

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025769.D
 Acq On : 28 Jul 2015 1:40
 Operator : SY/MD
 Sample : G3040-06DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-EFFLUENT-072215DL

Manual Integrations
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 7/28/2015 11:59:56 AM

Quant Time: Jul 28 04:34:10 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	881136	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2265913	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.74	117	2745859	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.28	95	2335920	10.08	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.88	62	2807479	45.90	ppbv	97
9) Propene	3.59	41	47601	1.15	ppbv	92
13) Ethanol	4.34	45	24855	3.87	ppbv	98
17) tert-Butyl alcohol	5.18	59	14638	0.11	ppbv	100
18) 1,1-Dichloroethene	5.08	96	95065	1.46	ppbv	93
22) trans-1,2-Dichloroethene	5.76	96	7998	0.12	ppbv #	67
24) 1,1-Dichloroethane	5.90	63	20826	0.13	ppbv #	96
27) Carbon Disulfide	5.39	76	40770	0.23	ppbv	93
31) cis-1,2-Dichloroethene	6.51	61	344507	3.13	ppbv	97
34) 2-Butanone	6.22	43	20039m	0.16	ppbv	
38) Trichloroethene	9.06	130	6796	0.07	ppbv #	77

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

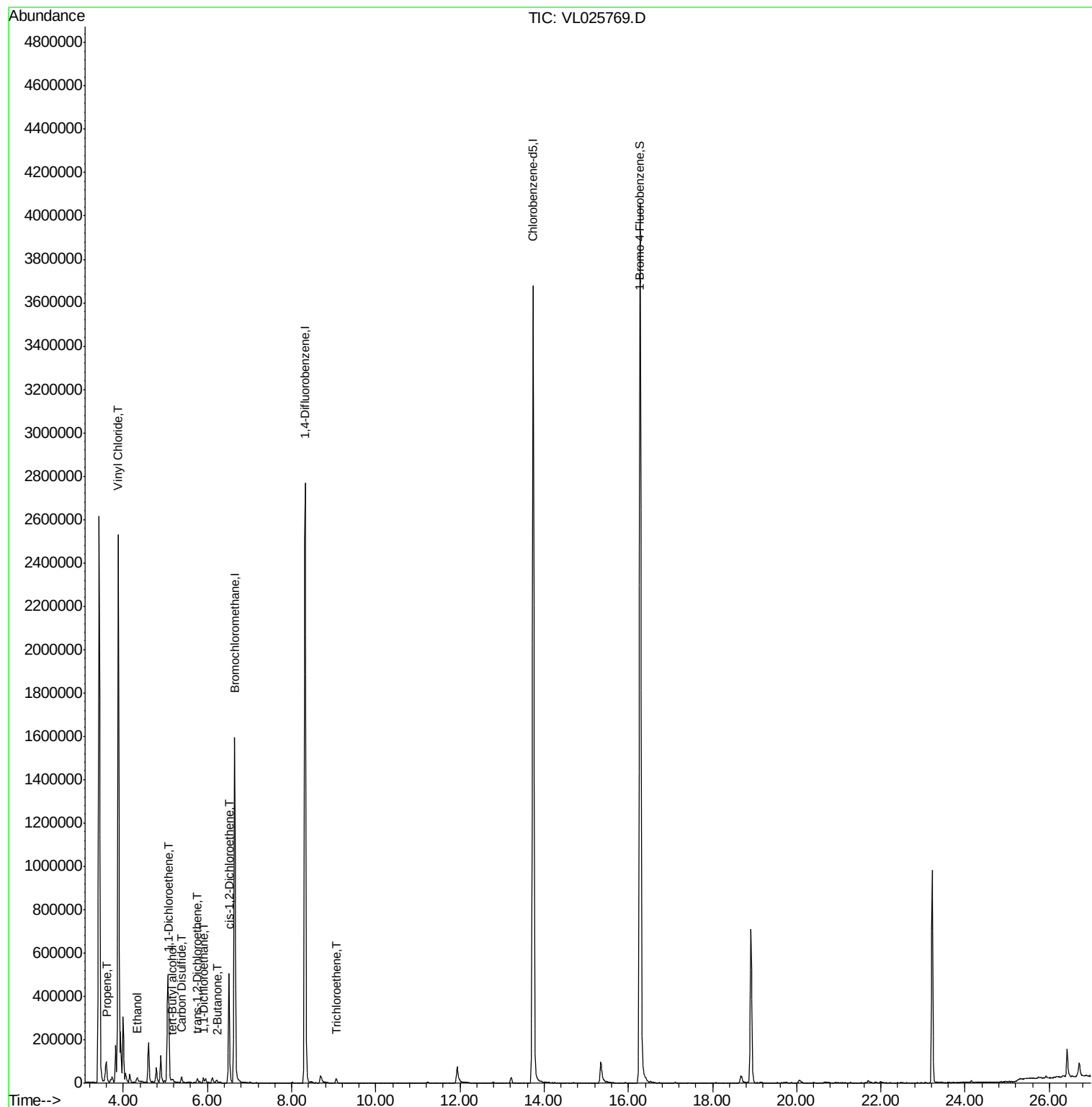
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025769.D
Acq On : 28 Jul 2015 1:40
Operator : SY/MD
Sample : G3040-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

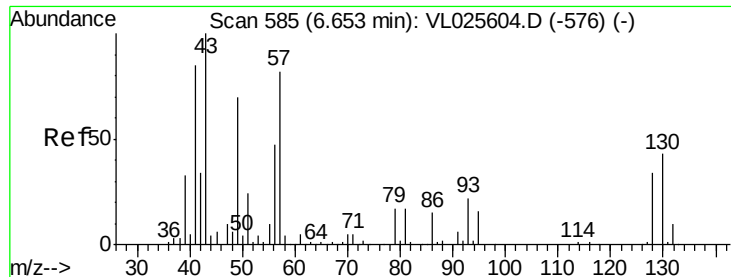
Instrument :
MSVOA_L
ClientSampleId :
ERD45-EFFLUENT-072215DL

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Quant Time: Jul 28 04:34:10 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: VL025769.D

