

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025773.D
 Acq On : 28 Jul 2015 4:20
 Operator : SY/MD
 Sample : G3040-05DL 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-MIDPOINT-072215DL

Quant Time: Jul 28 07:19:02 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 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	632870	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1649085	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2066810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1774210	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

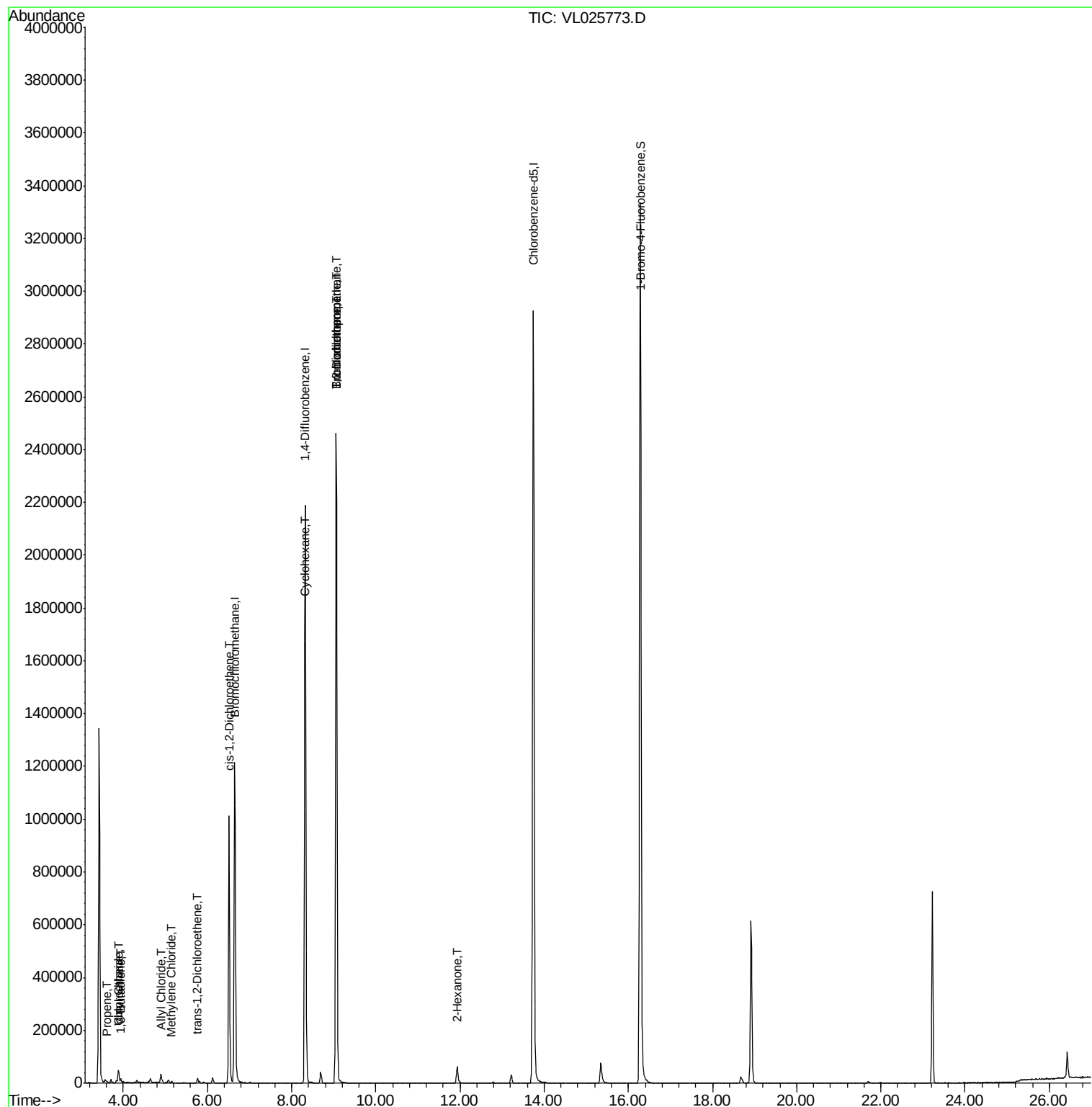
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.89	62	49937	1.14	ppbv	98
7) Chloroethane	3.89	64	15446	0.76	ppbv #	45
9) Propene	3.60	41	1624	0.05	ppbv #	78
16) 1,3-Butadiene	3.94	39	3390	0.08	ppbv #	12
20) Methylene Chloride	5.15	84	2660	0.06	ppbv #	74
21) Allvl Chloride	4.89	41	13655	0.20	ppbv #	45
22) trans-1,2-Dichloroethene	5.77	96	6081	0.13	ppbv	94
30) Cyclohexane	8.31	84	4442	0.06	ppbv #	1
31) cis-1,2-Dichloroethene	6.51	61	661456	8.36	ppbv	98
38) Trichloroethene	9.06	130	818613	11.15	ppbv	98
39) 1,2-Dichloropropane	9.06	63	4830	0.08	ppbv #	1
42) Bromodichloromethane	9.06	83	6985	0.04	ppbv	94
51) 2-Hexanone	11.93	43	15092	0.12	ppbv #	49

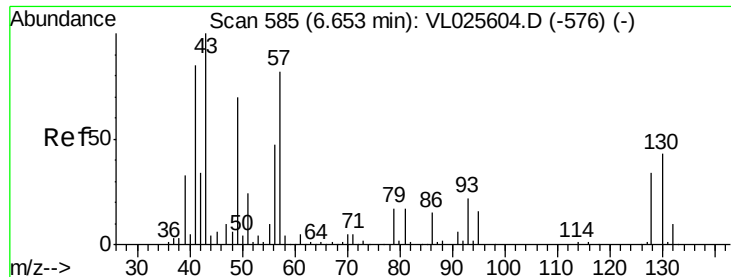
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL025773.D

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Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215DL

