

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025770.D
 Acq On : 28 Jul 2015 2:20
 Operator : SY/MD
 Sample : G3040-09 120X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-072315

Manual Integrations
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 7/28/2015 12:57:37 PM

Quant Time: Jul 28 11:47:14 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	799868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	2146694	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2596950	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2203400	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.61	41	7547m	0.20	ppbv	
15) Acetone	4.63	43	100821	0.71	ppbv #	89
18) 1,1-Dichloroethene	5.08	96	36919	0.63	ppbv	87
24) 1,1-Dichloroethane	5.90	63	167217	1.17	ppbv	99
30) Cyclohexane	8.28	84	17963	0.19	ppbv #	34
31) cis-1,2-Dichloroethene	6.51	61	267430	2.67	ppbv	96
32) 1,1,1-Trichloroethane	7.59	97	18800	0.09	ppbv	97
38) Trichloroethene	9.07	130	8836215	92.44	ppbv	94
41) Tetrahydrofuran	7.18	42	7315	0.12	ppbv	89
52) Tetrachloroethene	12.80	164	10364	0.10	ppbv	88

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

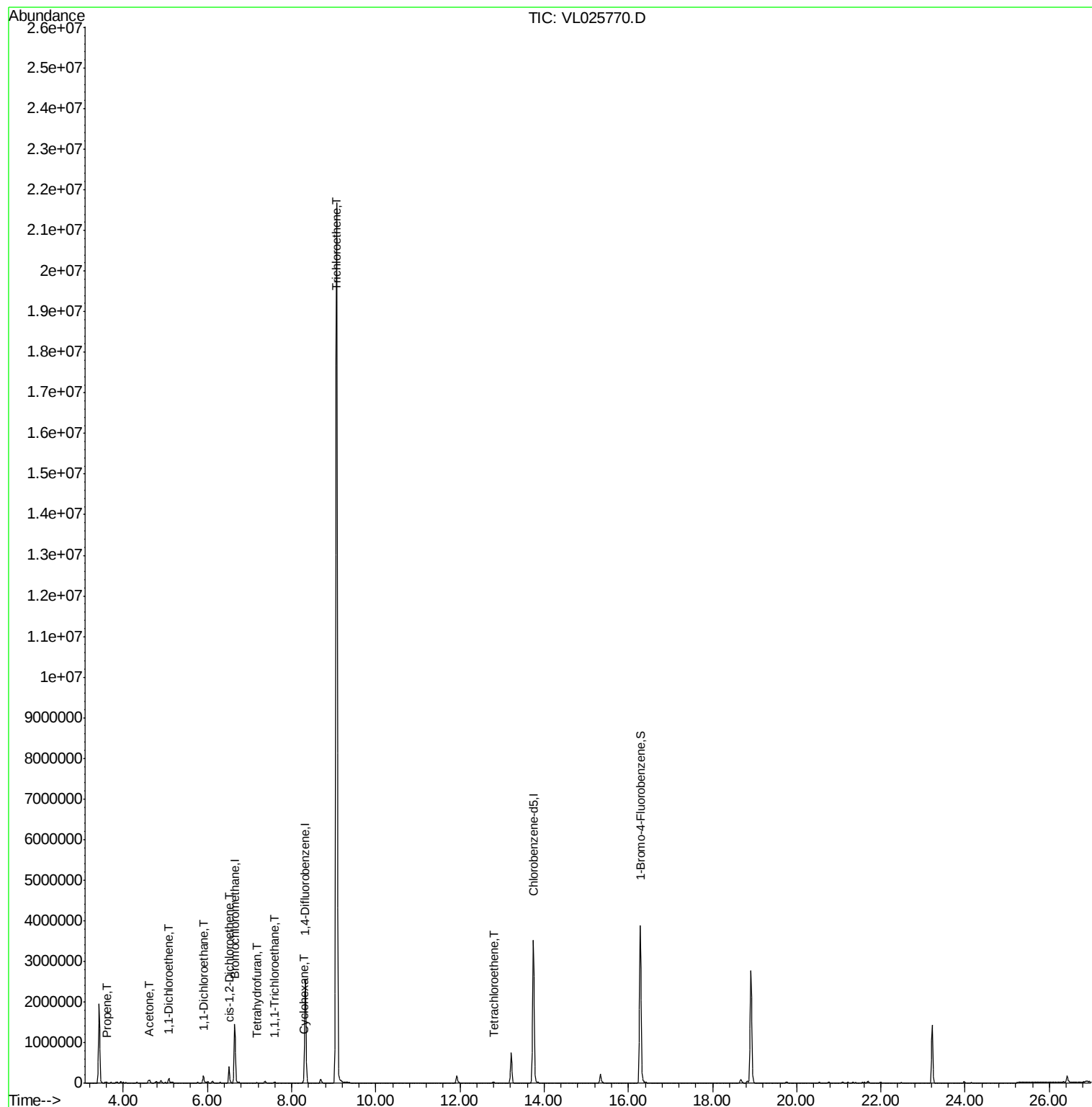
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025770.D
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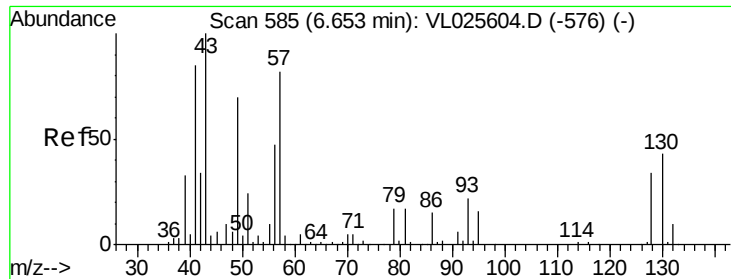
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Manual Integrations
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Quant Time: Jul 28 11:47:14 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: VL025770.D

