

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025812.D
 Acq On : 31 Jul 2015 14:21
 Operator : SY/MD
 Sample : G3144-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Manual Integrations
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 8/4/2015 12:25:33 PM

Quant Time: Aug 04 11:45:43 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	6.67	49	504523	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1300919	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.76	117	1682535	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	1434156	10.10	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.65	85	66736	0.51	ppbv	97
3) Chlorodifluoromethane	3.57	51	36393m	0.51	ppbv	
4) Chloromethane	3.76	50	4670	0.14	ppbv	89
9) Propene	3.61	41	9502	0.40	ppbv	84
15) Acetone	4.63	43	101135	1.13	ppbv	96
20) Methylene Chloride	5.17	84	82684	2.28	ppbv	94
31) cis-1,2-Dichloroethene	6.53	61	46801	0.74	ppbv	91
34) 2-Butanone	6.24	43	8758	0.12	ppbv	93
38) Trichloroethene	9.08	130	7781	0.13	ppbv #	85
52) Tetrachloroethene	12.81	164	103621	1.66	ppbv	97

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

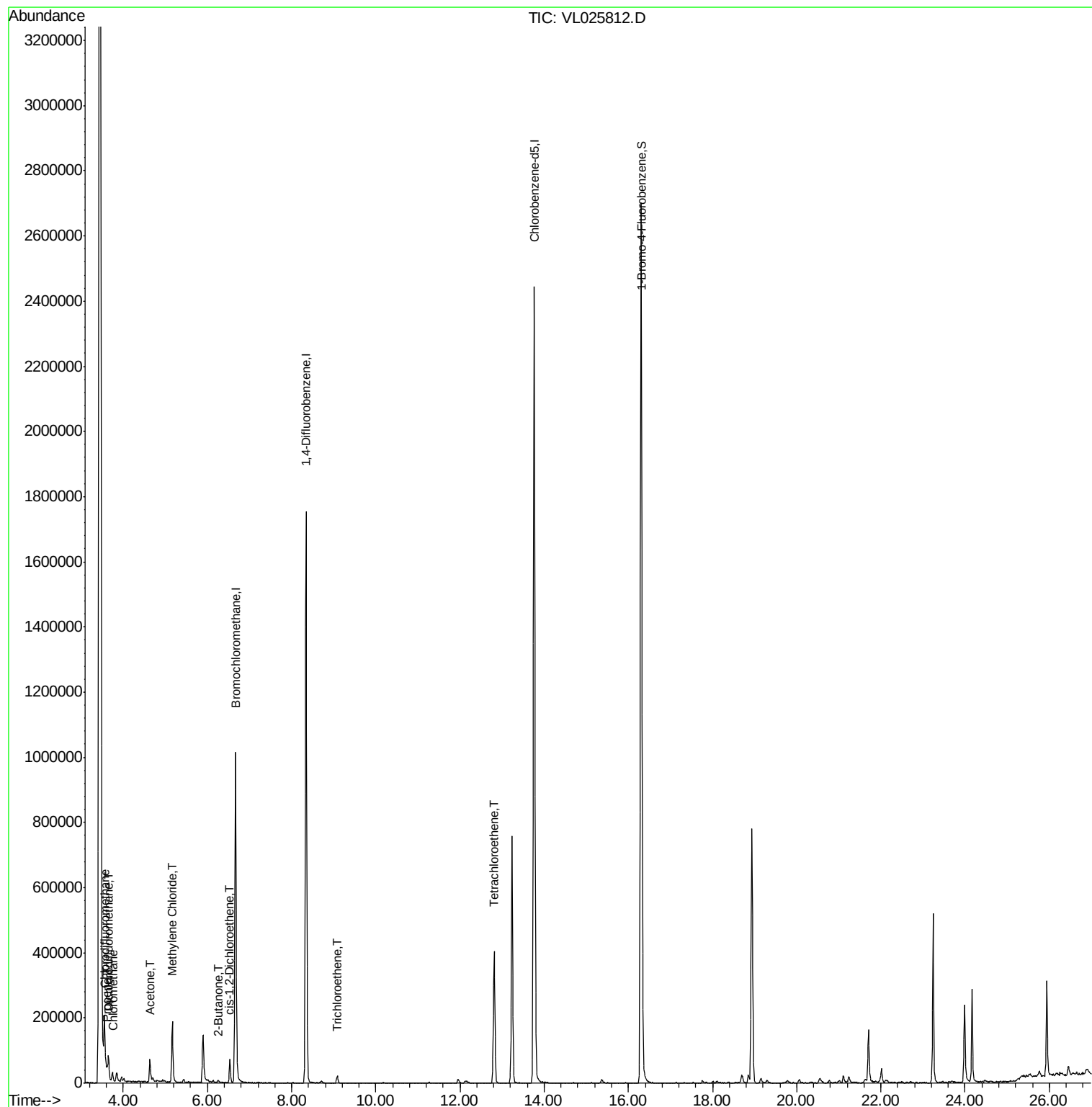
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
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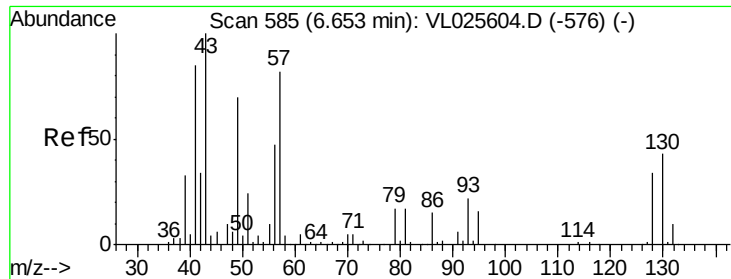
Instrument :
MSVOA_L
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Quant Time: Aug 04 11:45:43 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025812.D