Acq: 28 Jul 2015 1:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-EFFLUENT-072215DL

Tgt Ion: 49 Resp: 881136
Ion Ratio Lower Upper

49 100

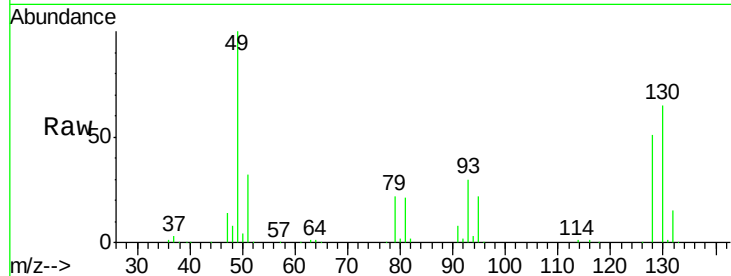
128 50.2 25.4 76.0

130 64.5 31.9 95.9

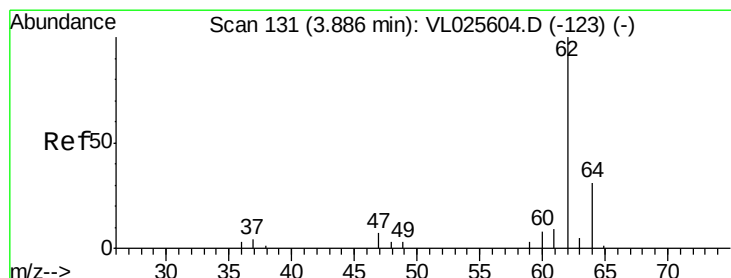
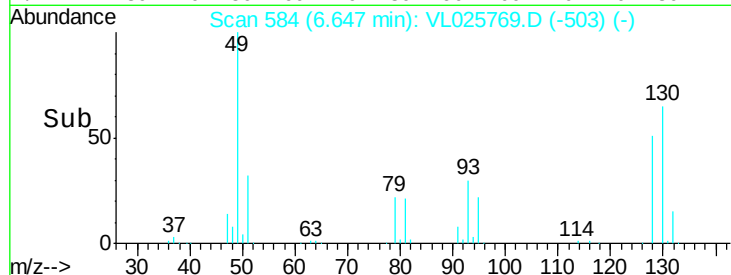
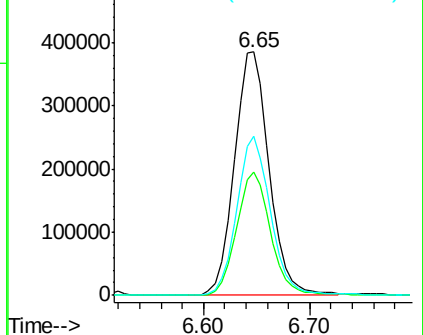
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 45.90 ppbv

RT: 3.88 min Scan# 130

Delta R.T. -0.01 min

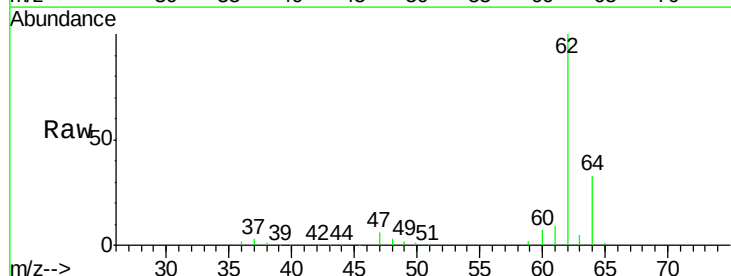
Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

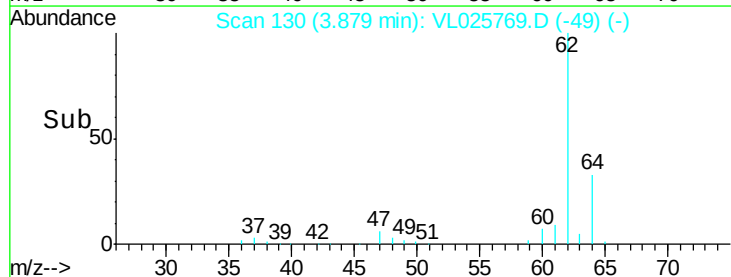
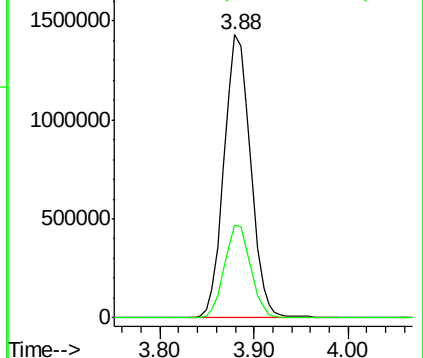
Tgt Ion: 62 Resp: 2807479
Ion Ratio Lower Upper

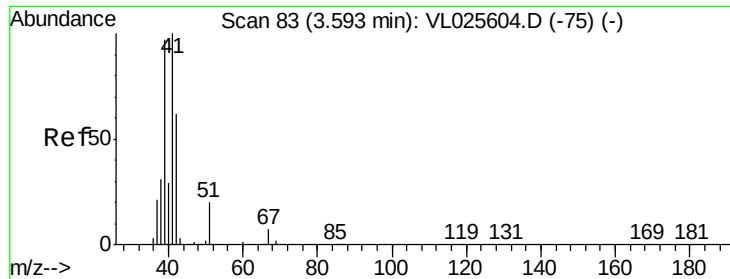
62 100

64 32.7 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 1.15 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-EFFLUENT-072215DL