Acq: 28 Jul 2015 2:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315

Tgt Ion: 49 Resp: 799868
Ion Ratio Lower Upper

49 100

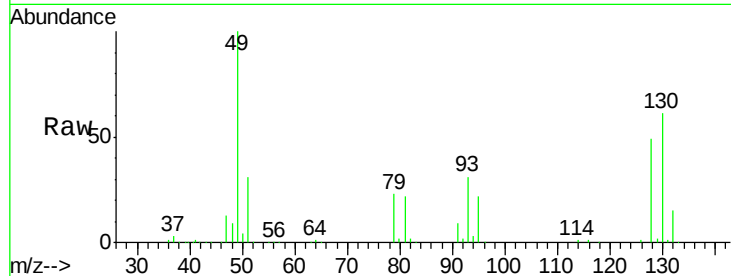
128 50.7 25.4 76.0

130 64.6 31.9 95.9

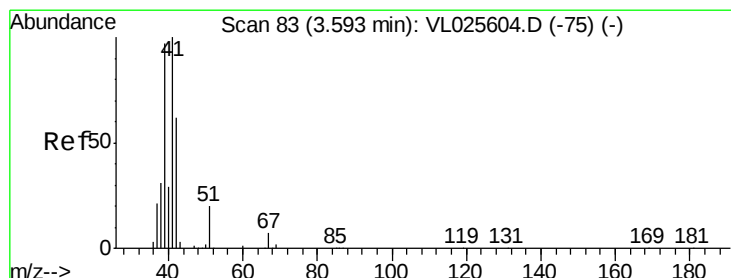
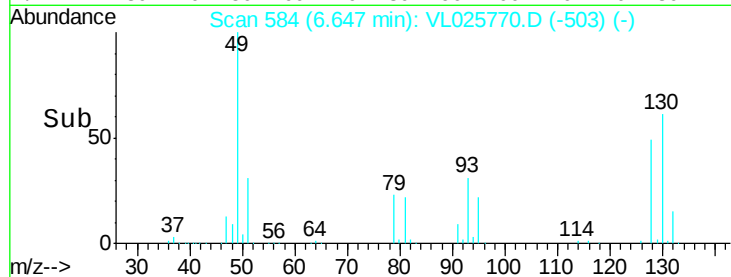
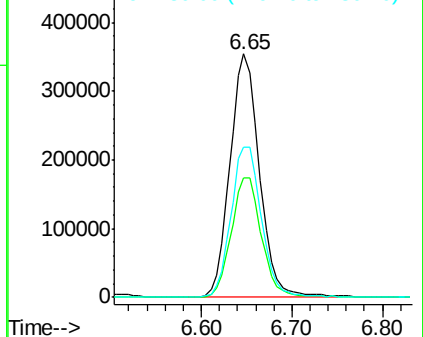
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.20 ppbv m

RT: 3.61 min Scan# 85

Delta R.T. 0.01 min

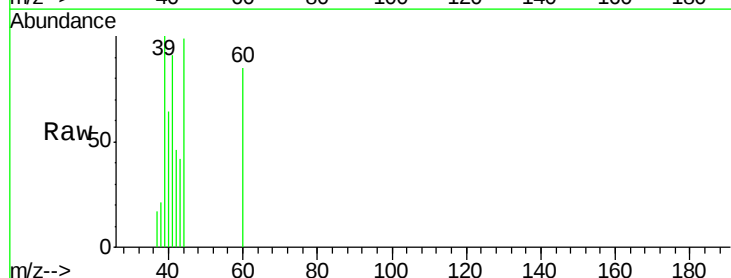
Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

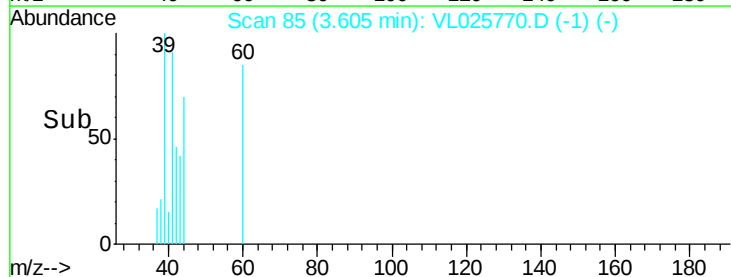
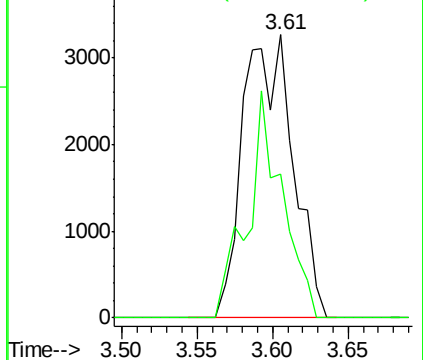
Tgt Ion: 41 Resp: 7547
Ion Ratio Lower Upper

