

Data File : VL031976.D

Acq On : 4 May 2018 00:02

Operator : SY/AP

Sample : J2629-06DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Quant Time: May 04 03:28:53 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1243556	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2519046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2364863	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1950613	10.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	11856	0.07	ppbv #	85
3) Chlorodifluoromethane	3.10	51	18339	0.16	ppbv #	86
4) Chloromethane	3.25	50	1919	0.03	ppbv	91
9) Propene	3.13	41	1770	0.04	ppbv #	50
11) Trichlorofluoromethane	4.11	101	4178	0.02	ppbv #	79
13) Ethanol	3.74	45	412685	25.77	ppbv #	100
15) Acetone	4.01	43	103145	0.59	ppbv	99
17) tert-Butyl alcohol	4.48	59	1932	0.03	ppbv #	83
19) Isopropyl Alcohol	4.13	45	35365	0.37	ppbv #	82
20) Methylene Chloride	4.52	84	52935	0.89	ppbv	89
23) Vinyl Acetate	5.27	43	7320	0.04	ppbv #	95
25) Ethyl Acetate	5.90	43	44888	0.15	ppbv #	92
26) Hexane	5.90	57	32467	0.23	ppbv #	65
34) 2-Butanone	5.46	43	16262	0.08	ppbv	93
39) 1,2-Dichloropropane	7.42	63	662004	8.01	ppbv #	24
53) Toluene	10.09	91	6720	0.03	ppbv #	70

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

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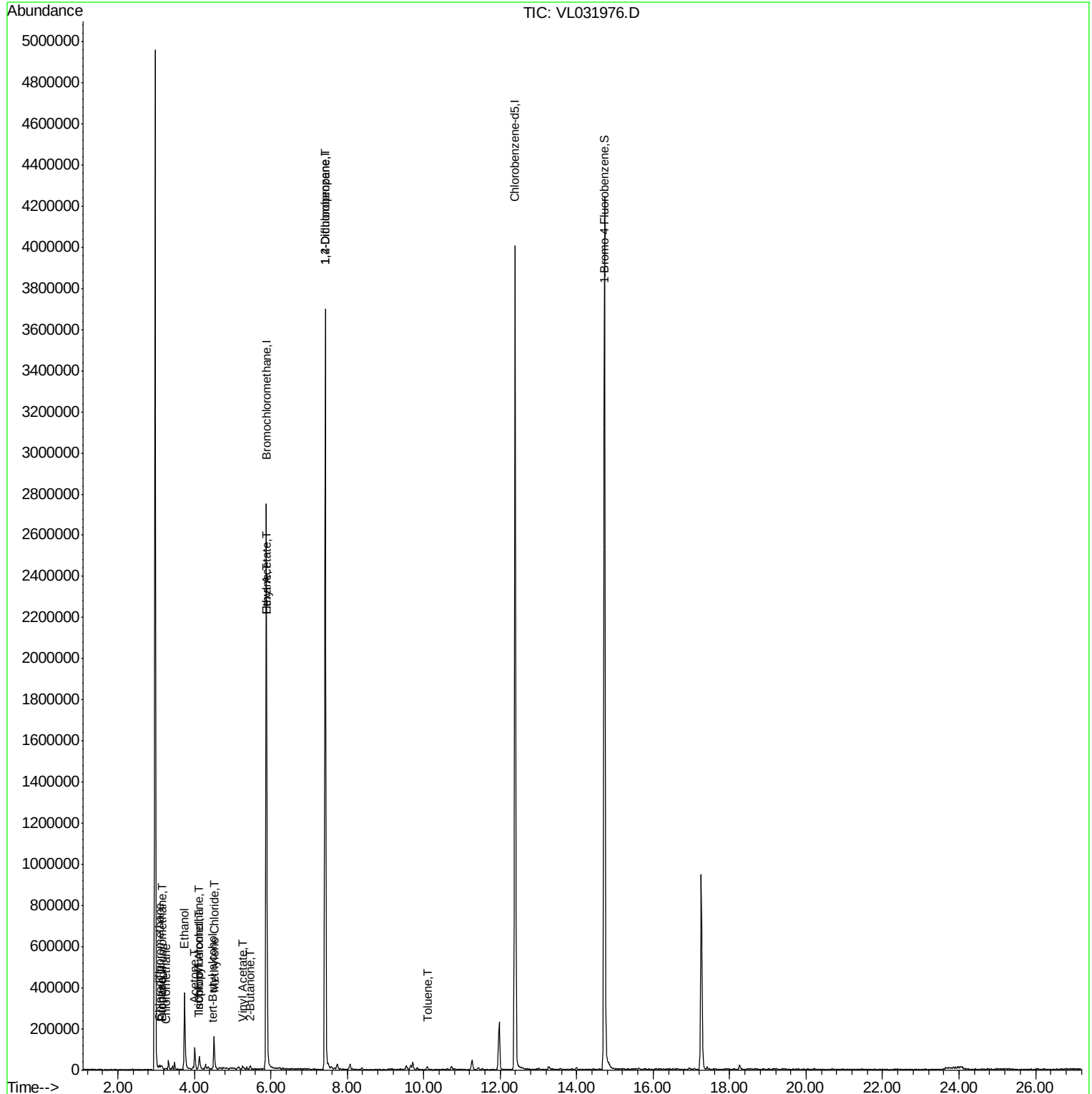
Quant Time: May 04 03:28:53 2018

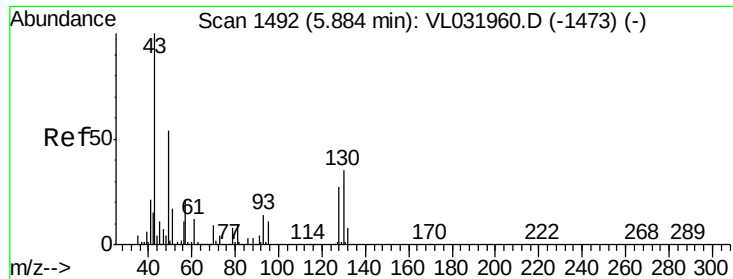
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

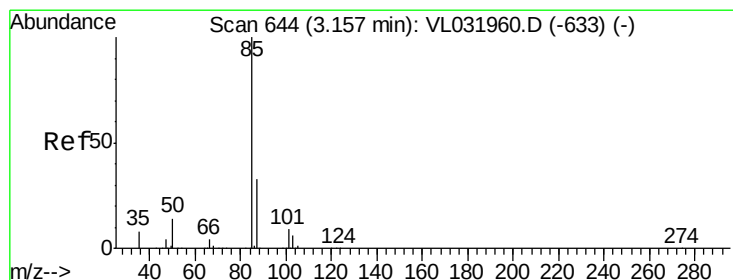
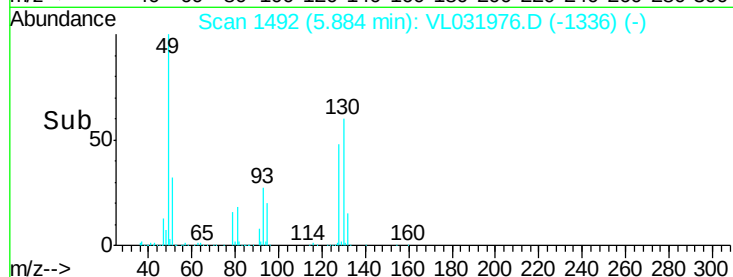
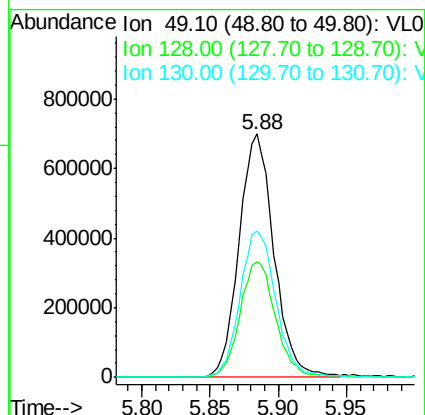
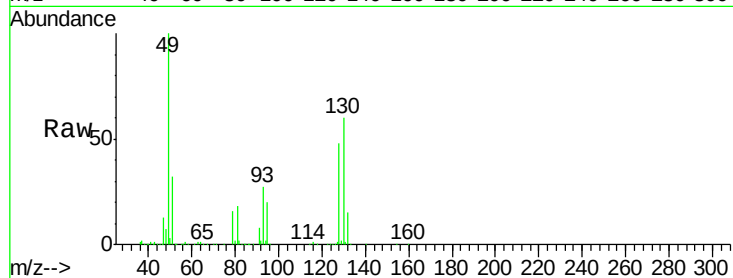




