

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025776.D
 Acq On : 28 Jul 2015 6:20
 Operator : SY/MD
 Sample : G3040-07 120X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315

Manual Integrations
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sam
 7/28/2015 12:00:01 PM

Quant Time: Jul 28 11:55:21 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	573492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1590541	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2178587	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1965203	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.59	41	3916m	0.15	ppbv	
10) Heptane	9.37	43	22737	0.22	ppbv	97
15) Acetone	4.62	43	249379	2.46	ppbv	97
18) 1,1-Dichloroethene	5.08	96	9389	0.22	ppbv	95
22) trans-1,2-Dichloroethene	5.76	96	4867	0.11	ppbv #	78
24) 1,1-Dichloroethane	5.91	63	26614	0.26	ppbv	96
26) Hexane	6.65	57	11907	0.16	ppbv #	45
31) cis-1,2-Dichloroethene	6.51	61	183424	2.56	ppbv	97
32) 1,1,1-Trichloroethane	7.59	97	6733	0.04	ppbv	95
34) 2-Butanone	6.24	43	35713	0.40	ppbv	97
36) Benzene	8.04	78	17863	0.12	ppbv	97
38) Trichloroethene	9.08	130	14702470	207.58	ppbv	90
52) Tetrachloroethene	12.83	164	18365102	240.38	ppbv	85
53) Toluene	11.26	91	44162	0.21	ppbv	98
58) Ethyl Benzene	14.43	91	53494	0.15	ppbv	94
59) m/p-Xylene	14.71	91	120986	0.38	ppbv	97
60) o-Xylene	15.50	91	39874	0.12	ppbv	93
73) 1,3,5-Trimethylbenzene	17.99	105	136066	0.37	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	270832	0.65	ppbv #	67

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

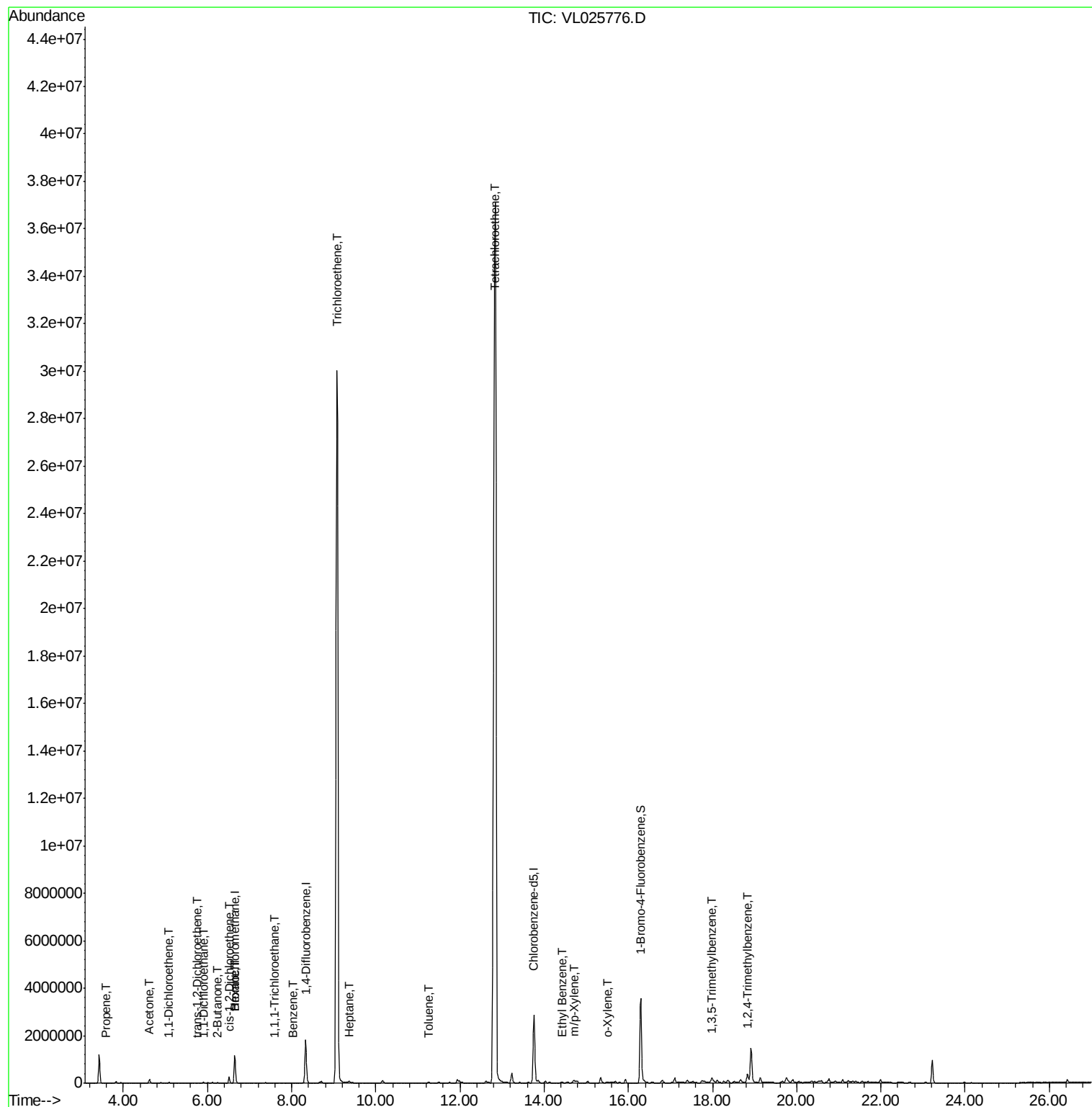
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025776.D
Acq On : 28 Jul 2015 6:20
Operator : SY/MD
Sample : G3040-07 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

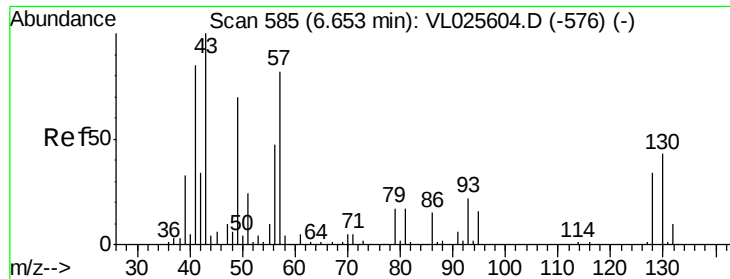
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jul 28 11:55:21 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315

Tgt Ion: 49 Resp: 573492
Ion Ratio Lower Upper

49 100

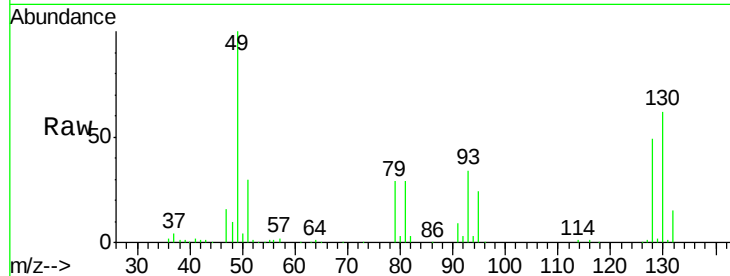
128 52.2 25.4 76.0

130 66.2 31.9 95.9

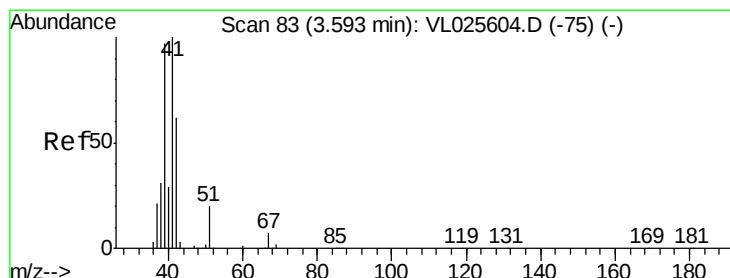
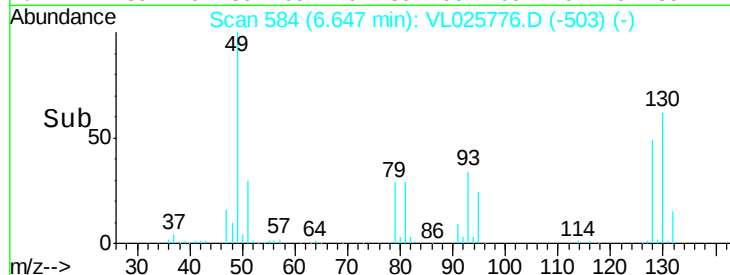
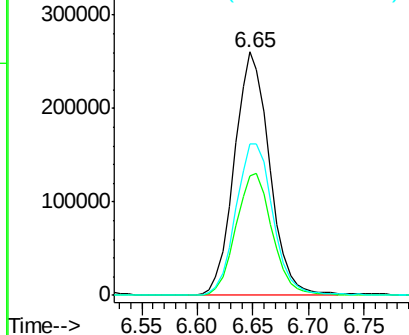
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.15 ppbv m