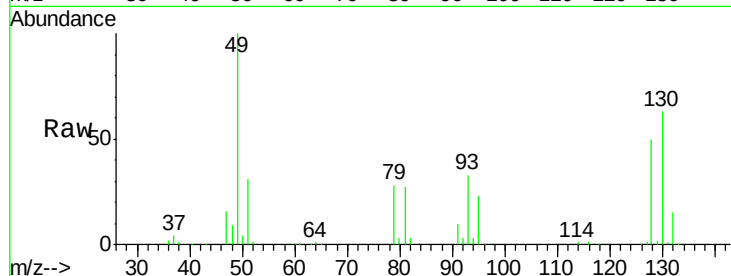
Tot Ion: 49 Resp: 632870

Ion Ratio Lower Upper

49 100

128 51.8 25.4 76.0

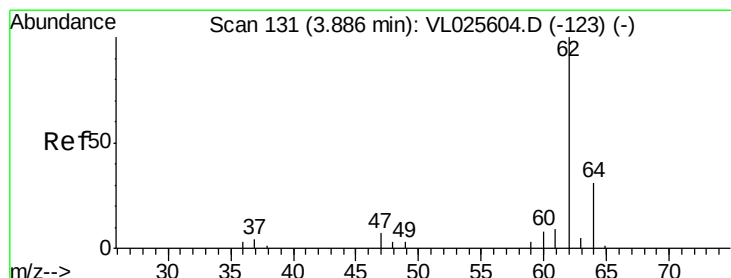
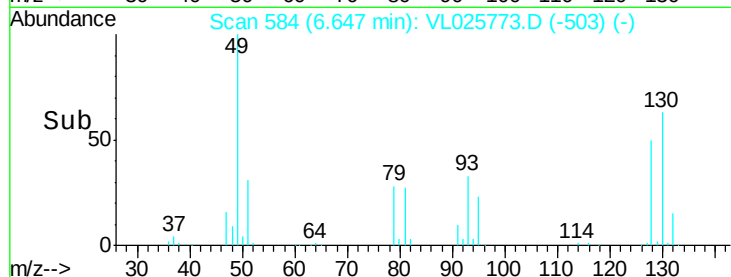
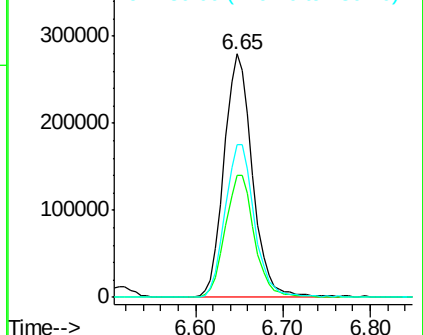
130 65.3 31.9 95.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 1.14 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL025773.D

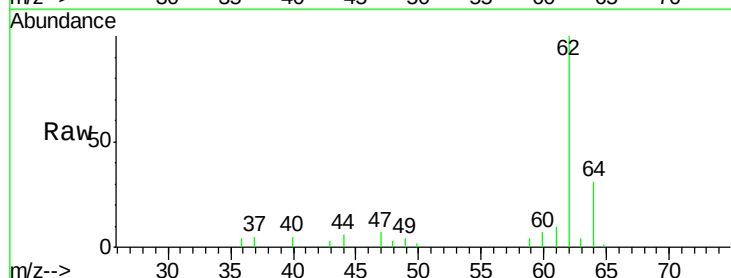
Acq: 28 Jul 2015 4:20

Tgt Ion: 62 Resp: 49937

Ion Ratio Lower Upper

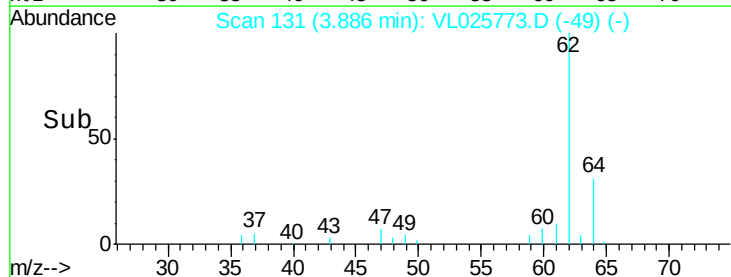
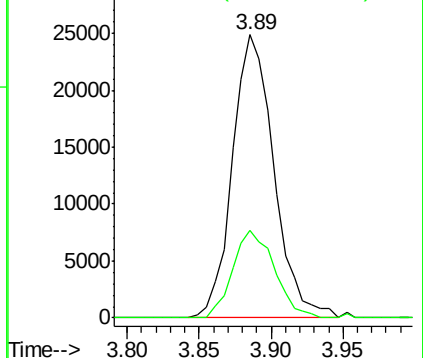
62 100

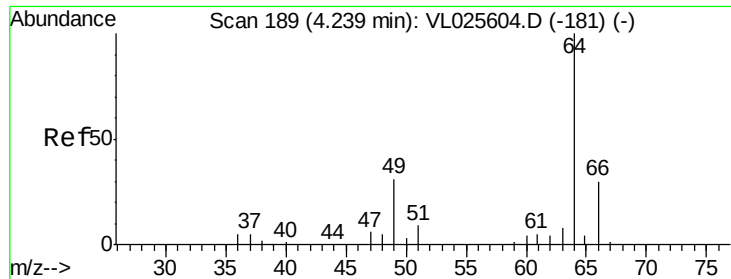
64 32.3 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.76 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.35 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

Instrument :

MSVOA_L

ClientSampleId :

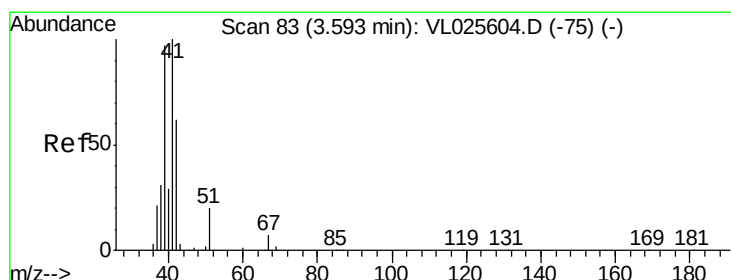
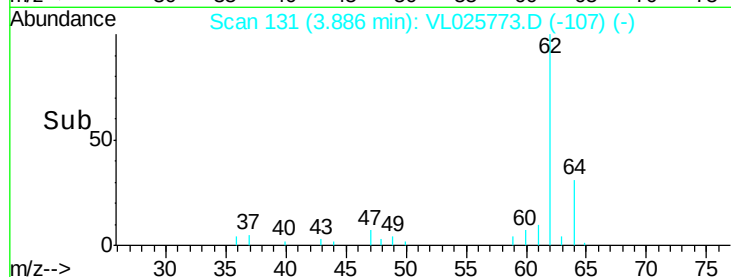
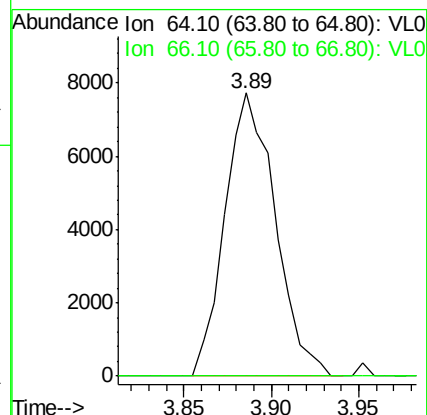
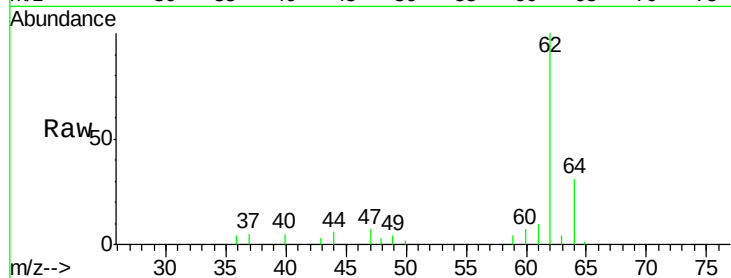
ERD45-MIDPOINT-072215DL