Acq: 31 Jul 2015 14:21

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tgt Ion: 49 Resp: 504523
Ion Ratio Lower Upper

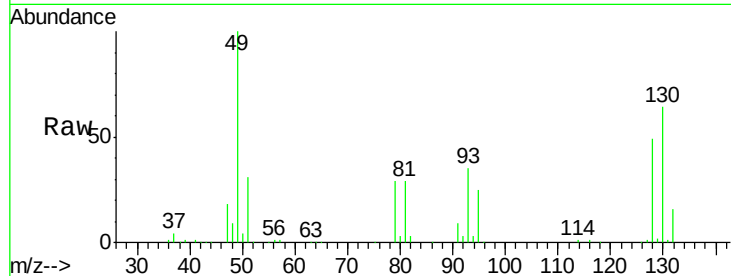
49 100

128 51.8 25.4 76.0

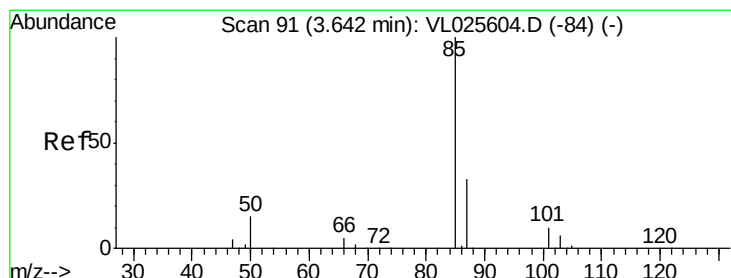
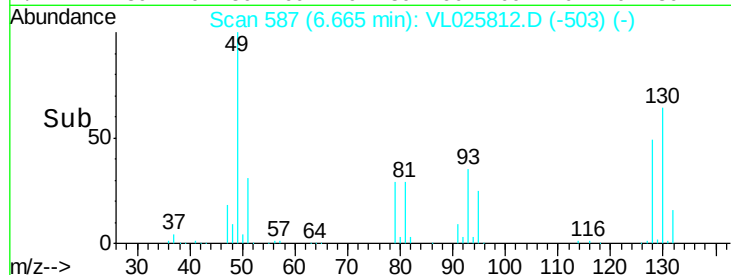
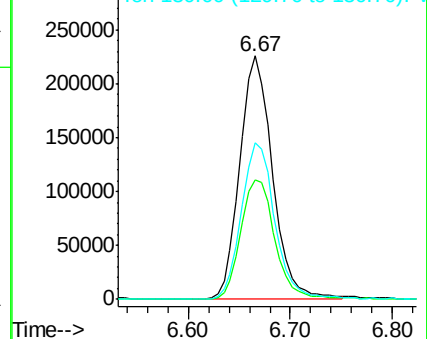
130 66.8 31.9 95.9

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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



#2

Dichlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.65 min Scan# 93

Delta R.T. 0.01 min

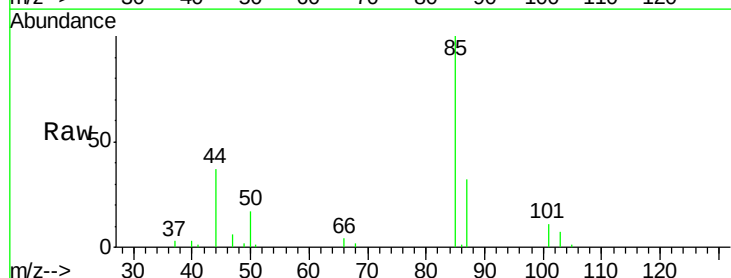
Lab File: VL025812.D

Acq: 31 Jul 2015 14:21

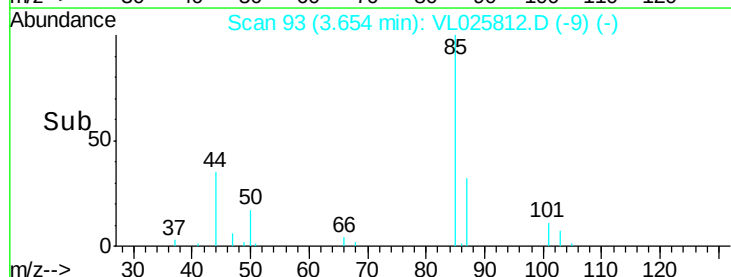
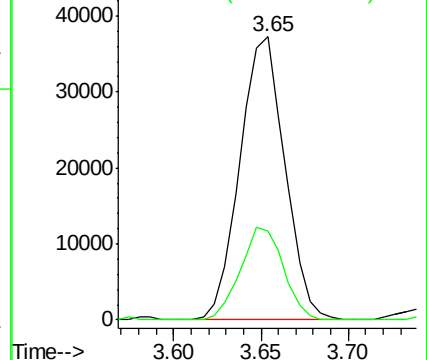
Tgt Ion: 85 Resp: 66736
Ion Ratio Lower Upper