RT: 3.59 min Scan# 82

Delta R.T. -0.01 min

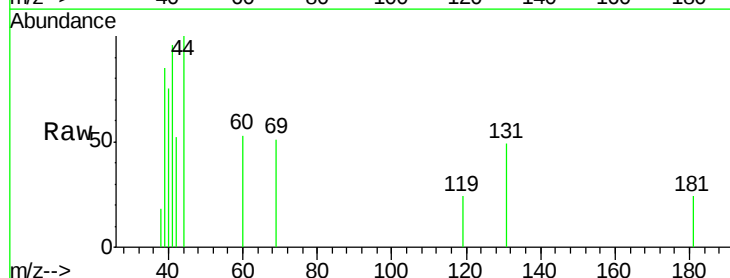
Lab File: VL025776.D

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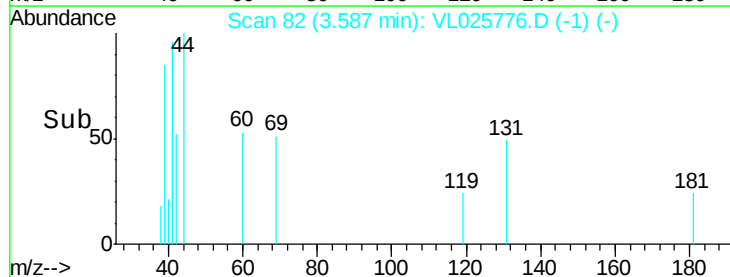
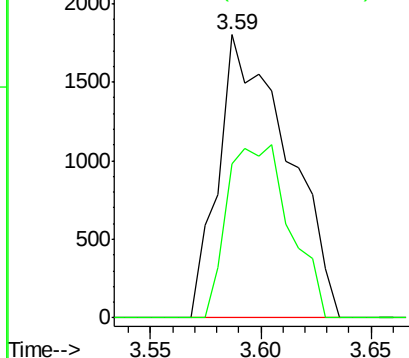
Tgt Ion: 41 Resp: 3916
Ion Ratio Lower Upper

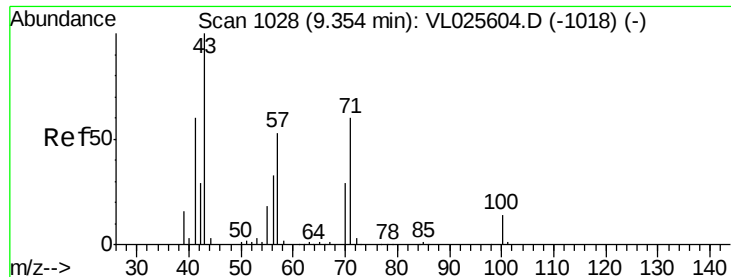
41 100

42 0.0 52.4 78.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





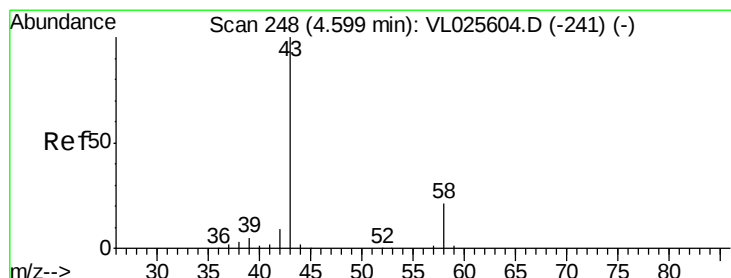
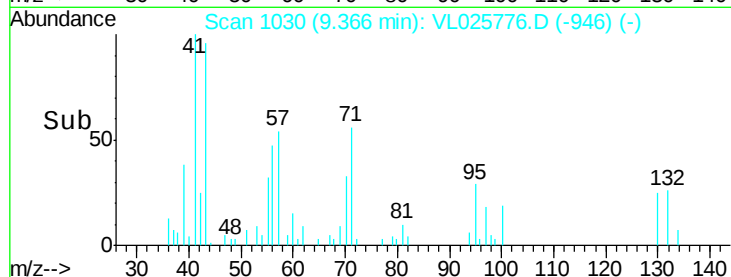
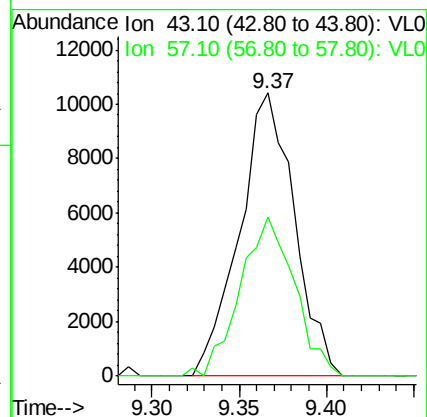
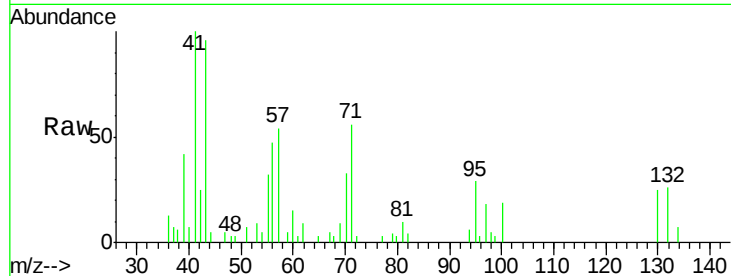
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Heptane
Concen: 0.22 ppbv
RT: 9.37 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-INFLUENT-072315

Tgt Ion: 43 Resp: 22737
Ion Ratio Lower Upper
43 100
57 55.5 42.6 64.0

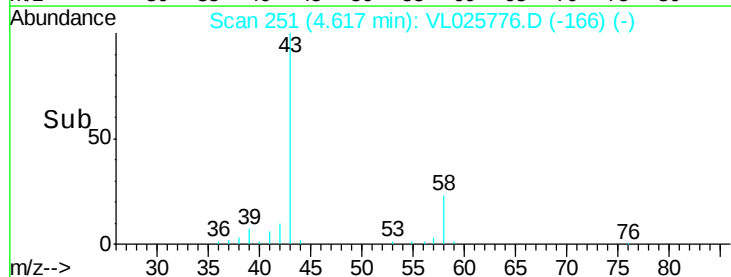
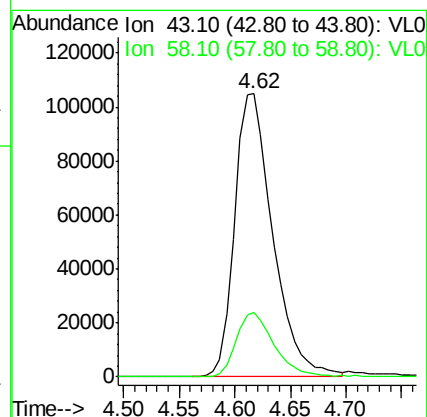
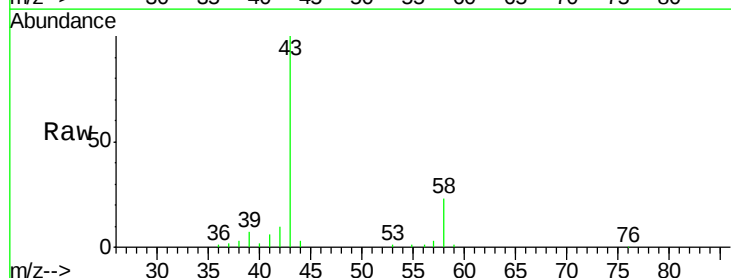
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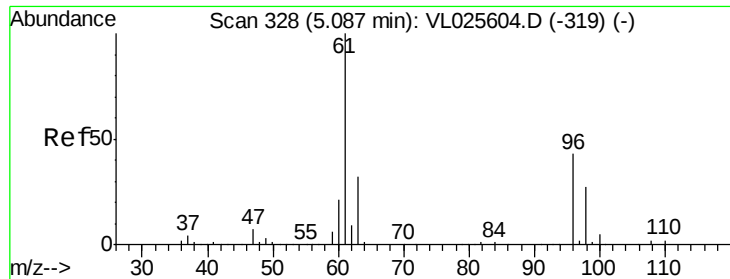
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#15
Acetone
Concen: 2.46 ppbv
RT: 4.62 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Tgt Ion: 43 Resp: 249379
Ion Ratio Lower Upper
43 100
58 22.7 17.2 25.8





