

Data File : VL031866.D
Acq On : 12 Apr 2018 14:18
Operator : SY/AP
Sample : J2191-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

Quant Time: Apr 14 01:35:28 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1230076	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2541240	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2506907	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.73 95 2026693 10.05 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.50%

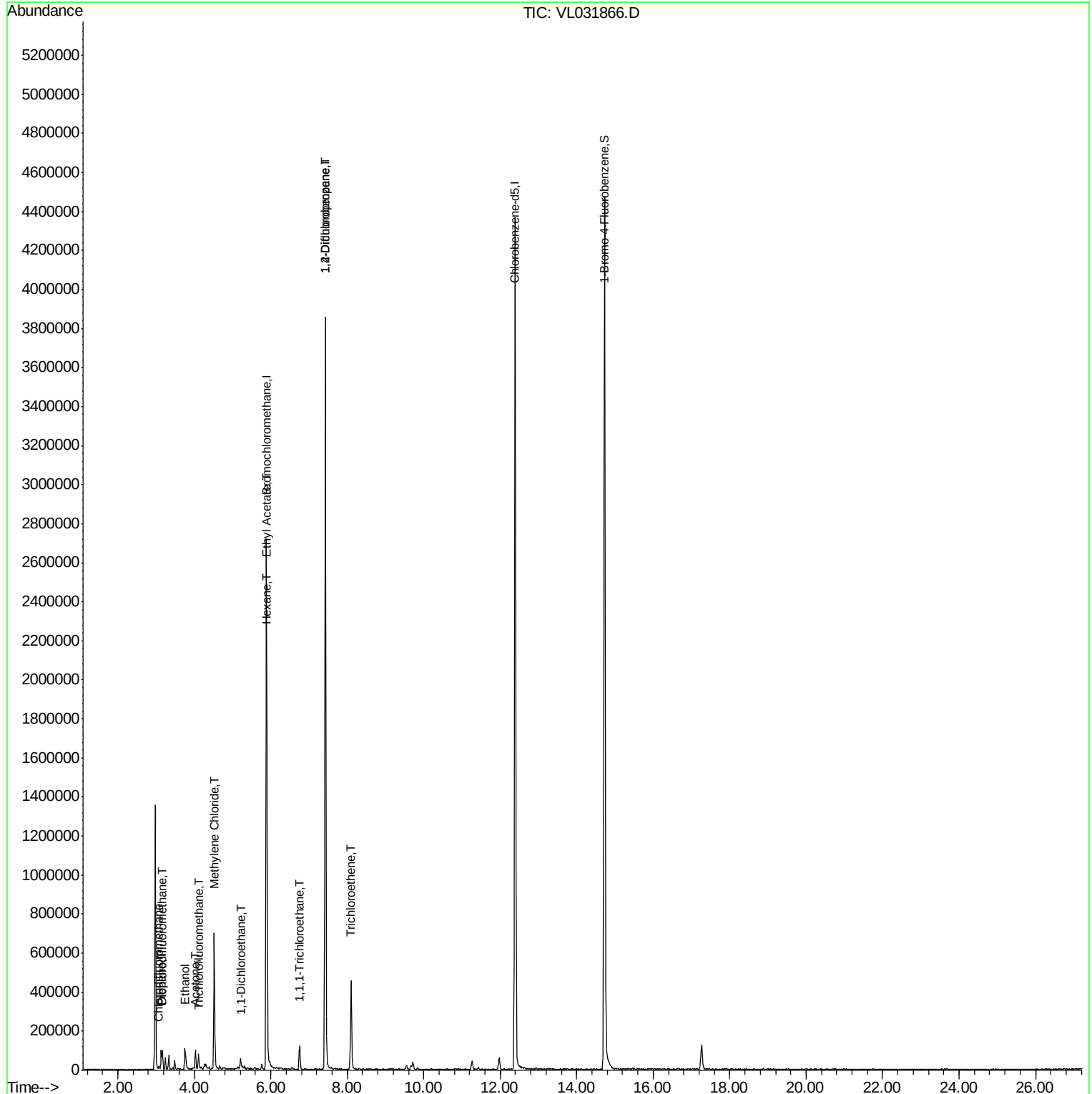
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.16	85	69586	0.27	ppbv	95
3) Chlorodifluoromethane	3.07	51	12097	0.08	ppbv #	74
9) Propene	3.14	41	22631	0.46	ppbv #	72
11) Trichlorofluoromethane	4.11	101	47693	0.19	ppbv	86
13) Ethanol	3.76	45	52155	3.11	ppbv #	38
15) Acetone	4.02	43	31131	0.16	ppbv #	49
20) Methylene Chloride	4.52	84	234163	3.40	ppbv	89
24) 1,1-Dichloroethane	5.21	63	36854	0.19	ppbv	96
25) Ethyl Acetate	5.90	43	17619	0.06	ppbv #	91
26) Hexane	5.91	57	12168	0.09	ppbv #	44
32) 1,1,1-Trichloroethane	6.75	97	77231	0.34	ppbv	99
38) Trichloroethene	8.10	130	57468	0.62	ppbv	92
39) 1,2-Dichloropropane	7.43	63	697922	8.21	ppbv #	22

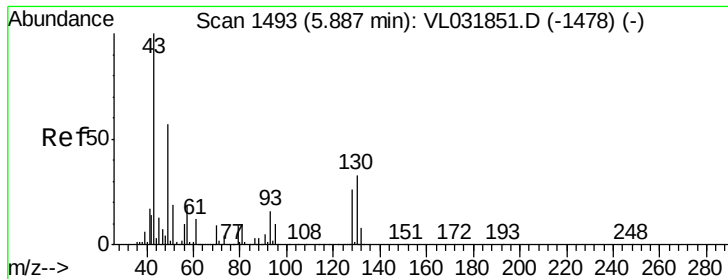
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

