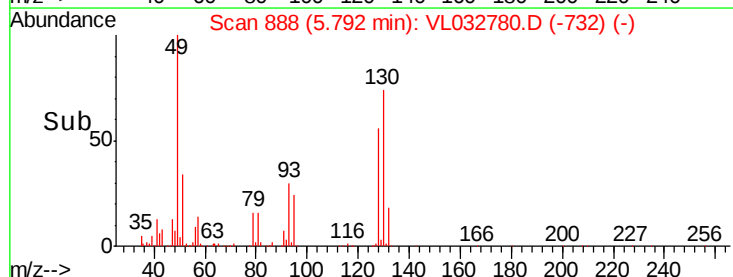
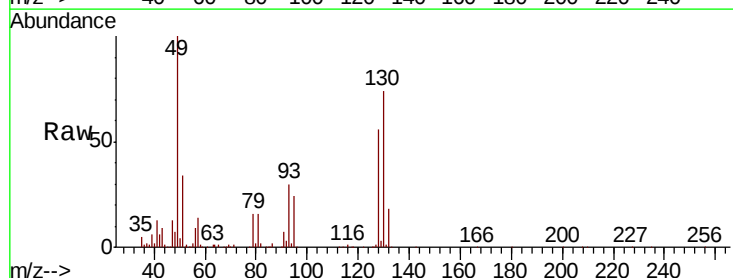
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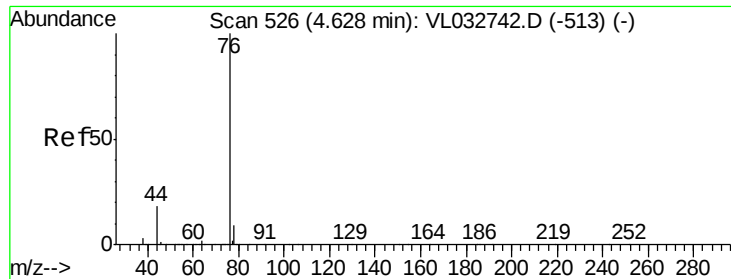
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#26
Hexane
Concen: 0.324 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Tgt Ion:	57	Resp:	46869
Ion Ratio	Lower	Upper	
57	100		
41	96.0	70.3	105.5
43	71.9	174.0	261.0#
56	58.1	42.3	63.5





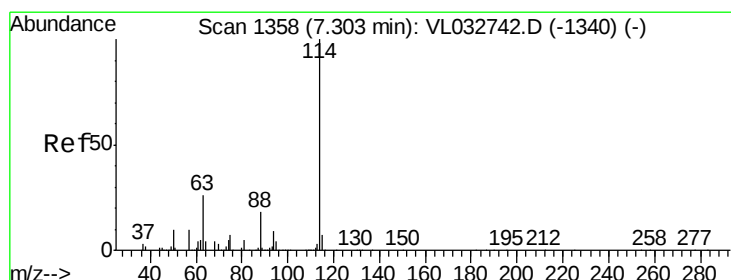
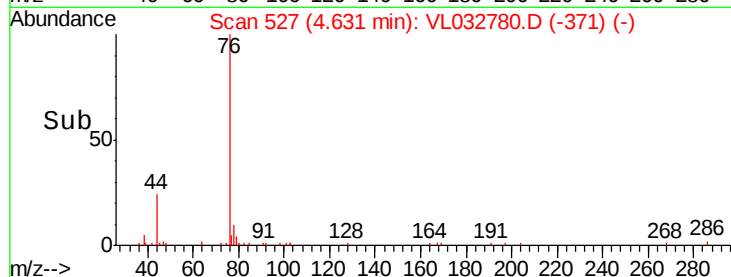
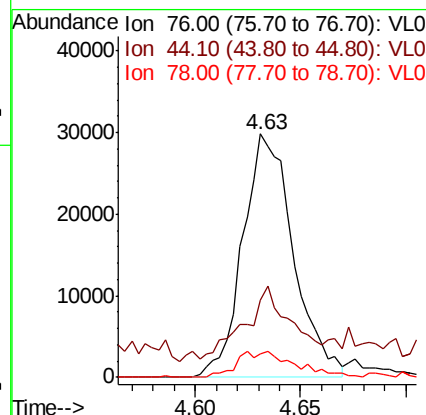
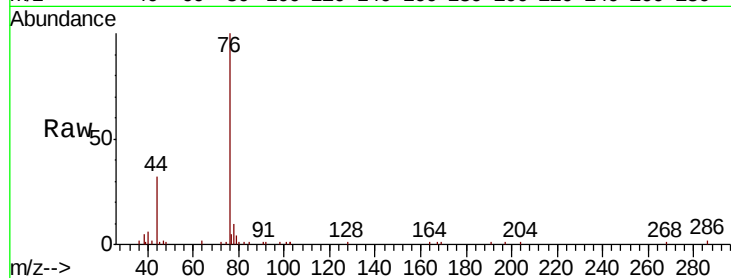
#27
Carbon Disulfide
Concen: 0.271 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Lower	Upper
76	100		
44	35.9	14.4	21.6#
78	13.1	7.7	11.5#