Tot Ion: 64 Resp: 15446

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



#9

Propene

Concen: 0.05 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025773.D

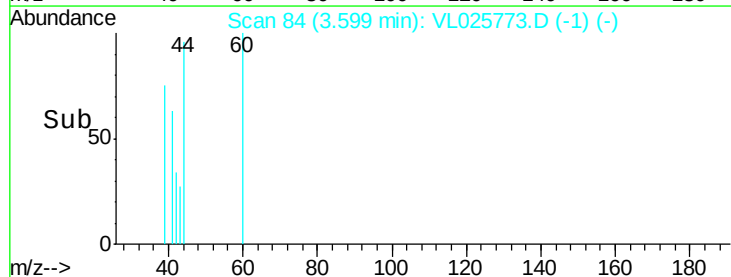
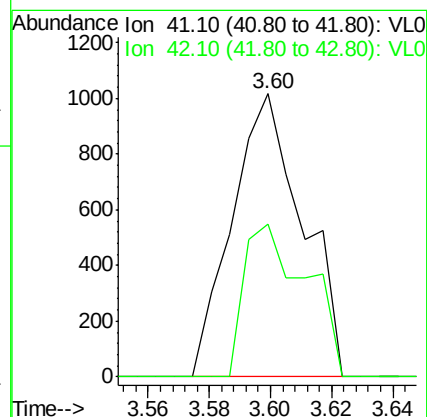
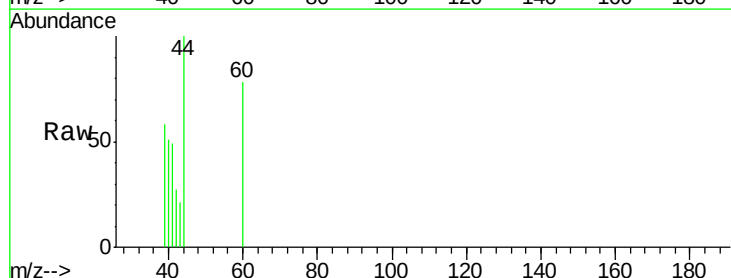
Acq: 28 Jul 2015 4:20

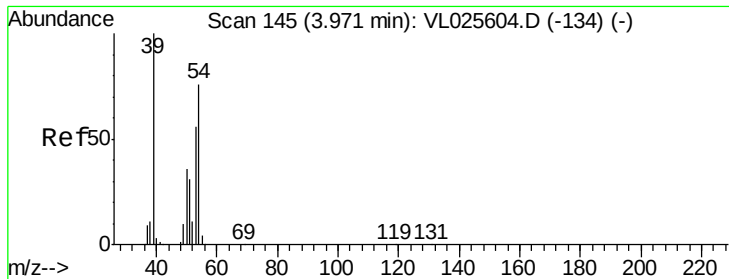
Tgt Ion: 41 Resp: 1624

Ion Ratio Lower Upper

41 100

42 47.8 52.4 78.6#

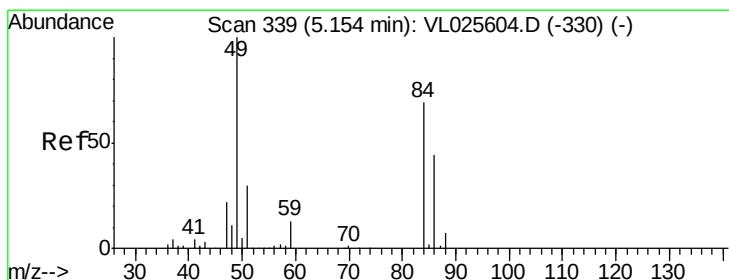
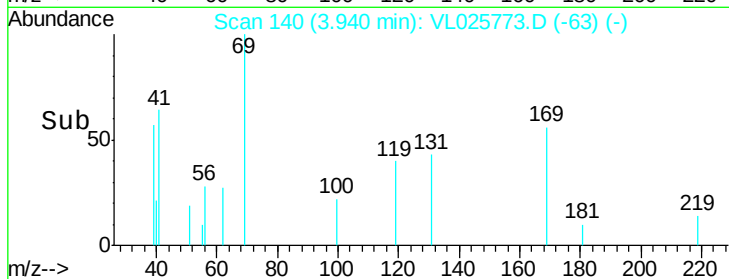
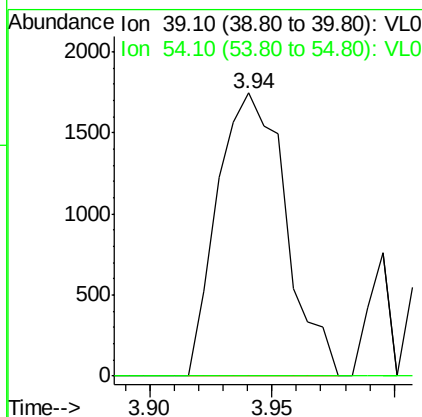
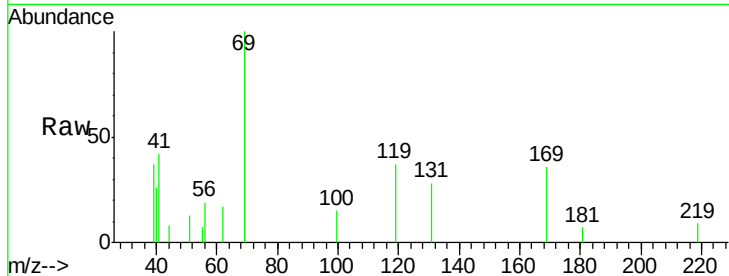