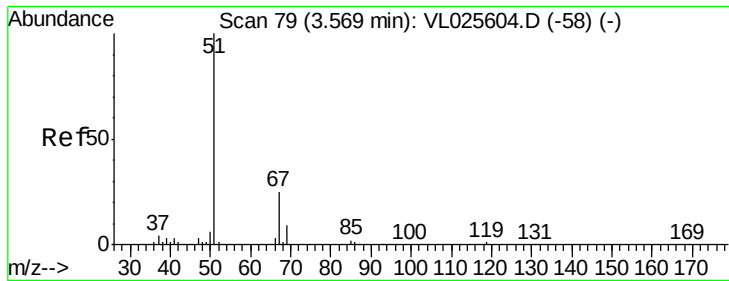
85 100

87 31.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.51 ppbv m

RT: 3.57 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL025812.D

Acq: 31 Jul 2015 14:21

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tgt Ion: 51 Resp: 36393

Ion Ratio Lower Upper

51 100

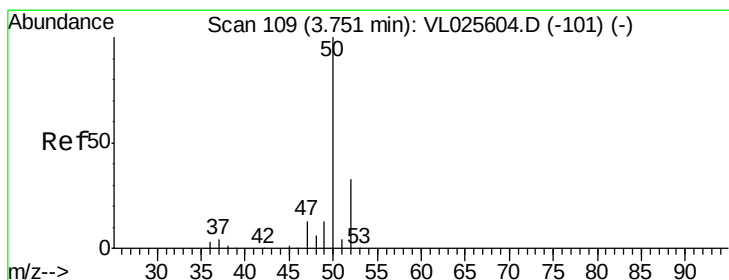
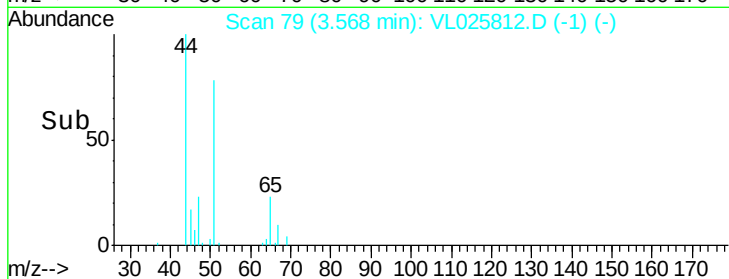
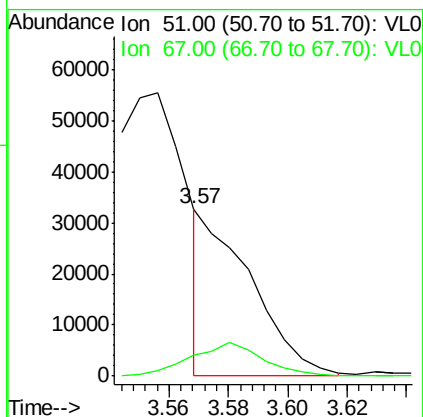
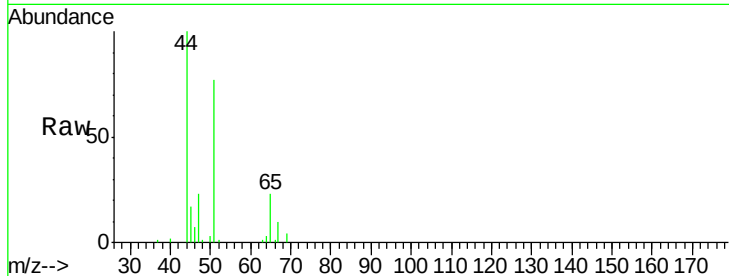
67 30.2 19.5 29.3#

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#4

Chloromethane

Concen: 0.14 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL025812.D

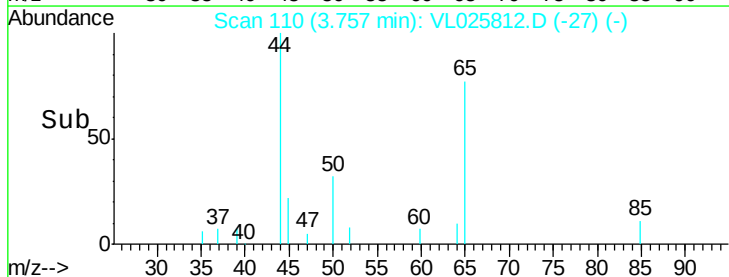
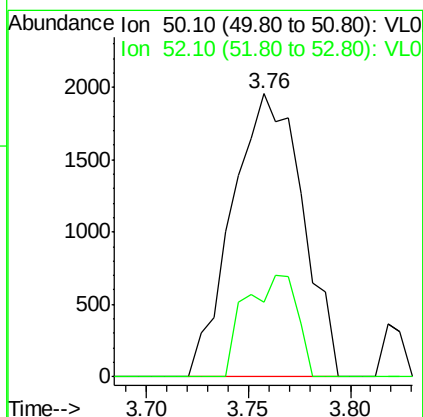
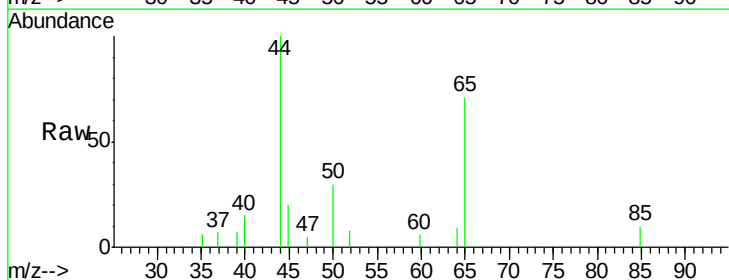
Acq: 31 Jul 2015 14:21