GAC-EFF-DUP-040218DL

Response via : Initial Calibration

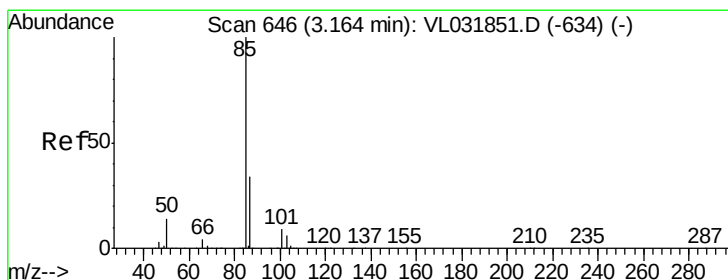
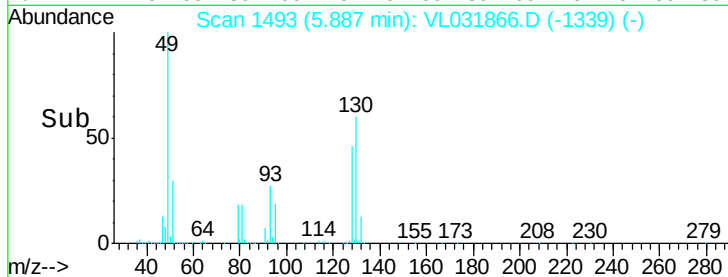
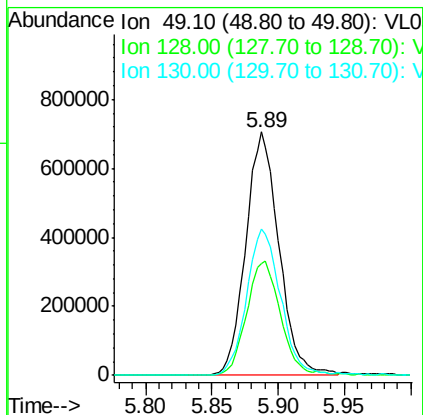
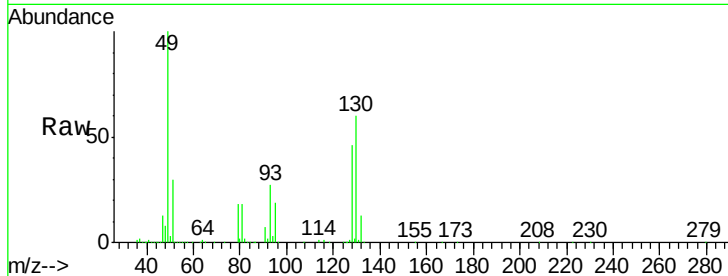




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.89 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

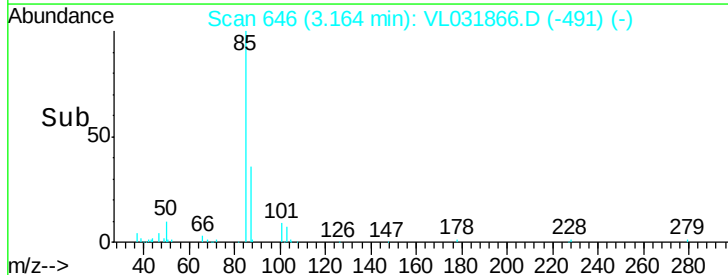
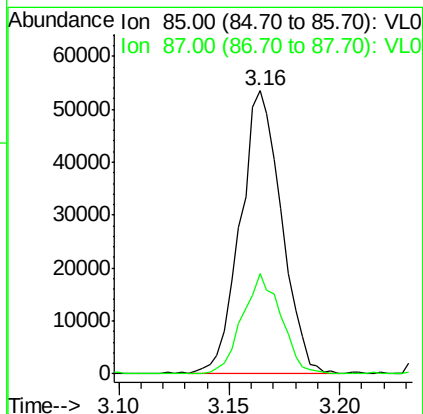
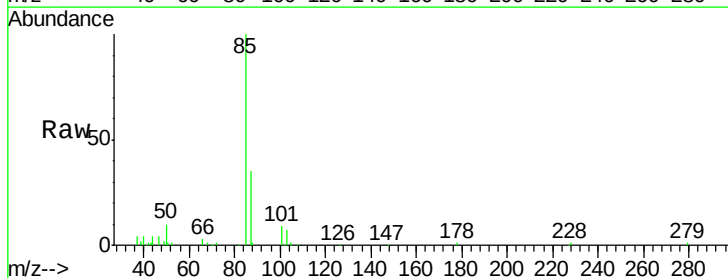
Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-040218DL

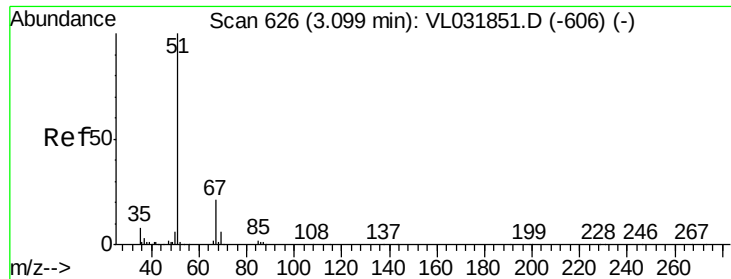
Tgt Ion: 49 Resp: 1230076
 Ion Ratio Lower Upper
 49 100
 128 48.7 23.9 71.7
 130 62.5 30.9 92.7



#2
 Dichlorodifluoromethane
 Concen: 0.27 ppbv
 RT: 3.16 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

Tgt Ion: 85 Resp: 69586
 Ion Ratio Lower Upper
 85 100
 87 35.4 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.08 ppbv