Tgt Ion: 41 Resp: 47601

Ion Ratio Lower Upper

41 100

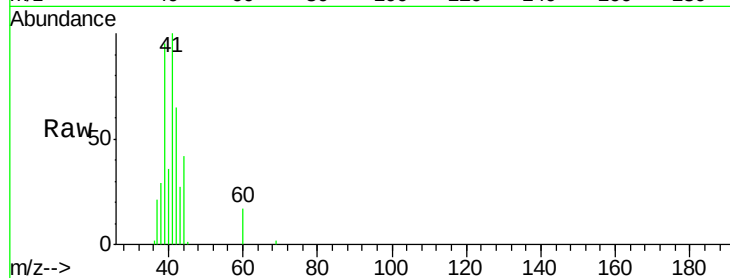
42 58.8 52.4 78.6

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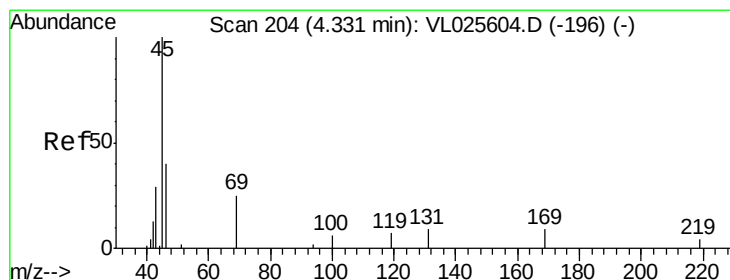
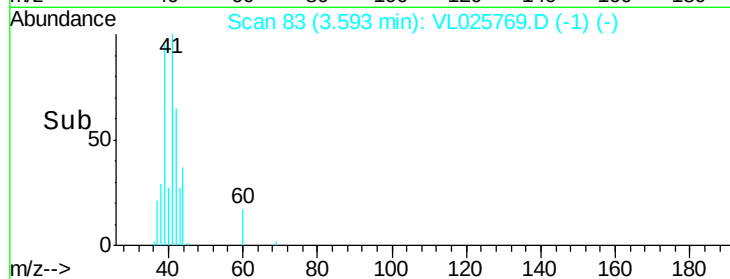
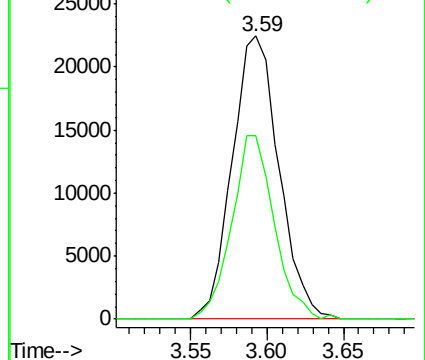
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 3.87 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL025769.D

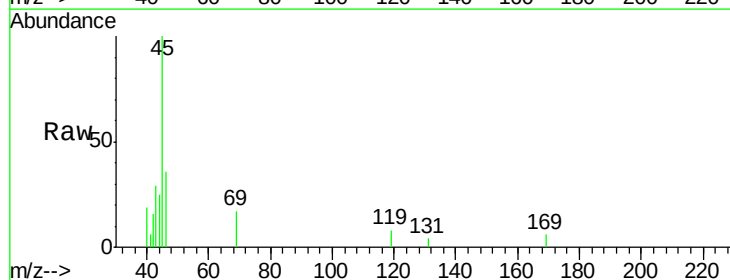
Acq: 28 Jul 2015 1:40

Tgt Ion: 45 Resp: 24855

Ion Ratio Lower Upper

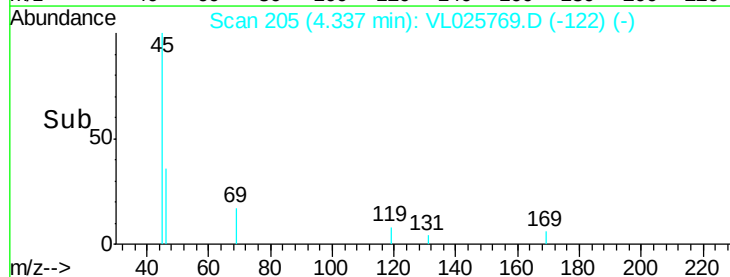
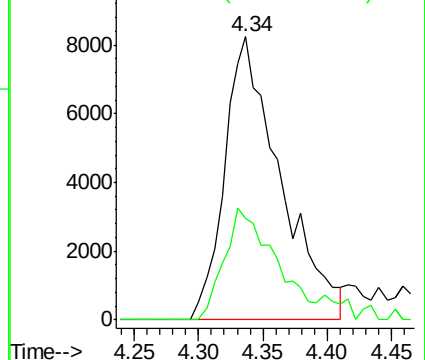
45 100

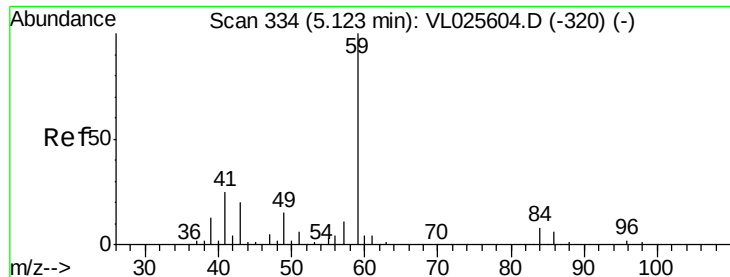
46 41.1 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#17

