

Data File : VL031978.D
Acq On : 4 May 2018 1:24
Operator : SY/AP
Sample : J2629-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG2DL

Quant Time: May 04 03:29:35 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	1338200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2693913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2678609	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.73 95 2113585 10.18 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.16	85	2818	0.02	ppbv	97
4) Chloromethane	3.25	50	2187	0.03	ppbv	100
9) Propene	3.12	41	18615	0.40	ppbv	95
13) Ethanol	3.75	45	7396	0.43	ppbv #	100
15) Acetone	4.01	43	75525	0.40	ppbv #	75
16) 1,3-Butadiene	3.44	39	6322	0.10	ppbv #	52
17) tert-Butyl alcohol	4.50	59	5251	0.07	ppbv #	60
20) Methylene Chloride	4.52	84	17008	0.27	ppbv #	83
23) Vinyl Acetate	5.26	43	4312	0.02	ppbv #	35
26) Hexane	5.90	57	6397	0.04	ppbv #	1
34) 2-Butanone	5.46	43	116093	0.52	ppbv	99
36) Benzene	7.14	78	3819	0.02	ppbv #	91
39) 1,2-Dichloropropane	7.42	63	699764	7.92	ppbv #	24
51) 2-Hexanone	10.44	43	27460	0.14	ppbv #	94
53) Toluene	10.09	91	3972	0.01	ppbv #	21
61) Styrene	13.84	104	1708	0.03	ppbv #	15

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

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Sample : J2629-01DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SG2DL

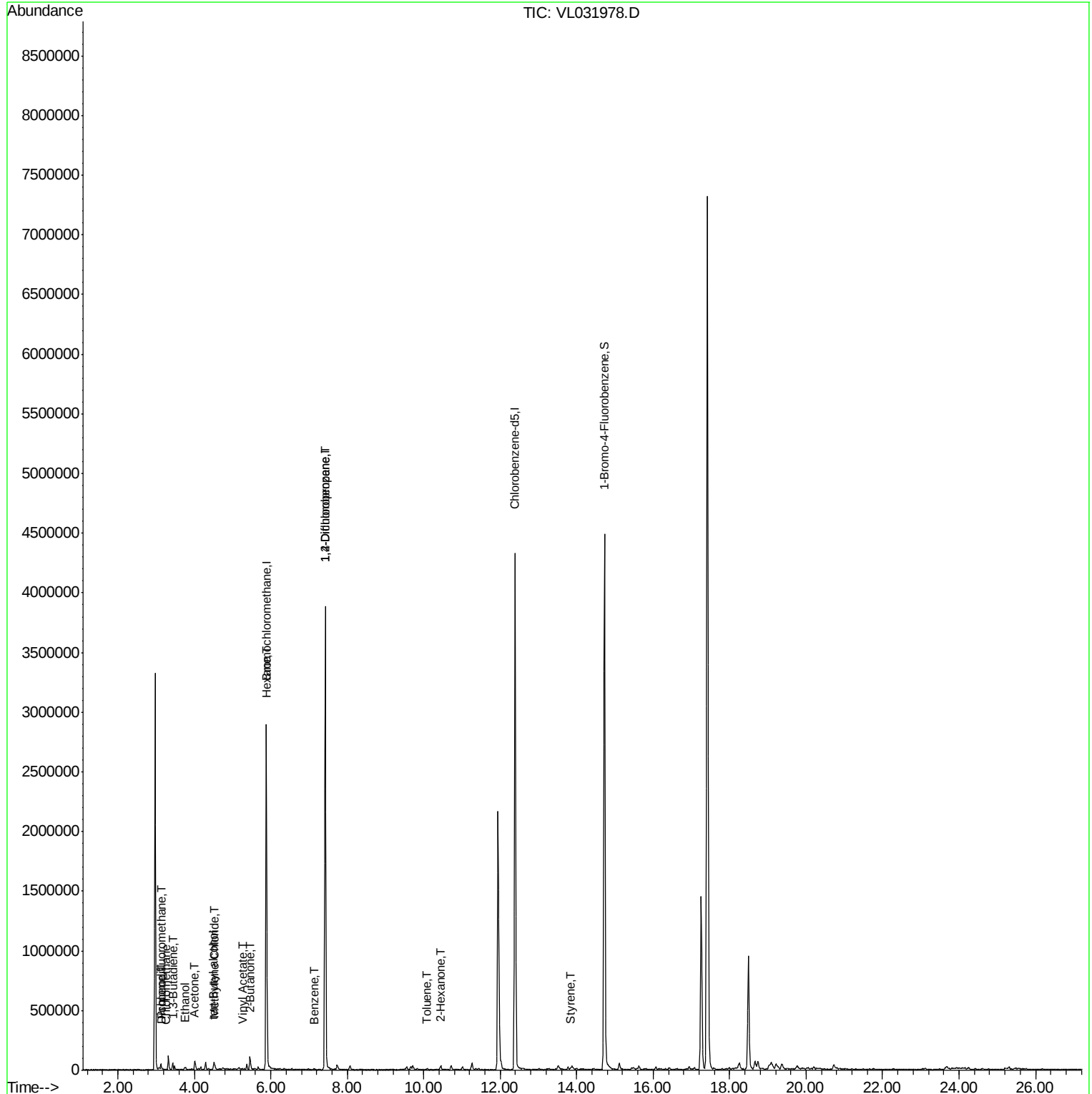
Quant Time: May 04 03:29:35 2018

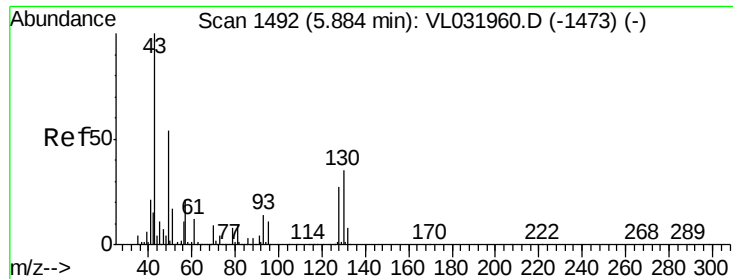
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

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: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampleId :