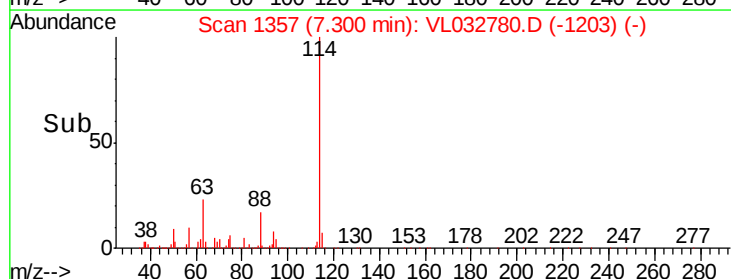
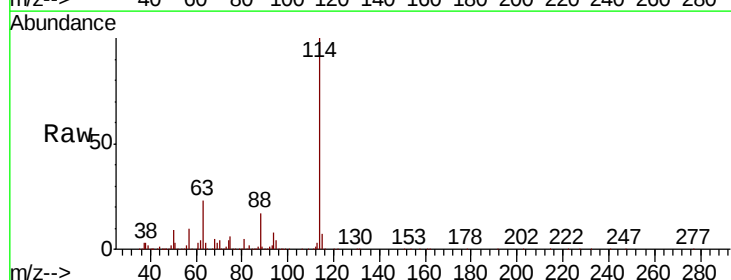
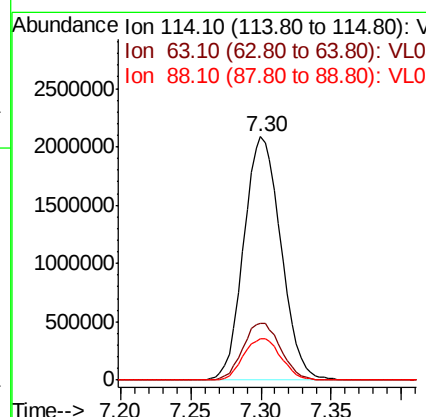
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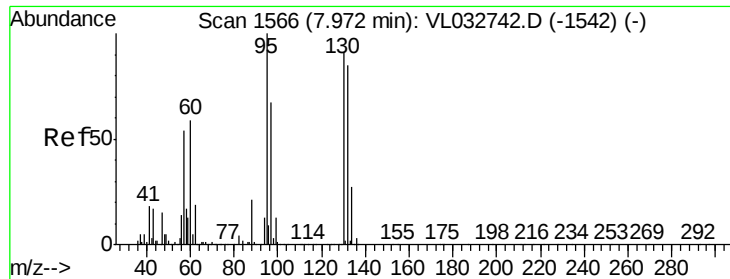
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	20.9	31.3
88	17.3	14.4	21.6