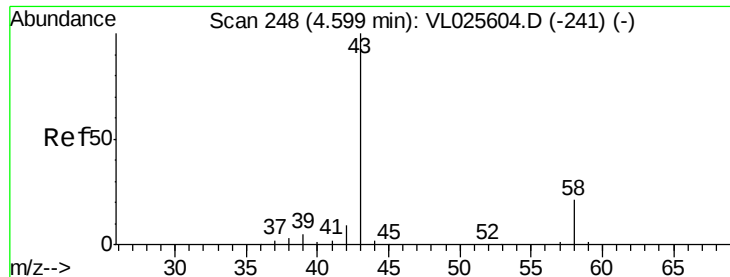
41 100

42 56.0 52.4 78.6



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





#15

Acetone

Concen: 0.71 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315

Tgt Ion: 43 Resp: 100821

Ion Ratio Lower Upper

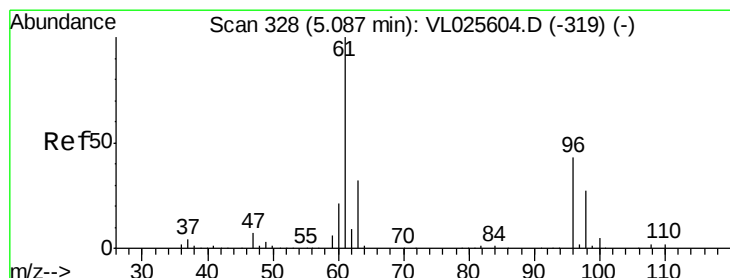
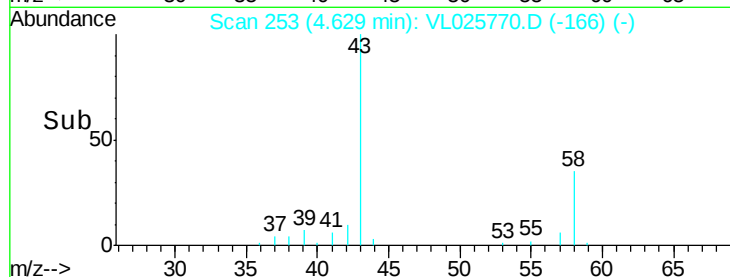
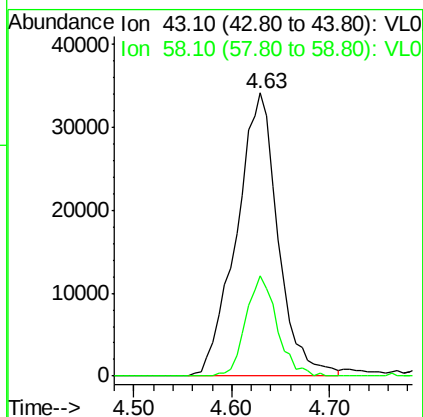
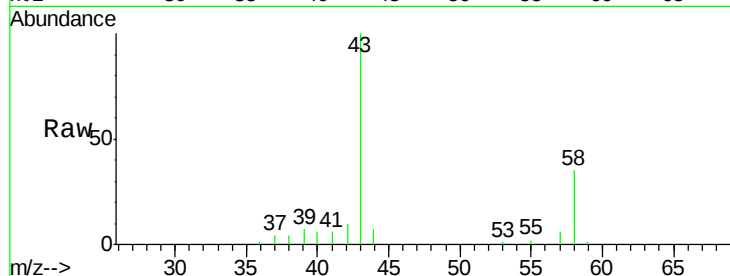
43 100

58 26.6 17.2 25.8#

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#18

1,1-Dichloroethene

Concen: 0.63 ppbv

RT: 5.08 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

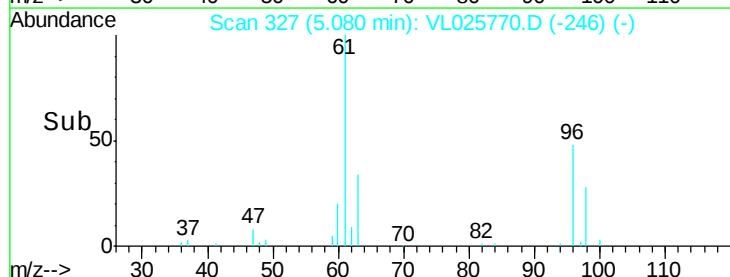
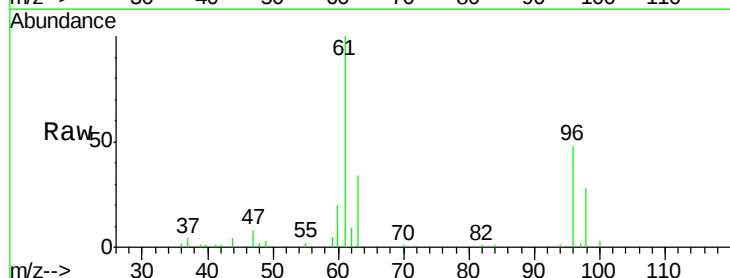
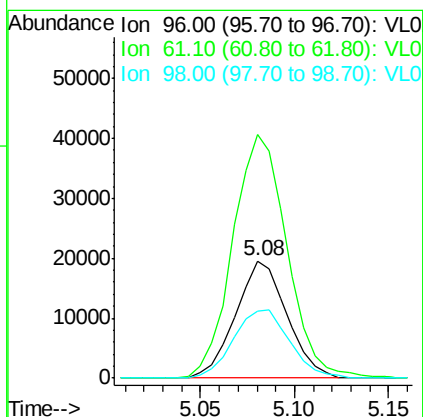
Tgt Ion: 96 Resp: 36919