RT: 3.07 min Scan# 618

Delta R.T. -0.03 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

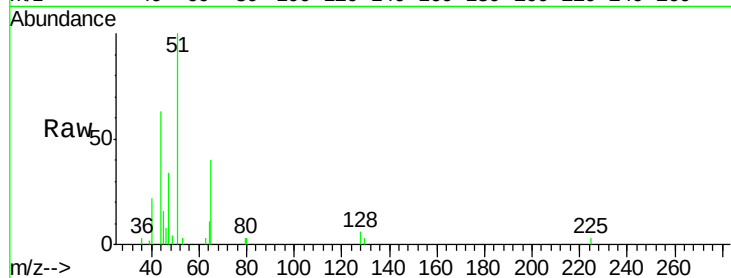
GAC-EFF-DUP-040218DL

Tgt Ion: 51 Resp: 12097

Ion Ratio Lower Upper

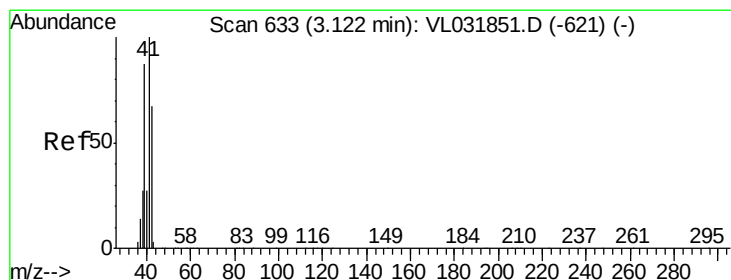
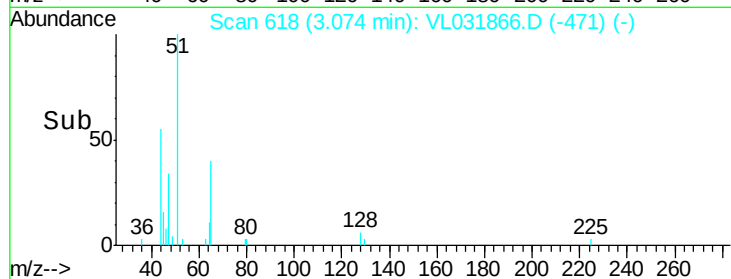
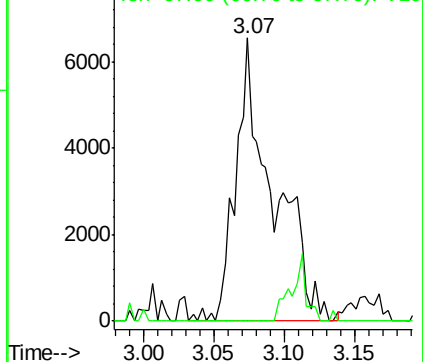
51 100

67 9.7 17.5 26.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.46 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.02 min

Lab File: VL031866.D

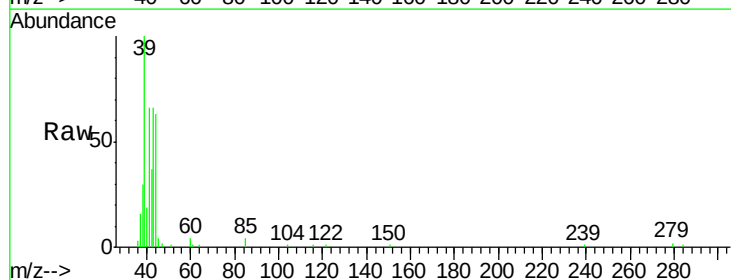
Acq: 12 Apr 2018 14:18

Tgt Ion: 41 Resp: 22631

Ion Ratio Lower Upper

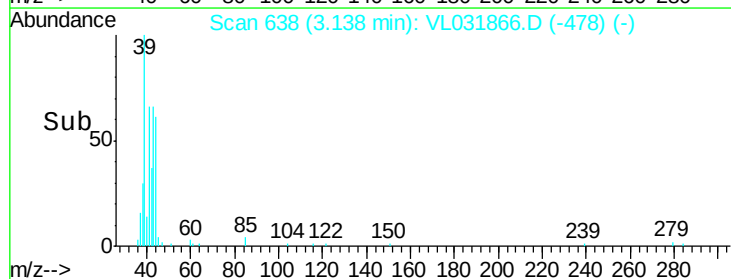
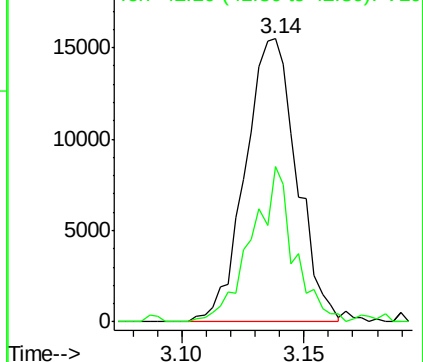
41 100

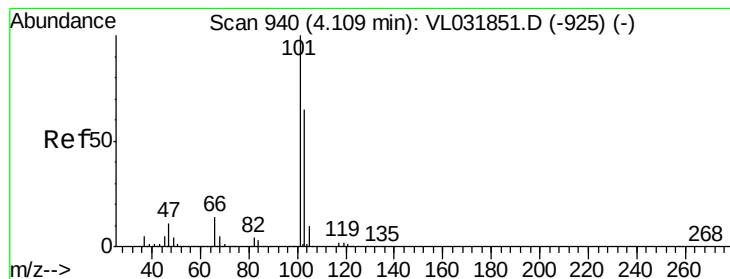
42 46.4 55.0 82.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.19 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

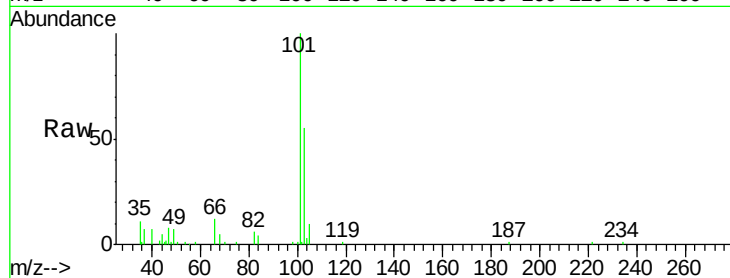
GAC-EFF-DUP-040218DL

Tgt Ion: 101 Resp: 47693

Ion Ratio Lower Upper

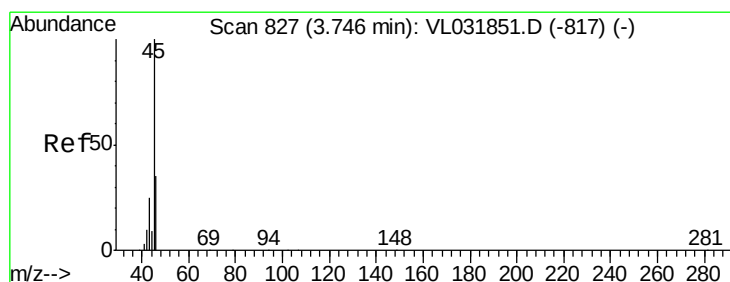
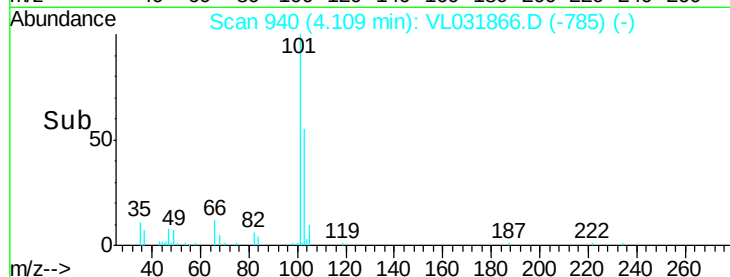
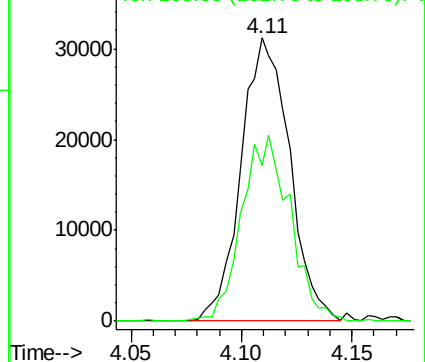
101 100