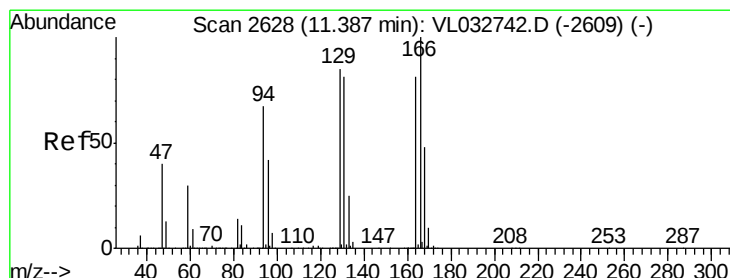
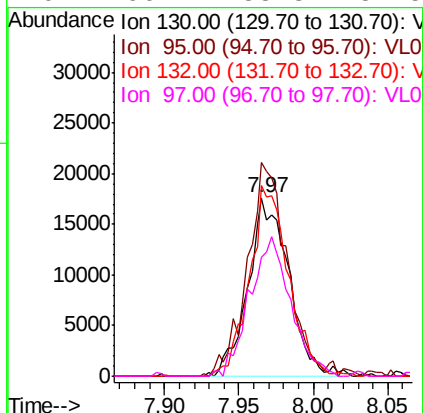
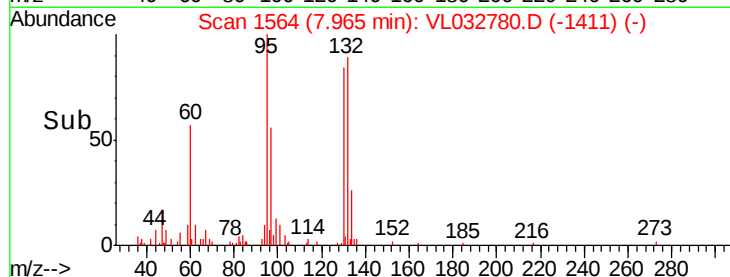
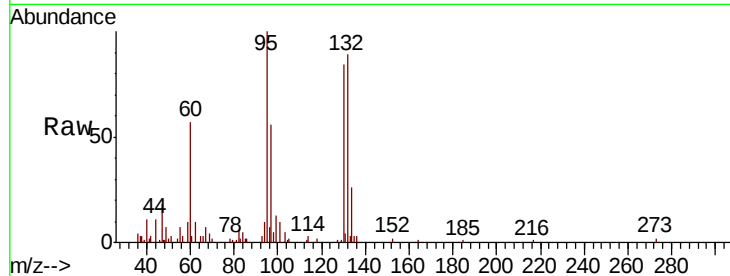
#38
 Trichloroethene
 Concen: 0.268 ppbv m
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL032780.D
 Acq: 20 Nov 2018 16:10

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
130	100		
95	119.6	87.7	131.5
132	106.9	74.6	111.8
97	66.7	58.3	87.5