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

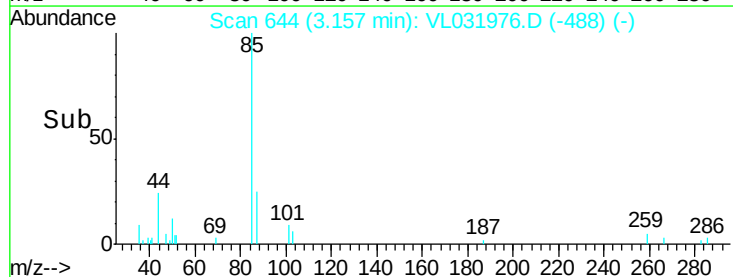
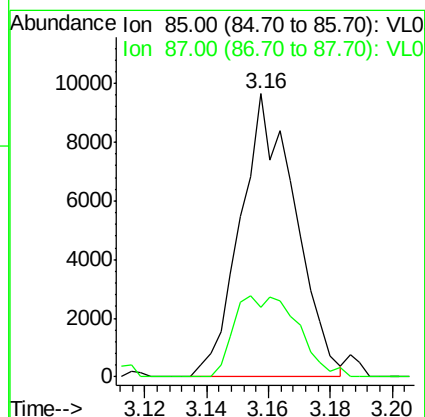
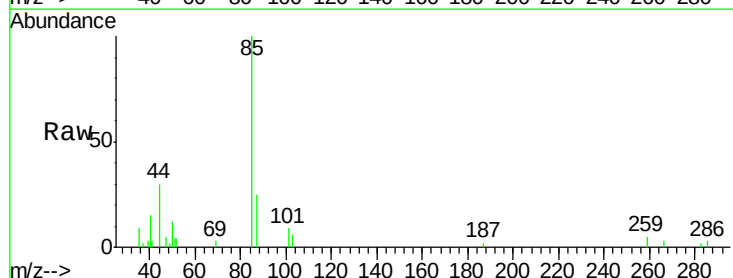
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

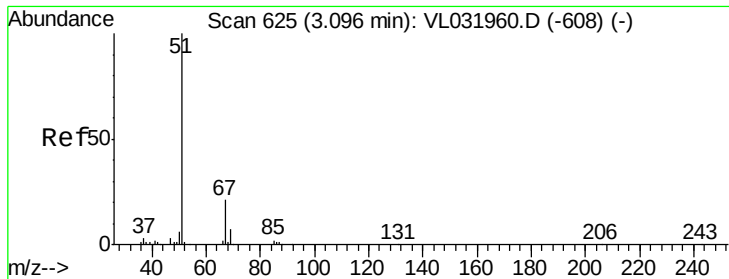
Tgt Ion: 49 Resp: 1243556
 Ion Ratio Lower Upper
 49 100
 128 48.8 24.1 72.3
 130 62.4 30.7 92.1



#2
 Dichlorodifluoromethane
 Concen: 0.07 ppbv
 RT: 3.16 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

Tgt Ion: 85 Resp: 11856
 Ion Ratio Lower Upper
 85 100
 87 24.7 26.8 40.2#





#3

Chlorodifluoromethane

Concen: 0.16 ppbv

RT: 3.10 min Scan# 625

Delta R.T. 0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

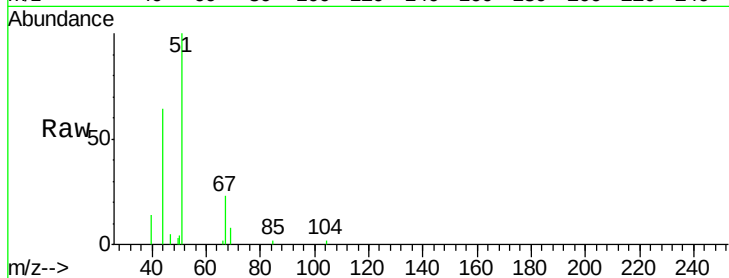
IA3DL

Tgt Ion: 51 Resp: 18339

Ion Ratio Lower Upper

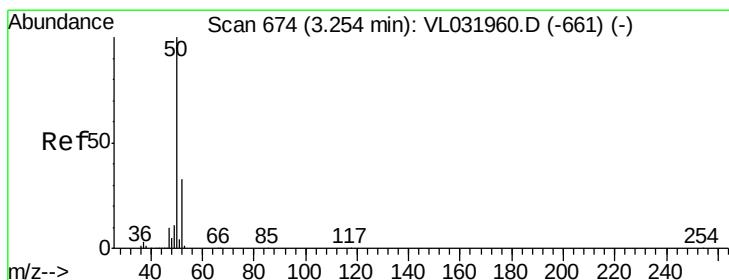
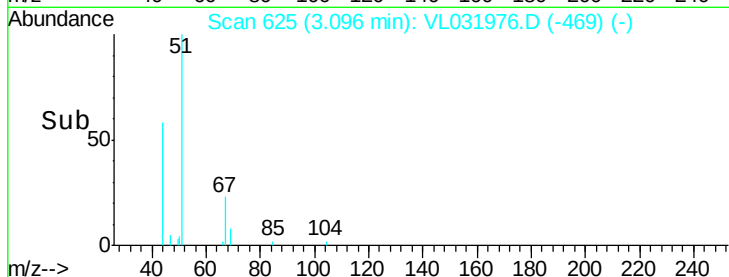
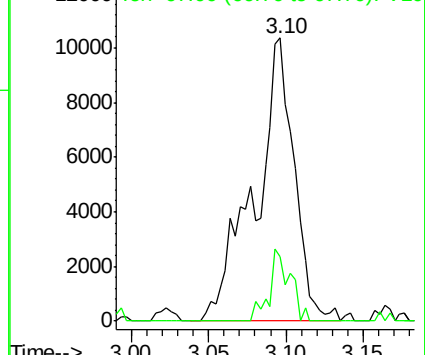
51 100