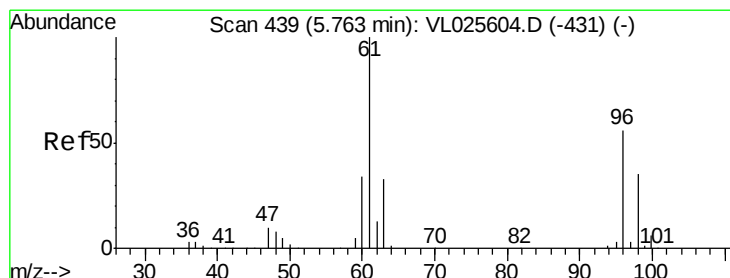
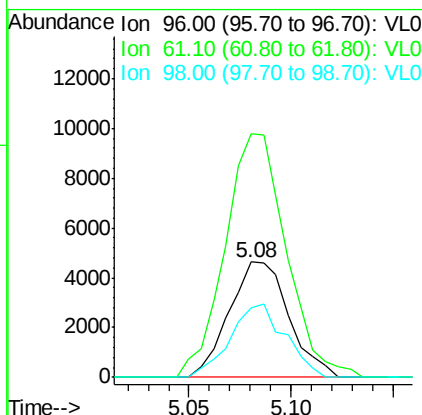
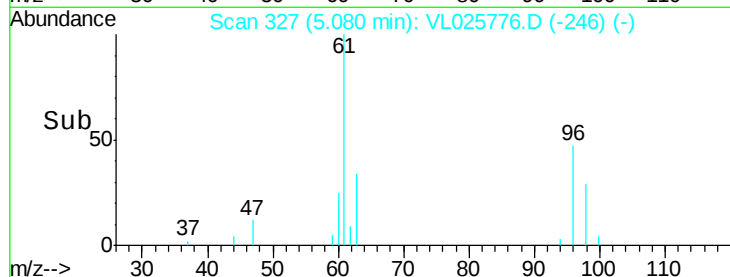
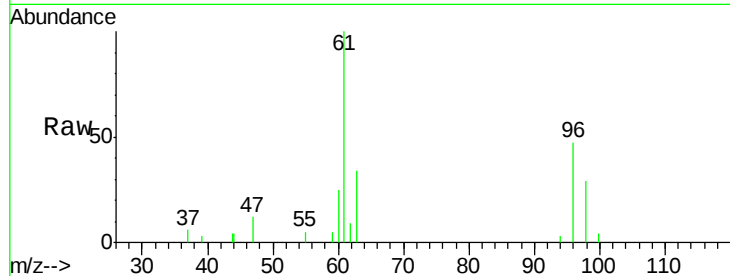
#18
 1,1-Dichloroethene
 Concen: 0.22 ppbv
 RT: 5.08 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315

Tgt Ion	Ratio	Lower	Upper
96	100		
61	220.5	184.1	276.1
98	60.6	50.0	75.0

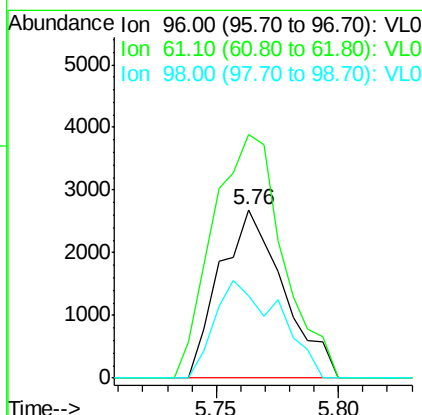
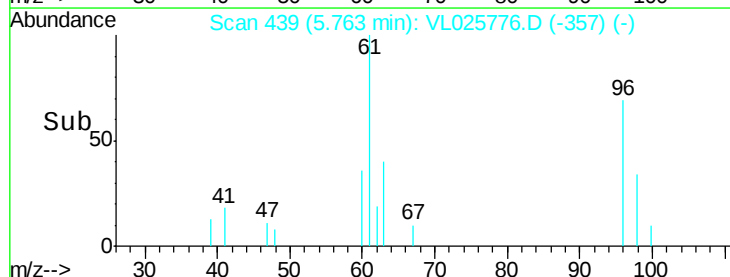
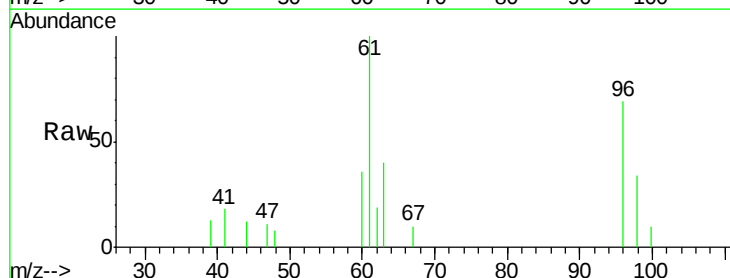
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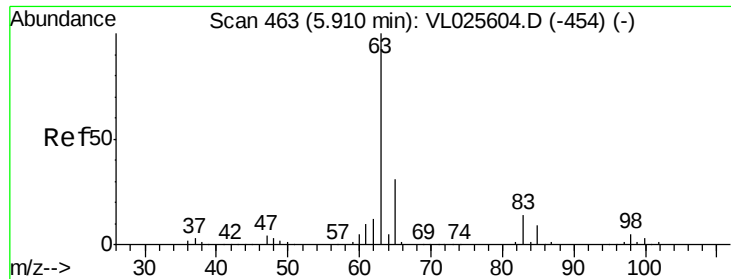
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#22
 trans-1,2-Dichloroethene
 Concen: 0.11 ppbv
 RT: 5.76 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	141.8	212.6
98	48.6	49.0	73.6#





#24

1,1-Dichloroethane

Concen: 0.26 ppbv

RT: 5.91 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Instrument :

MSVOA_L

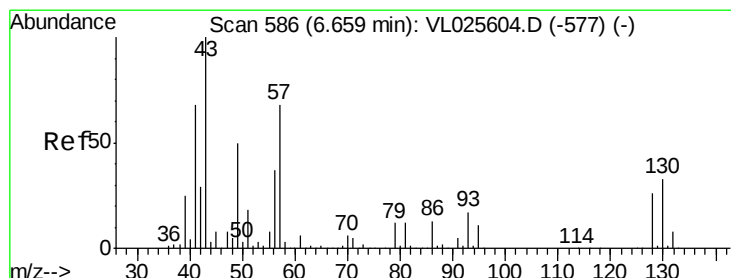
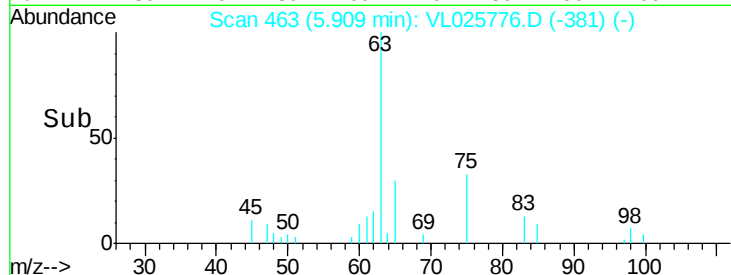
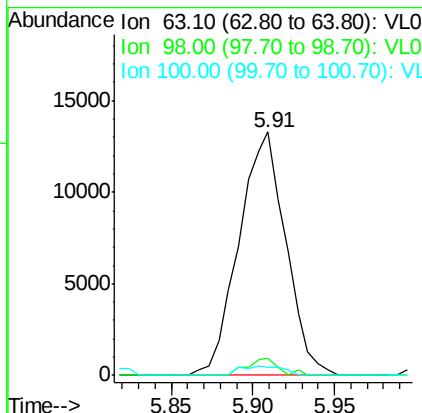
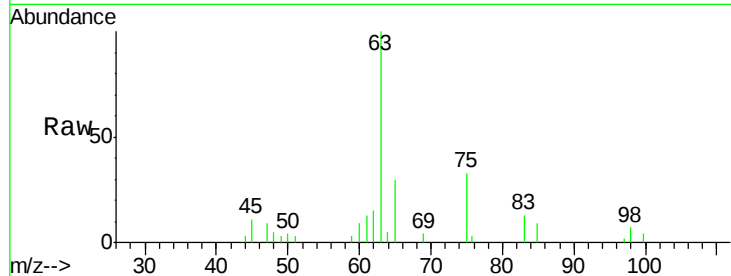
ClientSampleId :