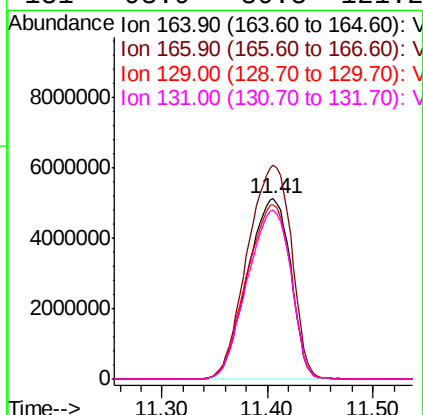
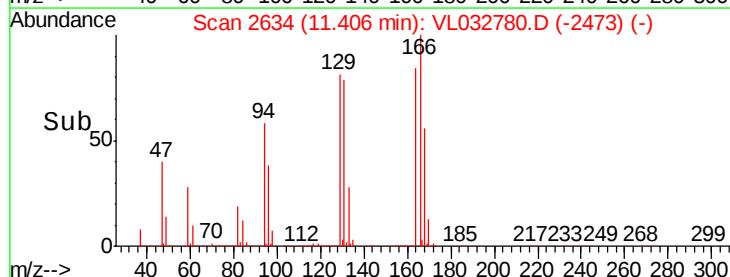
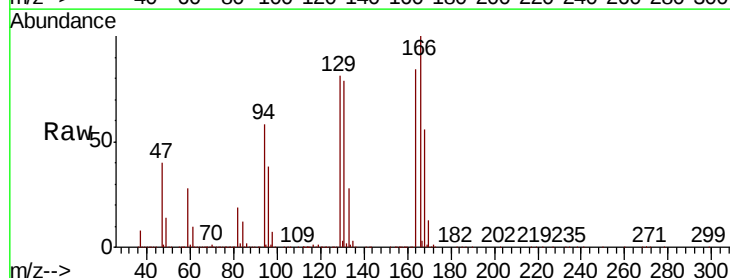
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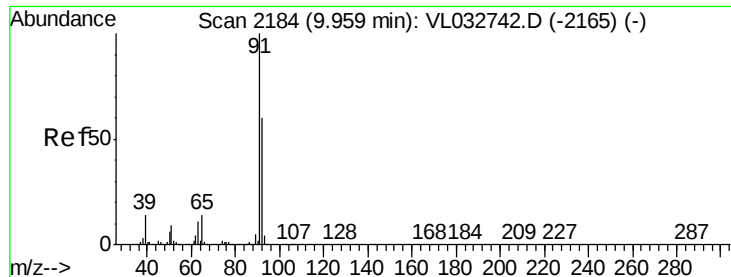
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#52
 Tetrachloroethene
 Concen: 136.157 ppbv
 RT: 11.41 min Scan# 2634
 Delta R.T. 0.02 min
 Lab File: VL032780.D
 Acq: 20 Nov 2018 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	99.3	148.9
129	96.8	83.9	125.9
131	93.9	80.8	121.2





#53

Toluene

Concen: 0.116 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032780.D

Acq: 20 Nov 2018 16:10

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 91 Resp: 37146

Ion Ratio Lower Upper

91 100

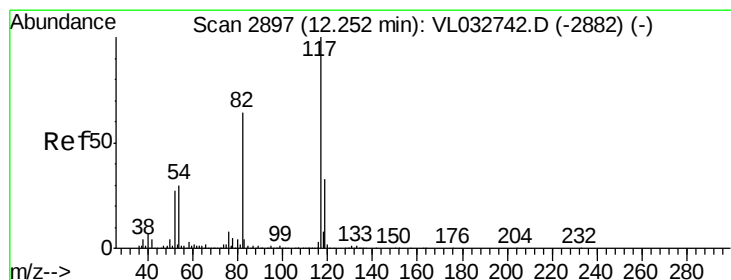
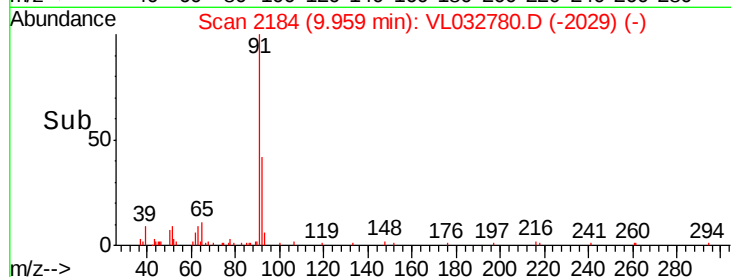
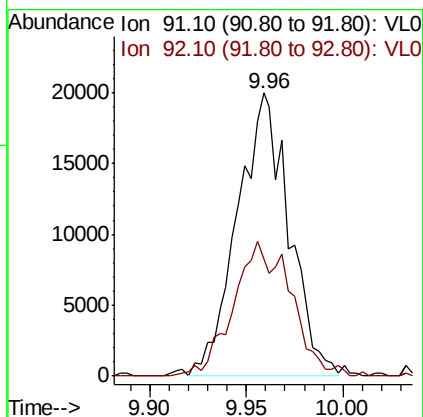
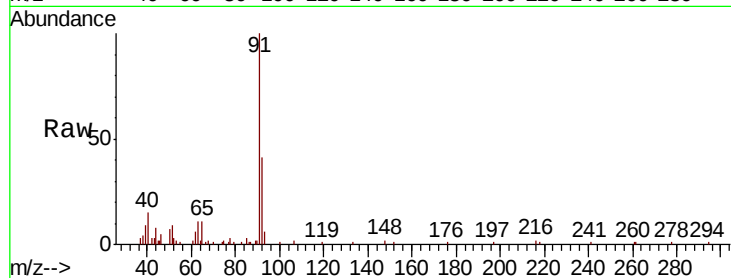
92 53.1 47.9 71.9