67 13.3 15.9 23.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL031976.D

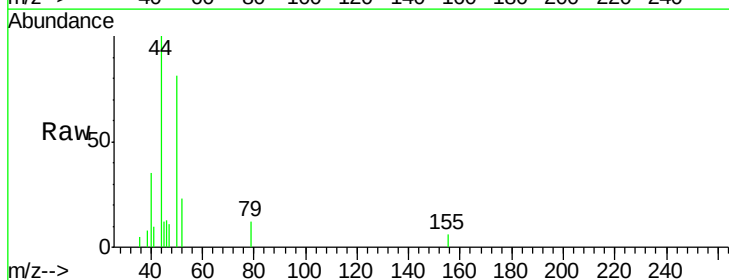
Acq: 4 May 2018 00:02

Tgt Ion: 50 Resp: 1919

Ion Ratio Lower Upper

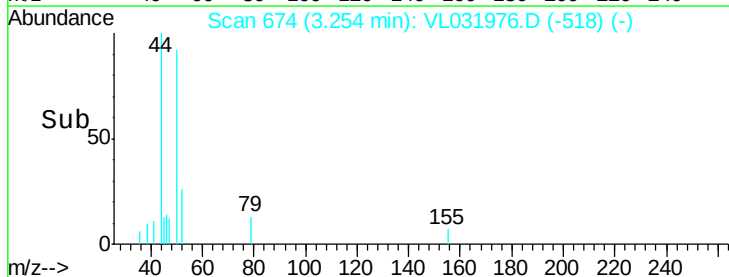
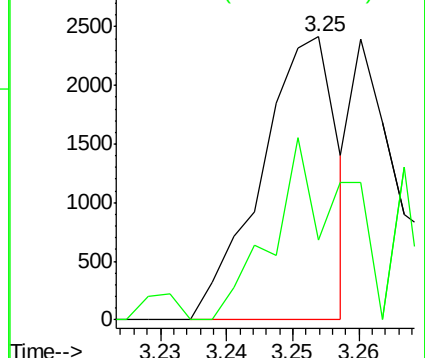
50 100

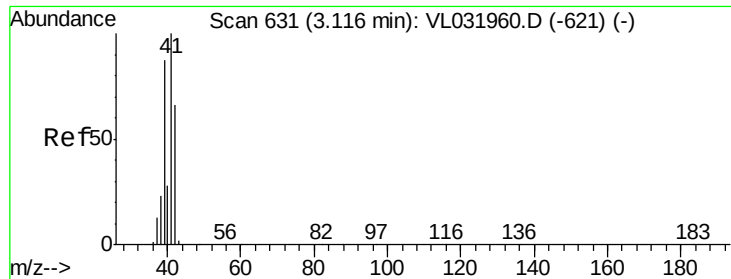
52 28.2 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.04 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.01 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

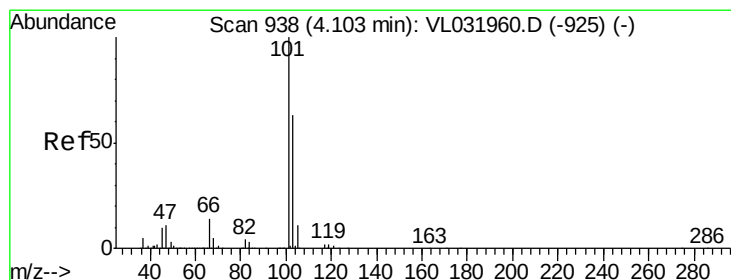
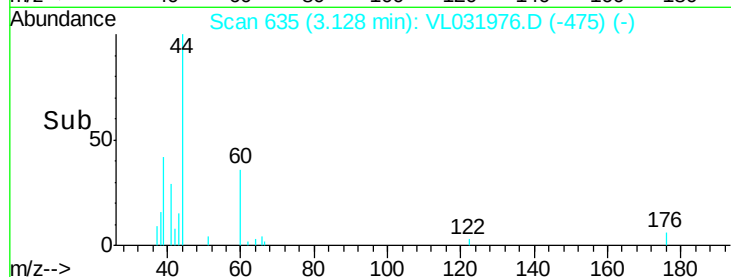
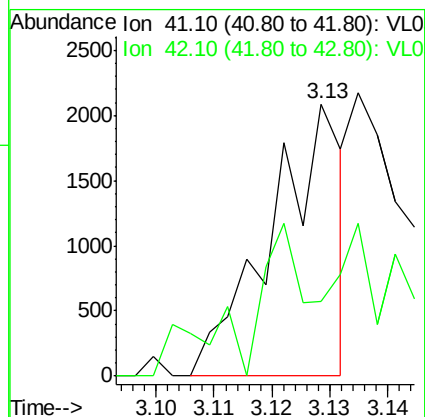
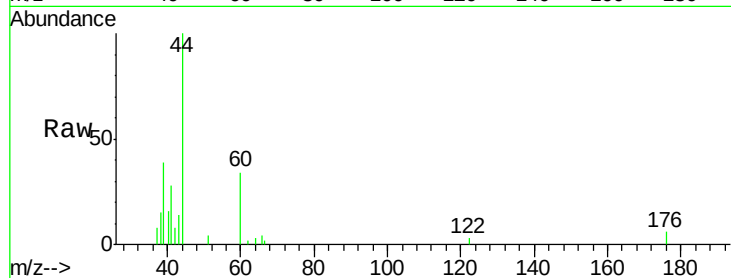
IA3DL

Tgt Ion: 41 Resp: 1770

Ion Ratio Lower Upper

41 100

42 107.6 53.9 80.9#



#11

Trichlorofluoromethane

Concen: 0.02 ppbv

RT: 4.11 min Scan# 940

Delta R.T. 0.01 min

Lab File: VL031976.D

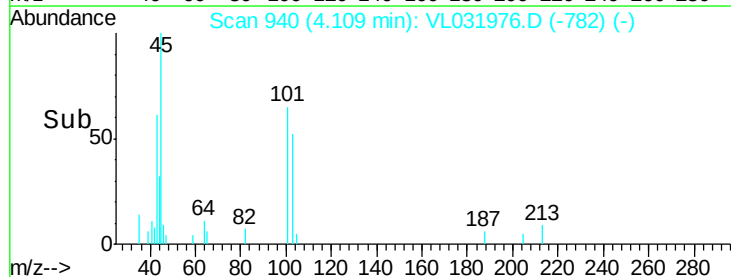
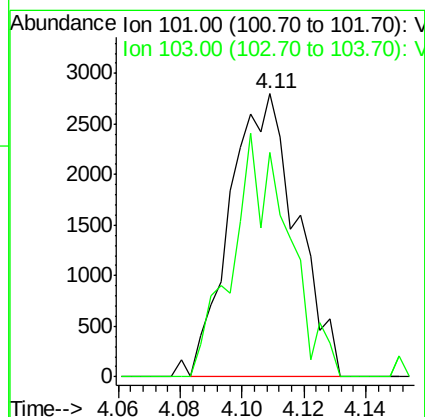
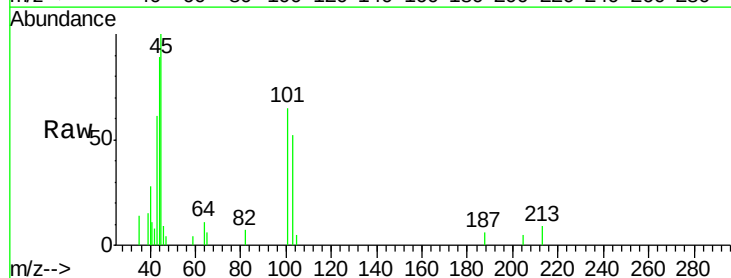
Acq: 4 May 2018 00:02