DIN46-INFLUENT-072315

Tgt Ion:	63	Resp:	26614
Ion Ratio	Lower	Upper	
63	100		
98	7.1	2.6	8.0
100	3.5	1.6	4.7

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#26

Hexane

Concen: 0.16 ppbv

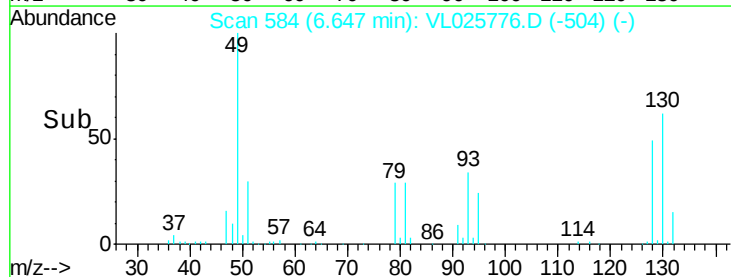
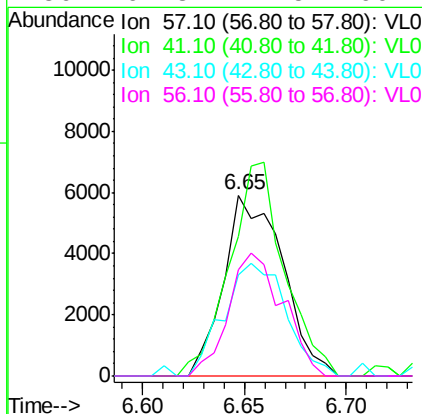
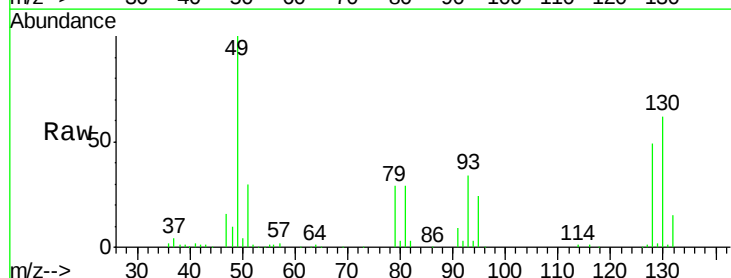
RT: 6.65 min Scan# 584

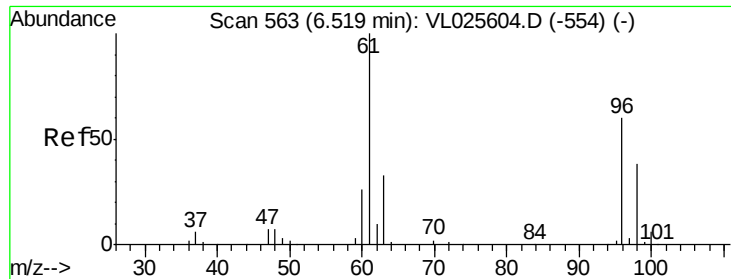
Delta R.T. -0.01 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Tgt Ion:	57	Resp:	11907
Ion Ratio	Lower	Upper	
57	100		
41	112.6	81.4	122.2
43	73.9	171.4	257.2
56	62.3	44.5	66.7





#31

cis-1,2-Dichloroethene

Concen: 2.56 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Instrument :

MSVOA_L

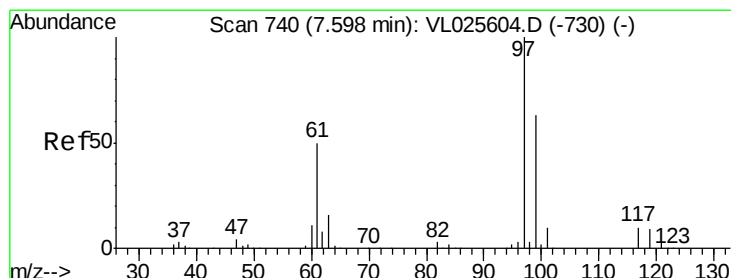
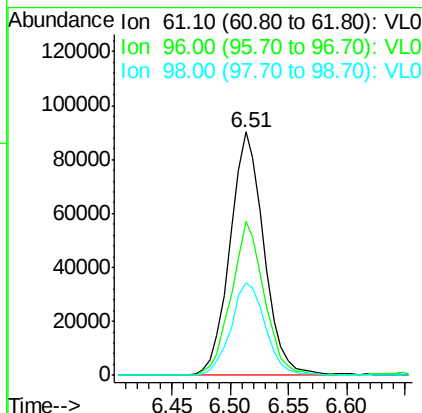
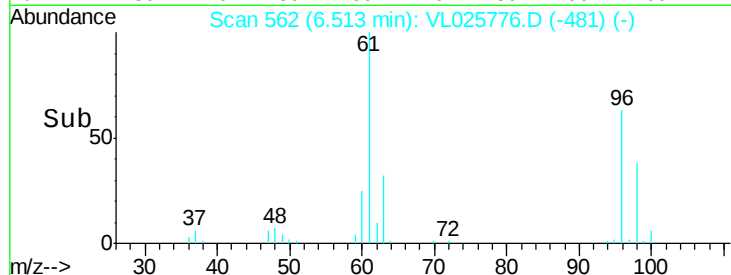
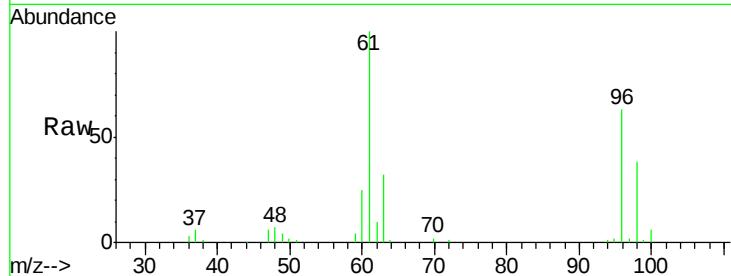
ClientSampleId :

DIN46-INFLUENT-072315

Tgt Ion:	61	Resp:	183424
Ion Ratio		Lower	Upper
61	100		
96	63.3	48.1	72.1
98	38.2	30.7	46.1

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#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv

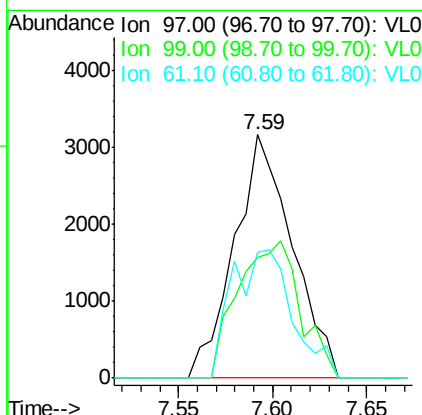
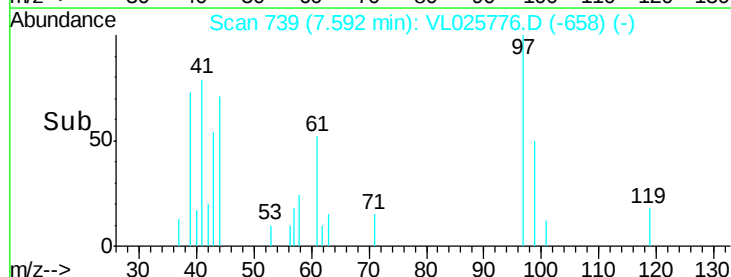
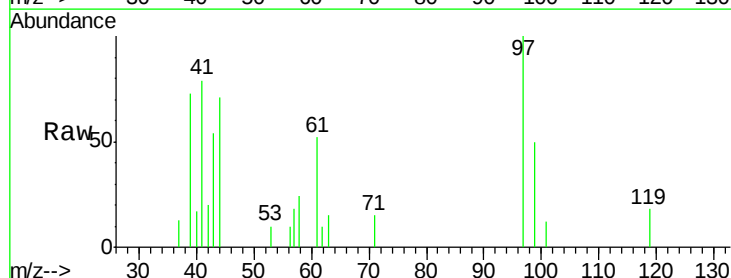
RT: 7.59 min Scan# 739

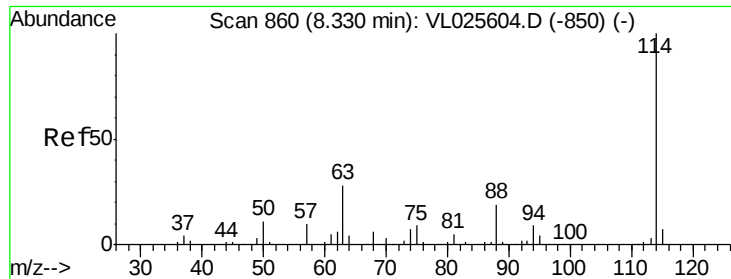
Delta R.T. -0.01 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Tgt Ion:	97	Resp:	6733
Ion Ratio		Lower	Upper
97	100		
99	60.7	51.2	76.8
61	55.2	40.4	60.6