Manual Integrations

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11/26/2018 9:18:42 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL032780.D

Acq: 20 Nov 2018 16:10

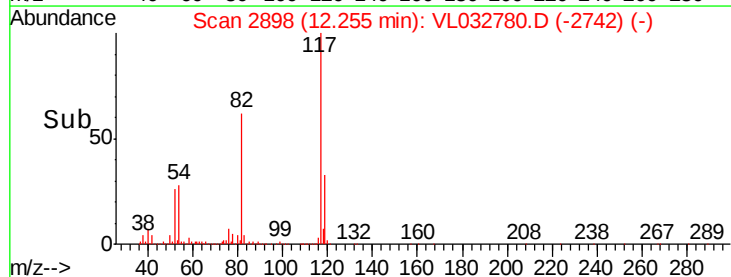
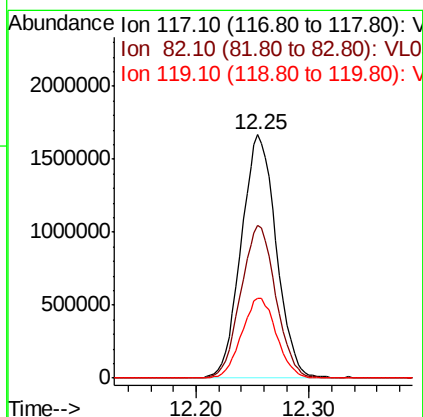
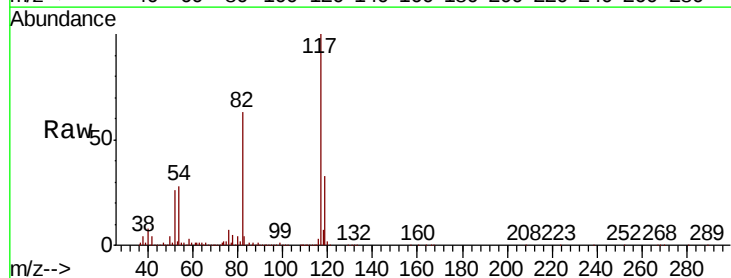
Tgt Ion: 117 Resp: 3589040