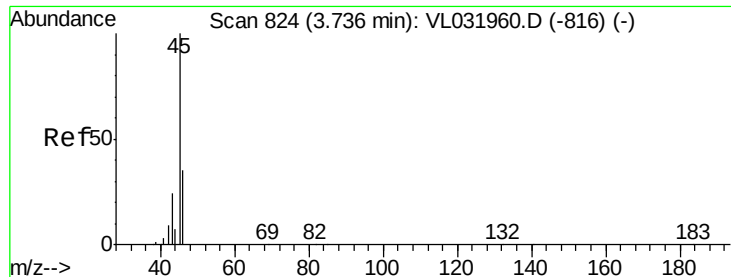
Tgt Ion: 101 Resp: 4178

Ion Ratio Lower Upper

101 100

103 79.4 50.7 76.1#





#13

Ethanol

Concen: 25.77 ppbv

RT: 3.74 min Scan# 825

Delta R.T. 0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

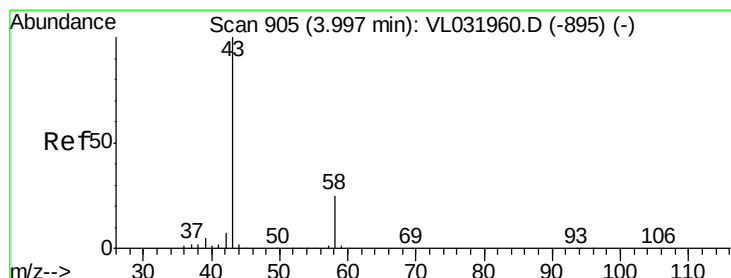
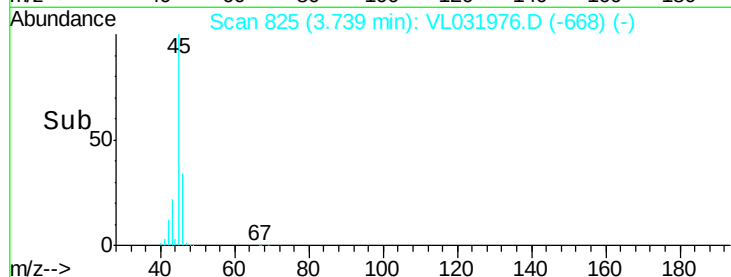
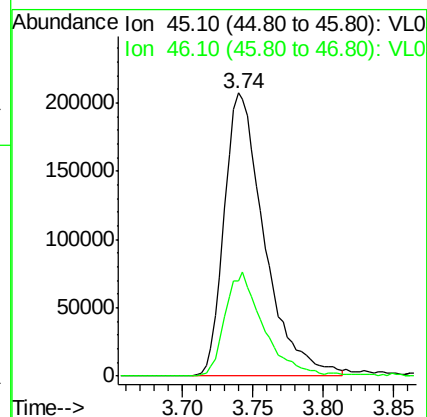
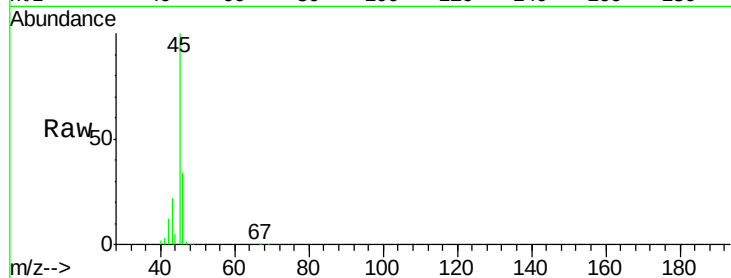
IA3DL

Tgt Ion: 45 Resp: 412685

Ion Ratio Lower Upper

45 100

46 36.1 0.0 0.0#



#15

Acetone

Concen: 0.59 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL031976.D

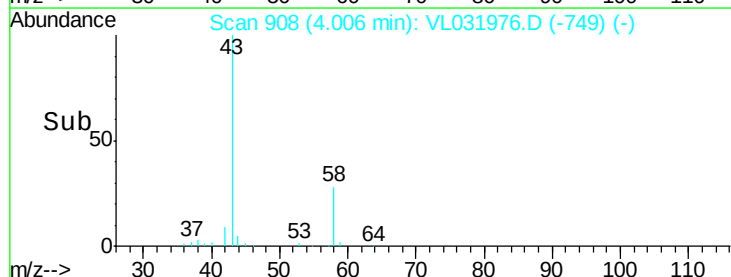
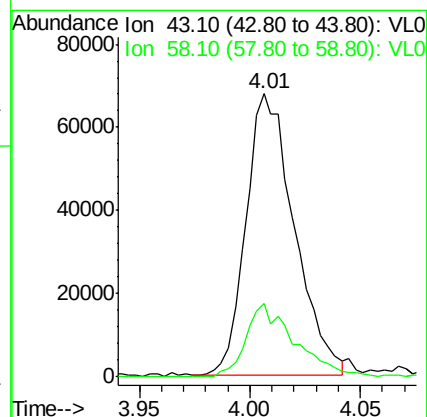
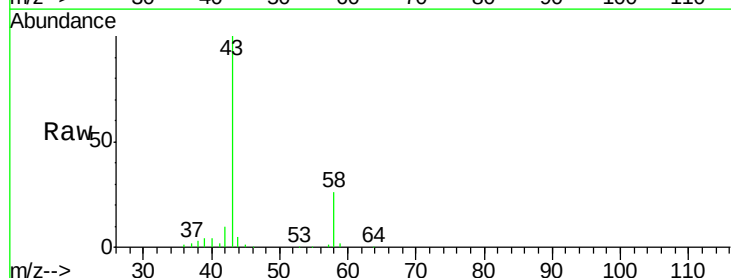
Acq: 4 May 2018 00:02

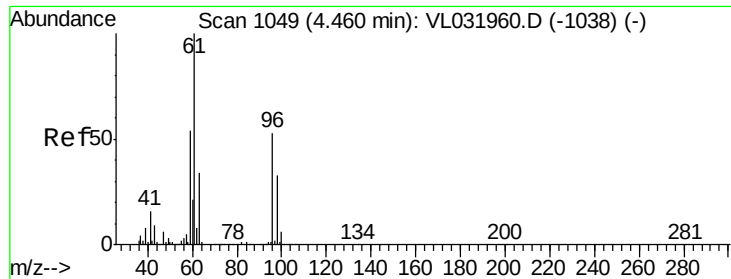
Tgt Ion: 43 Resp: 103145

Ion Ratio Lower Upper

43 100

58 26.8 21.1 31.7

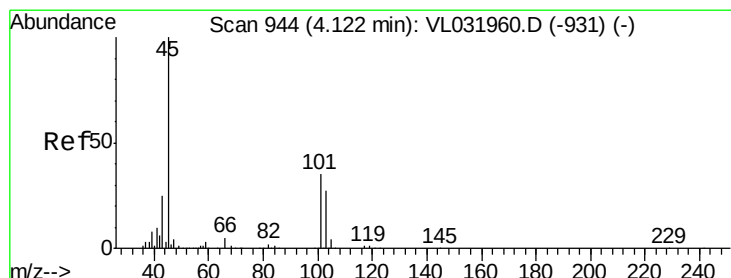
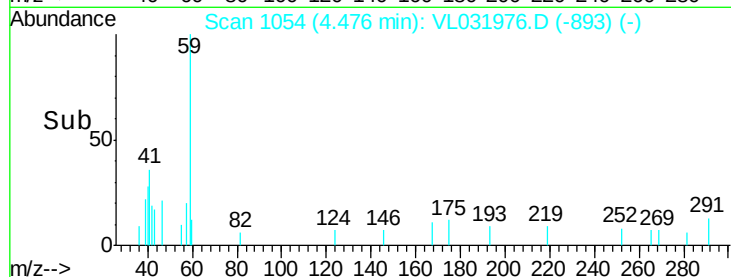
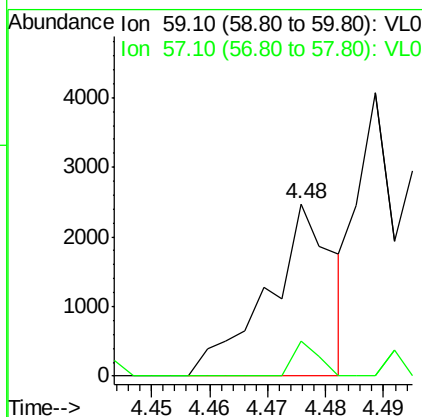
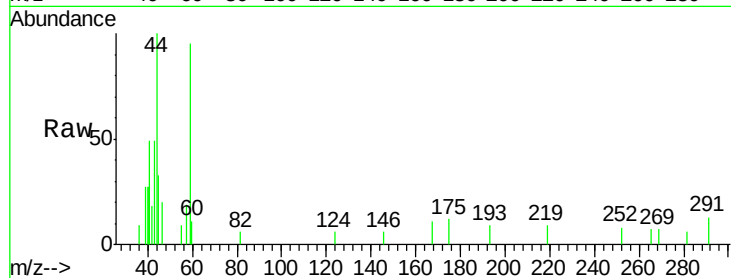