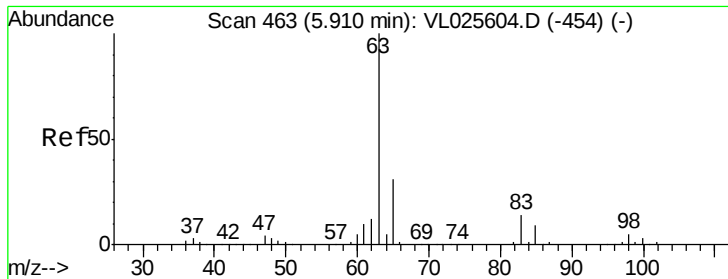
Ion Ratio Lower Upper

96 100

61 206.1 184.1 276.1

98 57.4 50.0 75.0





#24

1,1-Dichloroethane

Concen: 1.17 ppbv

RT: 5.90 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

Instrument :

MSVOA_L

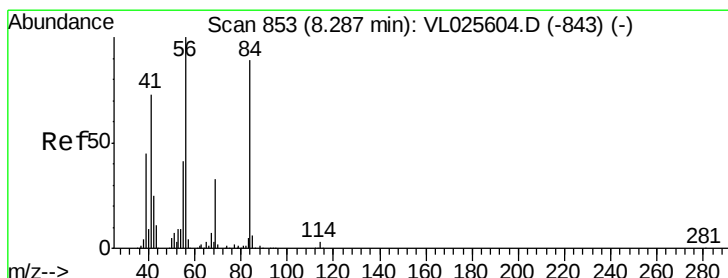
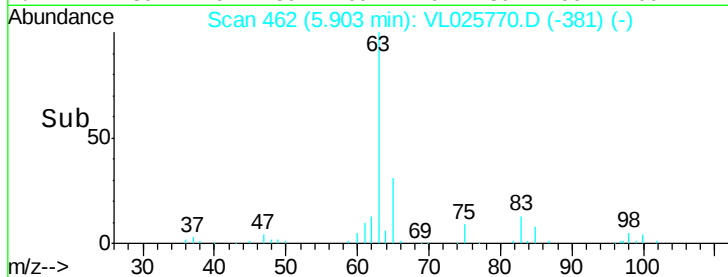
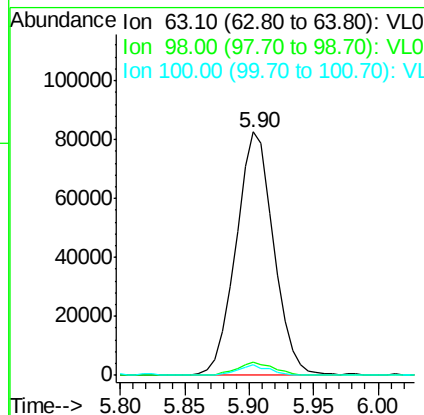
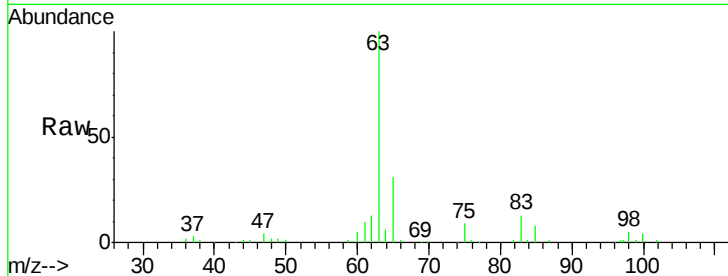
ClientSampleId :

DIN46-EFFLUENT-072315

Tgt Ion:	63	Resp:	167217
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.6	8.0
100	4.2	1.6	4.7

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#30

Cyclohexane

Concen: 0.19 ppbv

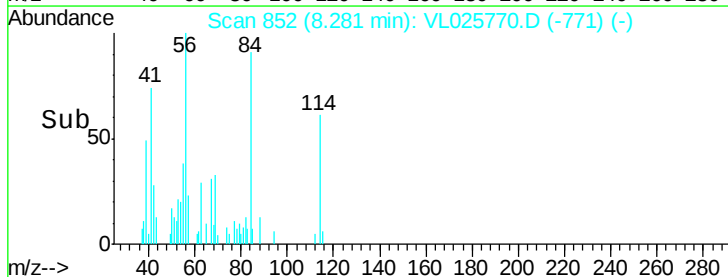
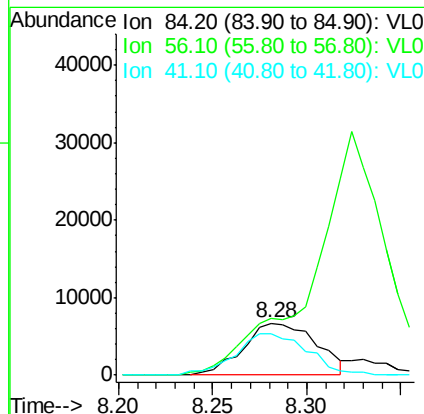
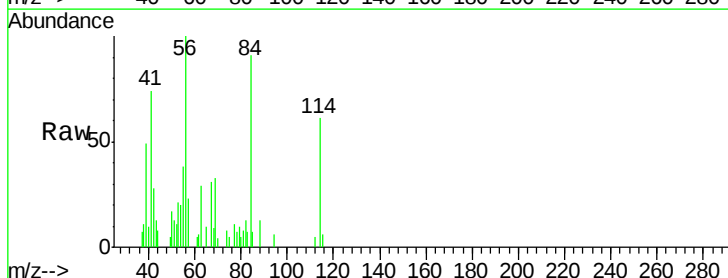
RT: 8.28 min Scan# 852