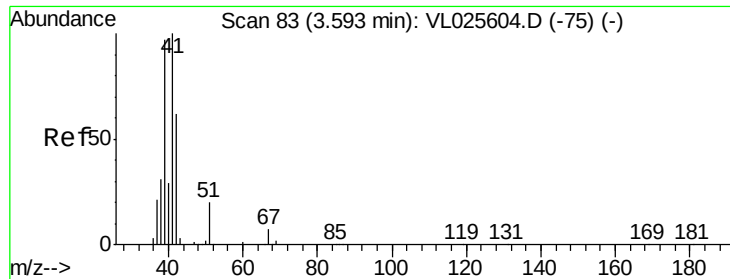
Tgt Ion: 50 Resp: 4670

Ion Ratio Lower Upper

50 100

52 26.2 26.2 39.2





#9

Propene

Concen: 0.40 ppbv

RT: 3.61 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL025812.D

Acq: 31 Jul 2015 14:21

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tgt Ion: 41 Resp: 9502

Ion Ratio Lower Upper

41 100

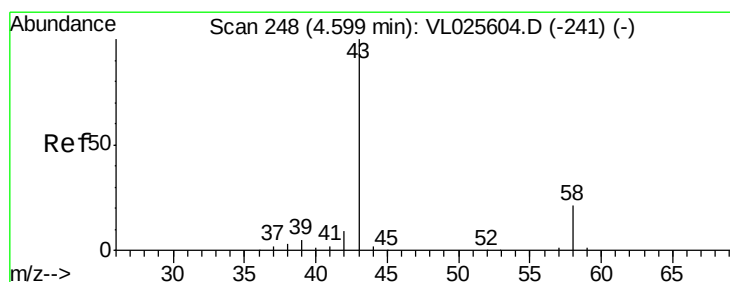
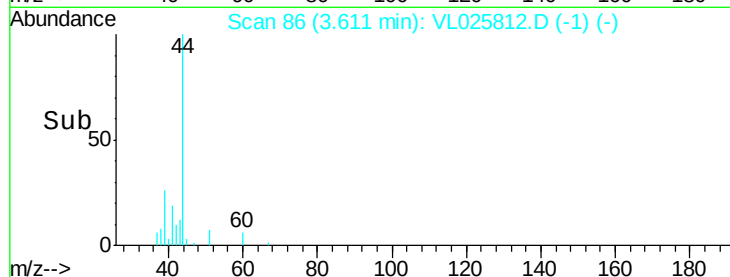
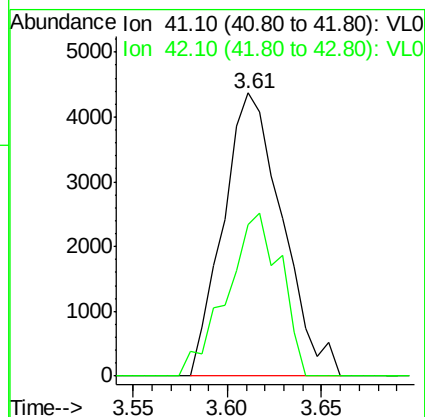
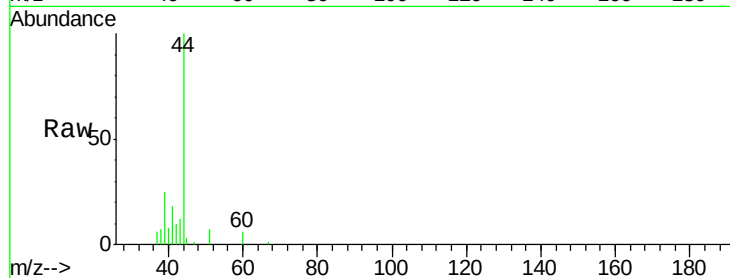
42 52.5 52.4 78.6

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#15

Acetone

Concen: 1.13 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025812.D

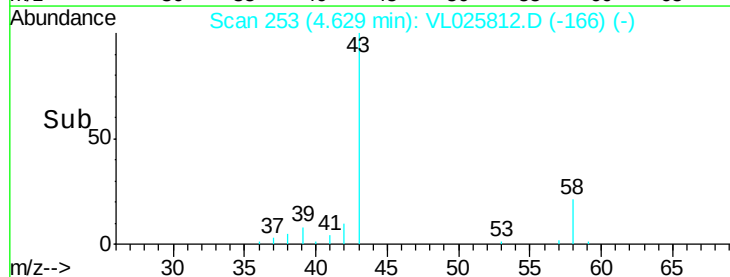
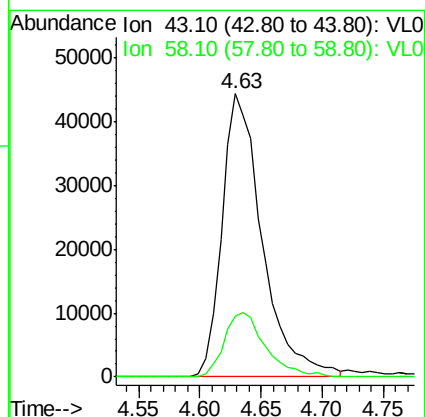
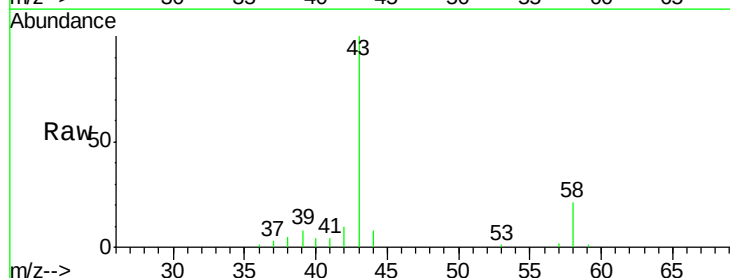
Acq: 31 Jul 2015 14:21