#17
 tert-Butyl alcohol
 Concen: 0.03 ppbv
 RT: 4.48 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

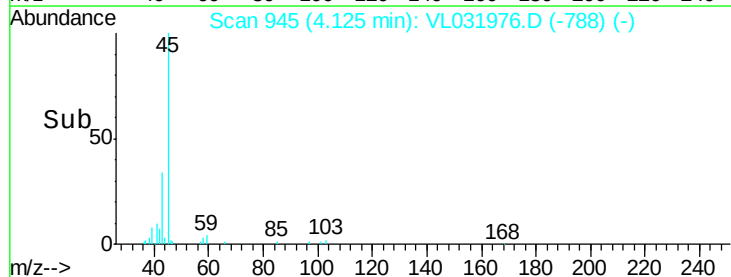
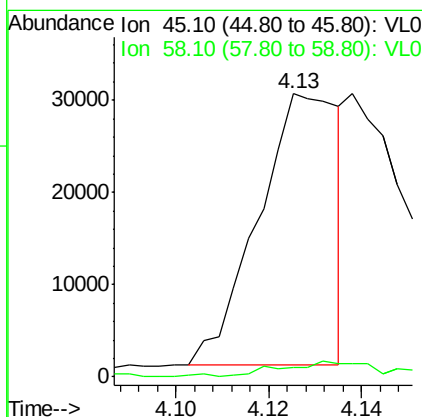
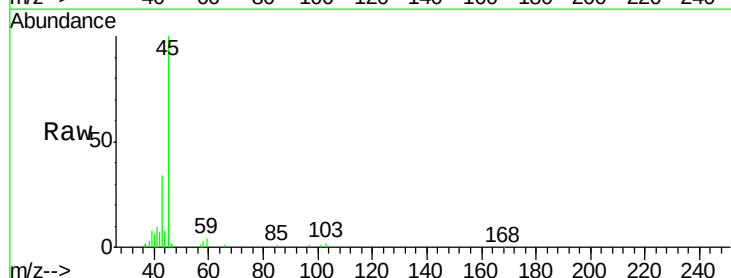
Instrument :
 MSVOA_L
 ClientSampled :
 IA3DL

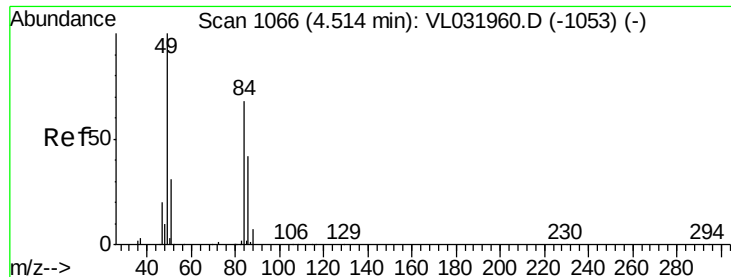
Tgt Ion: 59 Resp: 1932
 Ion Ratio Lower Upper
 59 100
 57 16.8 8.3 12.5#



#19
 Isopropyl Alcohol
 Concen: 0.37 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

Tgt Ion: 45 Resp: 35365
 Ion Ratio Lower Upper
 45 100
 58 8.2 1.4 2.2#

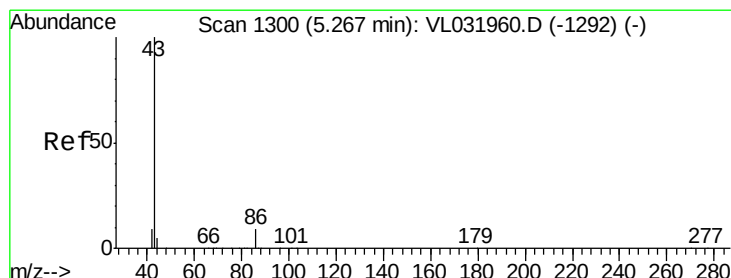
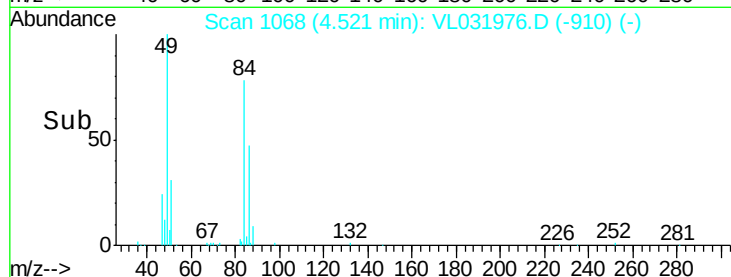
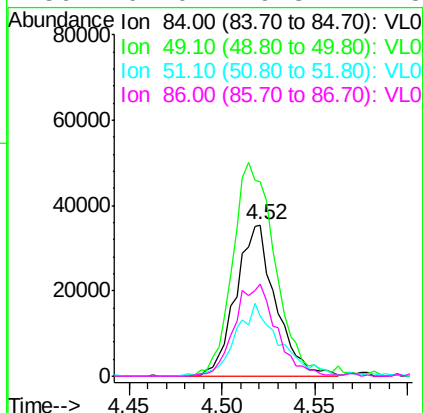
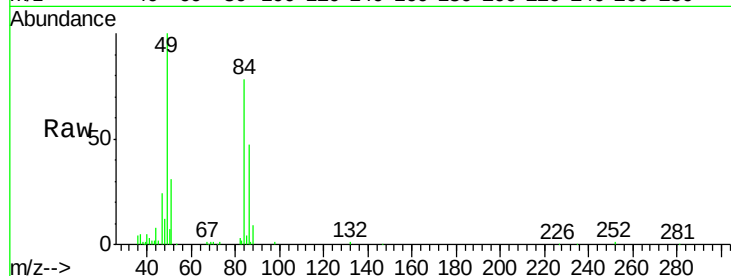




#20
Methylene Chloride
Concen: 0.89 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