#16
 1,3-Butadiene
 Concen: 0.08 ppbv
 RT: 3.94 min Scan# 140
 Delta R.T. -0.03 min
 Lab File: VL025773.D
 Acq: 28 Jul 2015 4:20

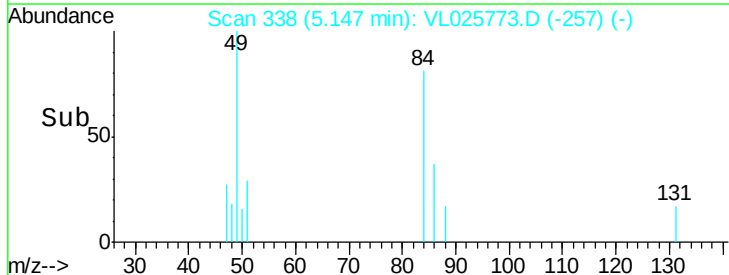
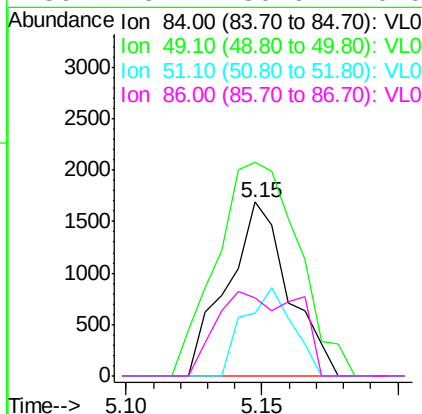
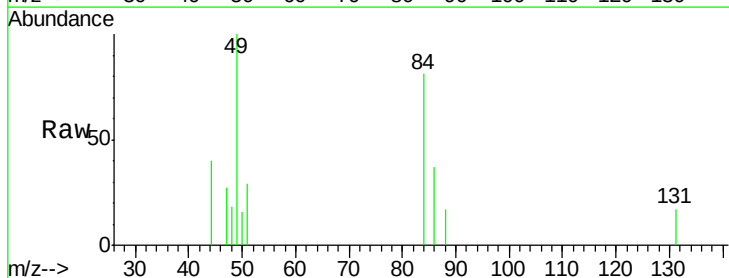
Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-MIDPOINT-072215DL

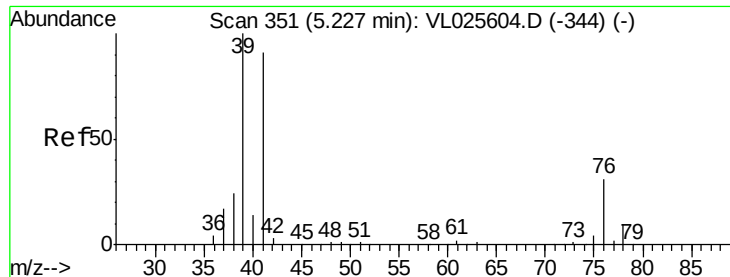
Tot Ion: 39 Resp: 3390
 Ion Ratio Lower Upper
 39 100
 54 0.0 59.3 88.9#



#20
 Methylene Chloride
 Concen: 0.06 ppbv
 RT: 5.15 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VL025773.D
 Acq: 28 Jul 2015 4:20

Tgt Ion: 84 Resp: 2660
 Ion Ratio Lower Upper
 84 100
 49 104.3 115.2 172.8#
 51 36.0 35.0 52.6
 86 45.1 50.6 76.0#





#21

Allvl Chloride

Concen: 0.20 ppbv

RT: 4.89 min Scan# 296

Delta R.T. -0.34 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215DL

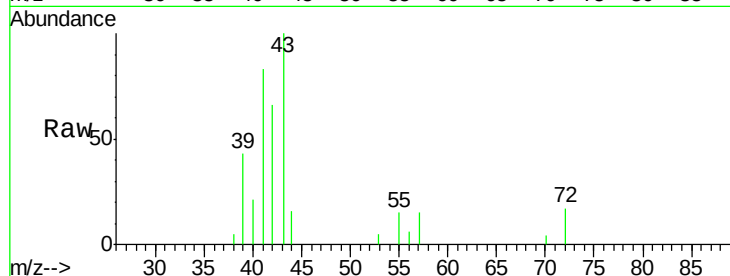
Tot Ion: 41 Resp: 13655

Ion Ratio Lower Upper

41 100

76 0.0 26.6 40.0#

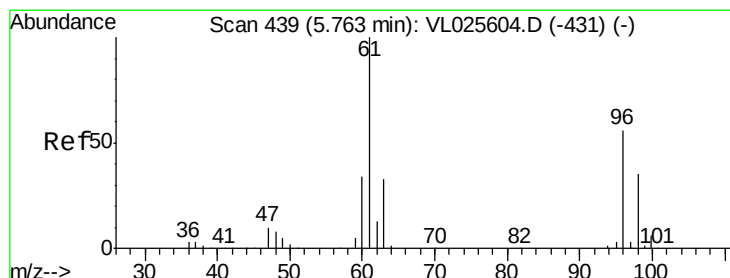
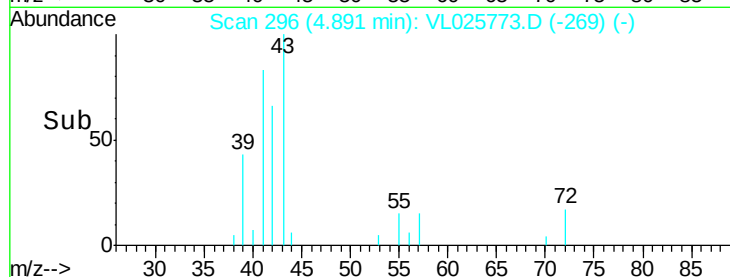
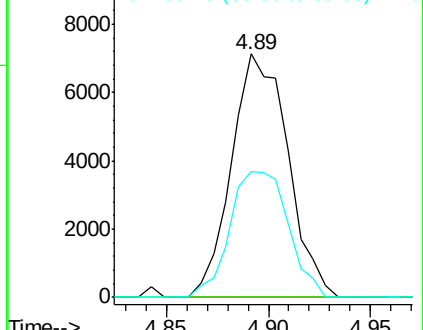
39 53.6 88.2 132.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.13 ppbv