103 54.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 3.11 ppbv

RT: 3.76 min Scan# 830

Delta R.T. 0.00 min

Lab File: VL031866.D

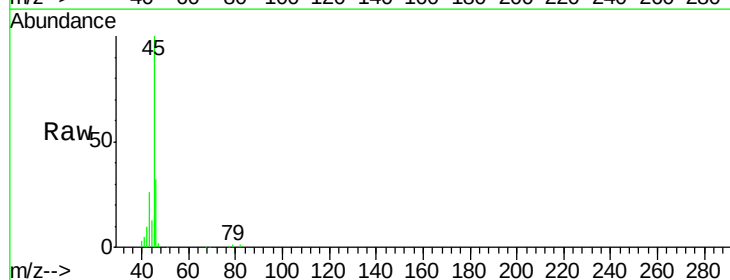
Acq: 12 Apr 2018 14:18

Tgt Ion: 45 Resp: 52155

Ion Ratio Lower Upper

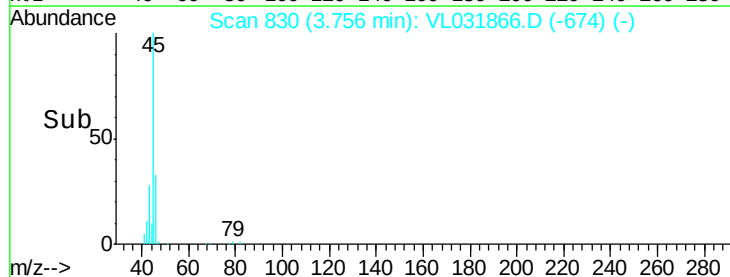
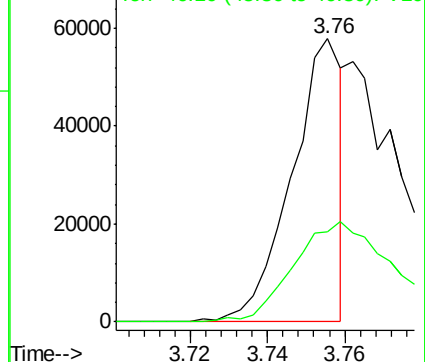
45 100

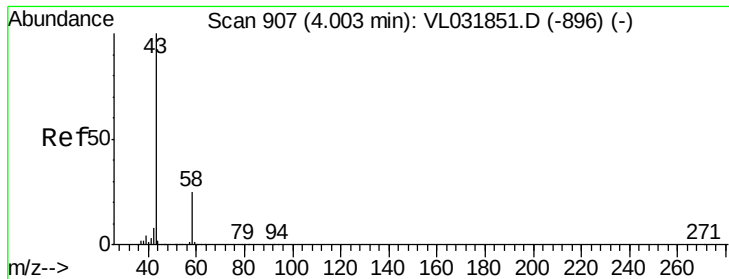
46 0.0 14.6 58.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.16 ppbv

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

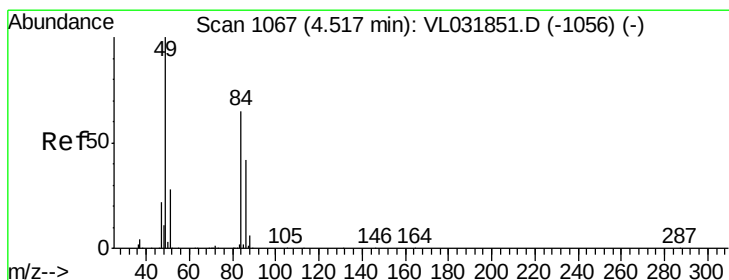
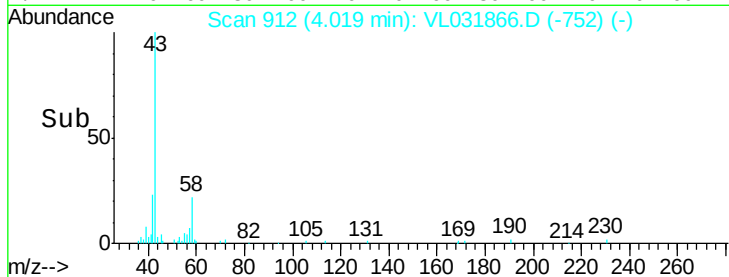
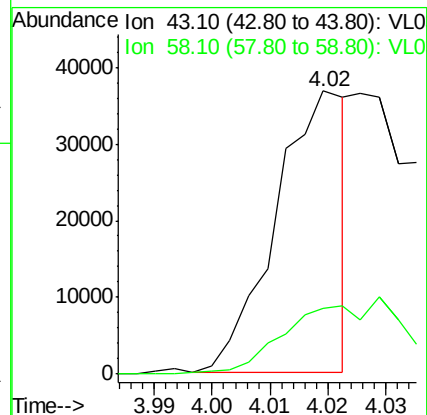
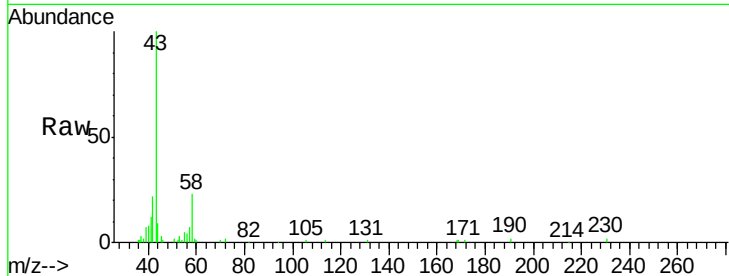
GAC-EFF-DUP-040218DL