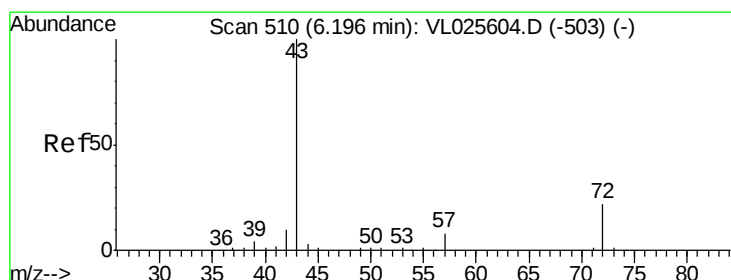
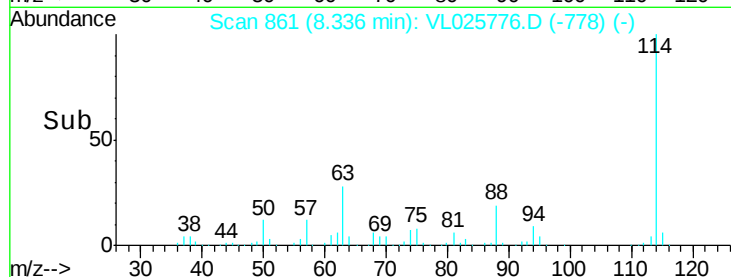
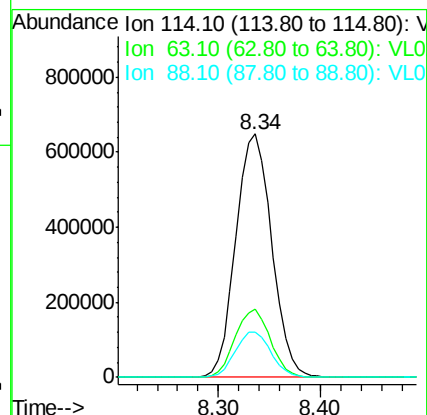
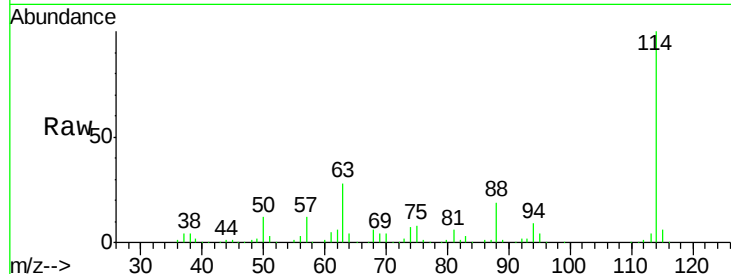
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Instrument :
 MSVOA_L
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 DIN46-INFLUENT-072315

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.4	33.6
88	18.6	15.0	22.4

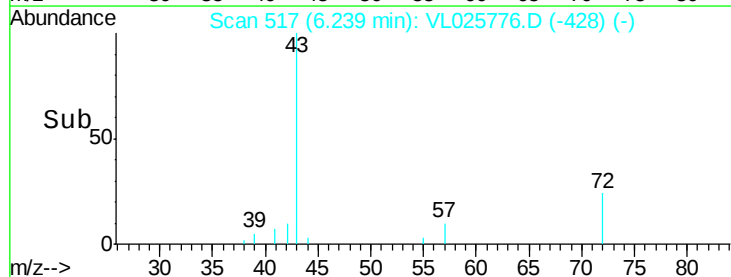
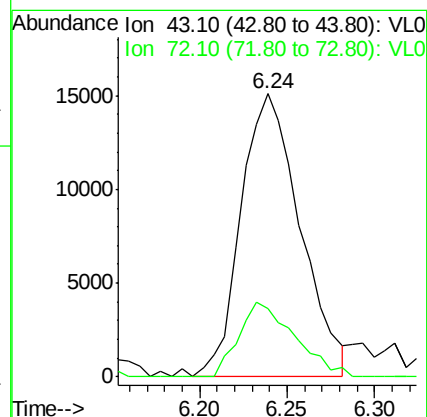
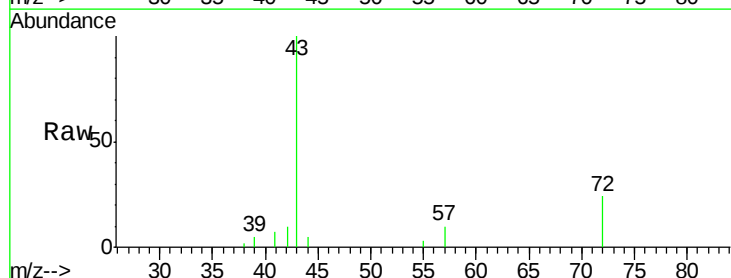
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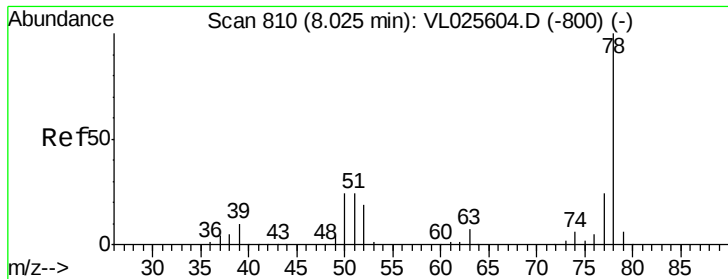
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#34
 2-Butanone
 Concen: 0.40 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.04 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.6	28.0





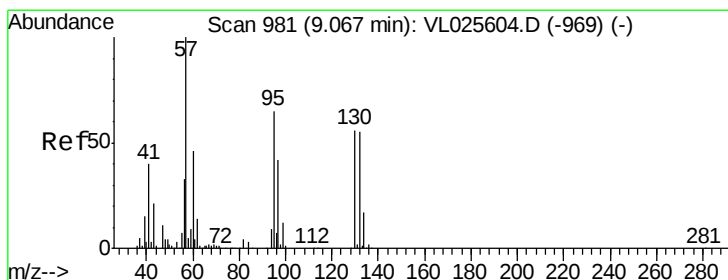
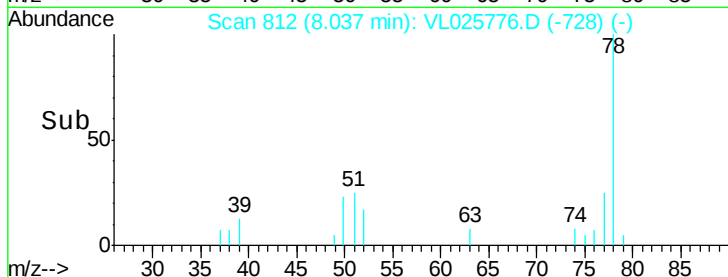
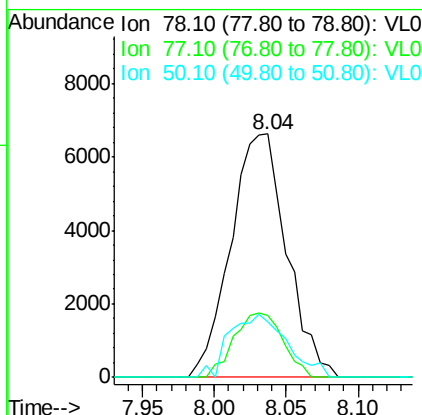
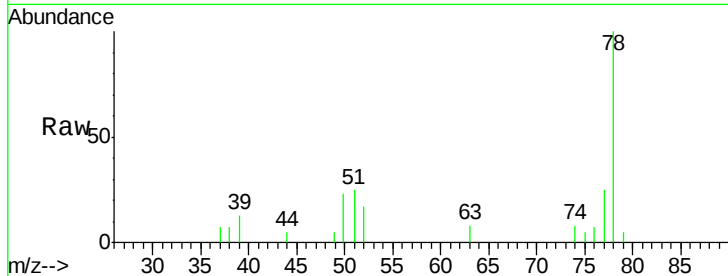
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Benzene
Concen: 0.12 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-INFLUENT-072315