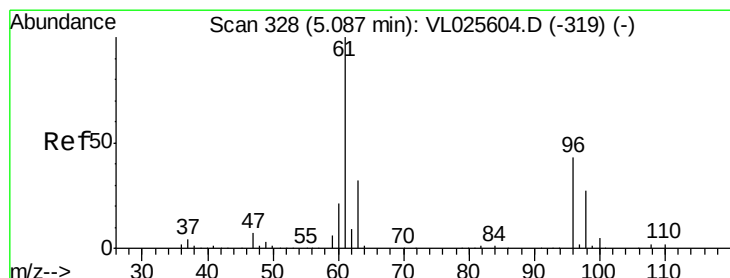
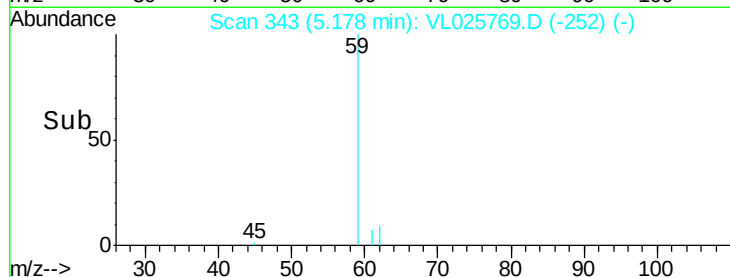
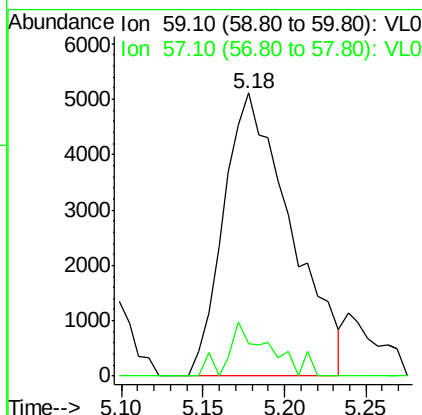
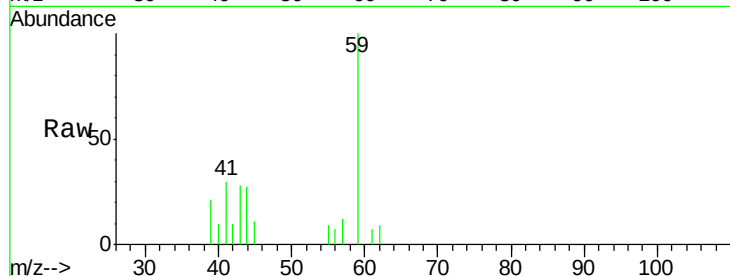
tert-Butyl alcohol
Concen: 0.11 ppbv
RT: 5.18 min Scan# 343
Delta R.T. 0.05 min
Lab File: VL025769.D
Acq: 28 Jul 2015 1:40

Instrument :
MSVOA_L
ClientSampleId :
ERD45-EFFLUENT-072215DL

Tgt Ion: 59 Resp: 14638
Ion Ratio Lower Upper
59 100
57 11.8 9.4 14.2

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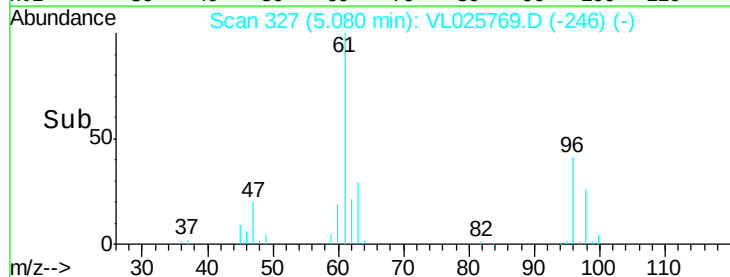
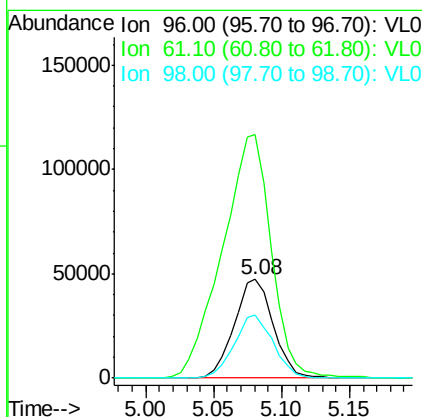
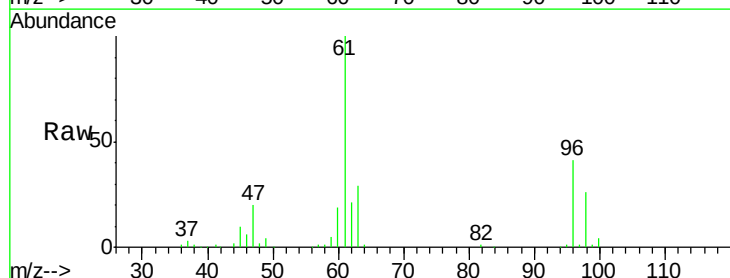
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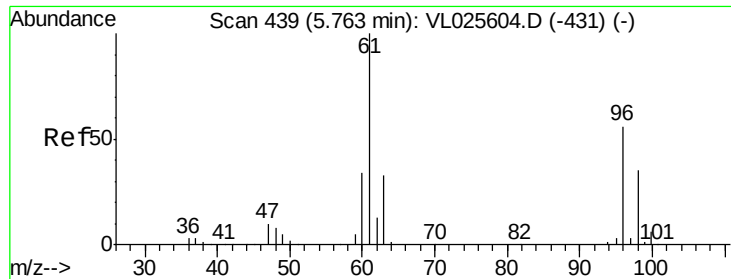


#18

1,1-Dichloroethene
Concen: 1.46 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025769.D
Acq: 28 Jul 2015 1:40

Tgt Ion: 96 Resp: 95065
Ion Ratio Lower Upper
96 100
61 244.9 184.1 276.1
98 63.6 50.0 75.0