Tgt Ion: 43 Resp: 31131

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#



#20

Methylene Chloride

Concen: 3.40 ppbv

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Tgt Ion: 84 Resp: 234163

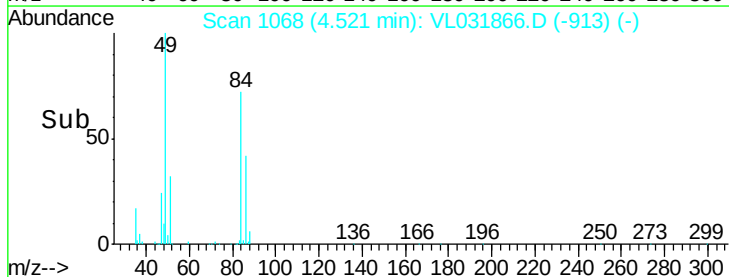
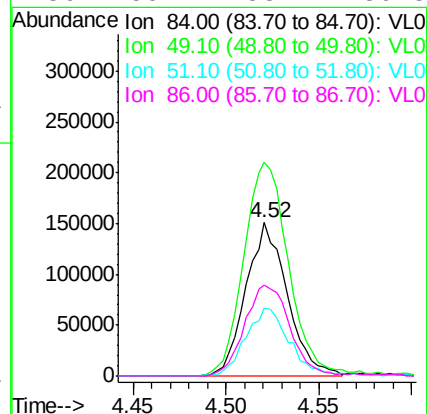
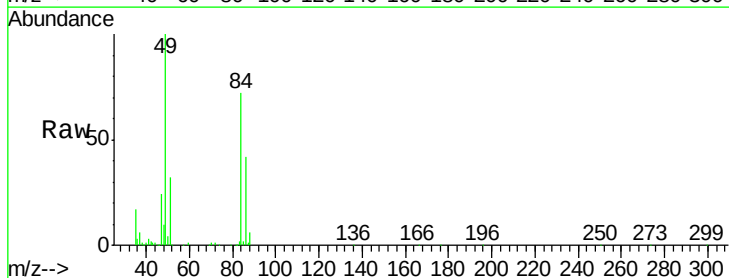
Ion Ratio Lower Upper

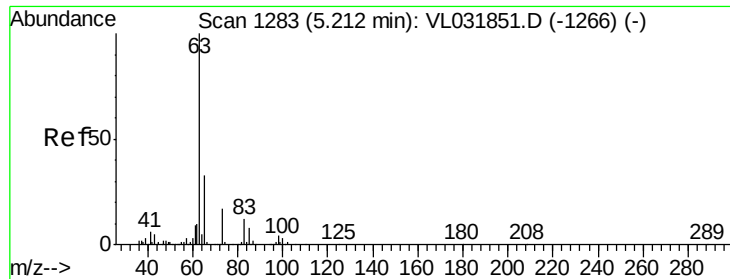
84 100

49 139.3 125.6 188.4

51 44.1 36.4 54.6

86 59.1 53.7 80.5

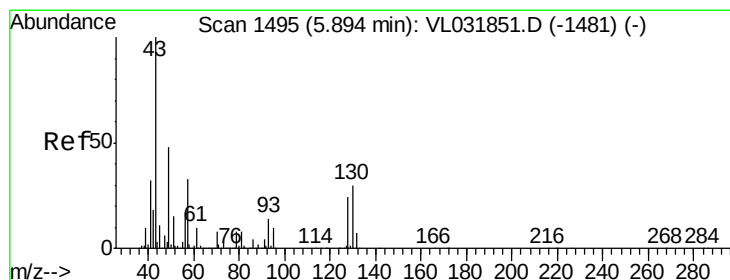
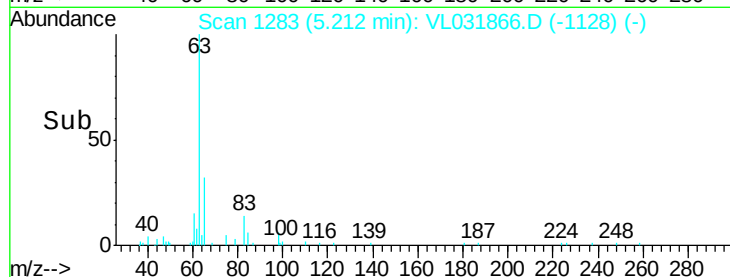
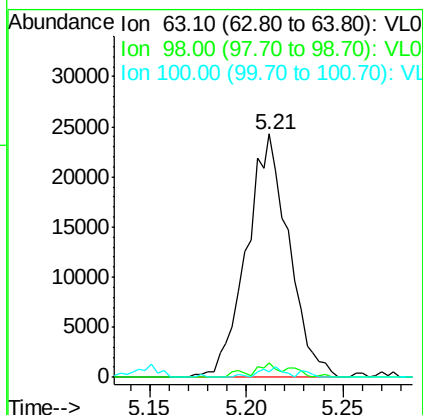
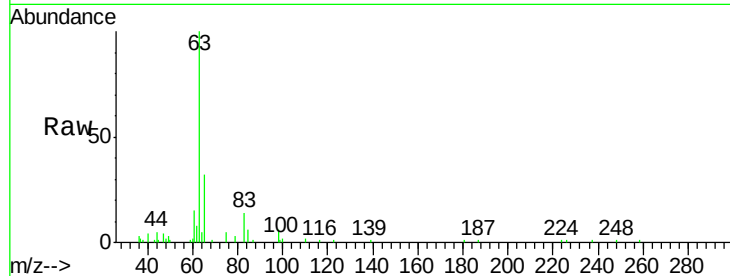




#24
 1,1-Dichloroethane
 Concen: 0.19 ppbv
 RT: 5.21 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