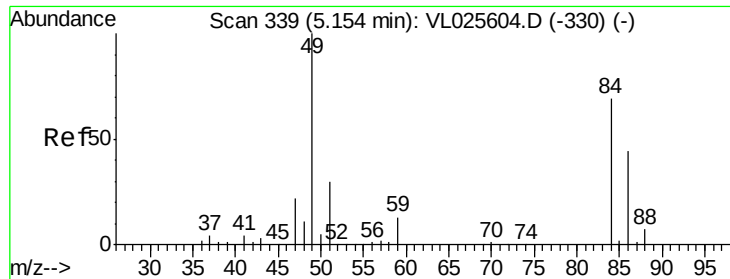
Tgt Ion: 43 Resp: 101135

Ion Ratio Lower Upper

43 100

58 23.3 17.2 25.8





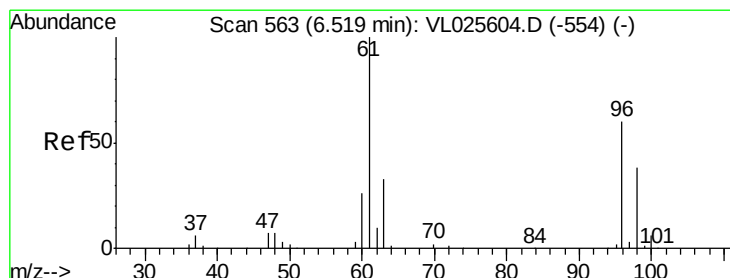
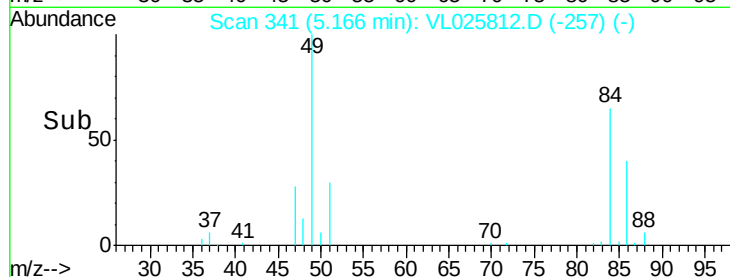
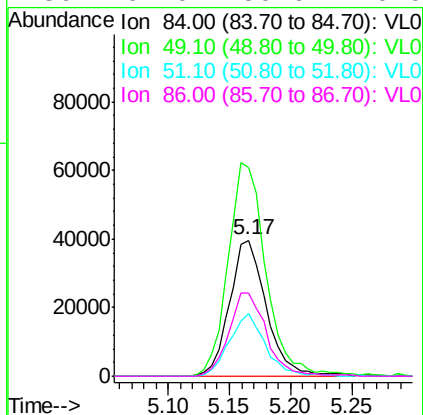
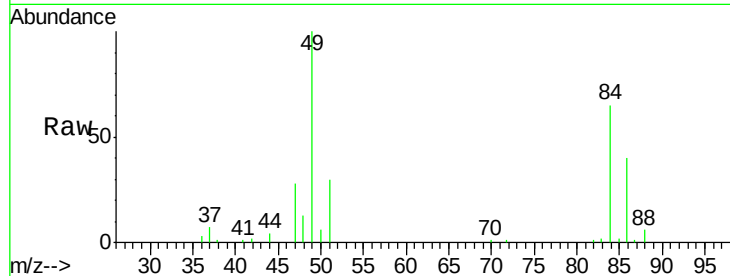
#20
Methylene Chloride
Concen: 2.28 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL025812.D
Acq: 31 Jul 2015 14:21

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	115.2	172.8
51	45.7	35.0	52.6
86	61.0	50.6	76.0

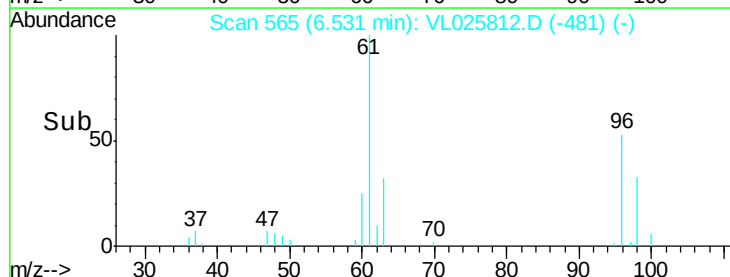
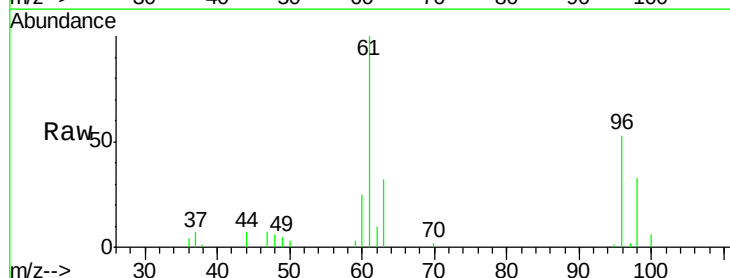
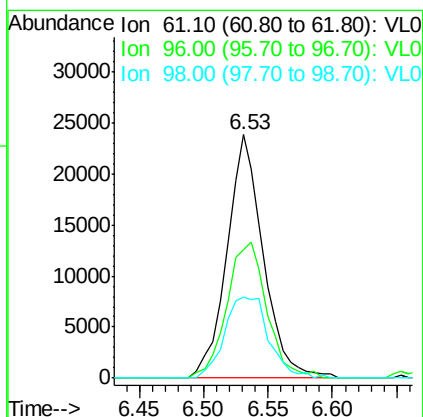
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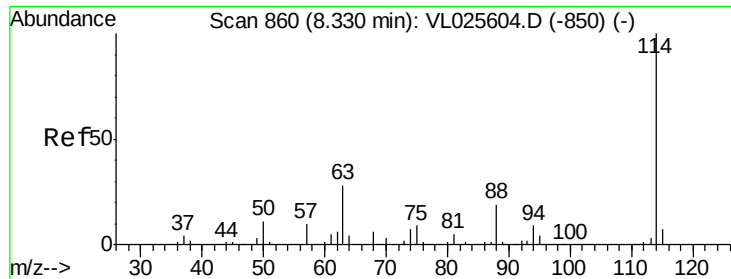
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#31
cis-1,2-Dichloroethene
Concen: 0.74 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL025812.D
Acq: 31 Jul 2015 14:21