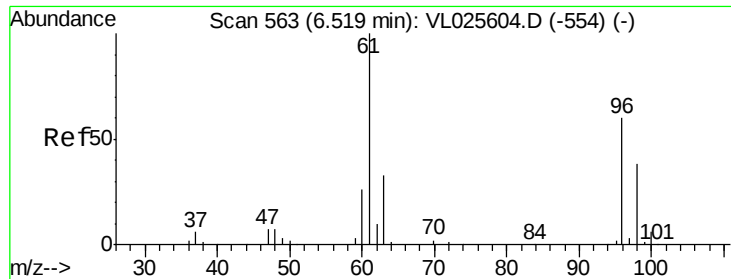
Delta R.T. -0.01 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

Tgt Ion:	84	Resp:	17963
Ion Ratio	Lower	Upper	
84	100		
56	0.0	97.5	146.3#
41	80.0	65.4	98.2





#31

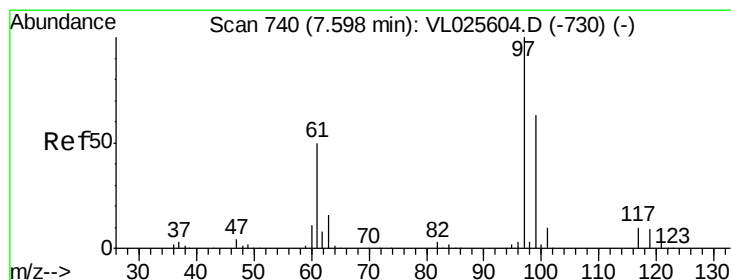
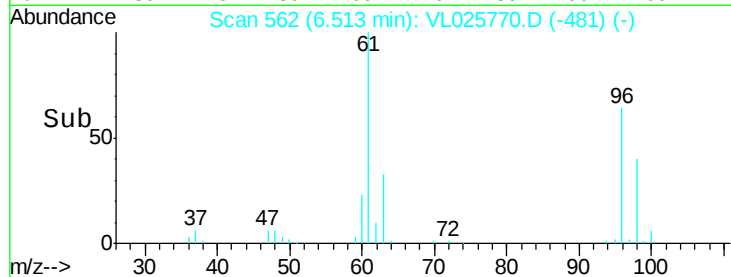
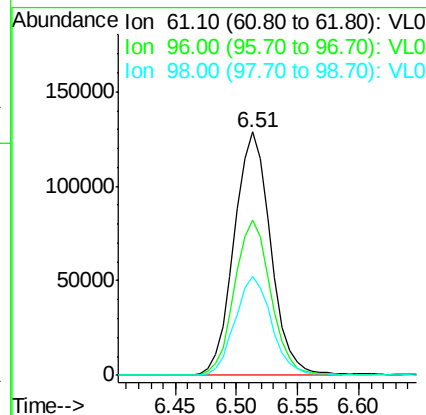
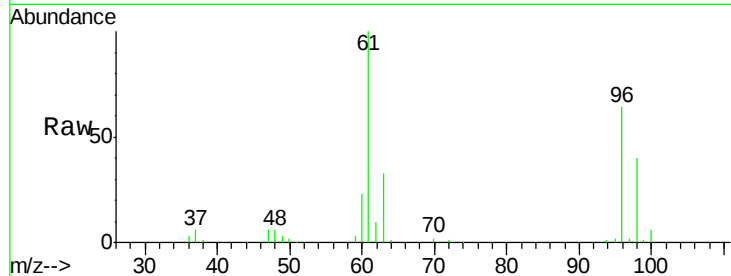
cis-1,2-Dichloroethene
 Concen: 2.67 ppbv
 RT: 6.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VL025770.D
 Acq: 28 Jul 2015 2:20

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion	Ratio	Resp Lower	Upper
61	100		
96	63.9	48.1	72.1
98	40.4	30.7	46.1

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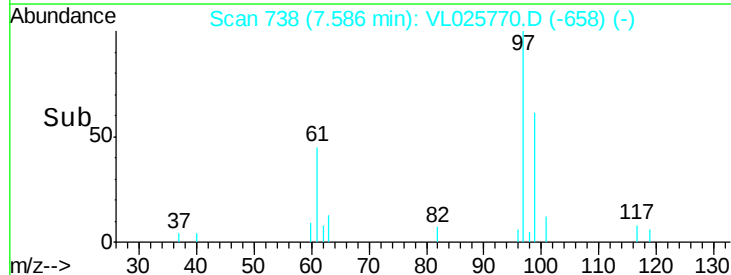
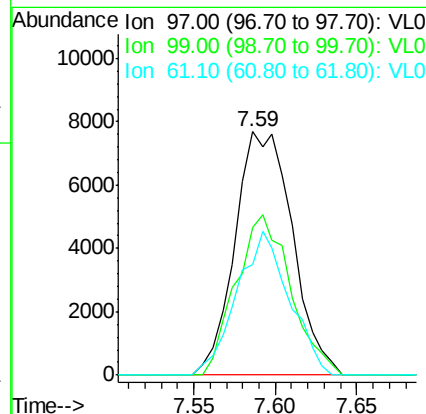
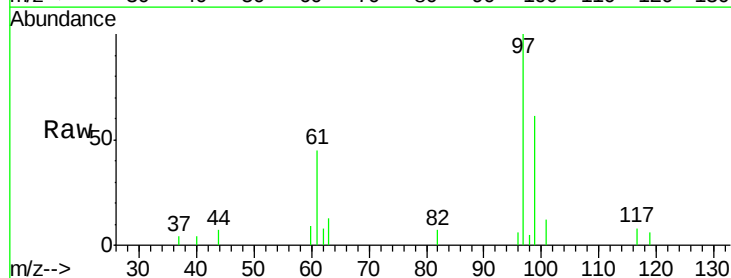
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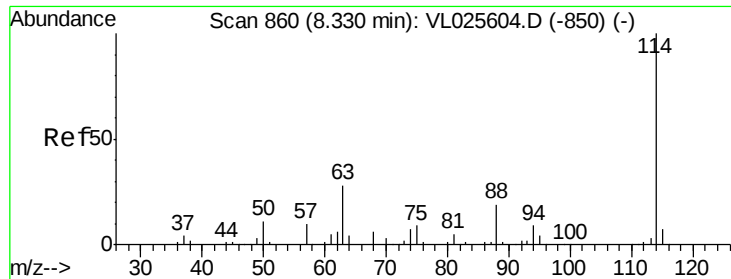