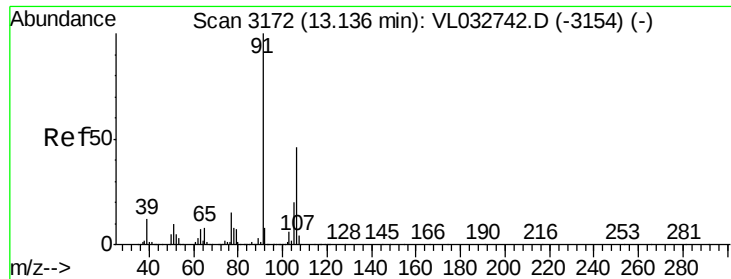
Ion Ratio Lower Upper

117 100

82 62.9 51.0 76.6

119 32.8 28.0 42.0





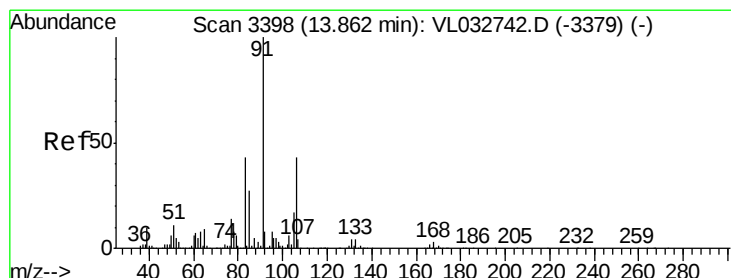
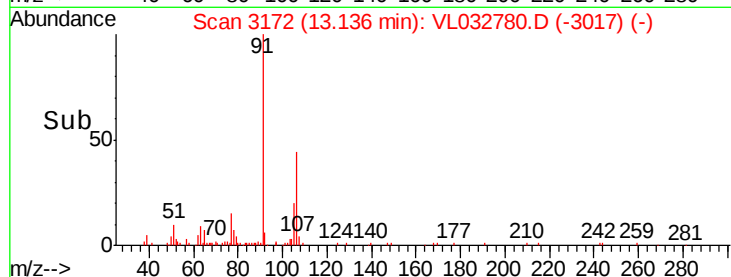
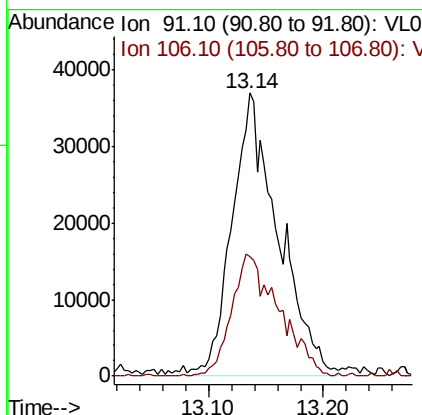
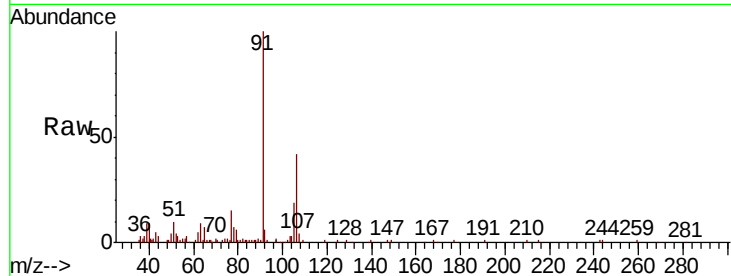
#59
m/p-Xylene
Concen: 0.270 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 91 Resp: 103690
Ion Ratio Lower Upper
91 100
106 44.1 36.1 54.1

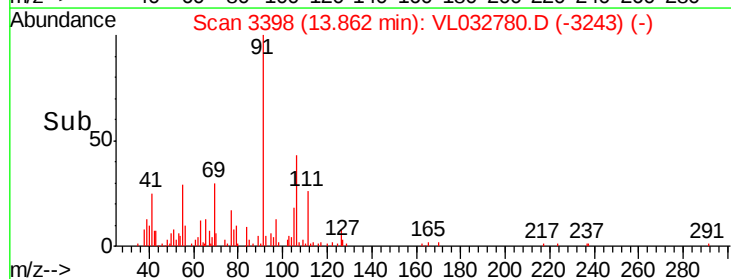
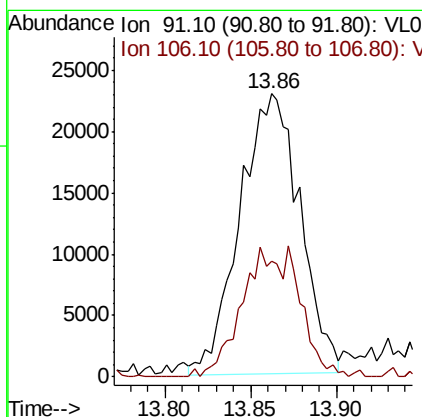
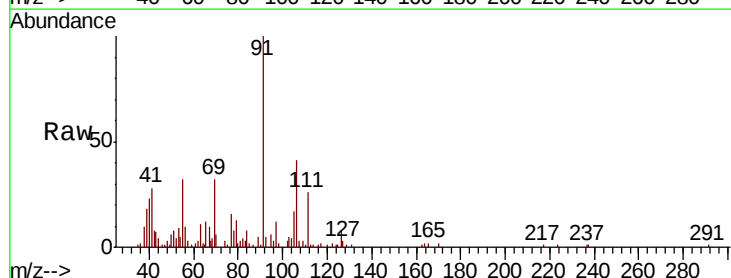
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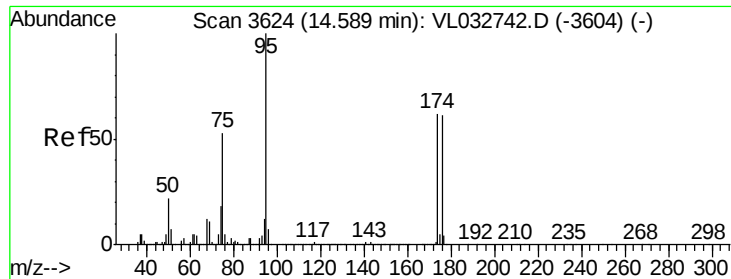
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11/26/2018 9:18:42 AM