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.4
50	22.5	19.2	28.8

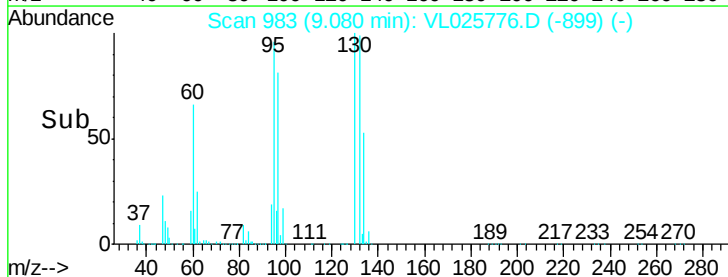
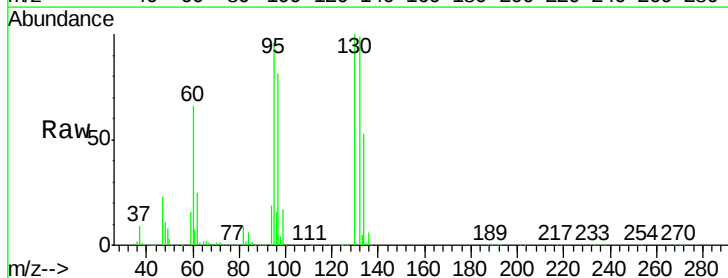
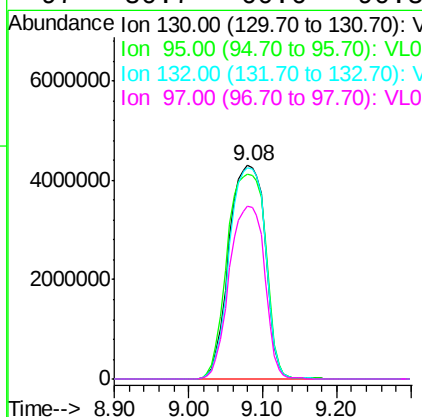
Manual Integrations
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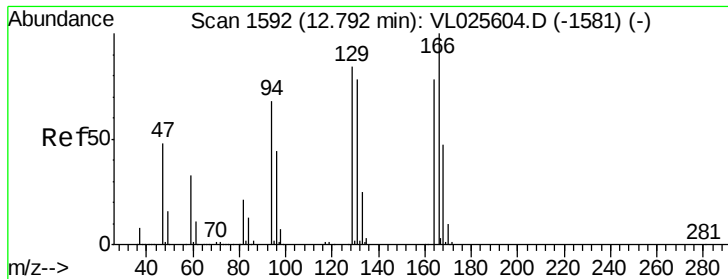
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#38
Trichloroethene
Concen: 207.58 ppbv
RT: 9.08 min Scan# 983
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	94.2	141.4
132	98.7	78.6	118.0
97	80.7	60.6	90.8





#52

Tetrachloroethene

Concen: 240.38 ppbv

RT: 12.83 min Scan# 1599

Delta R.T. 0.04 min

Lab File: VL025776.D

Acq: 28 Jul 2015 6:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315

Tgt Ion:164 Resp:18365102

Ion Ratio Lower Upper

164 100

166 107.4 102.3 153.5

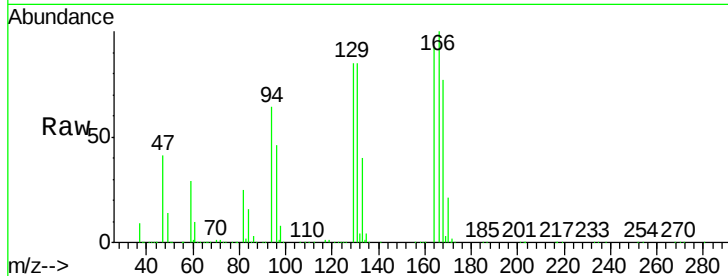
129 91.5 86.2 129.4

131 91.0 80.3 120.5

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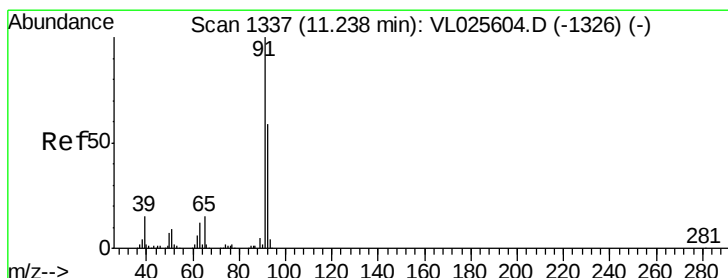
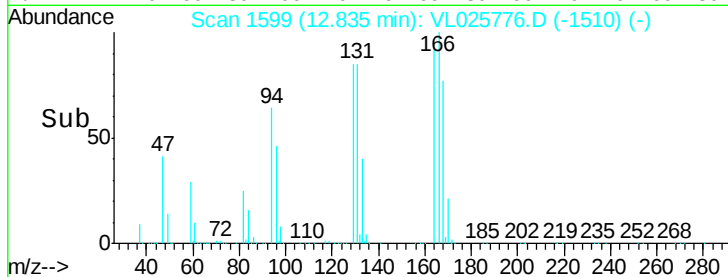
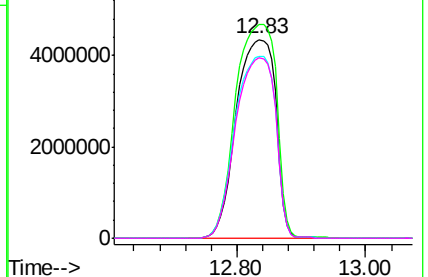


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.21 ppbv

RT: 11.26 min Scan# 1340

Delta R.T. 0.02 min

Lab File: VL025776.D

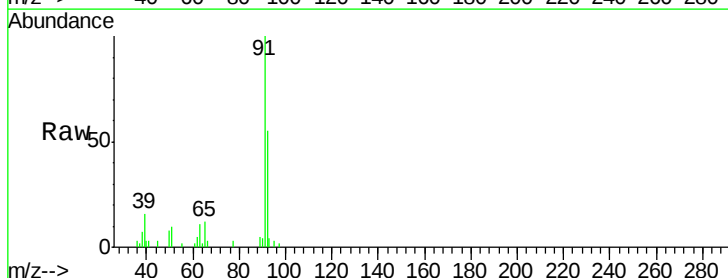
Acq: 28 Jul 2015 6:20

Tgt Ion: 91 Resp: 44162

Ion Ratio Lower Upper

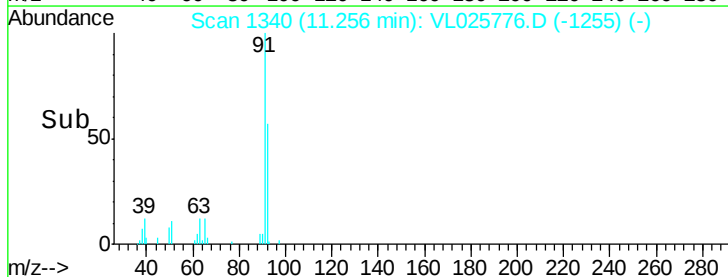
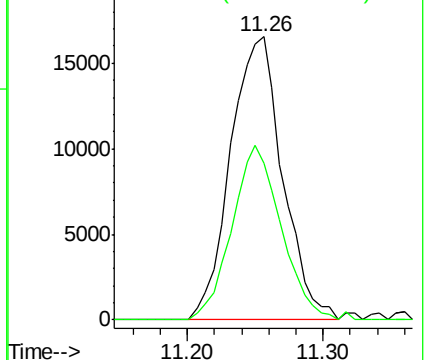
91 100

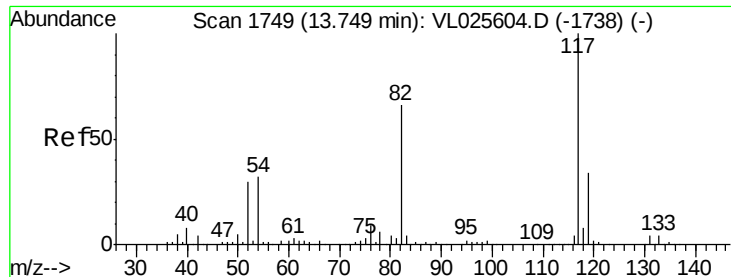
92 58.5 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