SG2DL

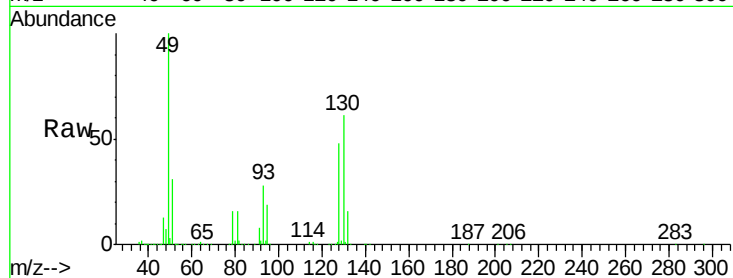
Tgt Ion: 49 Resp: 1338200

Ion Ratio Lower Upper

49 100

128 48.4 24.1 72.3

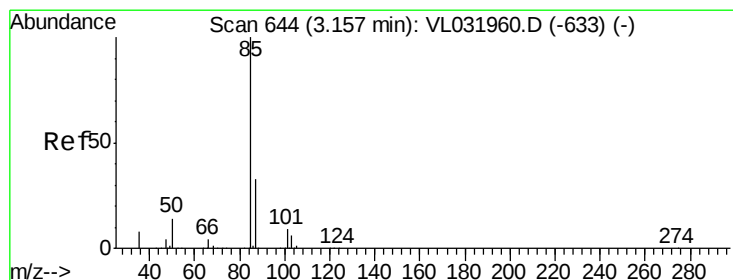
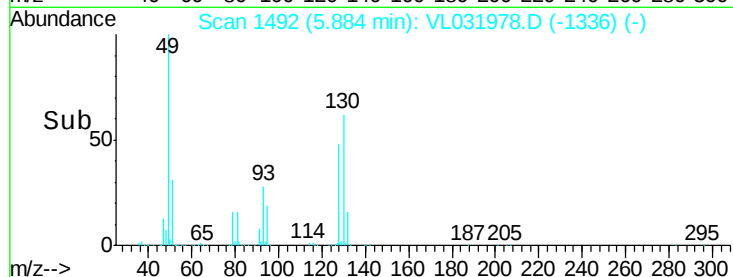
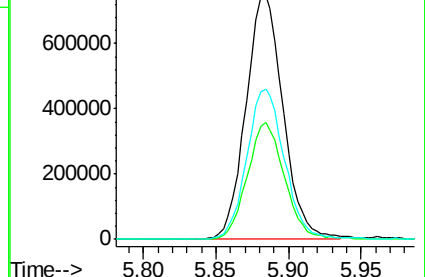
130 62.6 30.7 92.1



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



#2

Dichlorodifluoromethane

Concen: 0.02 ppbv

RT: 3.16 min Scan# 644

Delta R.T. 0.00 min

Lab File: VL031978.D

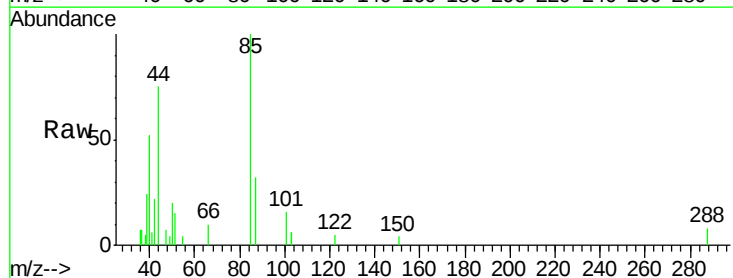
Acq: 4 May 2018 1:24

Tgt Ion: 85 Resp: 2818

Ion Ratio Lower Upper

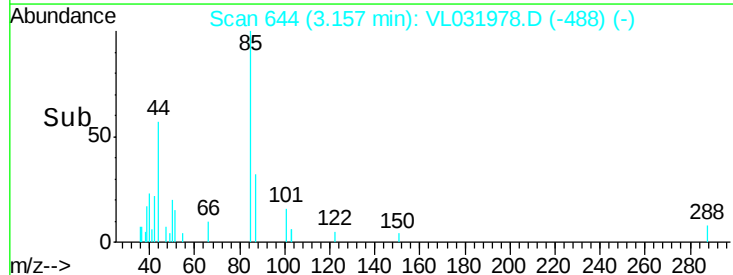
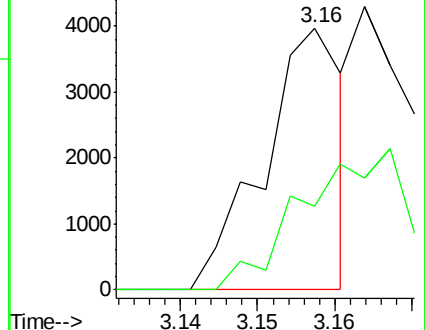
85 100

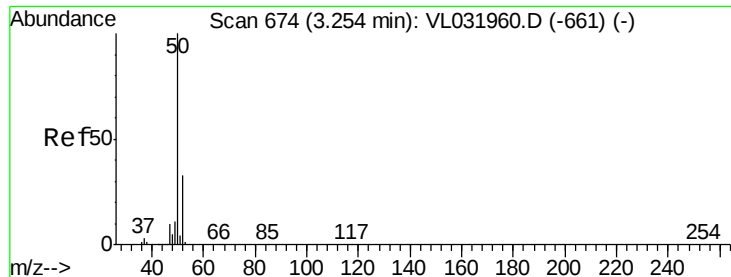
87 32.0 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampleId :

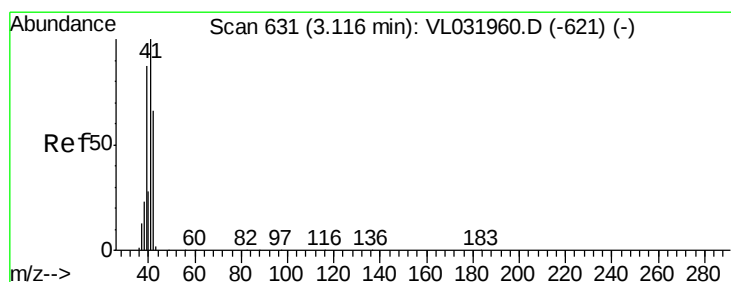
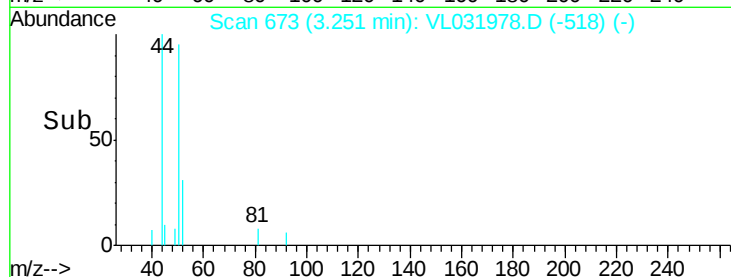
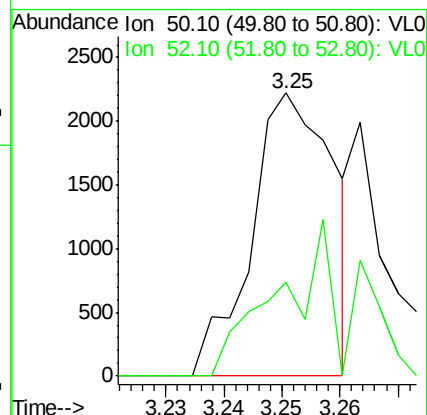
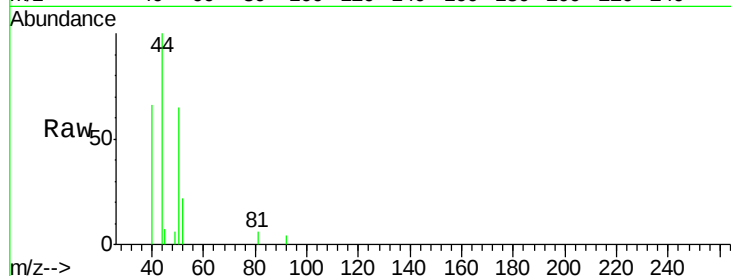
SG2DL