#22

trans-1,2-Dichloroethene

Concen: 0.12 ppbv

RT: 5.76 min Scan# 438

Delta R.T. -0.01 min

Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-EFFLUENT-072215DL

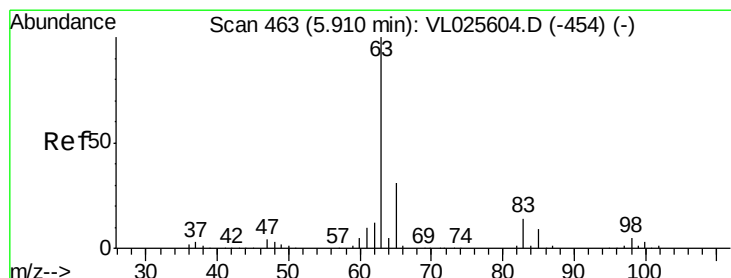
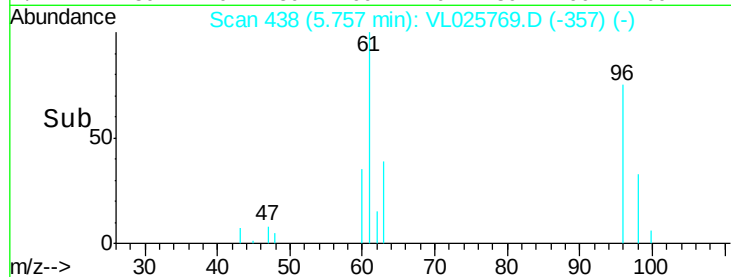
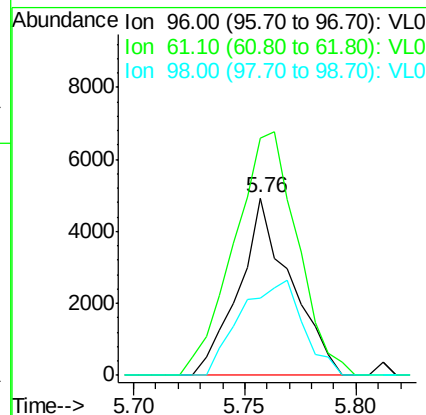
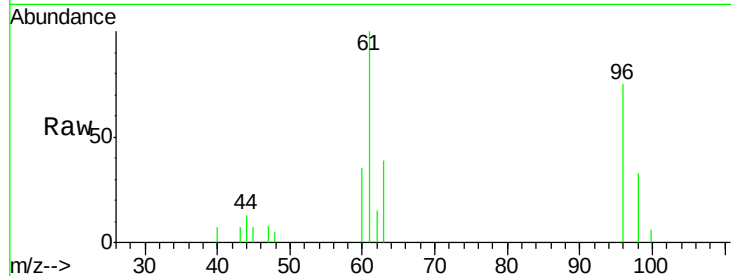
Tgt Ion: 96 Resp: 7998

Ion	Ratio	Lower	Upper
96	100		
61	126.5	141.8	212.6#
98	43.8	49.0	73.6#

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#24

1,1-Dichloroethane

Concen: 0.13 ppbv

RT: 5.90 min Scan# 461

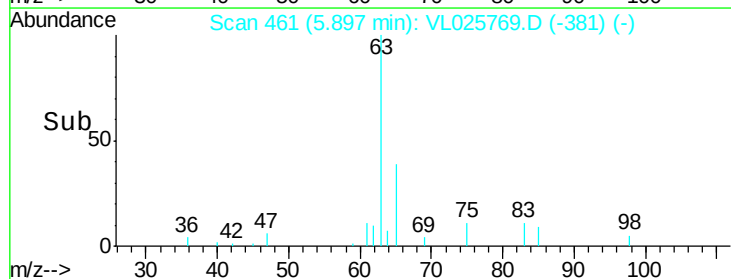
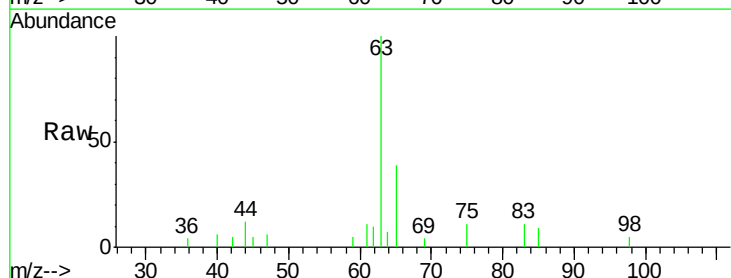
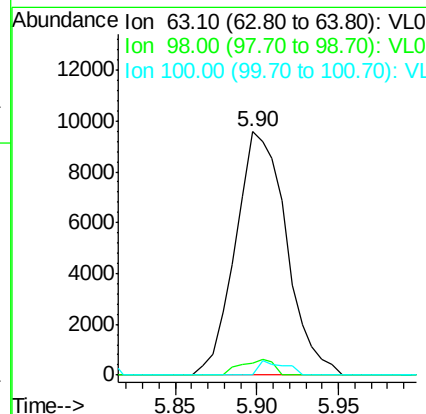
Delta R.T. -0.01 min

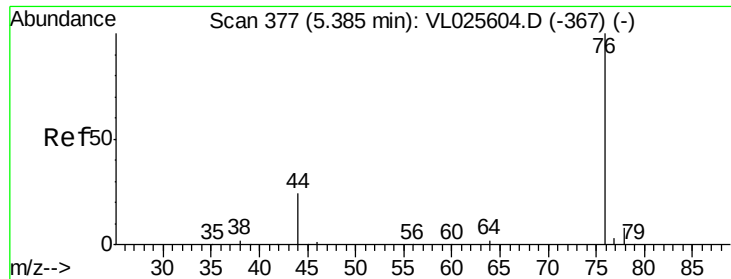
Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Tgt Ion: 63 Resp: 20826

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	8.0
100	0.0	1.6	4.7#





#27

Carbon Disulfide

Concen: 0.23 ppbv

RT: 5.39 min Scan# 377

Delta R.T. -0.00 min

Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Instrument :