Tgt Ion	Ratio	Lower	Upper
61	100		
96	52.8	48.1	72.1
98	33.3	30.7	46.1





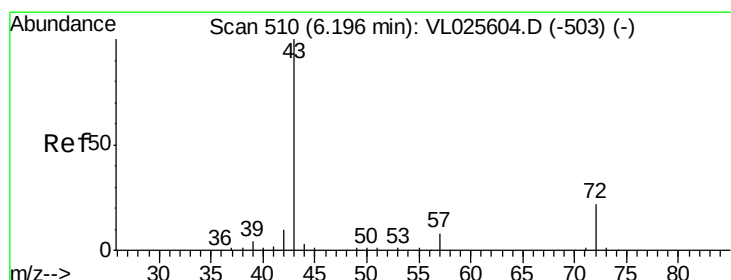
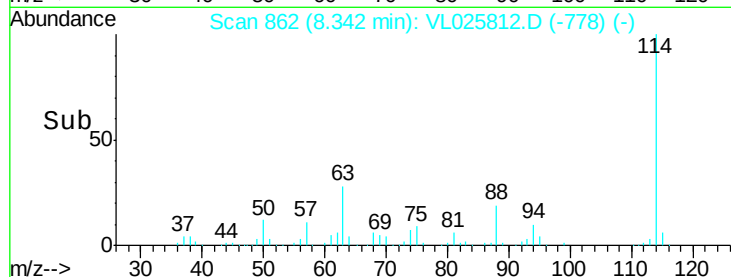
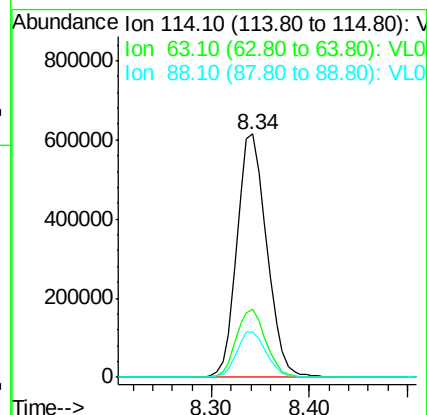
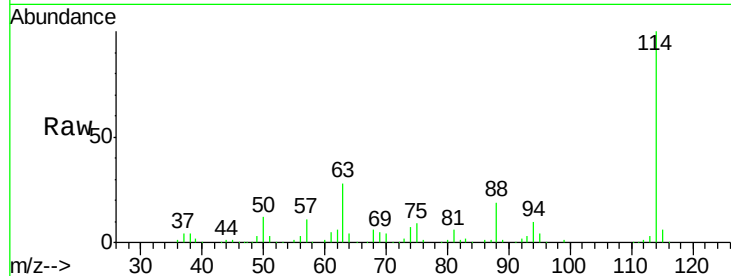
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL025812.D
 Acq: 31 Jul 2015 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Tgt Ion: 114 Resp: 1300919
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 18.6 15.0 22.4