Tgt Ion: 50 Resp: 2187

Ion Ratio Lower Upper

50 100

52 33.0 26.6 39.8



#9

Propene

Concen: 0.40 ppbv

RT: 3.12 min Scan# 632

Delta R.T. 0.00 min

Lab File: VL031978.D

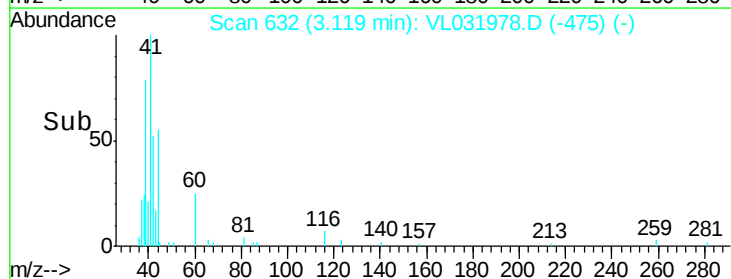
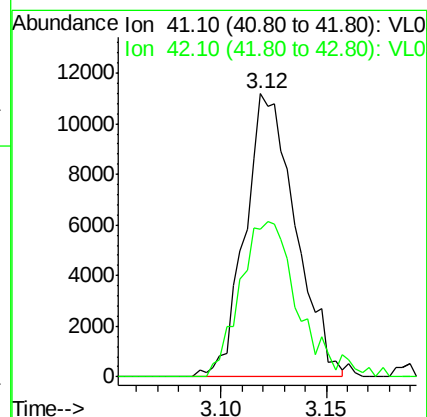
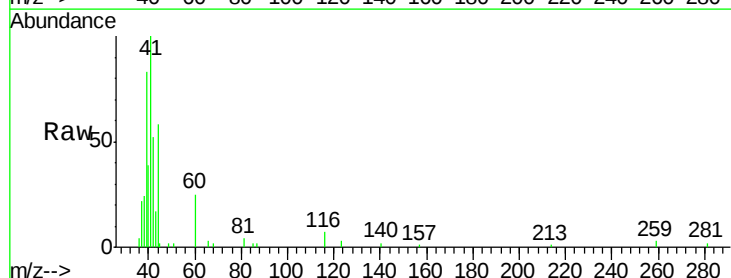
Acq: 4 May 2018 1:24

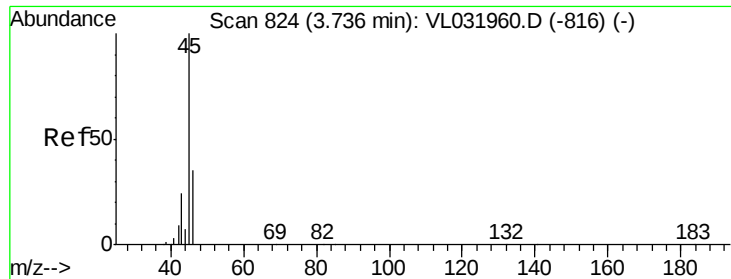
Tgt Ion: 41 Resp: 18615

Ion Ratio Lower Upper

41 100

42 63.2 53.9 80.9

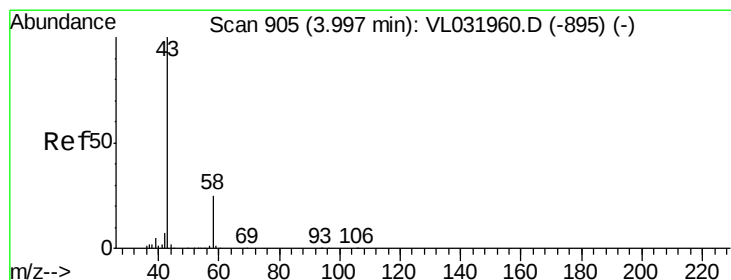
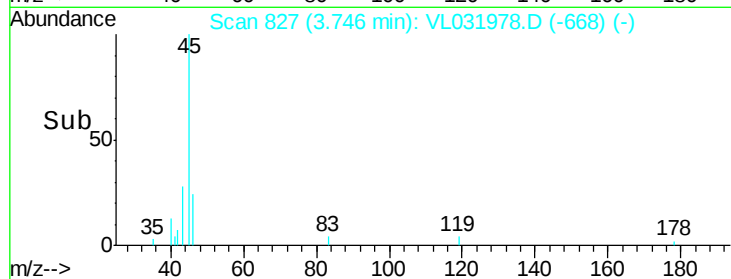
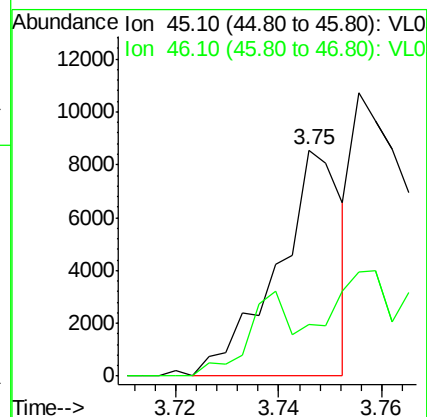
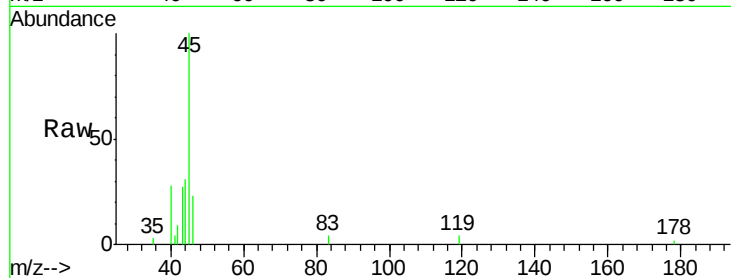




#13
Ethanol
Concen: 0.43 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.01 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

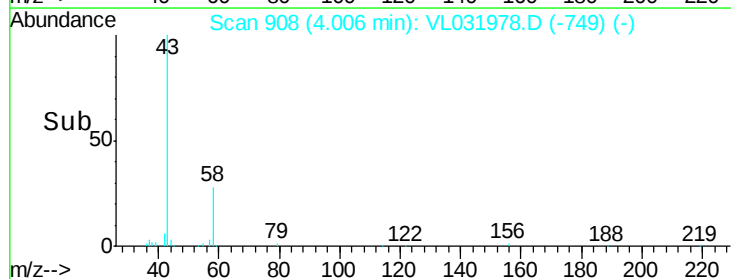
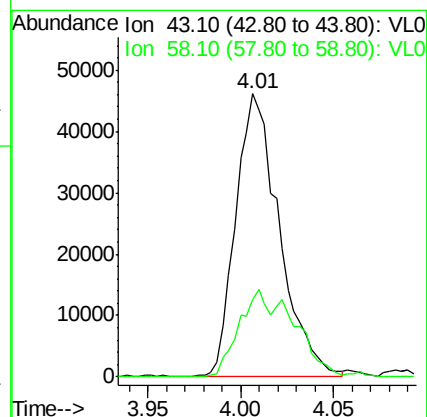
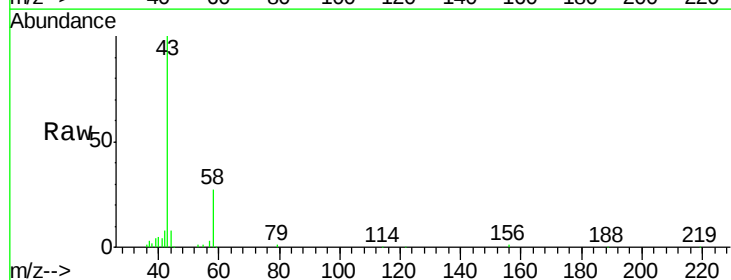
Instrument :
MSVOA_L
ClientSampleId :
SG2DL

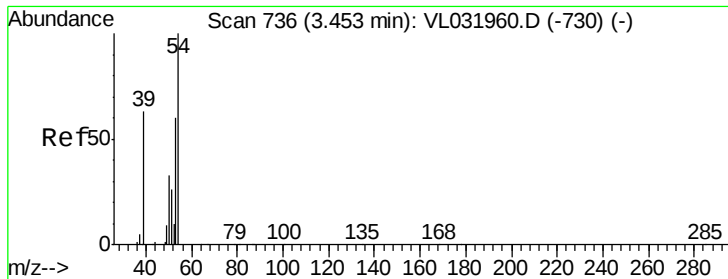
Tgt Ion: 45 Resp: 7396
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#15
Acetone
Concen: 0.40 ppbv
RT: 4.01 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