RT: 5.77 min Scan# 440

Delta R.T. 0.01 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

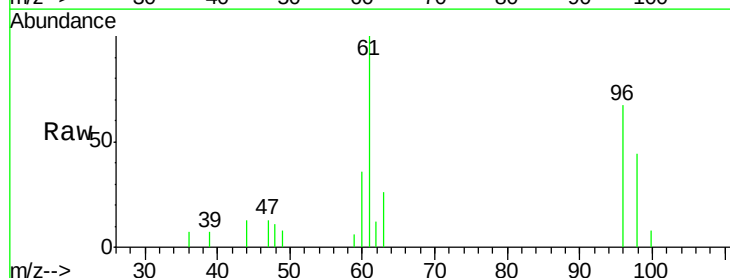
Tgt Ion: 96 Resp: 6081

Ion Ratio Lower Upper

96 100

61 167.7 141.8 212.6

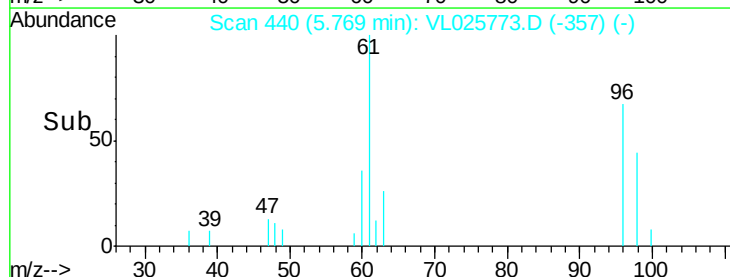
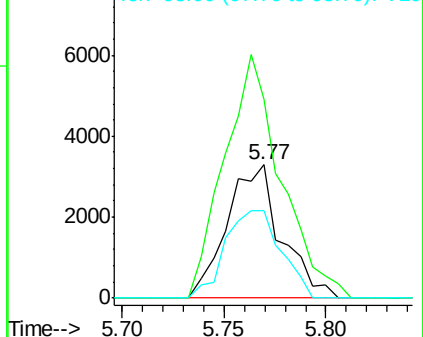
98 65.3 49.0 73.6

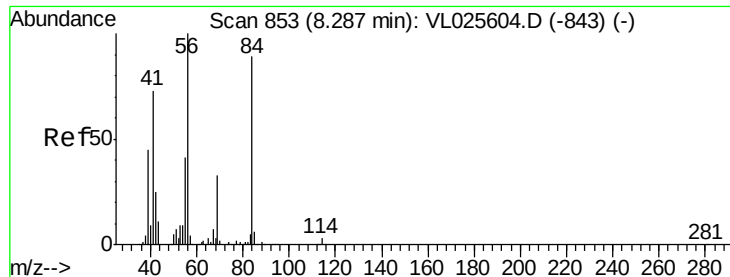


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

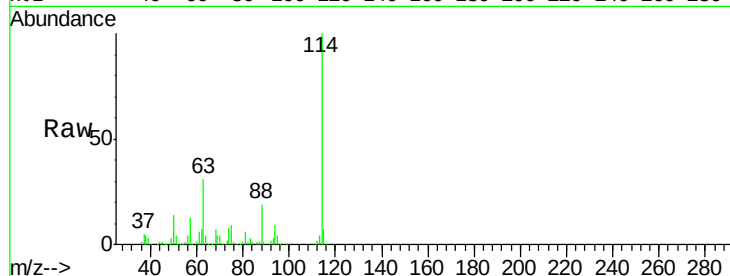




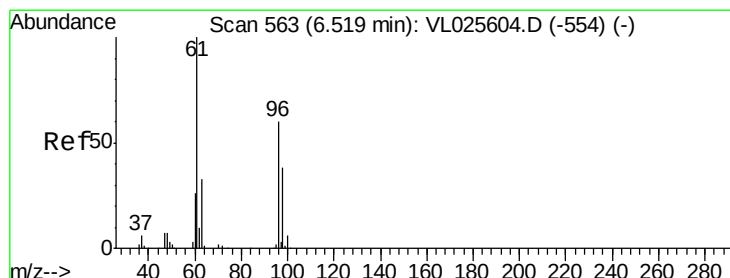
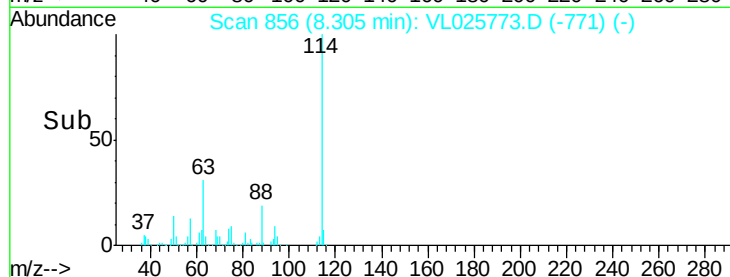
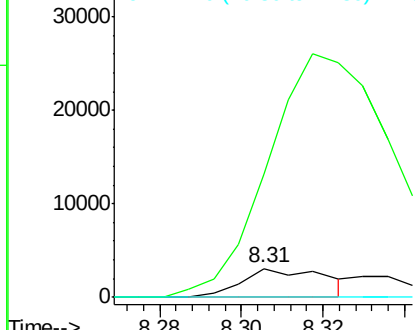
#30
Cvclohexane
Concen: 0.06 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025773.D
Acq: 28 Jul 2015 4:20

Instrument :
MSVOA_L
ClientSampleId :
ERD45-MIDPOINT-072215DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	0.0	65.4	98.2#

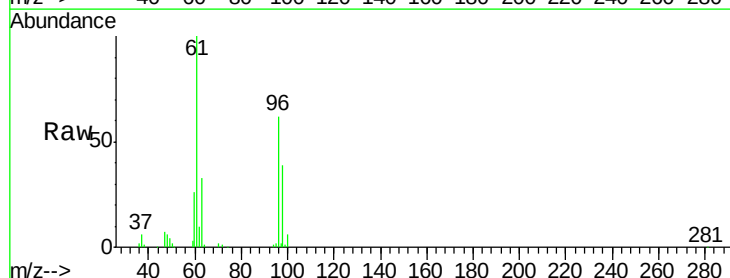


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

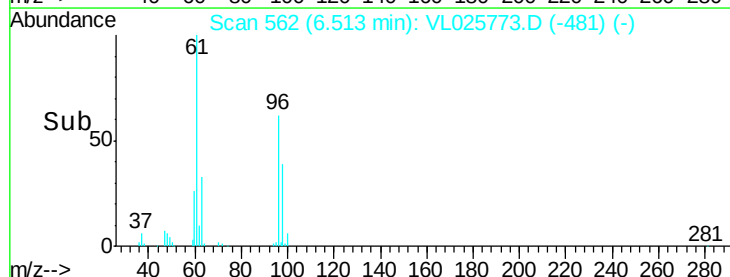
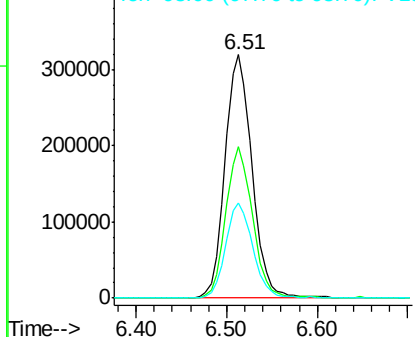