#60
o-Xylene
Concen: 0.143 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032780.D
Acq: 20 Nov 2018 16:10

Tgt Ion: 91 Resp: 55398
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





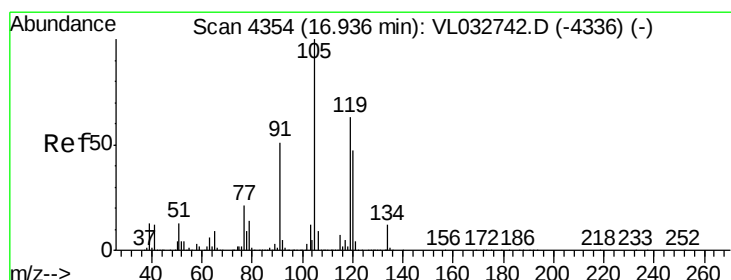
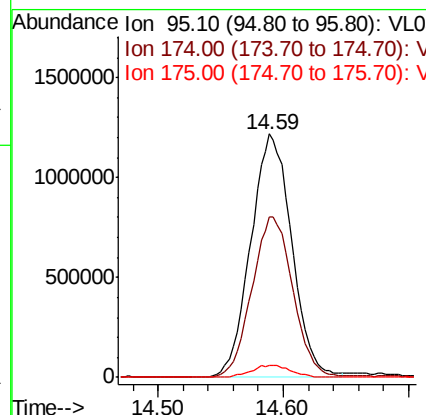
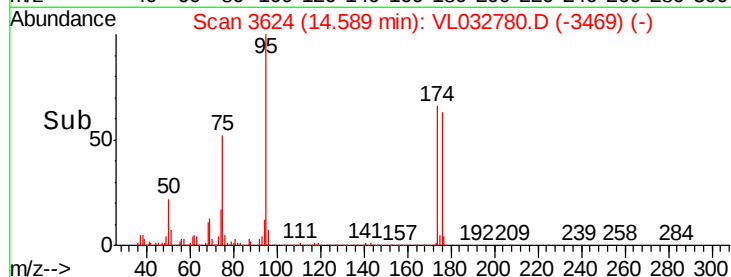
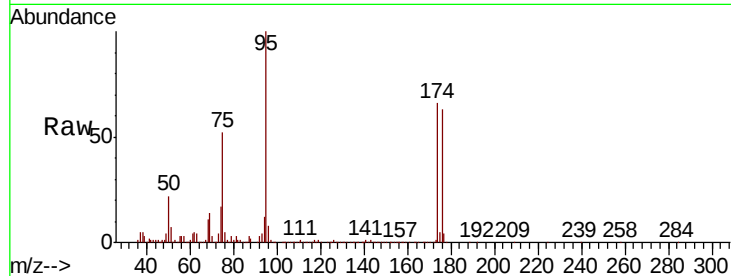
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.296 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032780.D
 Acq: 20 Nov 2018 16:10

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion: 95 Resp: 2763742
 Ion Ratio Lower Upper
 95 100
 174 67.0 50.7 76.1
 175 5.0 3.8 5.6

Manual Integrations
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 11/26/2018 9:18:42 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.222 ppbv m
 RT: 16.94 min Scan# 4354
 Delta R.T. -0.00 min
 Lab File: VL032780.D
 Acq: 20 Nov 2018 16:10

Tgt Ion: 105 Resp: 98330
 Ion Ratio Lower Upper
 105 100
 120 41.6 37.6 56.4
 91 12.0 42.5 63.7#
 77 21.9 17.4 26.2