Tgt Ion: 43 Resp: 75525
Ion Ratio Lower Upper
43 100
58 39.4 21.1 31.7#

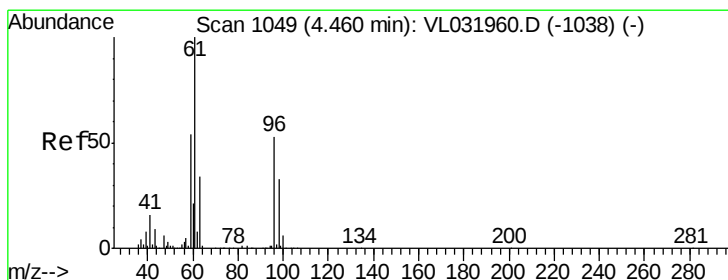
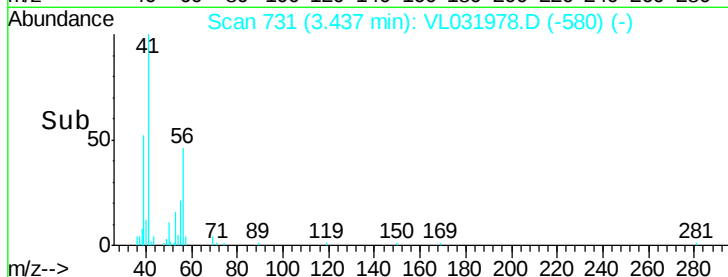
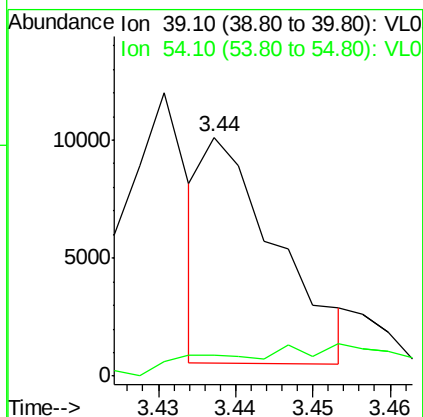
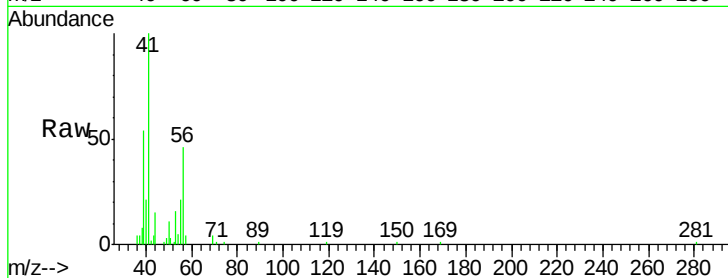




#16
1,3-Butadiene
Concen: 0.10 ppbv
RT: 3.44 min Scan# 731
Delta R.T. -0.02 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

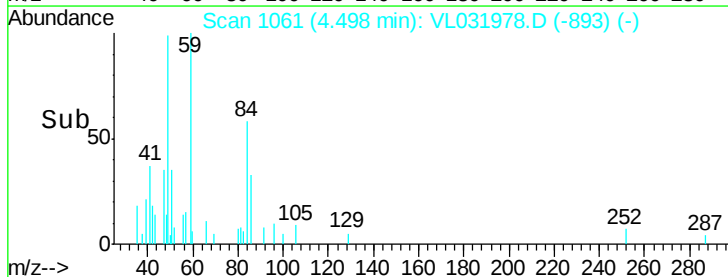
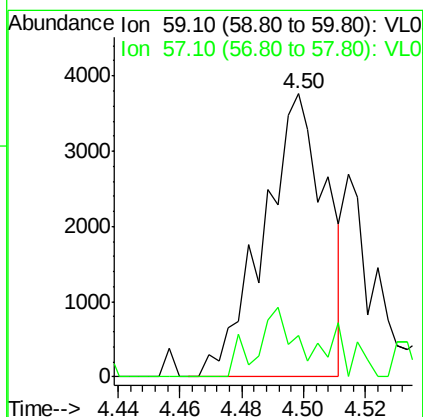
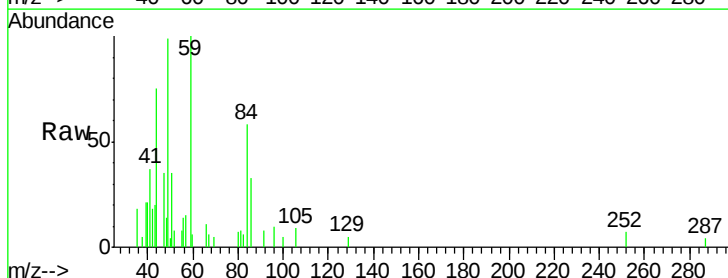
Instrument :
MSVOA_L
ClientSampleId :
SG2DL

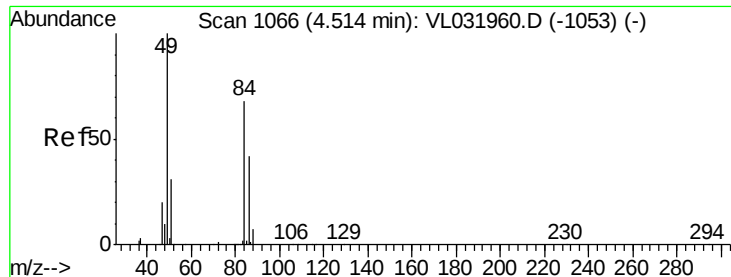
Tgt Ion: 39 Resp: 6322
Ion Ratio Lower Upper
39 100
54 39.4 66.2 99.2#



#17
tert-Butyl alcohol
Concen: 0.07 ppbv
RT: 4.50 min Scan# 1061
Delta R.T. 0.04 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

Tgt Ion: 59 Resp: 5251
Ion Ratio Lower Upper
59 100
57 25.3 8.3 12.5#

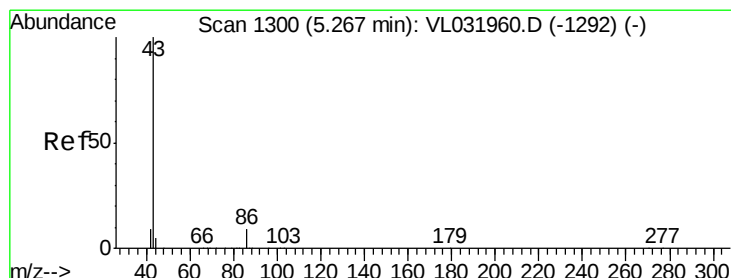
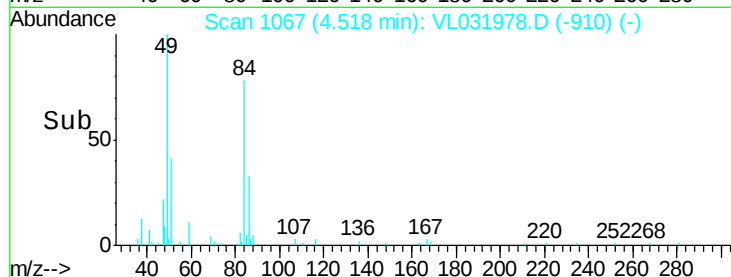
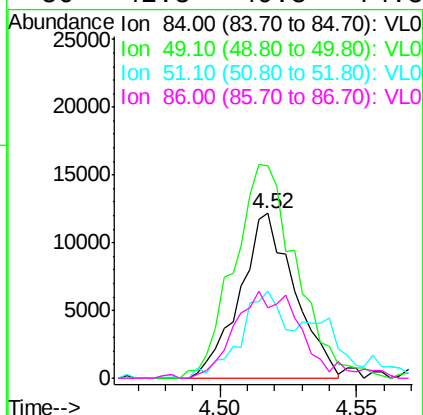
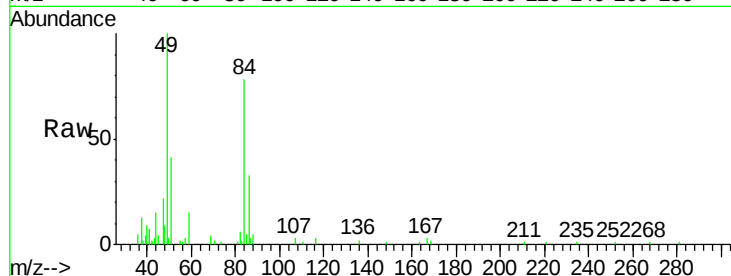