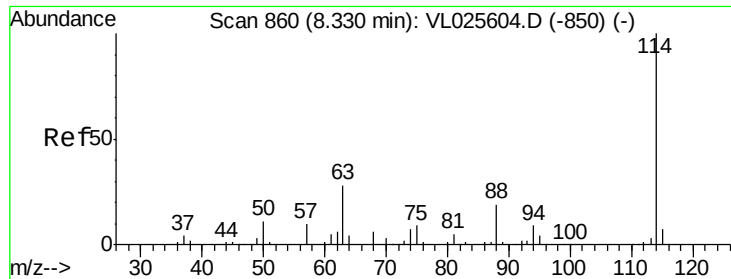
#31
cis-1,2-Dichloroethene
Concen: 8.36 ppbv
RT: 6.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: VL025773.D
Acq: 28 Jul 2015 4:20

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.2	48.1	72.1
98	38.9	30.7	46.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

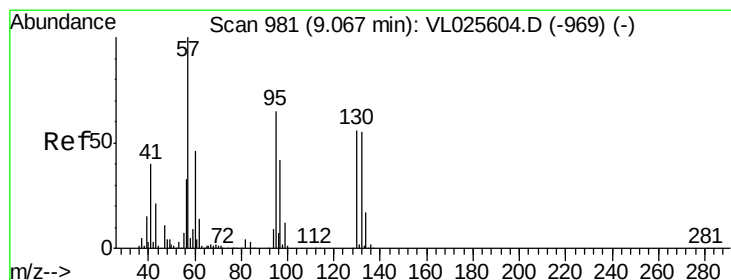
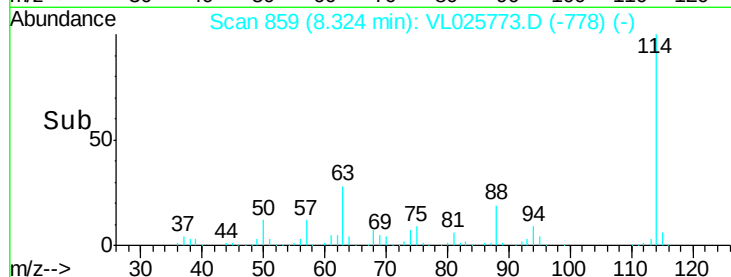
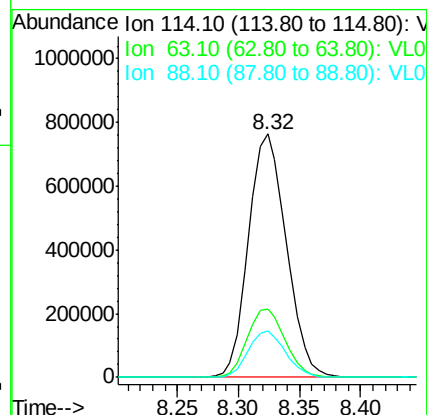
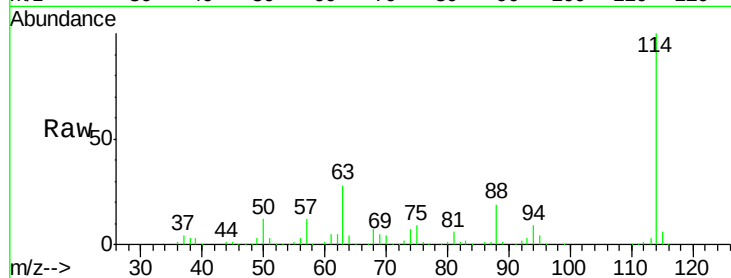




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL025773.D
 Acq: 28 Jul 2015 4:20

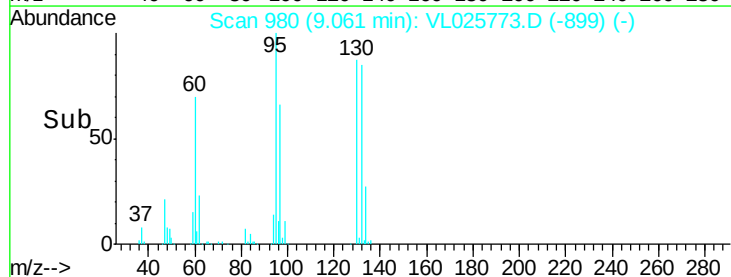
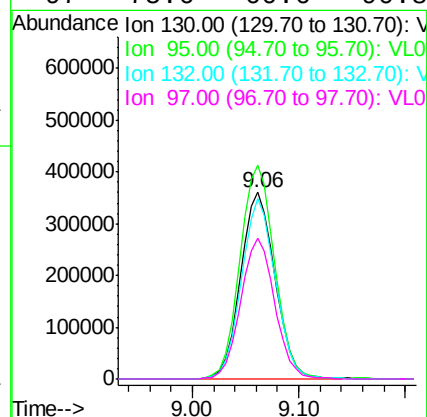
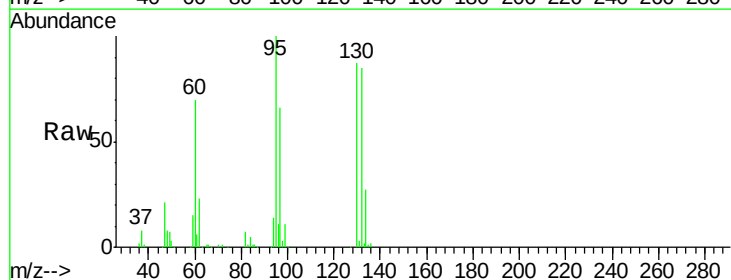
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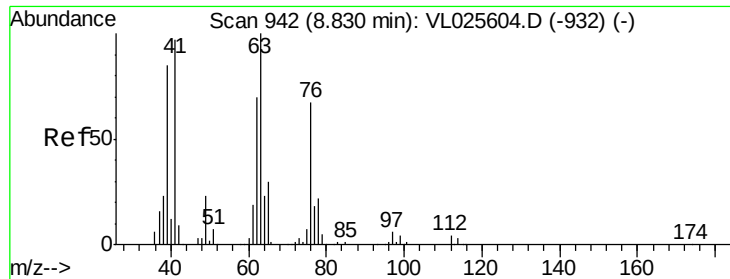
Tot Ion:114 Resp: 1649085
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.9 15.0 22.4