MSVOA_L

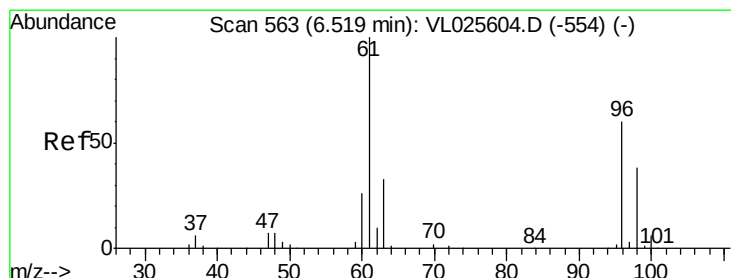
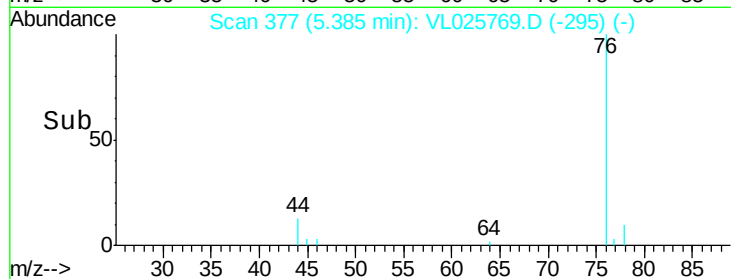
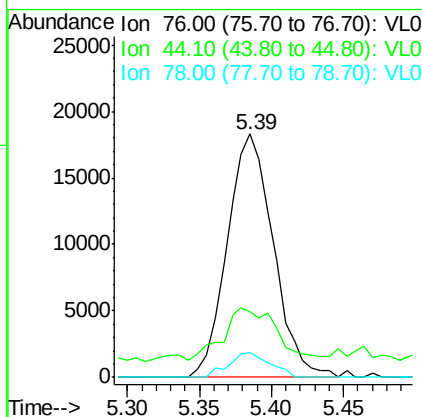
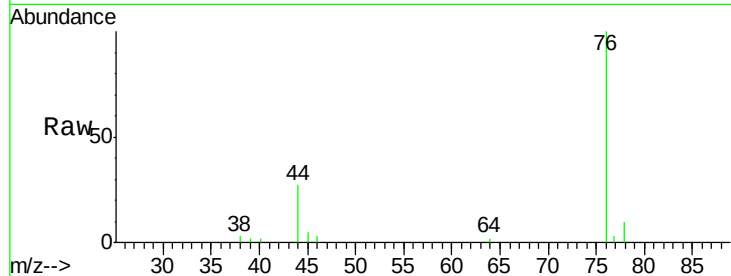
ClientSampleId :

ERD45-EFFLUENT-072215DL

Tgt Ion:	76	Resp:	40770
Ion	Ratio	Lower	Upper
76	100		
44	29.8	20.2	30.4
78	9.1	7.4	11.2

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#31

cis-1,2-Dichloroethene

Concen: 3.13 ppbv

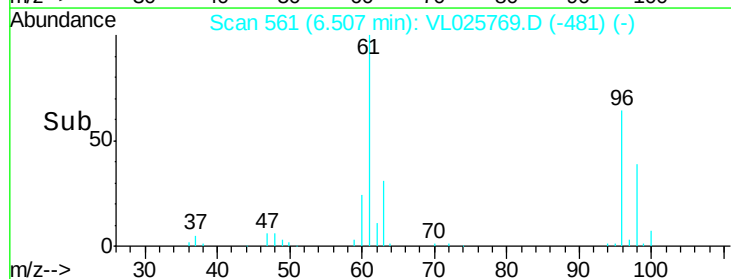
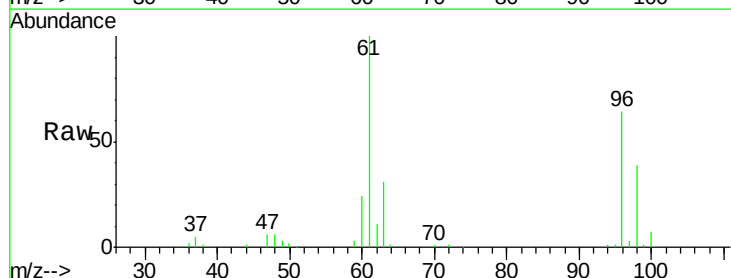
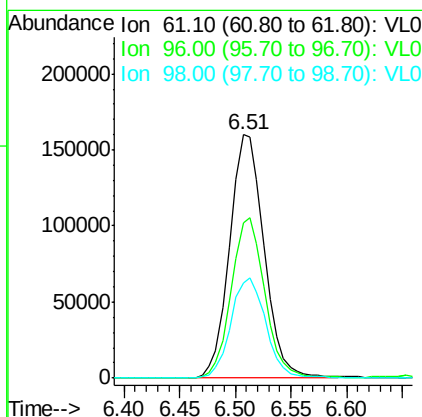
RT: 6.51 min Scan# 561

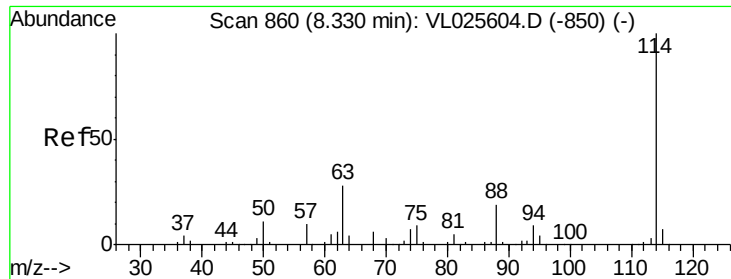
Delta R.T. -0.01 min

Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Tgt Ion:	61	Resp:	344507
Ion	Ratio	Lower	Upper
61	100		
96	63.6	48.1	72.1
98	39.3	30.7	46.1