#20
Methylene Chloride
Concen: 0.27 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

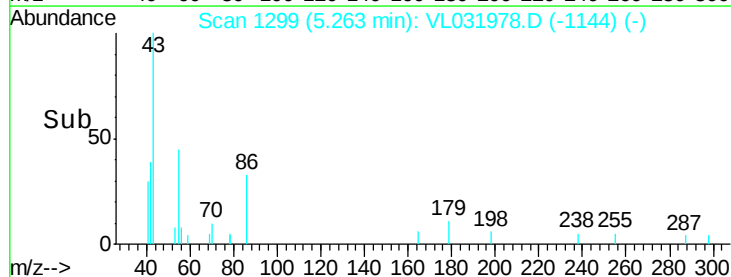
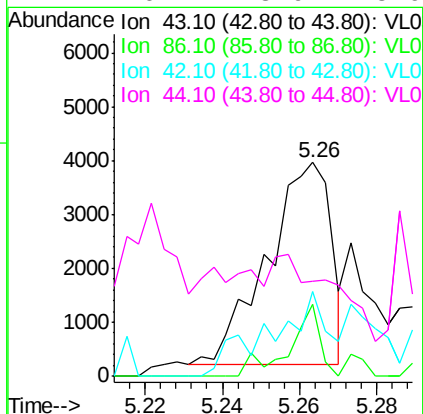
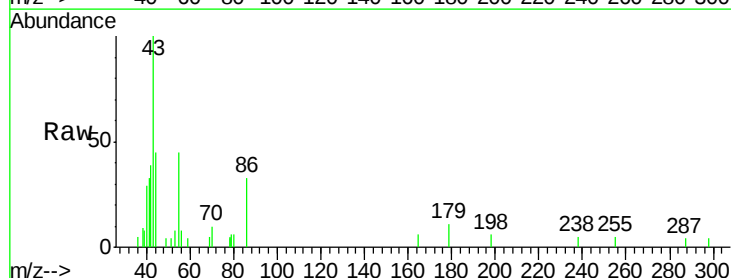
Instrument :
MSVOA_L
ClientSampleID :
SG2DL

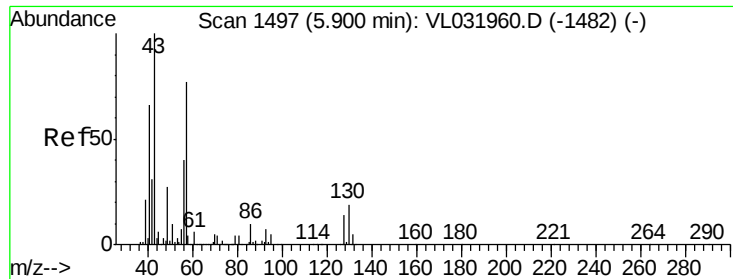
Tgt Ion: 84 Resp: 17008
Ion Ratio Lower Upper
84 100
49 127.7 118.6 178.0
51 52.7 36.6 54.8
86 42.8 49.8 74.8#



#23
Vinyl Acetate
Concen: 0.02 ppbv
RT: 5.26 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VL031978.D
Acq: 4 May 2018 1:24

Tgt Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
86 35.2 6.1 9.1#
42 41.5 8.0 12.0#
44 6.4 3.9 5.9#





#26

Hexane

Concen: 0.04 ppbv

RT: 5.90 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampled :

SG2DL

Tgt Ion: 57 Resp: 6397

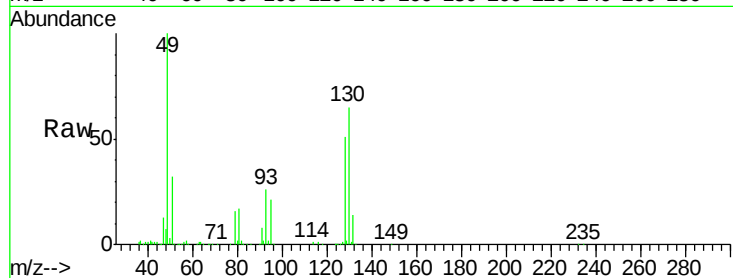
Ion Ratio Lower Upper

57 100

41 0.0 71.8 107.6#

43 0.0 171.5 257.3#

56 121.4 41.4 62.2#

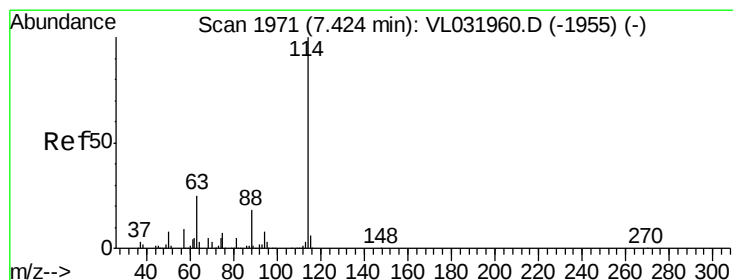
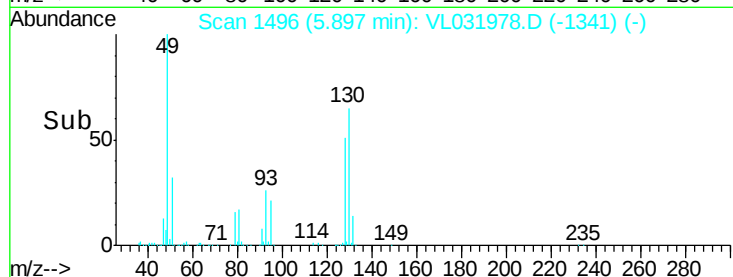
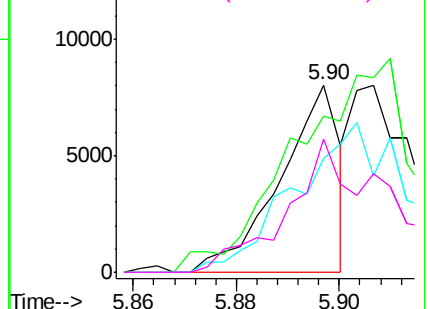