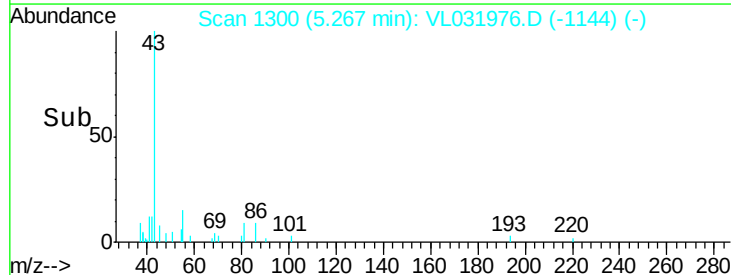
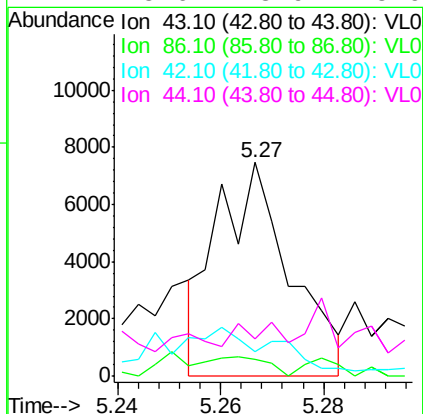
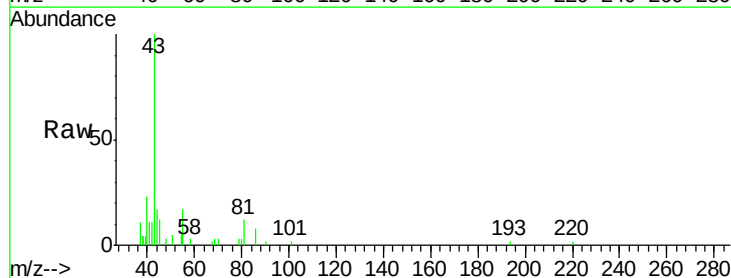
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

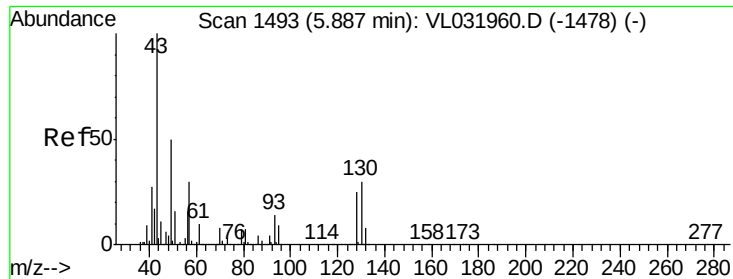
Tgt Ion:	84	Resp:	52935
Ion	Ratio	Lower	Upper
84	100		
49	128.2	118.6	178.0
51	38.9	36.6	54.8
86	61.0	49.8	74.8



#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.27 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Tgt Ion:	43	Resp:	7320
Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.1	9.1#
42	9.6	8.0	12.0
44	5.6	3.9	5.9

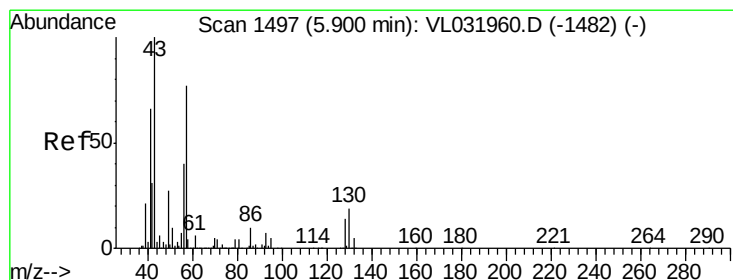
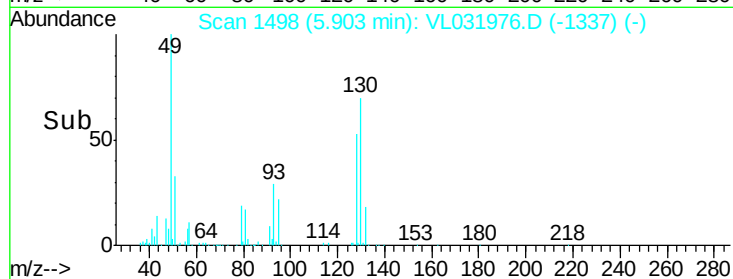
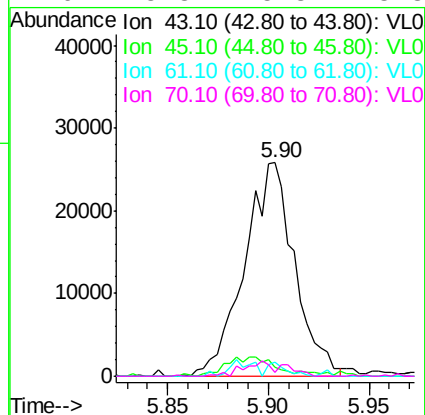
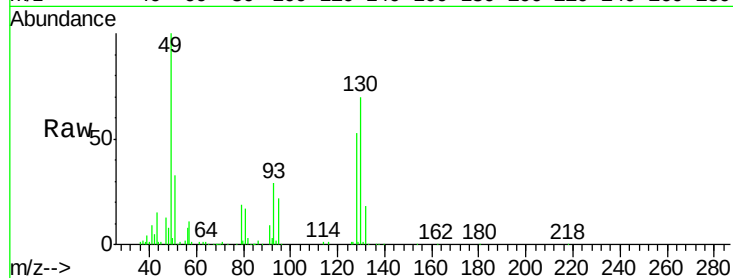




#25
Ethyl Acetate
Concen: 0.15 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.02 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

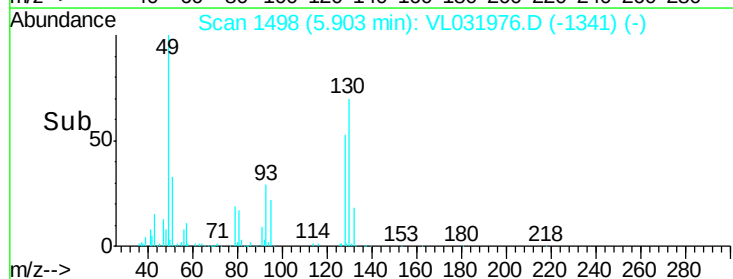
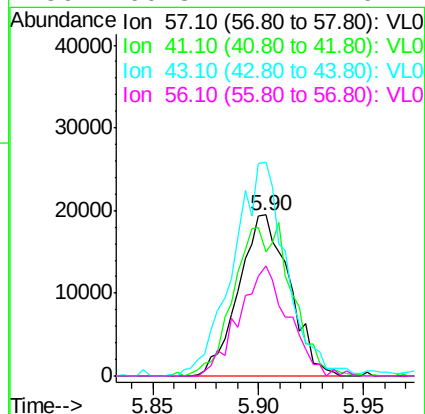
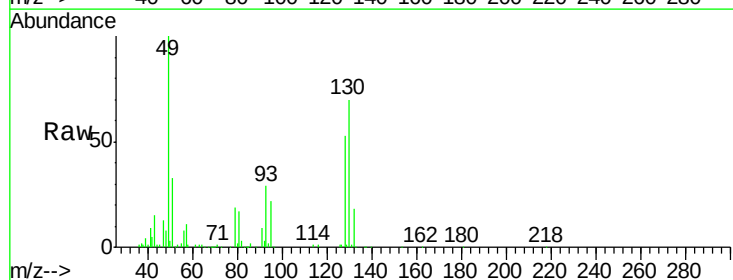
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