#32

1,1,1-Trichloroethane
 Concen: 0.09 ppbv
 RT: 7.59 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VL025770.D
 Acq: 28 Jul 2015 2:20

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	62.9	51.2	76.8
61	54.0	40.4	60.6





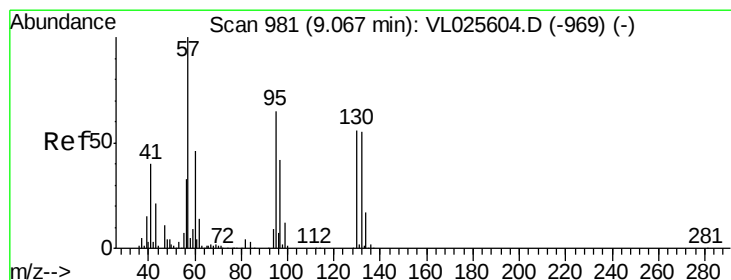
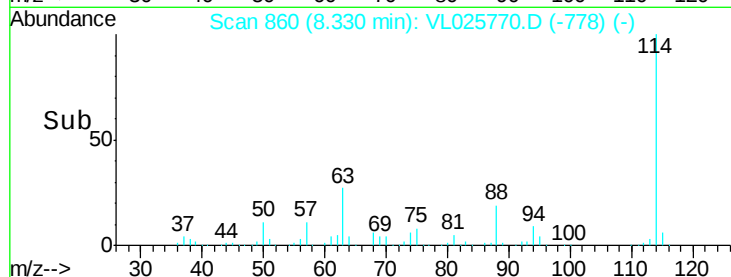
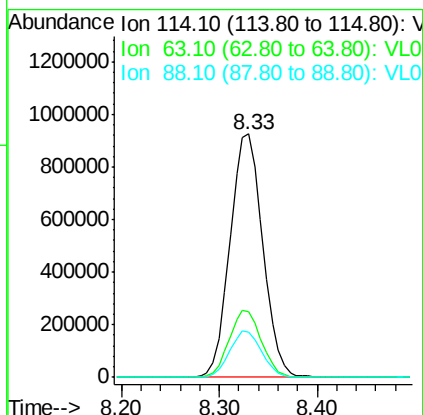
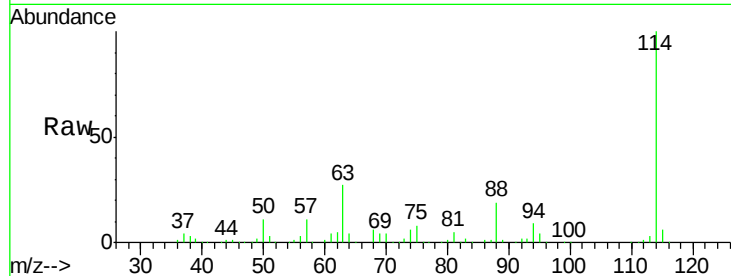
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL025770.D
 Acq: 28 Jul 2015 2:20

Instrument :
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 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion:114 Resp: 2146694
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.6 15.0 22.4

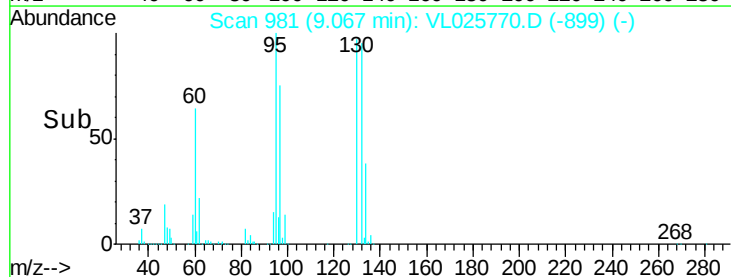
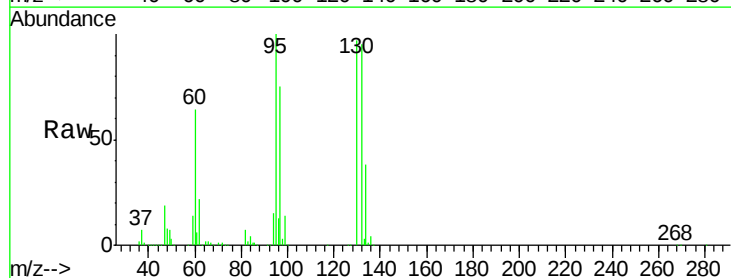
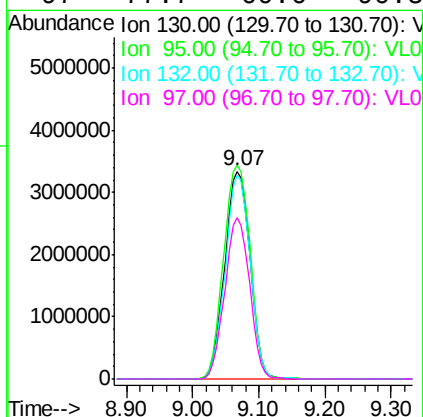
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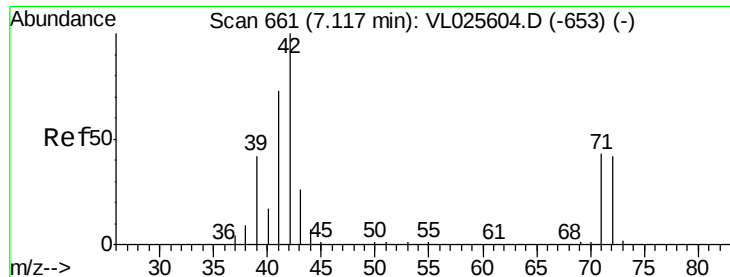
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#38
 Trichloroethene
 Concen: 92.44 ppbv
 RT: 9.07 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VL025770.D
 Acq: 28 Jul 2015 2:20