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

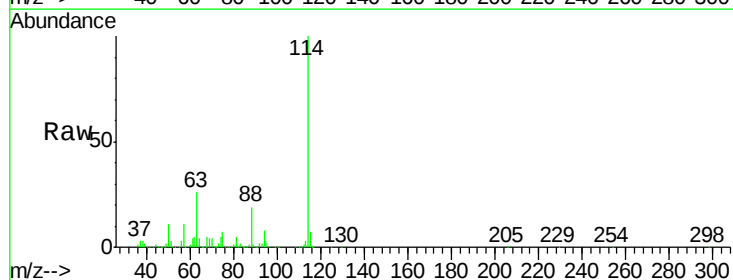
Tgt Ion: 114 Resp: 2693913

Ion Ratio Lower Upper

114 100

63 26.1 20.8 31.2

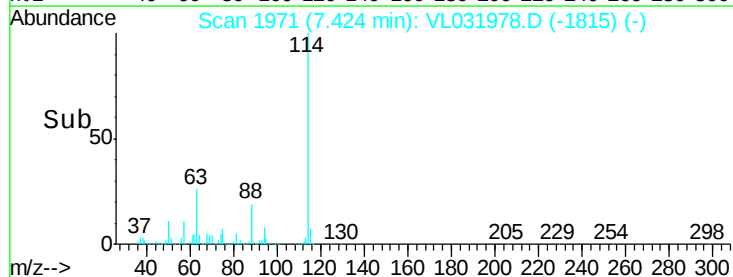
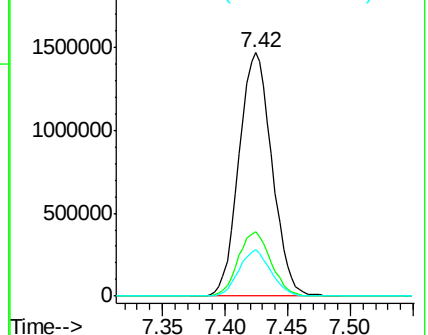
88 18.4 14.6 21.8

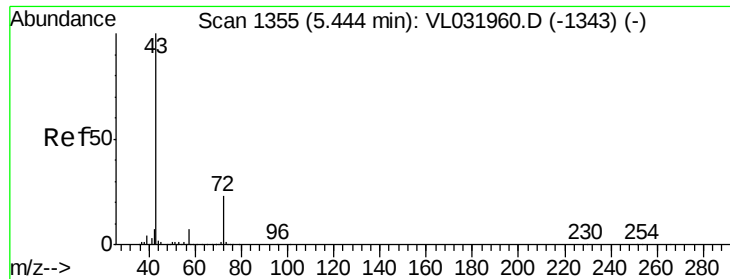


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.52 ppbv

RT: 5.46 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

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ClientSampleId :

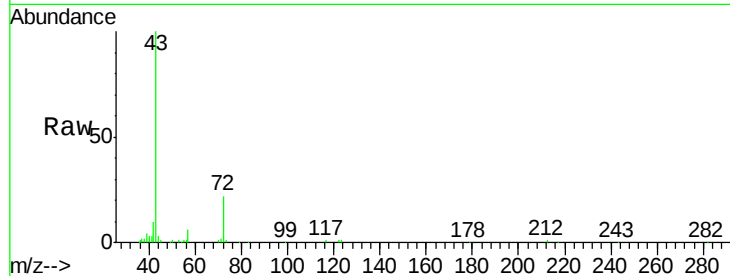
SG2DL

Tgt Ion: 43 Resp: 116093

Ion Ratio Lower Upper

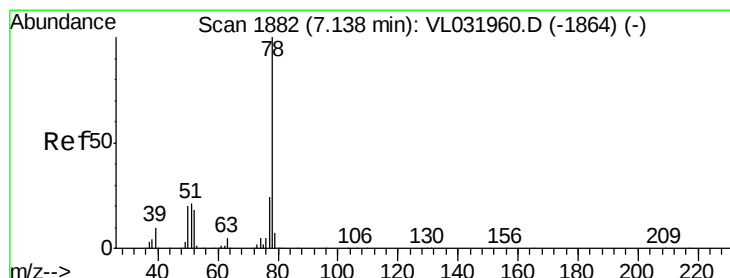
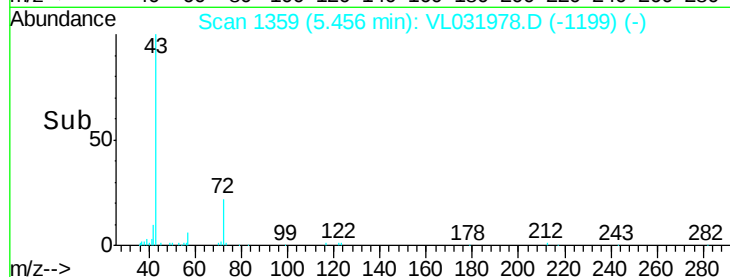
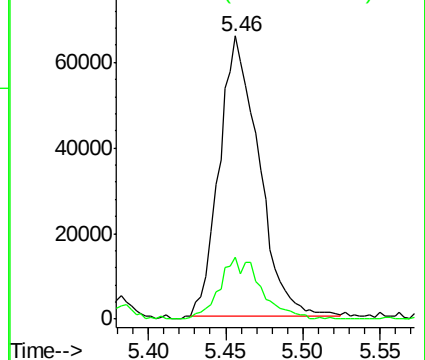
43 100

72 23.2 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#36

Benzene

Concen: 0.02 ppbv

RT: 7.14 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

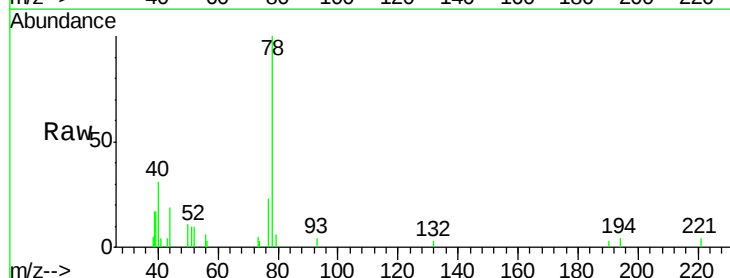
Tgt Ion: 78 Resp: 3819

Ion Ratio Lower Upper

78 100

77 25.4 19.2 28.8

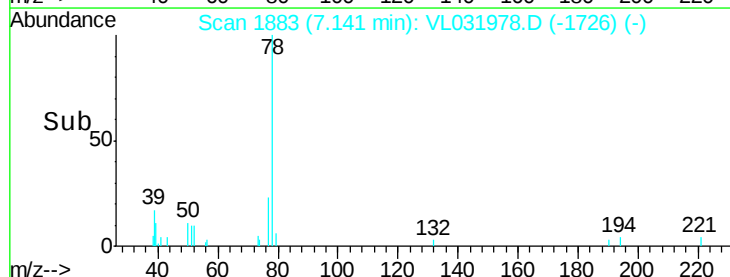
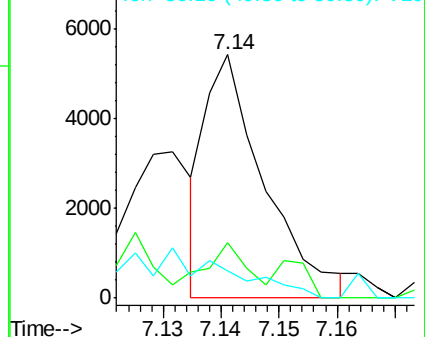
50 12.7 16.2 24.4#