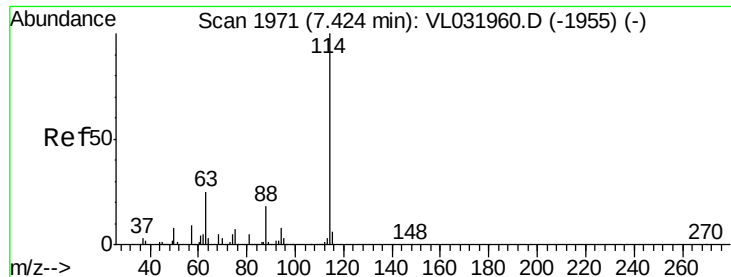
Tgt Ion:	43	Resp:	44888
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.8	11.6
61	3.0	7.4	11.2#
70	5.8	5.8	8.8#



#26
Hexane
Concen: 0.23 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Tgt Ion:	57	Resp:	32467
Ion	Ratio	Lower	Upper
57	100		
41	106.7	71.8	107.6
43	142.1	171.5	257.3#
56	66.8	41.4	62.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

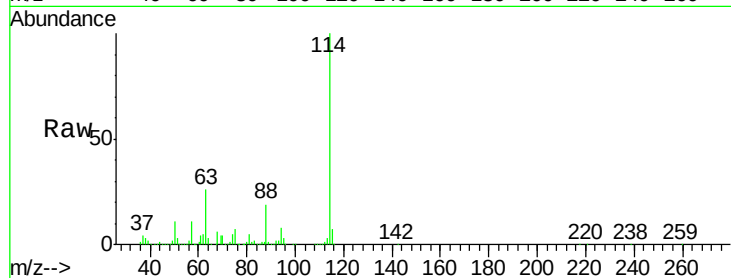
Tgt Ion:114 Resp: 2519046

Ion Ratio Lower Upper

114 100

63 26.6 20.8 31.2

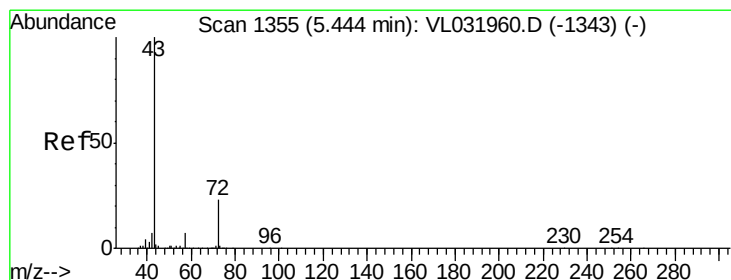
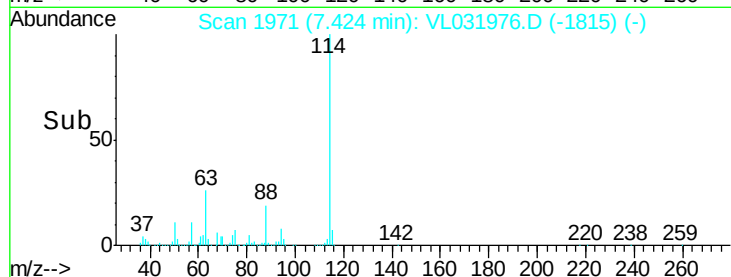
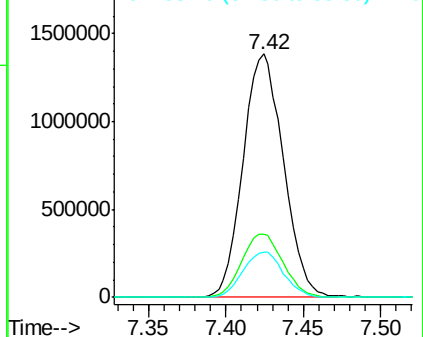
88 18.8 14.6 21.8



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



#34

2-Butanone

Concen: 0.08 ppbv

RT: 5.46 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VL031976.D

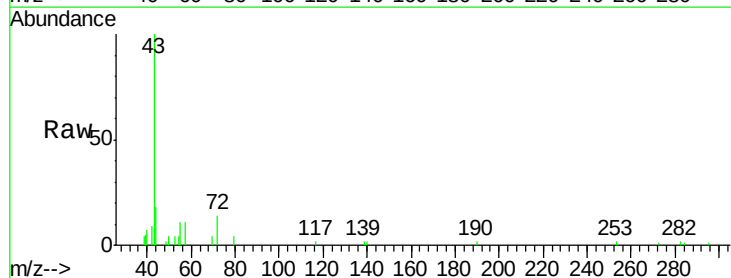
Acq: 4 May 2018 00:02

Tgt Ion: 43 Resp: 16262

Ion Ratio Lower Upper

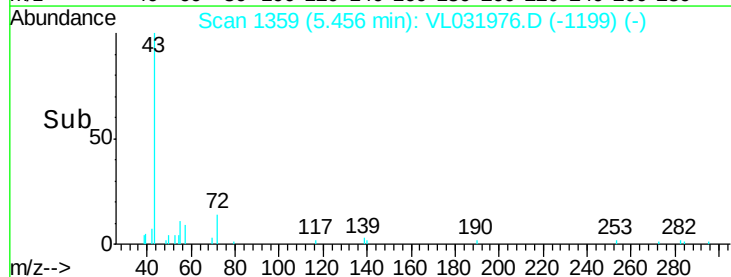
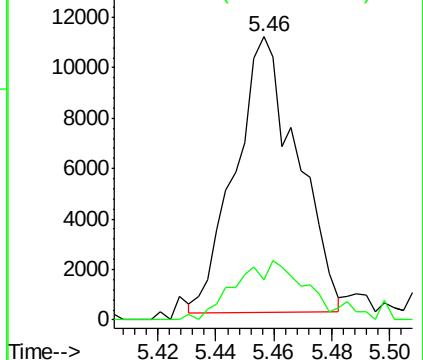
43 100

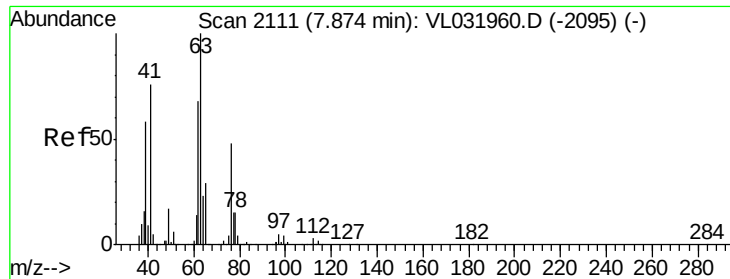
72 26.5 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