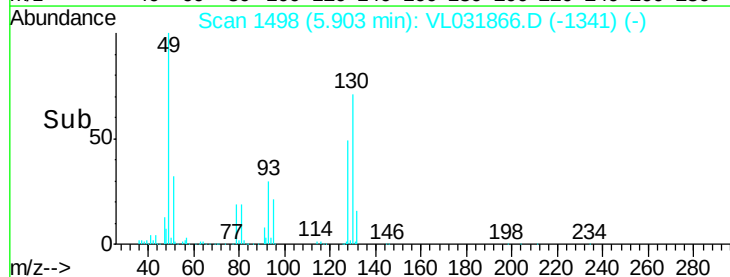
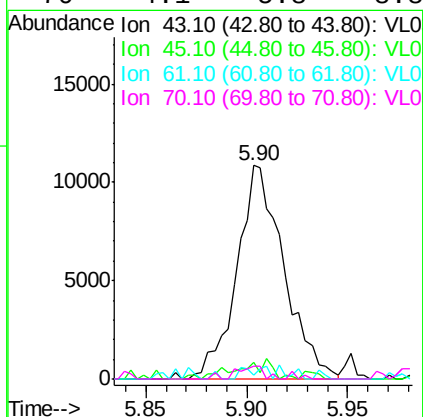
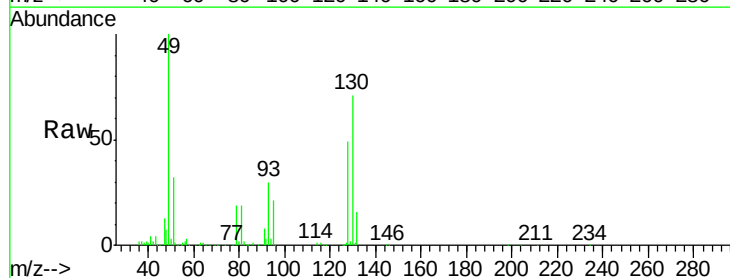
Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-040218DL

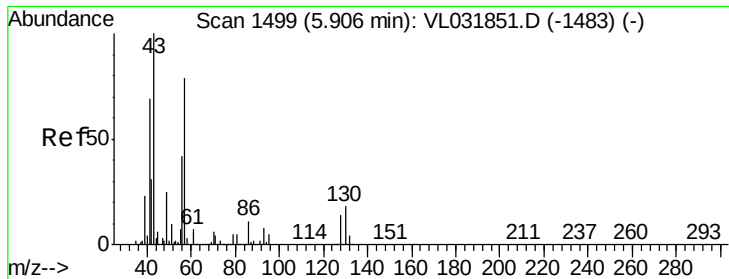
Tgt Ion:	63	Resp:	36854
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.4	7.2
100	2.4	1.5	4.4



#25
 Ethyl Acetate
 Concen: 0.06 ppbv
 RT: 5.90 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

Tgt Ion:	43	Resp:	17619
Ion	Ratio	Lower	Upper
43	100		
45	6.9	7.8	11.8#
61	5.2	7.2	10.8#
70	4.1	5.8	8.8#

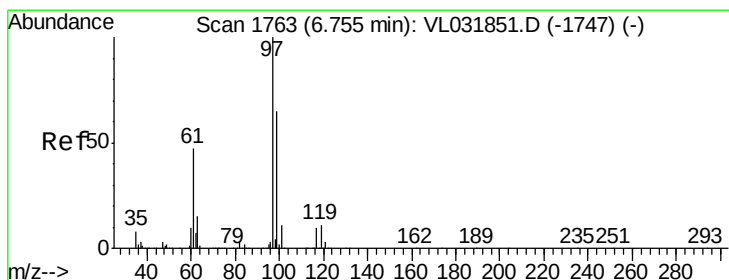
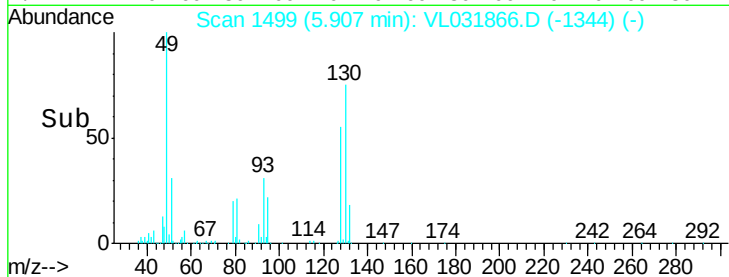
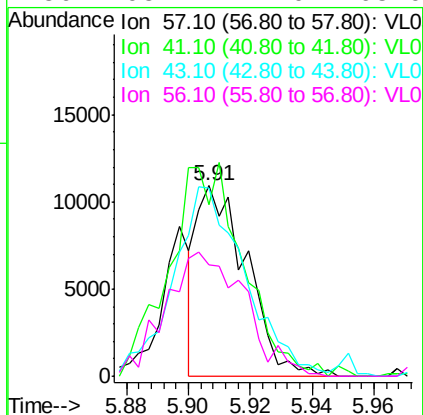
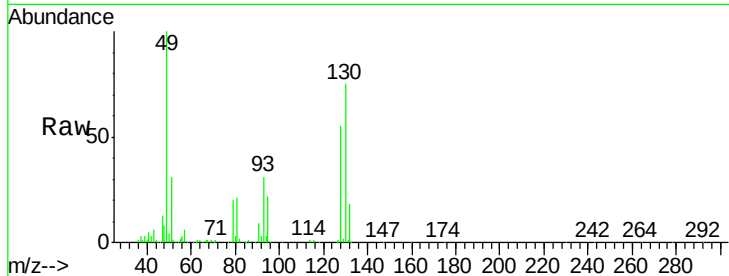




#26
Hexane
Concen: 0.09 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

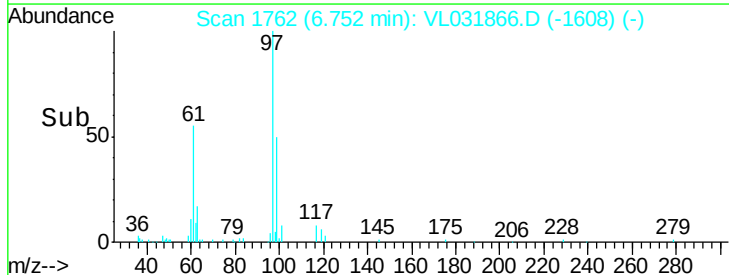
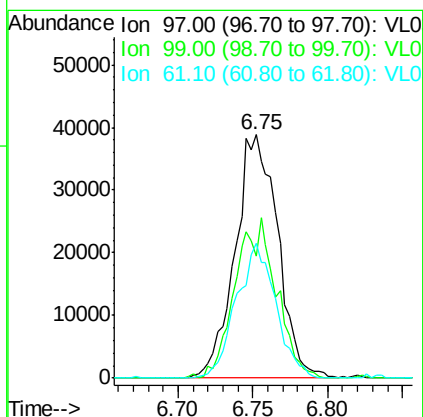
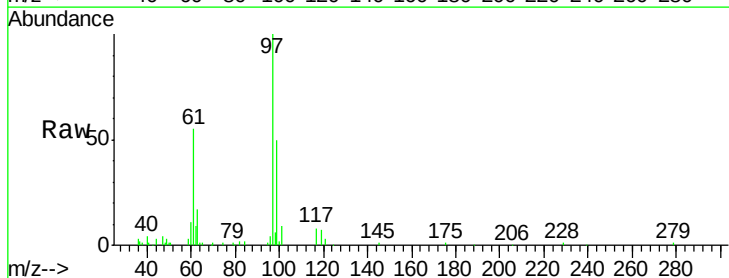
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