#38
 Trichloroethene
 Concen: 11.15 ppbv
 RT: 9.06 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VL025773.D
 Acq: 28 Jul 2015 4:20

Tgt Ion:130 Resp: 818613
 Ion Ratio Lower Upper
 130 100
 95 114.4 94.2 141.4
 132 96.8 78.6 118.0
 97 75.6 60.6 90.8





#39

1,2-Dichloropropane

Concen: 0.08 ppbv

RT: 9.06 min Scan# 979

Delta R.T. 0.23 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215DL

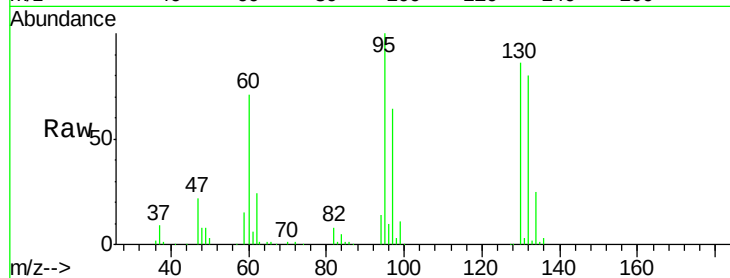
Tot Ion: 63 Resp: 4830

Ion Ratio Lower Upper

63 100

41 16.2 78.0 117.0#

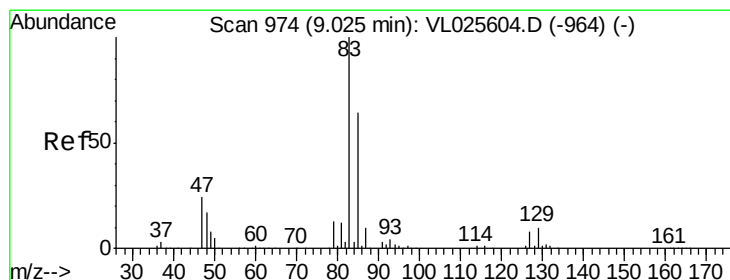
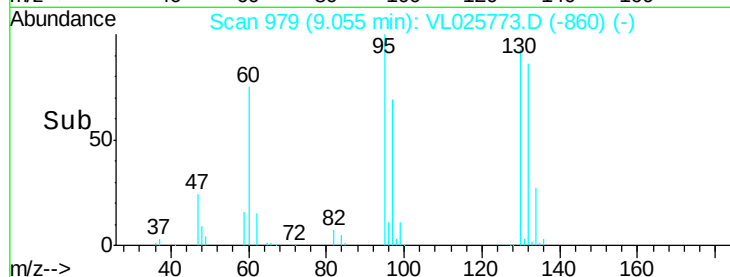
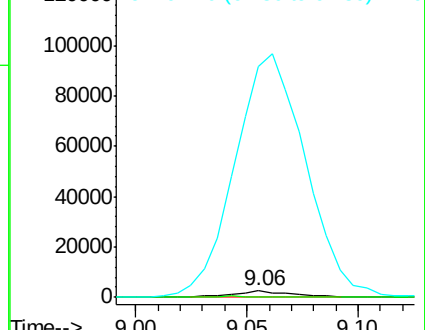
62 3373.8 55.7 83.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#42

Bromodichloromethane

Concen: 0.04 ppbv

RT: 9.06 min Scan# 980

Delta R.T. 0.04 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

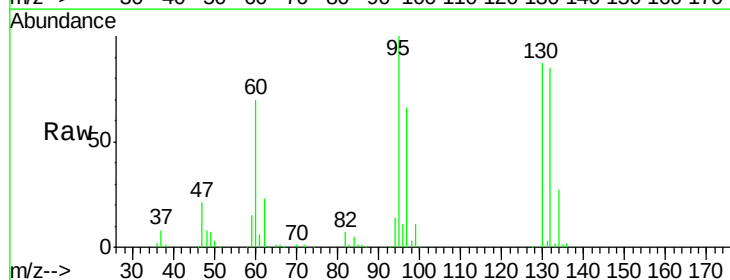
Tgt Ion: 83 Resp: 6985

Ion Ratio Lower Upper

83 100

85 69.1 51.3 76.9

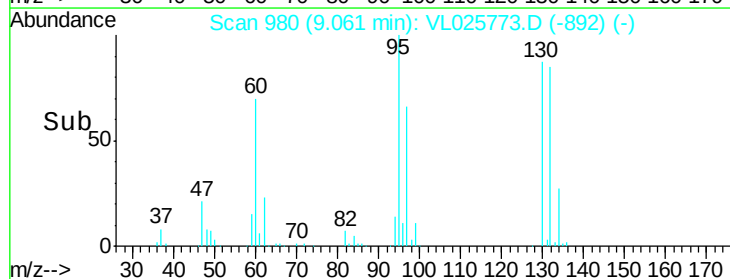
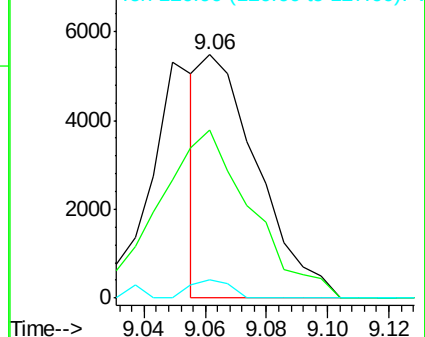
127 7.6 6.0 9.0