Tgt Ion:130 Resp: 8836215
 Ion Ratio Lower Upper
 130 100
 95 102.9 94.2 141.4
 132 98.2 78.6 118.0
 97 77.7 60.6 90.8





#41

Tetrahydrofuran

Concen: 0.12 ppbv

RT: 7.18 min Scan# 671

Delta R.T. 0.06 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

Instrument :

MSVOA_L

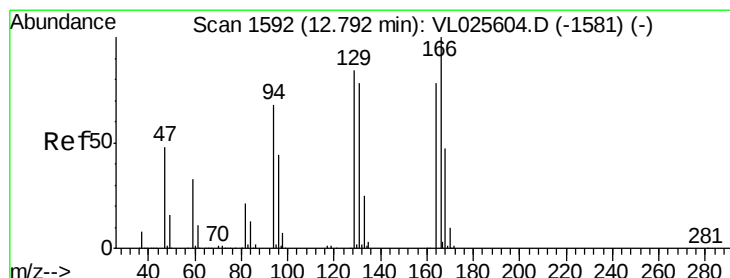
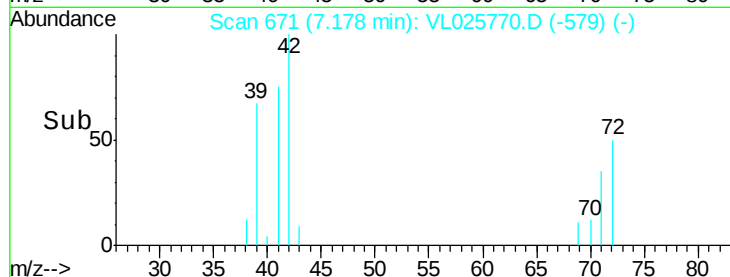
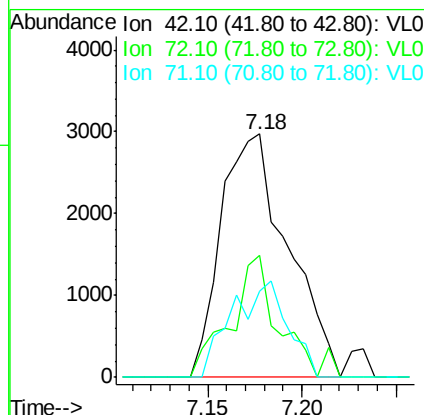
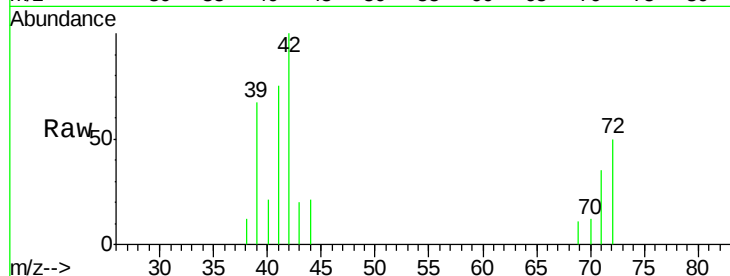
ClientSampleId :

DIN46-EFFLUENT-072315

Tgt Ion:	42	Resp:	7315
Ion Ratio	Lower	Upper	
42	100		
72	36.5	34.0	51.0
71	33.2	33.0	49.6