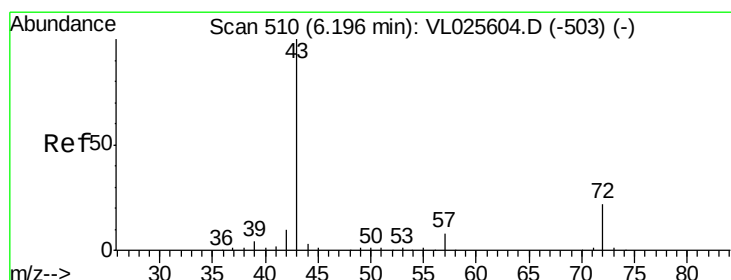
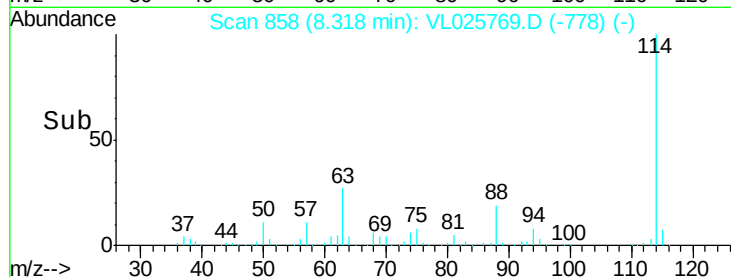
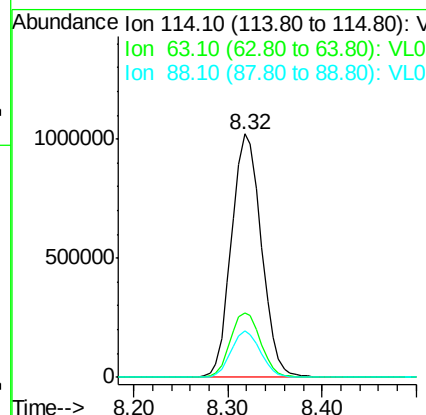
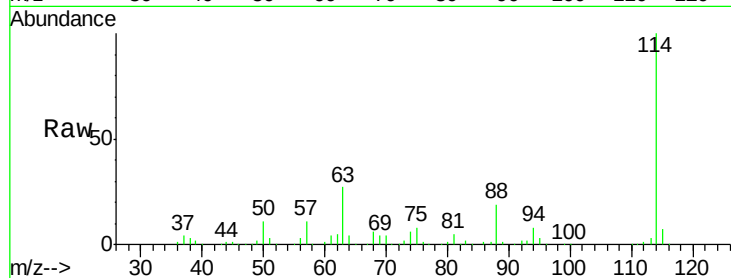
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL025769.D
 Acq: 28 Jul 2015 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-EFFLUENT-072215DL

Tgt Ion: 114 Resp: 2265913
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.4 33.6
 88 18.7 15.0 22.4

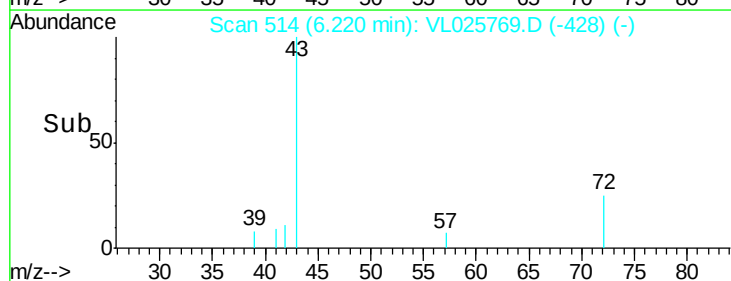
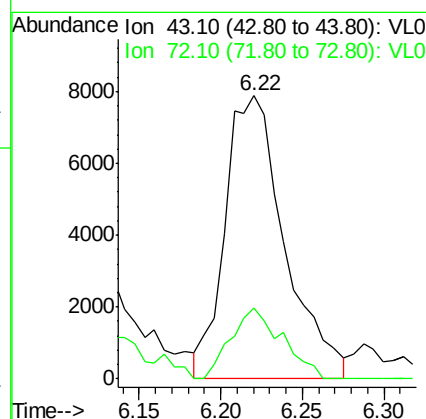
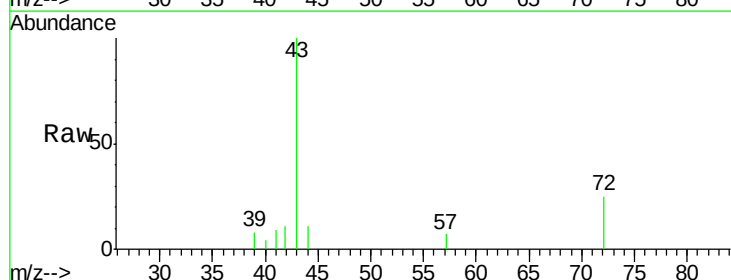
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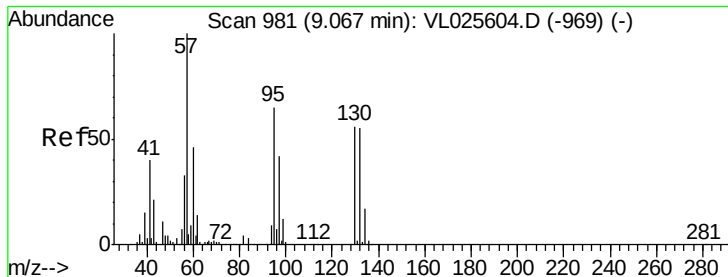
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#34
 2-Butanone
 Concen: 0.16 ppbv m
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL025769.D
 Acq: 28 Jul 2015 1:40

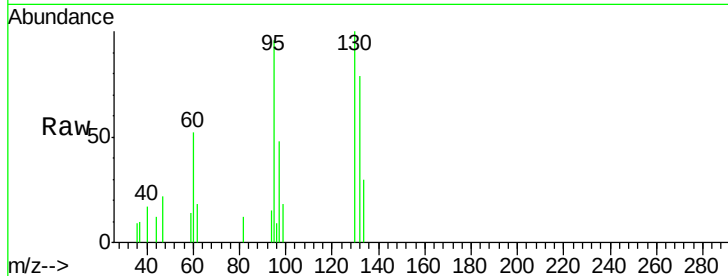
Tgt Ion: 43 Resp: 20039
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 28.0#





#38
 Trichloroethene
 Concen: 0.07 ppbv
 RT: 9.06 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VL025769.D
 Acq: 28 Jul 2015 1:40