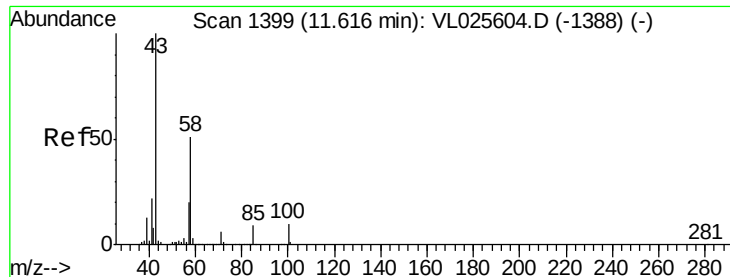


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

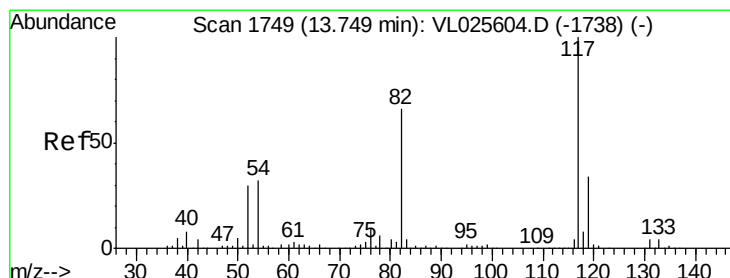
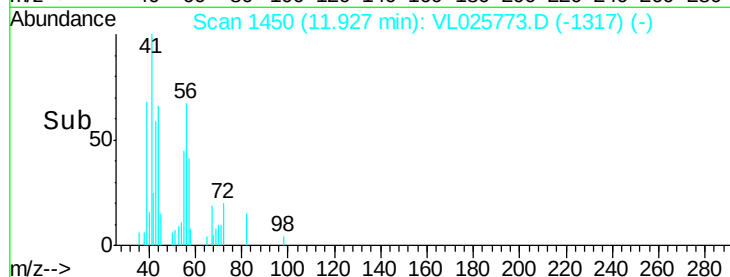
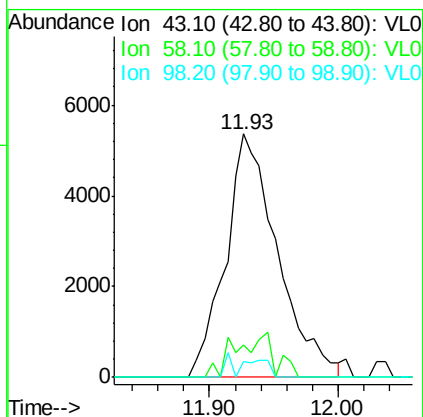
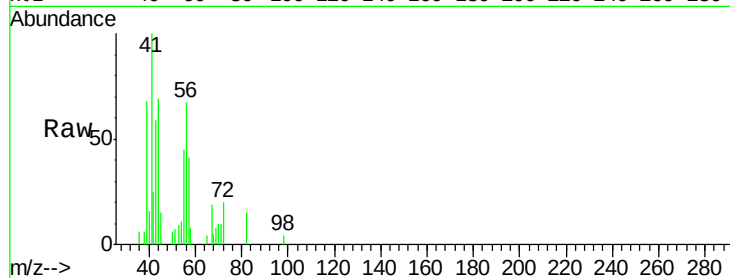




#51
2-Hexanone
Concen: 0.12 ppbv
RT: 11.93 min Scan# 1450
Delta R.T. 0.31 min
Lab File: VL025773.D
Acq: 28 Jul 2015 4:20

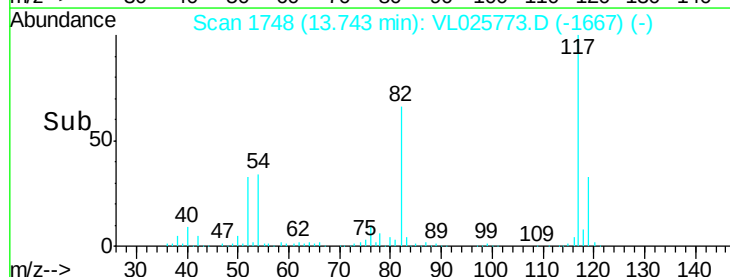
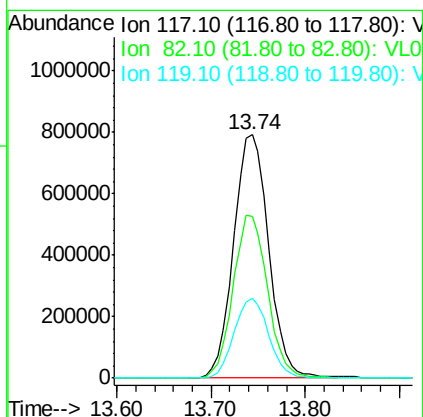
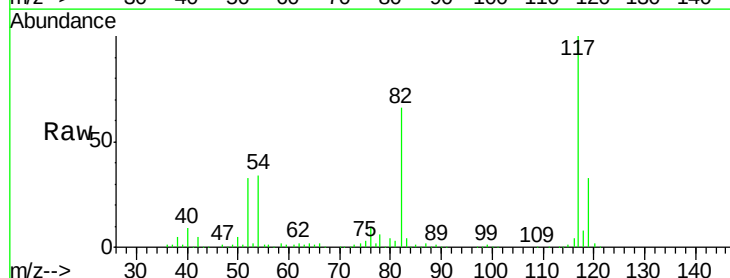
Instrument :
MSVOA_L
ClientSampleId :
ERD45-MIDPOINT-072215DL

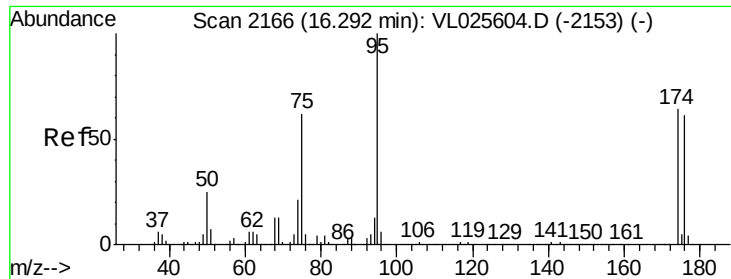
Tot Ion: 43 Resp: 15092
Ion Ratio Lower Upper
43 100
58 13.7 39.0 58.6#
98 4.8 0.2 0.4#



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025773.D
Acq: 28 Jul 2015 4:20

Tgt Ion: 117 Resp: 2066810
Ion Ratio Lower Upper
117 100
82 66.1 50.5 75.7
119 32.5 45.1 67.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.18 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025773.D

Acq: 28 Jul 2015 4:20

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215DL

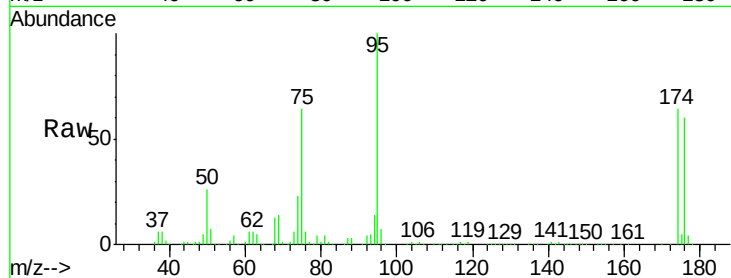
Tot Ion: 95 Resp: 1774210

Ion Ratio Lower Upper

95 100

174 64.8 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