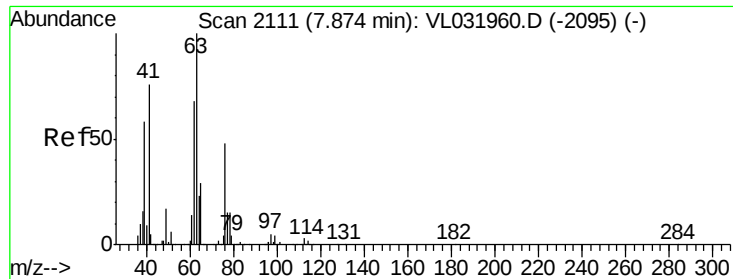


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.92 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.45 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampleId :

SG2DL

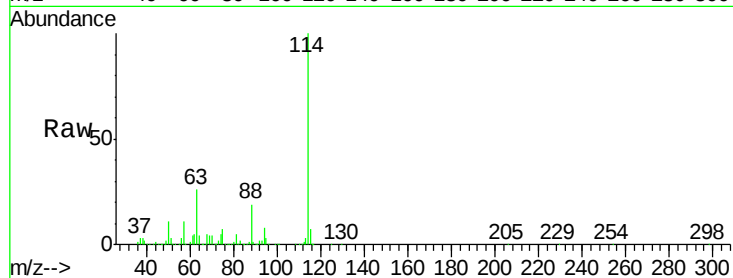
Tgt Ion: 63 Resp: 699764

Ion Ratio Lower Upper

63 100

41 0.2 60.7 91.1#

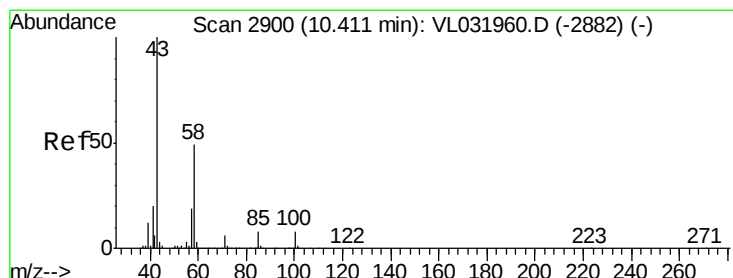
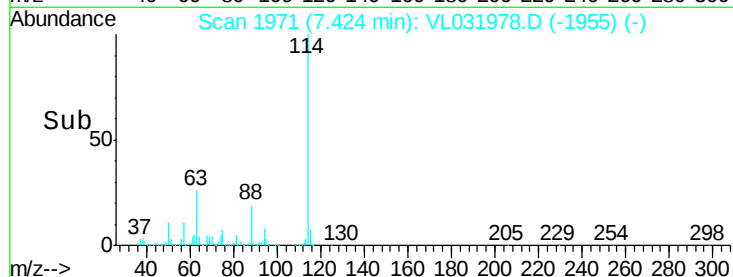
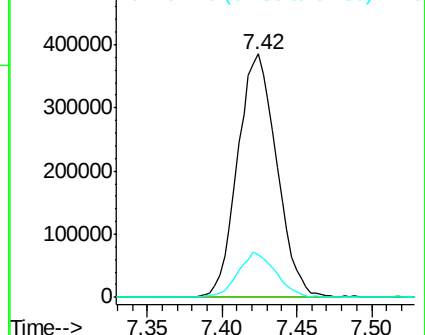
62 17.7 54.7 82.1#



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



#51

2-Hexanone

Concen: 0.14 ppbv

RT: 10.44 min Scan# 2908

Delta R.T. 0.03 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

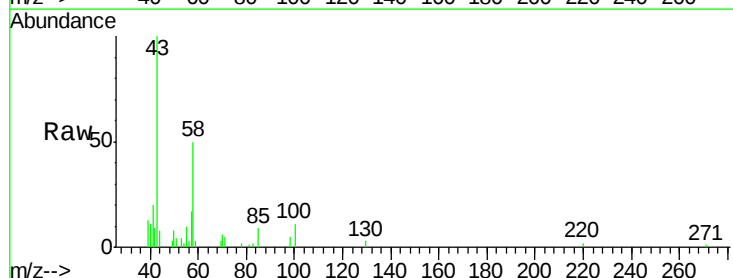
Tgt Ion: 43 Resp: 27460

Ion Ratio Lower Upper

43 100

58 44.2 38.6 58.0

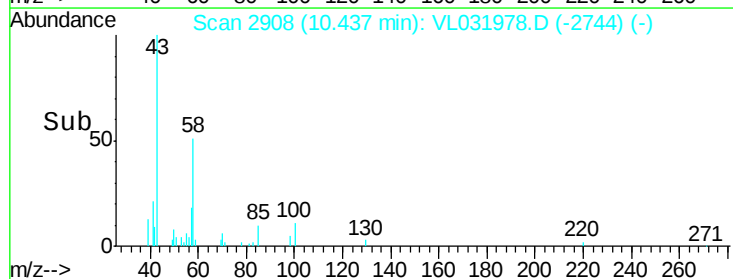
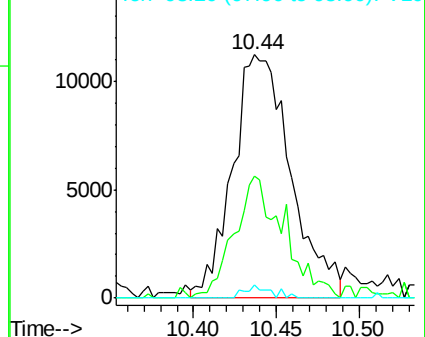
98 2.4 0.2 0.2#

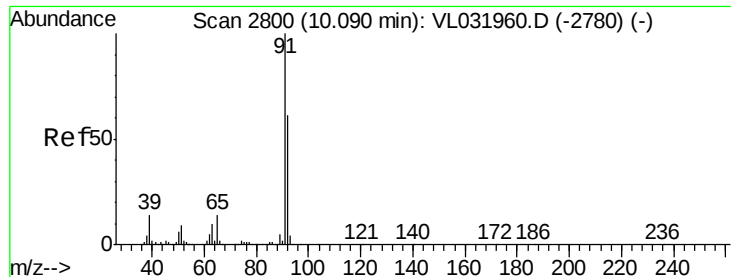


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 0.01 ppbv

RT: 10.09 min Scan# 2801

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampleId :