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#52

Tetrachloroethene

Concen: 0.10 ppbv

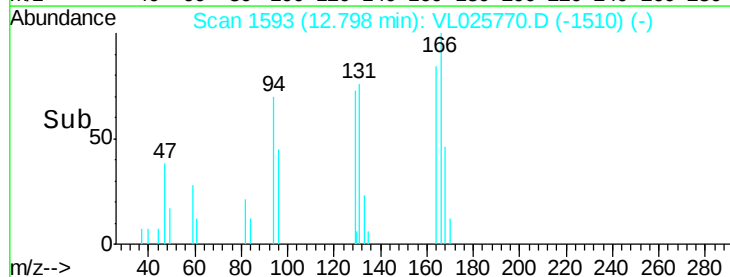
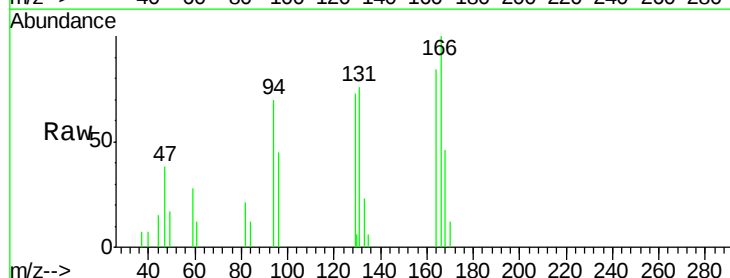
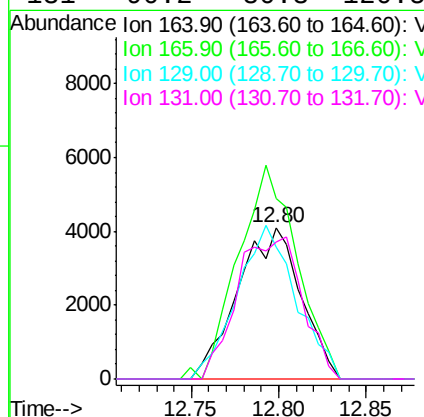
RT: 12.80 min Scan# 1593

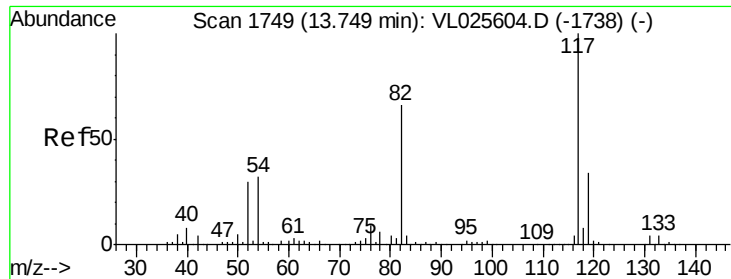
Delta R.T. 0.01 min

Lab File: VL025770.D

Acq: 28 Jul 2015 2:20

Tgt Ion:	164	Resp:	10364
Ion Ratio	Lower	Upper	
164	100		
166	119.1	102.3	153.5
129	86.8	86.2	129.4
131	90.2	80.3	120.5





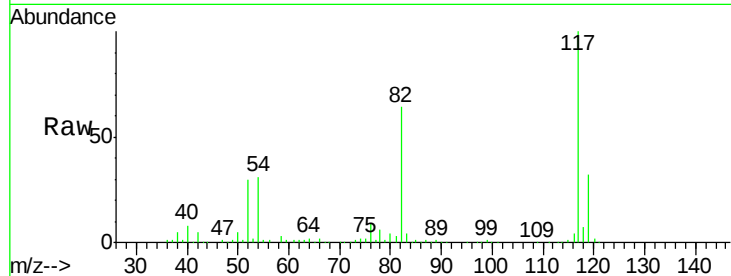
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

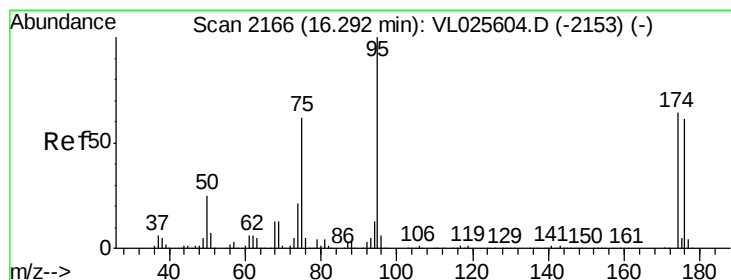
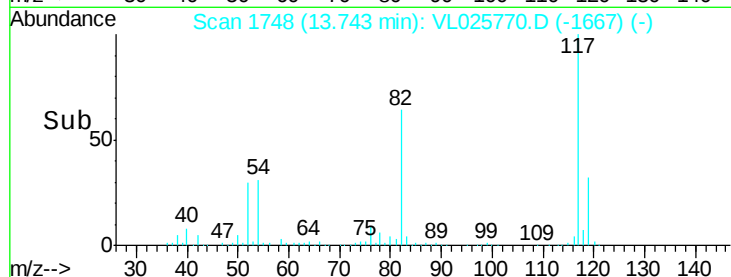
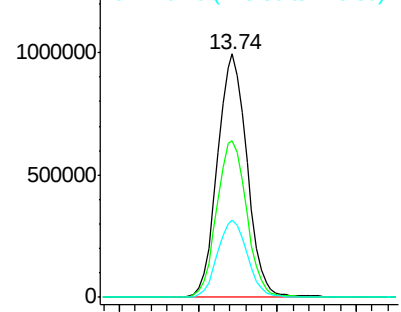
Tgt Ion: 117 Resp: 2596950
Ion Ratio Lower Upper
117 100
82 65.7 50.5 75.7
119 32.3 45.1 67.7#

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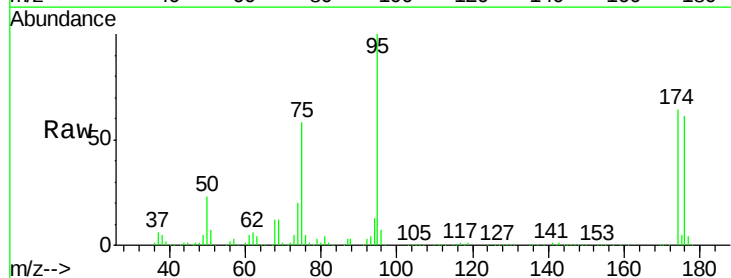


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.06 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 95 Resp: 2203400
Ion Ratio Lower Upper
95 100
174 64.6 52.0 78.0
175 5.0 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