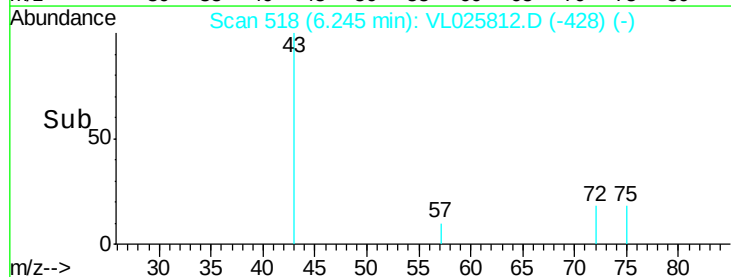
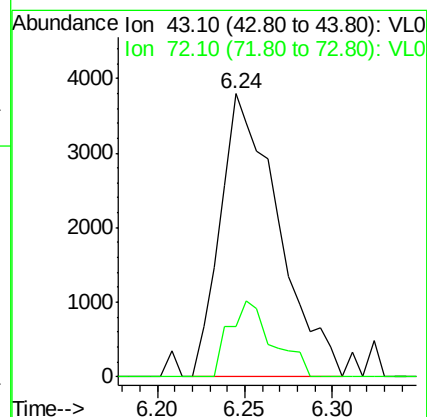
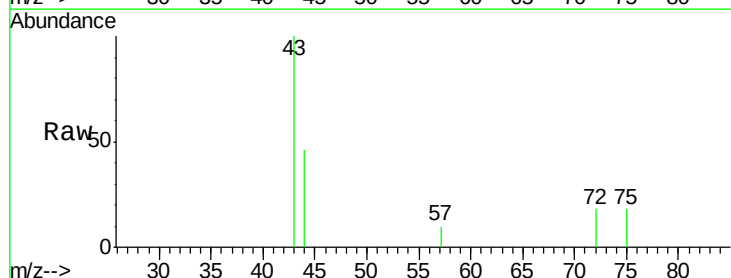
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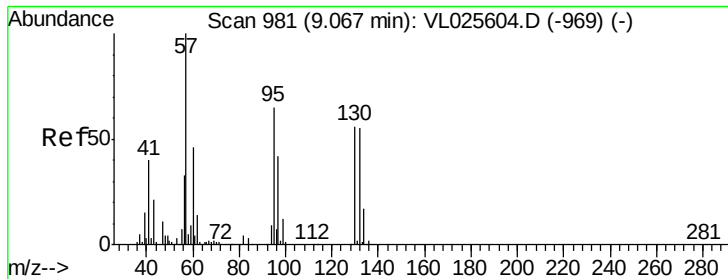
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#34
 2-Butanone
 Concen: 0.12 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. 0.05 min
 Lab File: VL025812.D
 Acq: 31 Jul 2015 14:21

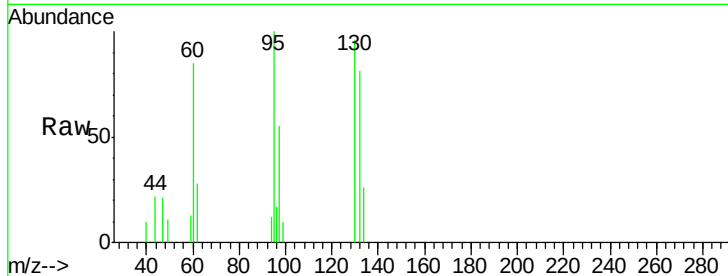
Tgt Ion: 43 Resp: 8758
 Ion Ratio Lower Upper
 43 100
 72 20.0 18.6 28.0





#38
 Trichloroethene
 Concen: 0.13 ppbv
 RT: 9.08 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VL025812.D
 Acq: 31 Jul 2015 14:21

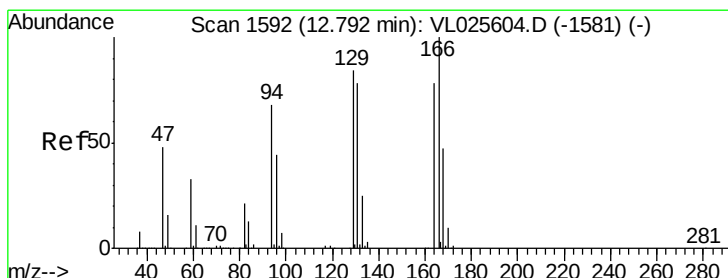
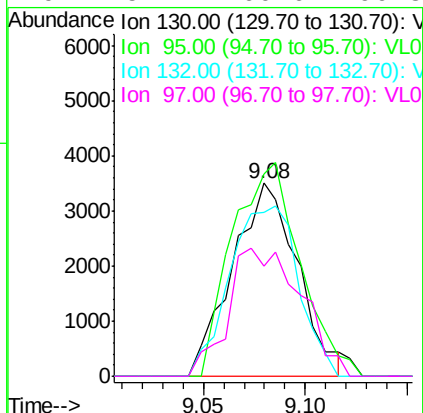
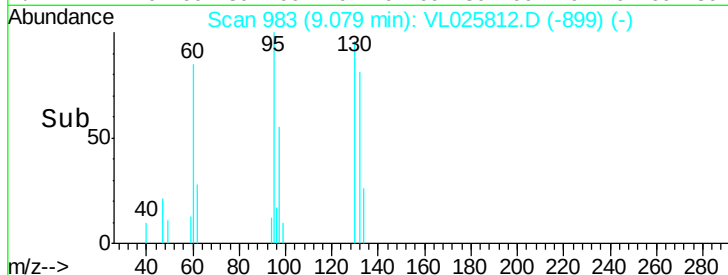
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT



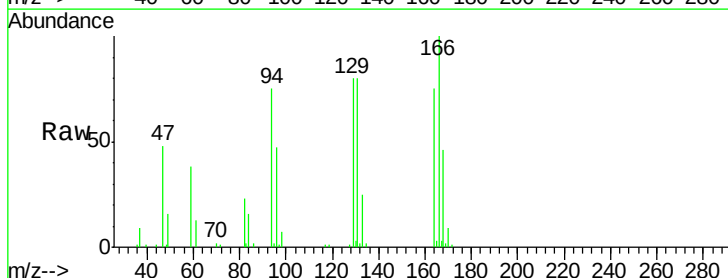
Tgt Ion:	130	Resp:	7781
Ion Ratio	Lower	Upper	
130	100		
95	104.6	94.2	141.4
132	84.6	78.6	118.0
97	57.4	60.6	90.8#