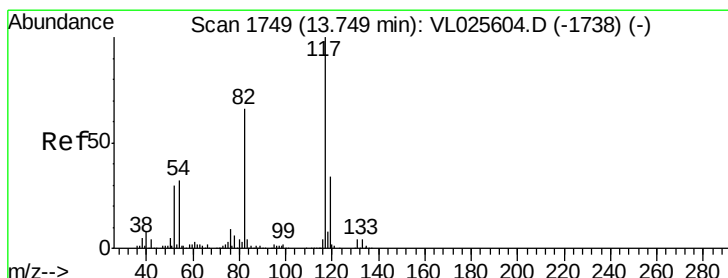
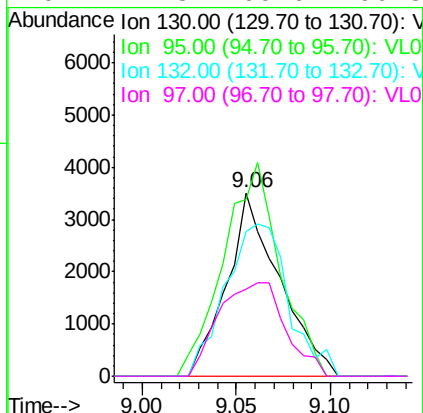
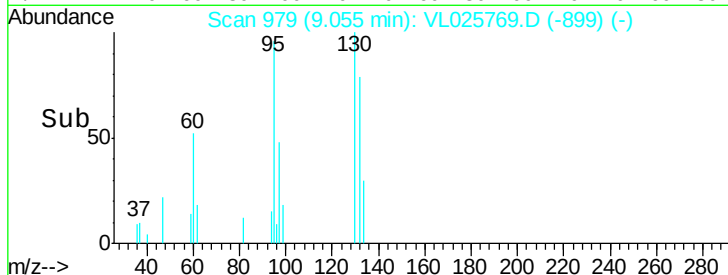
Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-EFFLUENT-072215DL



Tgt Ion:	130	Resp:	6796
Ion Ratio	Lower	Upper	
130	100		
95	96.2	94.2	141.4
132	79.3	78.6	118.0
97	47.8	60.6	90.8#

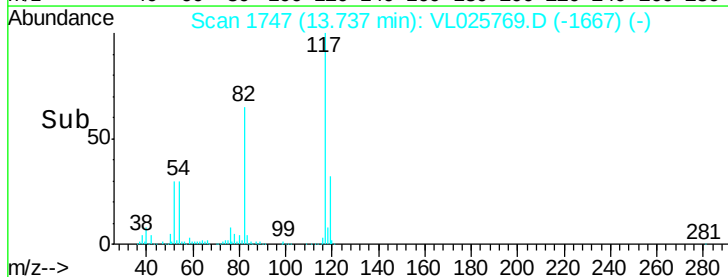
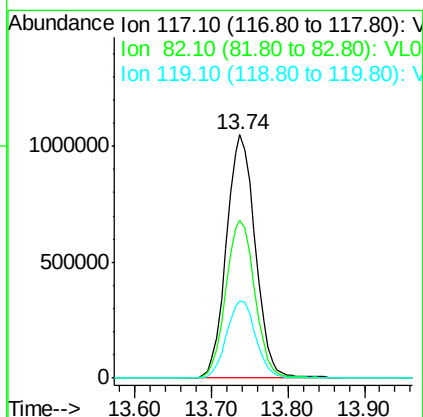
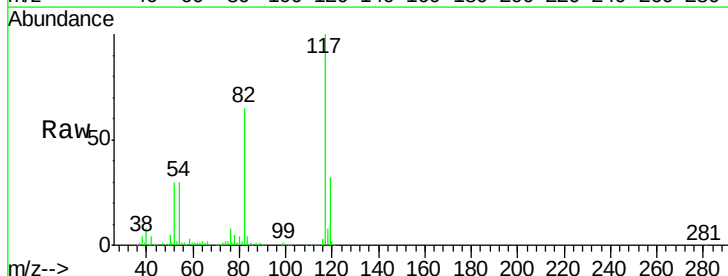
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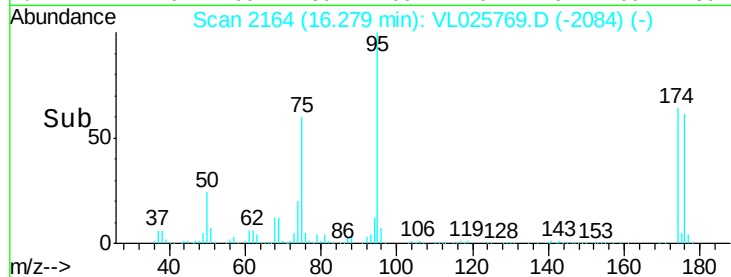
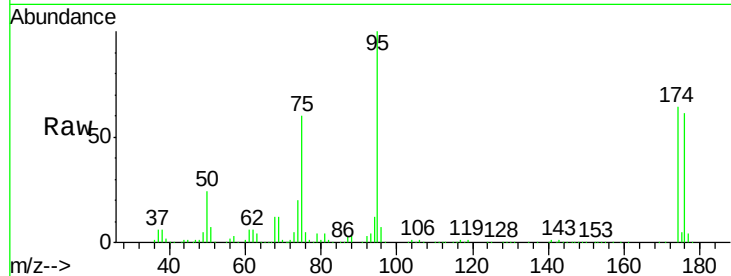
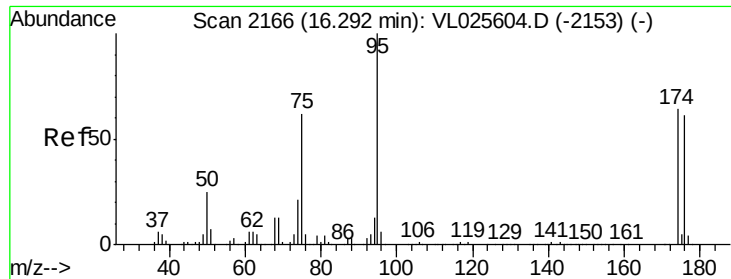
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#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.74 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VL025769.D
 Acq: 28 Jul 2015 1:40

Tgt Ion:	117	Resp:	2745859
Ion Ratio	Lower	Upper	
117	100		
82	65.5	50.5	75.7
119	32.3	45.1	67.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.08 ppbv

RT: 16.28 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VL025769.D

Acq: 28 Jul 2015 1:40

Tgt Ion: 95 Resp: 2335920

Ion Ratio Lower Upper

95 100

174 65.1 52.0 78.0

175 5.1 3.9 5.9

Instrument :

MSVOA_L

ClientSampleId :

ERD45-EFFLUENT-072215DL

Manual Integrations

APPROVED

sam

7/28/2015 11:59:56 AM