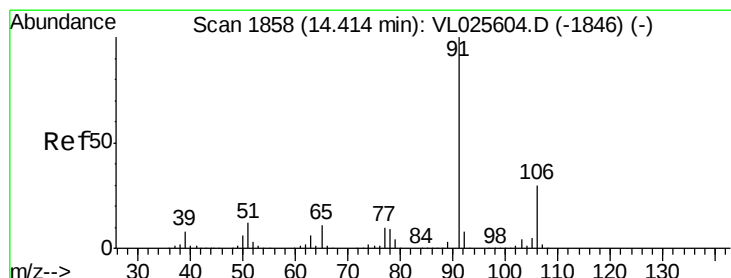
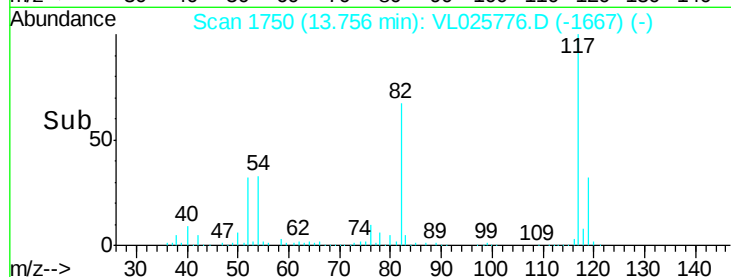
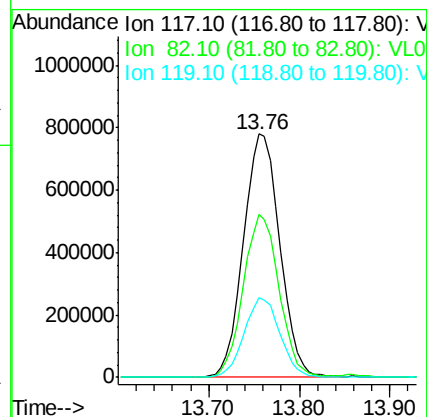
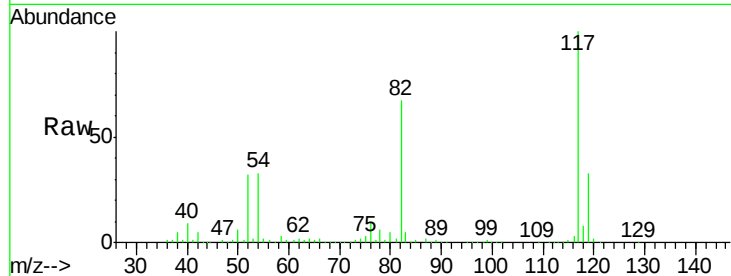
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-INFLUENT-072315

Tgt Ion: 117 Resp: 2178587
Ion Ratio Lower Upper
117 100
82 67.0 50.5 75.7
119 32.5 45.1 67.7#

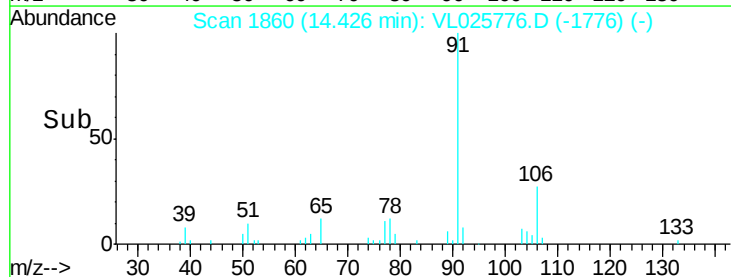
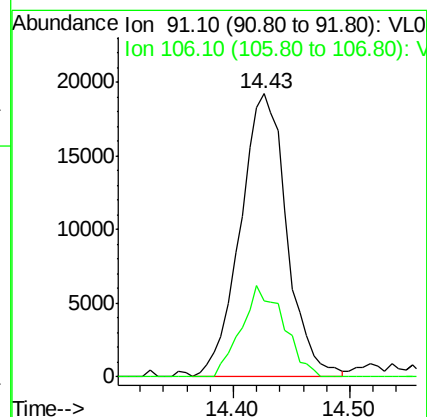
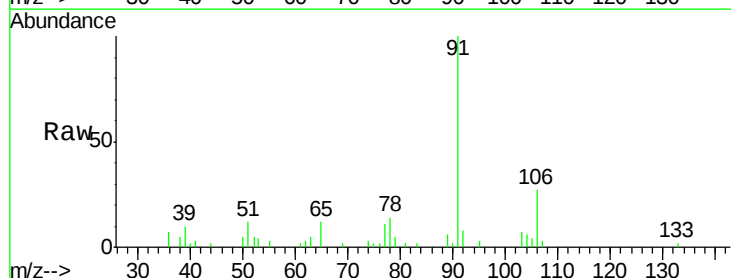
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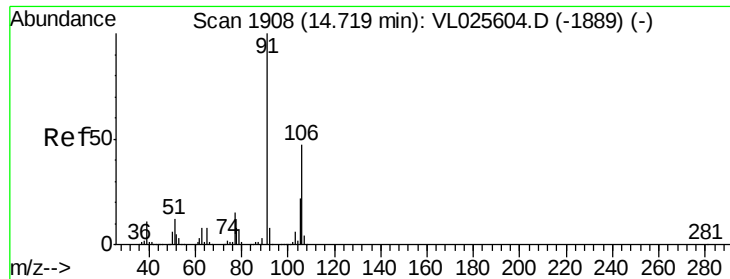
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#58
Ethyl Benzene
Concen: 0.15 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Tgt Ion: 91 Resp: 53494
Ion Ratio Lower Upper
91 100
106 26.9 24.2 36.2





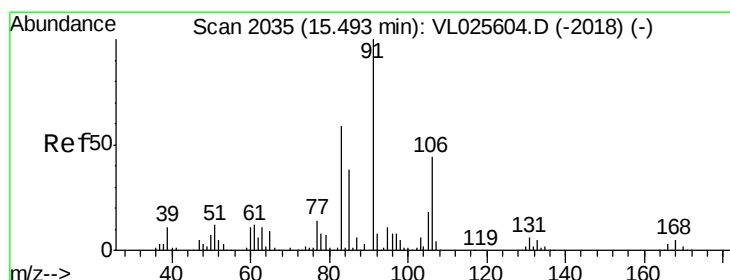
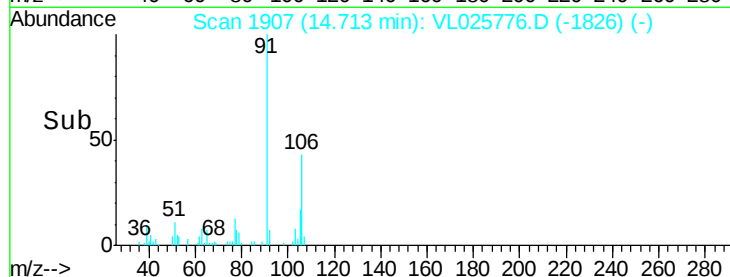
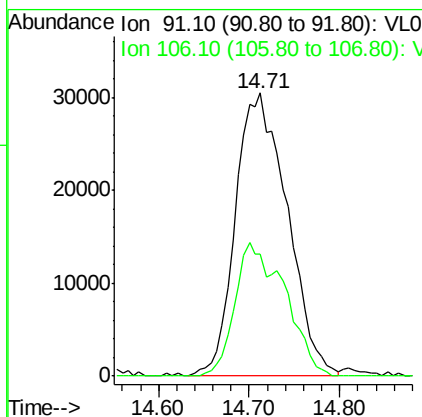
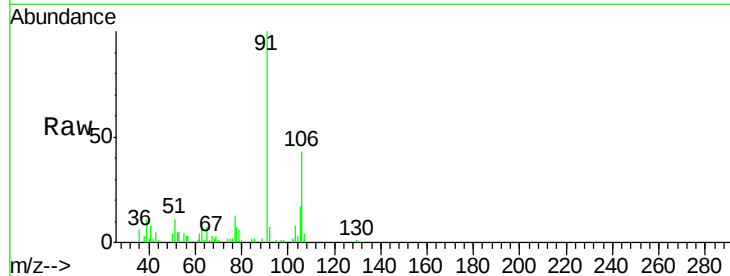
#59
m/p-Xylene
Concen: 0.38 ppbv
RT: 14.71 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-INFLUENT-072315