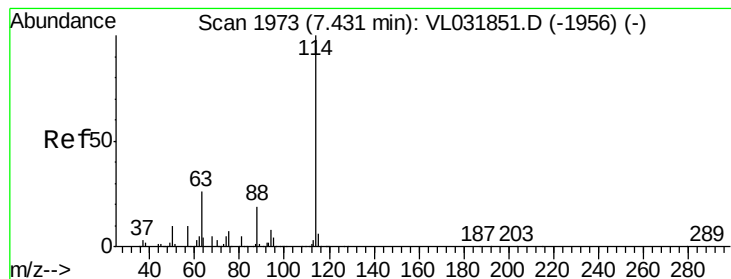
Tgt Ion: 57 Resp: 12168
Ion Ratio Lower Upper
57 100
41 168.4 72.0 108.0#
43 149.0 169.8 254.8#
56 105.4 42.0 63.0#



#32
1,1,1-Trichloroethane
Concen: 0.34 ppbv
RT: 6.75 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tgt Ion: 97 Resp: 77231
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 51.0 40.0 60.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.43 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-040218DL

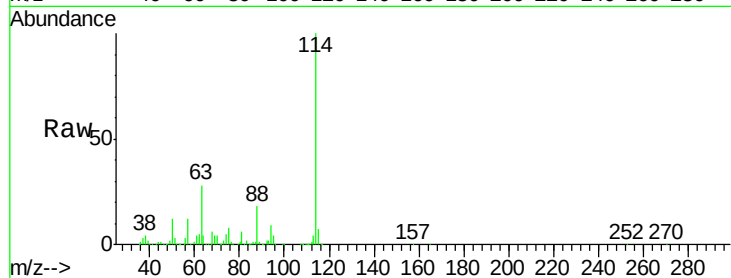
Tgt Ion:114 Resp: 2541240

Ion Ratio Lower Upper

114 100

63 27.7 21.8 32.6

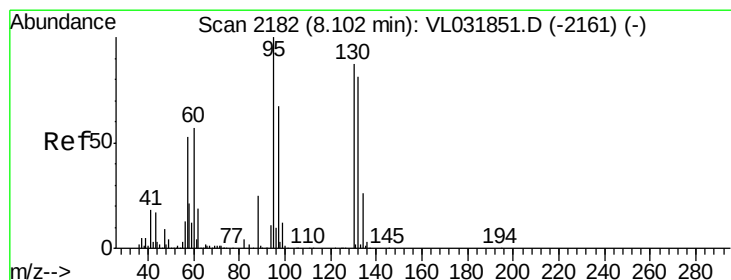
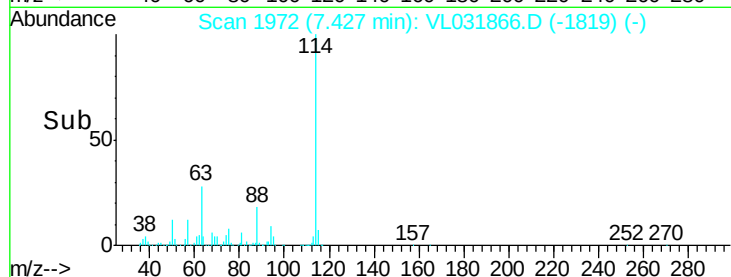
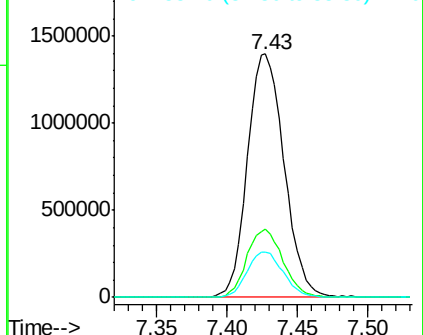
88 18.5 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.62 ppbv

RT: 8.10 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Tgt Ion:130 Resp: 57468

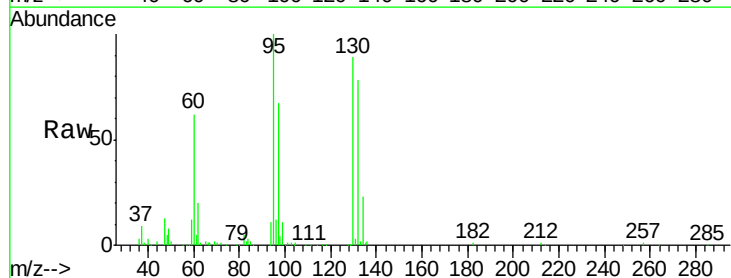
Ion Ratio Lower Upper

130 100

95 112.2 96.6 144.8

132 87.6 79.1 118.7

97 74.8 61.5 92.3

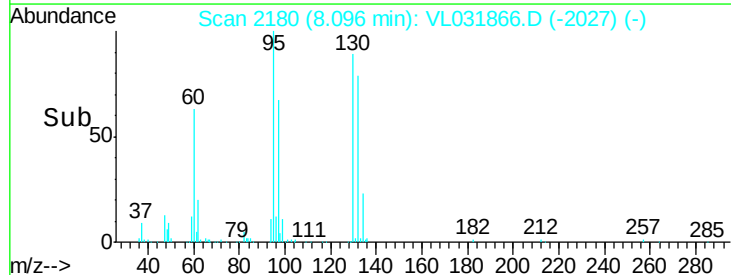
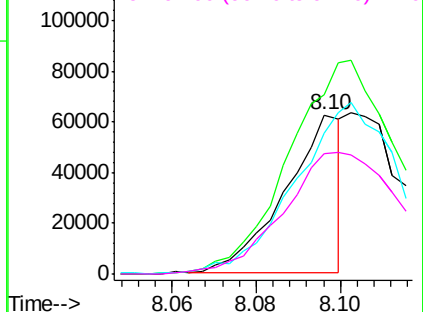