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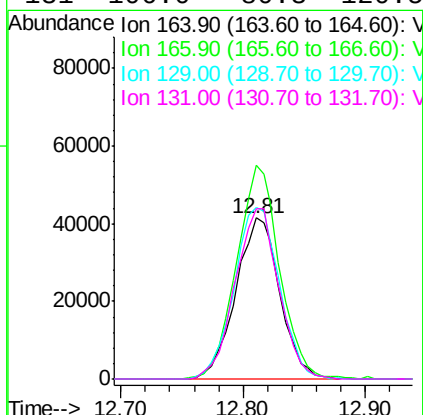
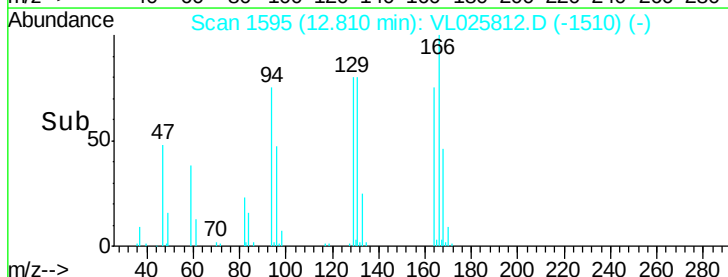
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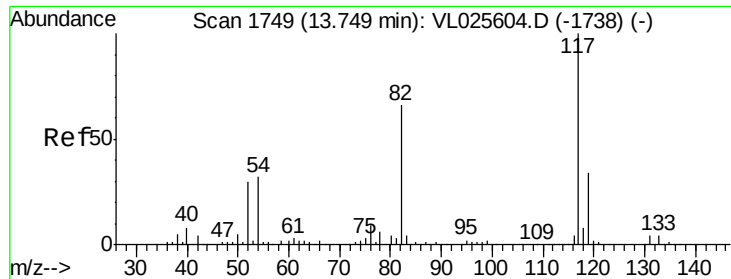


#52
 Tetrachloroethene
 Concen: 1.66 ppbv
 RT: 12.81 min Scan# 1595
 Delta R.T. 0.02 min
 Lab File: VL025812.D
 Acq: 31 Jul 2015 14:21



Tgt Ion:	164	Resp:	103621
Ion Ratio	Lower	Upper	
164	100		
166	132.1	102.3	153.5
129	106.5	86.2	129.4
131	106.0	80.3	120.5





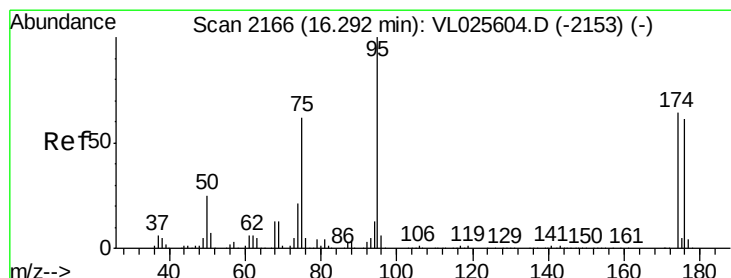
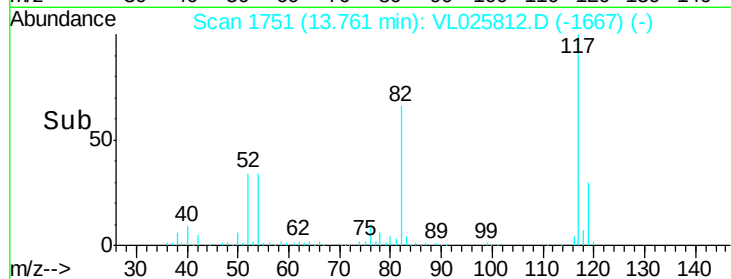
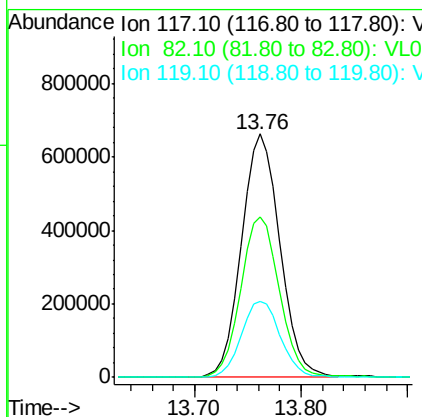
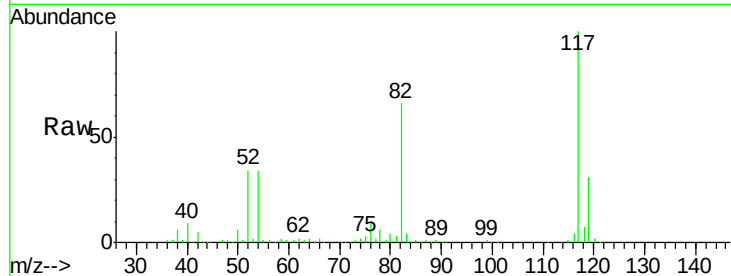
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VL025812.D
Acq: 31 Jul 2015 14:21

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tgt Ion: 117 Resp: 1682535
Ion Ratio Lower Upper
117 100
82 66.9 50.5 75.7
119 32.3 45.1 67.7#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.10 ppbv
RT: 16.30 min Scan# 2168
Delta R.T. 0.01 min
Lab File: VL025812.D
Acq: 31 Jul 2015 14:21

Tgt Ion: 95 Resp: 1434156
Ion Ratio Lower Upper
95 100
174 62.6 52.0 78.0
175 4.8 3.9 5.9