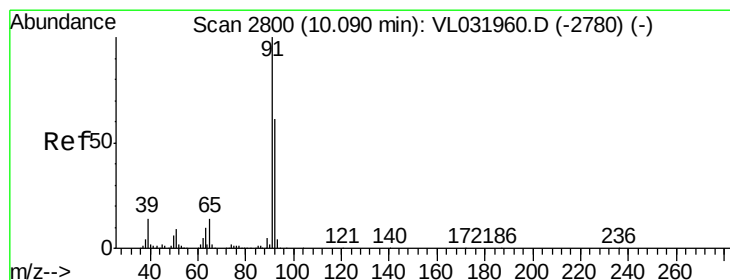
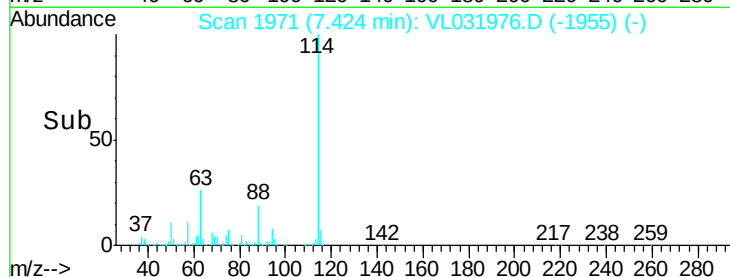
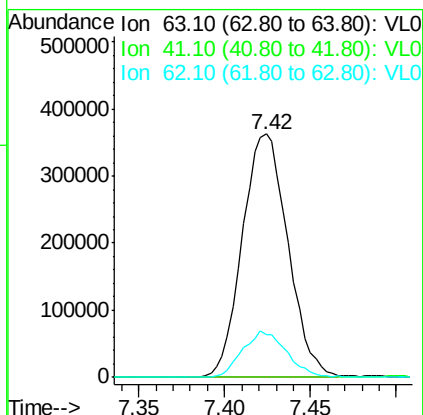
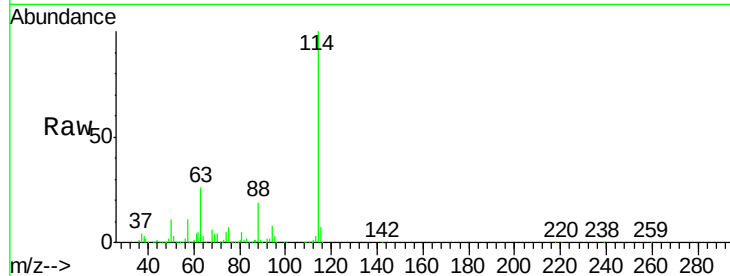




#39
 1,2-Dichloropropane
 Concen: 8.01 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.45 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

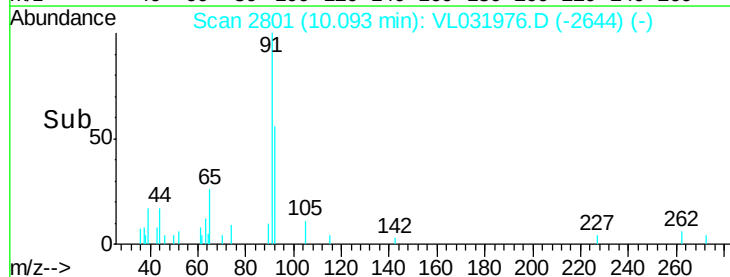
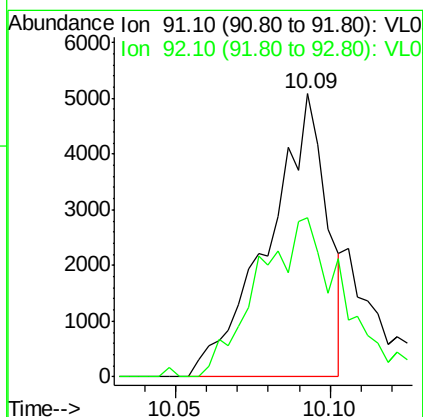
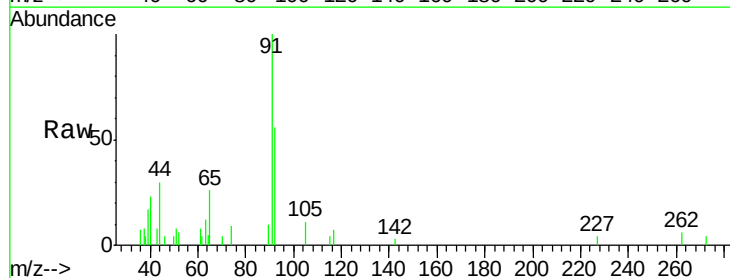
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

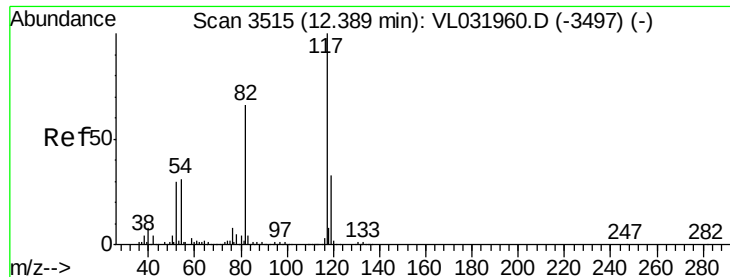
Tgt Ion: 63 Resp: 662004
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.7 91.1#
 62 17.4 54.7 82.1#



#53
 Toluene
 Concen: 0.03 ppbv
 RT: 10.09 min Scan# 2801
 Delta R.T. 0.00 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

Tgt Ion: 91 Resp: 6720
 Ion Ratio Lower Upper
 91 100
 92 81.8 47.4 71.2#

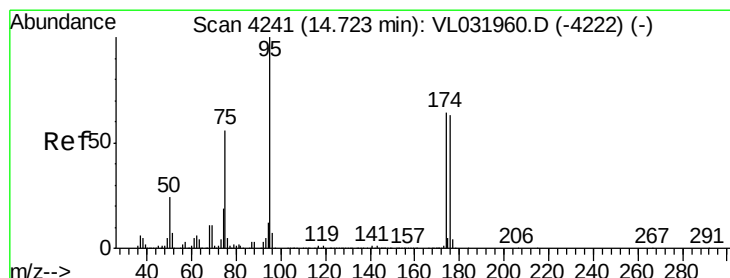
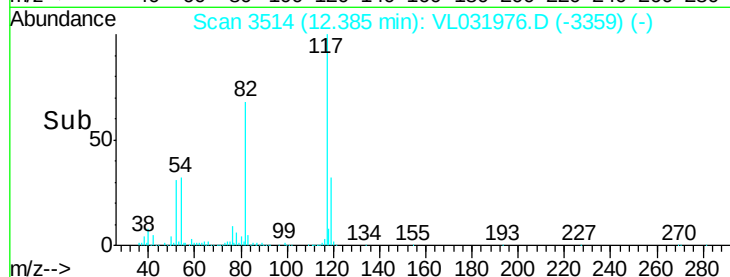
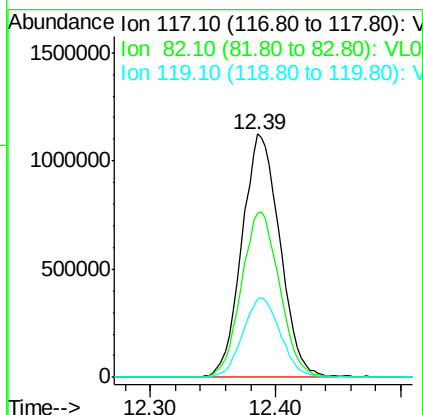
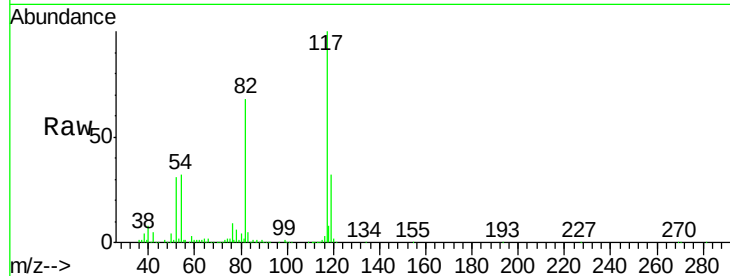




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Instrument :
MSVOA_L
ClientSampled :
IA3DL

Tgt Ion: 117 Resp: 2364863
Ion Ratio Lower Upper
117 100
82 68.8 51.6 77.4
119 32.8 44.2 66.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.64 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. 0.00 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Tgt Ion: 95 Resp: 1950613
Ion Ratio Lower Upper
95 100
174 66.3 53.0 79.6
175 4.9 3.9 5.9