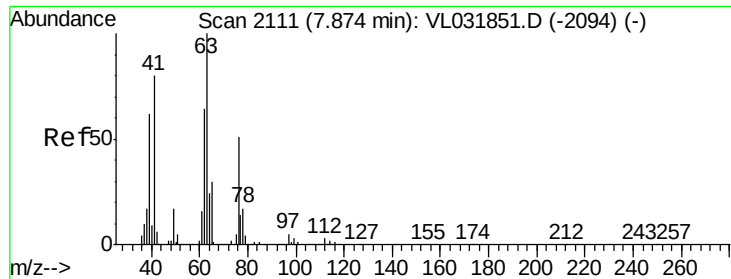
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.21 ppbv

RT: 7.43 min Scan# 1972

Delta R.T. -0.45 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-040218DL

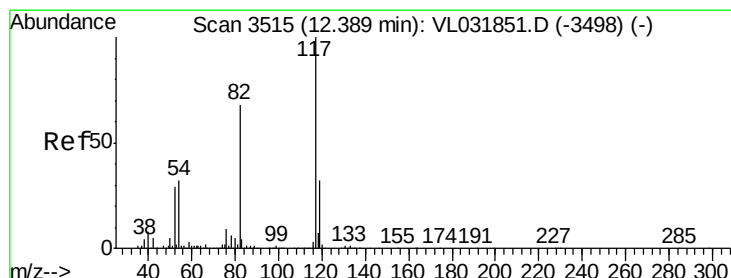
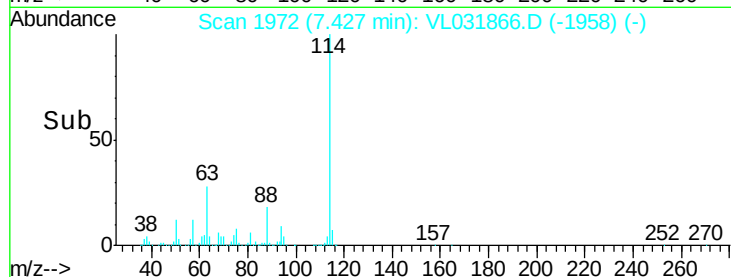
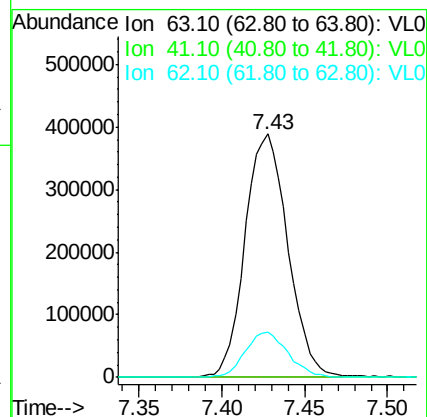
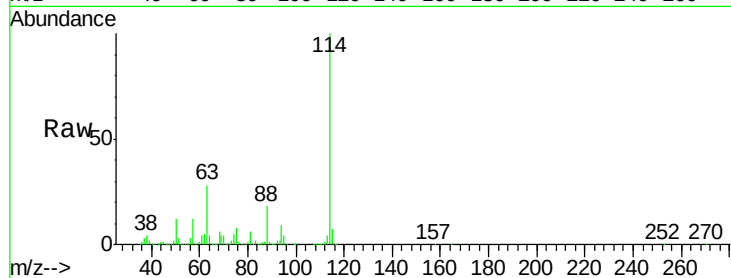
Tgt Ion: 63 Resp: 697922

Ion Ratio Lower Upper

63 100

41 0.0 65.8 98.6#

62 18.3 55.0 82.6#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

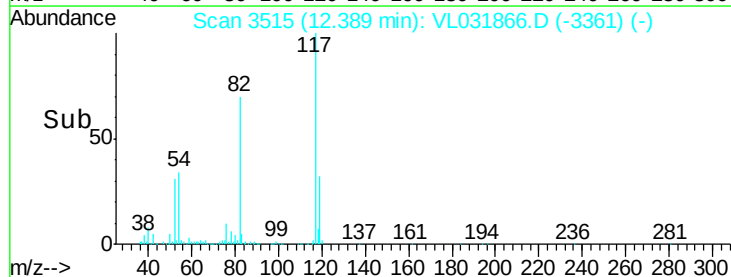
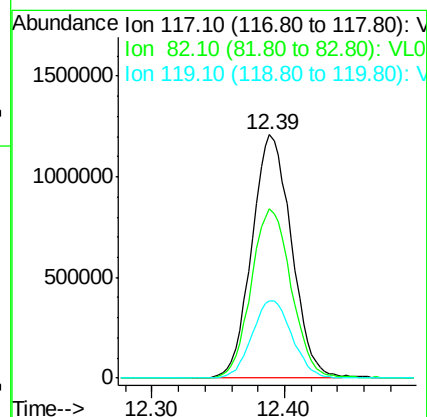
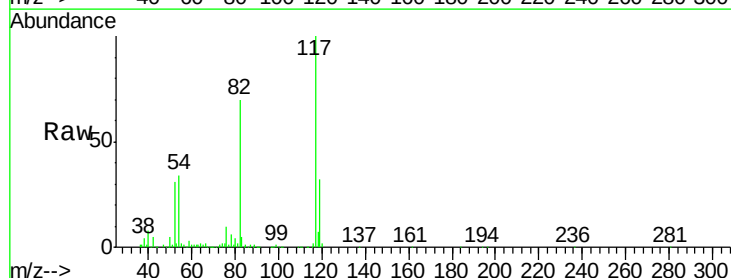
Tgt Ion: 117 Resp: 2506907

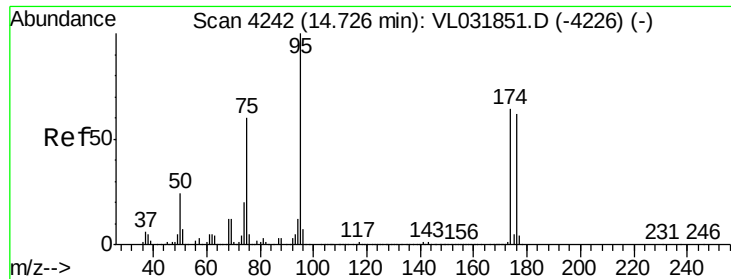
Ion Ratio Lower Upper

117 100

82 70.9 54.6 81.8

119 32.3 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.05 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. -0.00 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-040218DL

Tgt Ion: 95 Resp: 2026693

Ion Ratio Lower Upper

95 100

174 65.4 52.3 78.5

175 4.7 3.9 5.9