Tgt Ion: 91 Resp: 120986
Ion Ratio Lower Upper
91 100
106 45.5 37.9 56.9

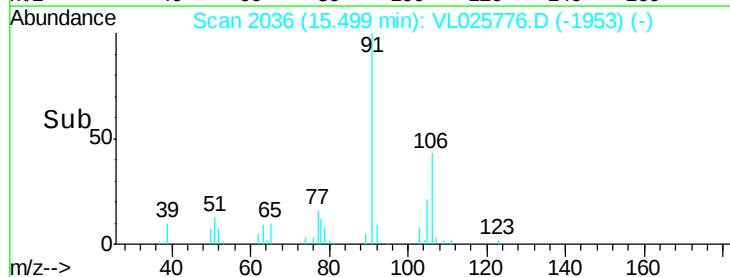
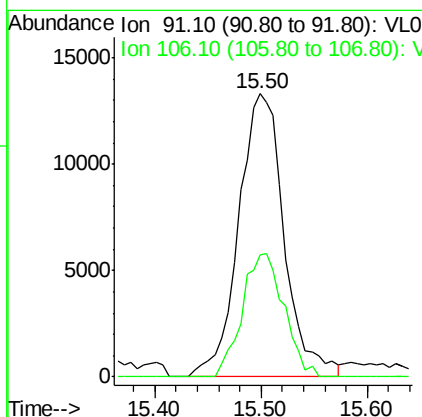
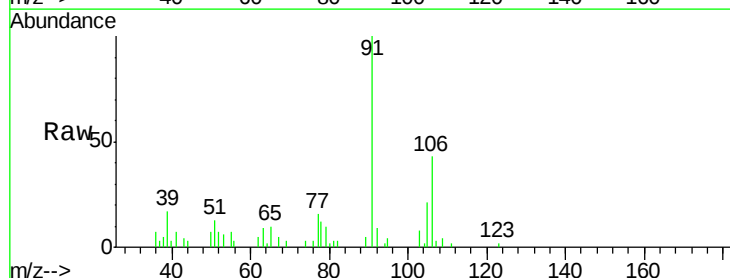
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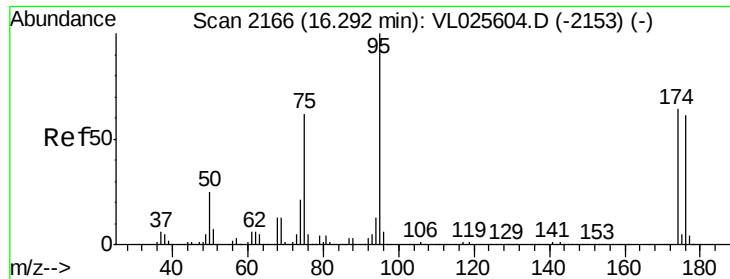
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#60
o-Xylene
Concen: 0.12 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VL025776.D
Acq: 28 Jul 2015 6:20

Tgt Ion: 91 Resp: 39874
Ion Ratio Lower Upper
91 100
106 39.9 22.1 66.1





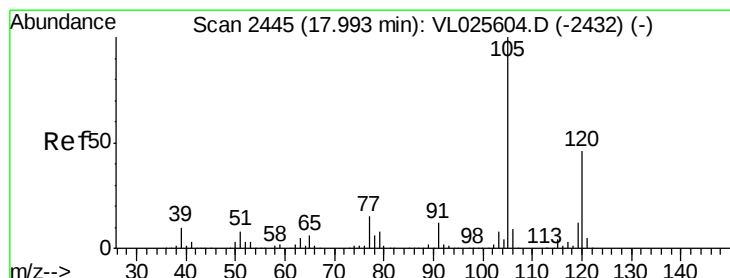
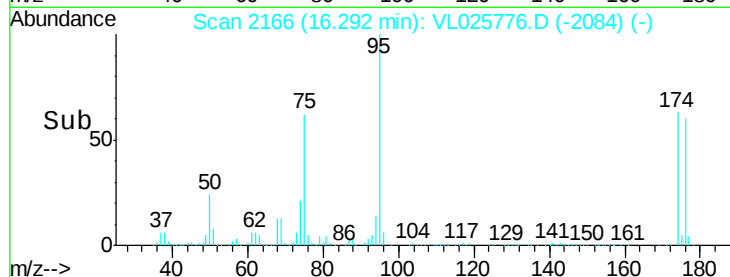
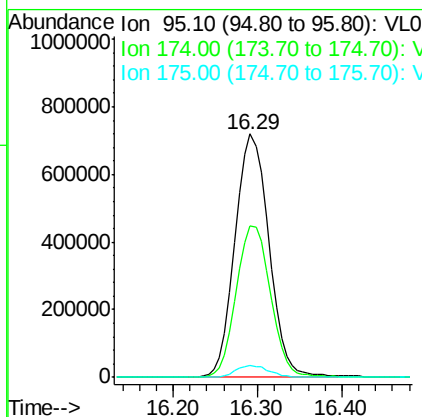
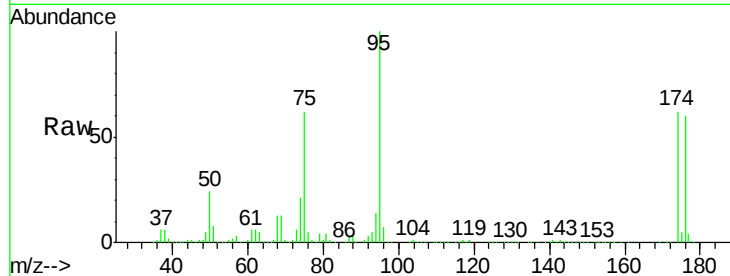
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.69 ppbv
 RT: 16.29 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315

Tgt Ion: 95 Resp: 1965203
 Ion Ratio Lower Upper
 95 100
 174 63.6 52.0 78.0
 175 4.9 3.9 5.9

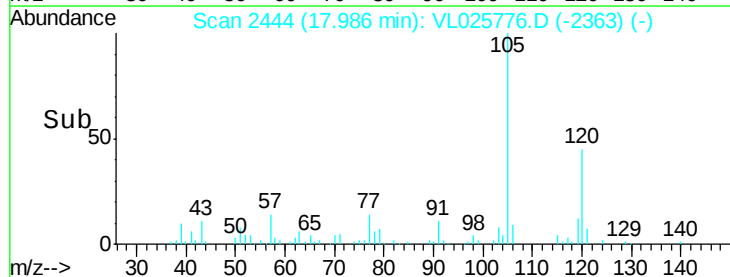
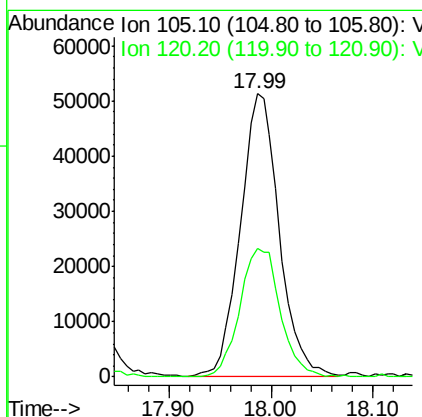
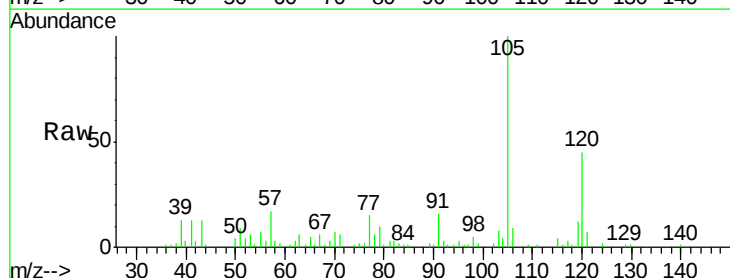
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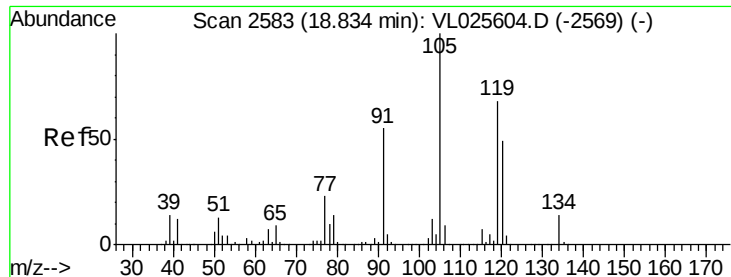
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#73
 1,3,5-Trimethylbenzene
 Concen: 0.37 ppbv
 RT: 17.99 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

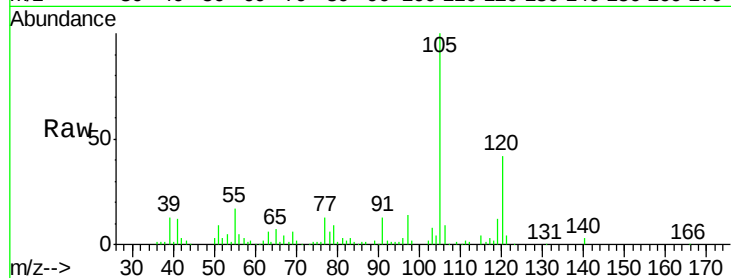
Tgt Ion: 105 Resp: 136066
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.0 55.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.65 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VL025776.D
 Acq: 28 Jul 2015 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315



Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	41.7	39.3	58.9
91	12.7	43.8	65.6#
77	12.3	18.3	27.5#

Manual Integrations
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sam
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