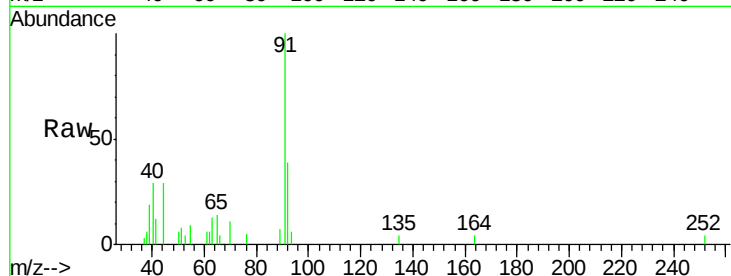
SG2DL

Tgt Ion: 91 Resp: 3972

Ion Ratio Lower Upper

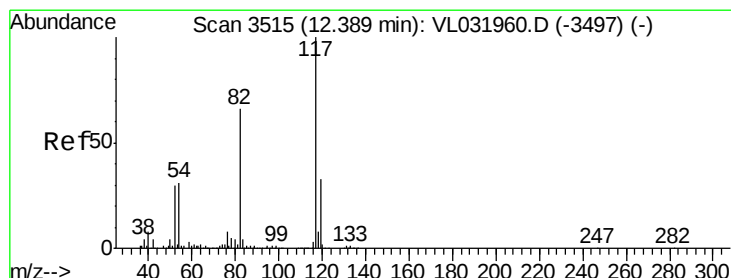
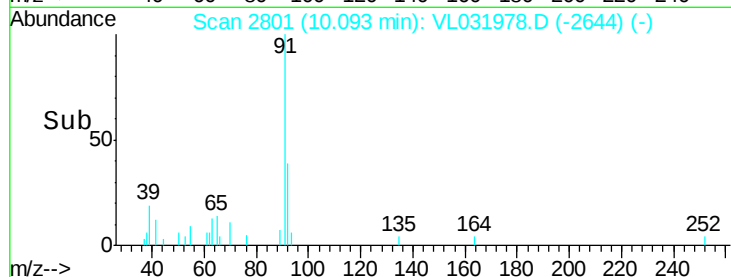
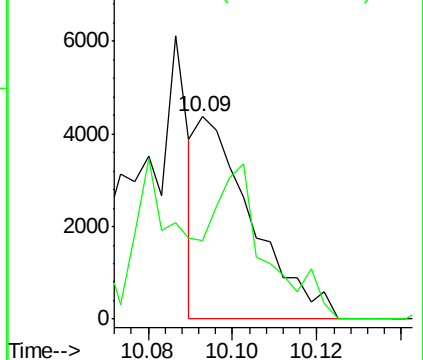
91 100

92 0.0 47.4 71.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

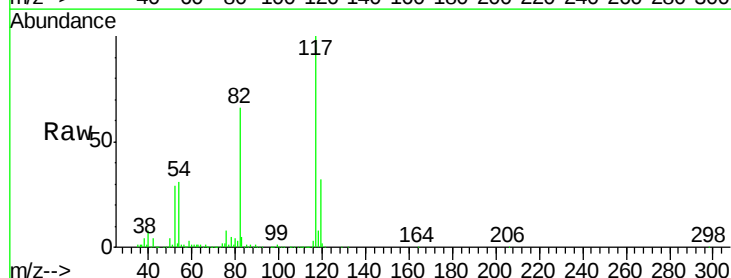
Tgt Ion: 117 Resp: 2678609

Ion Ratio Lower Upper

117 100

82 67.6 51.6 77.4

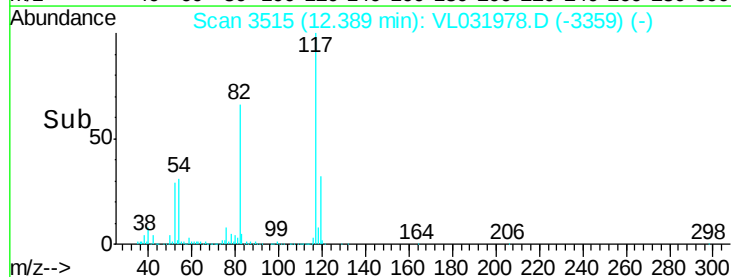
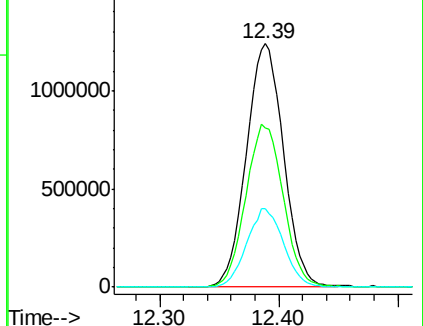
119 32.1 44.2 66.4#

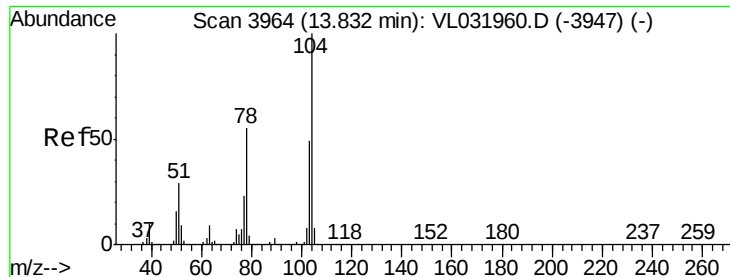


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#61

Styrene

Concen: 0.03 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

Instrument :

MSVOA_L

ClientSampled :

SG2DL

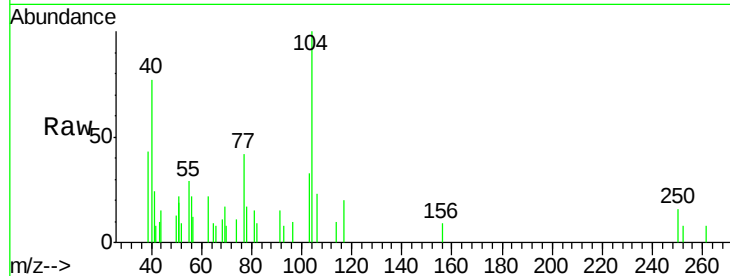
Tgt Ion: 104 Resp: 1708

Ion Ratio Lower Upper

104 100

78 122.0 43.8 65.8#

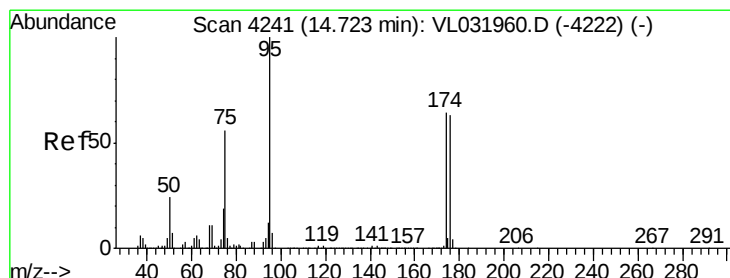
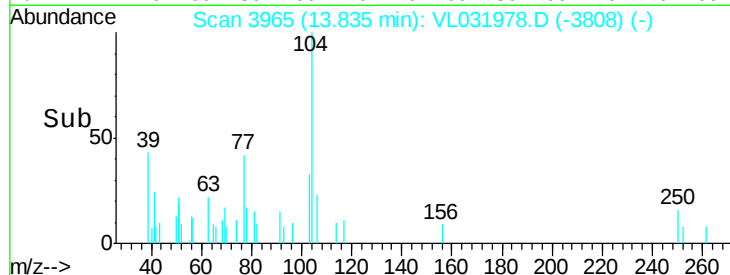
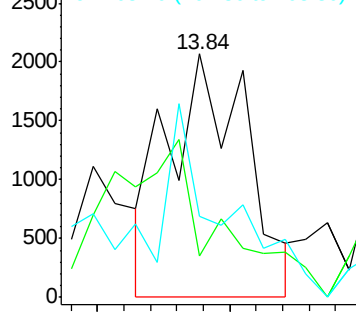
103 99.1 38.4 57.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.18 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. 0.00 min

Lab File: VL031978.D

Acq: 4 May 2018 1:24

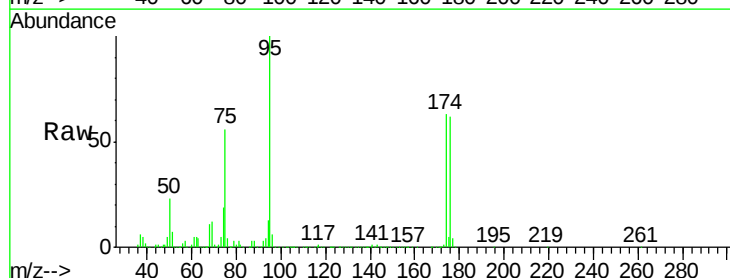
Tgt Ion: 95 Resp: 2113585

Ion Ratio Lower Upper

95 100

174 66.5 53.0 79.6

175 4.8 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

