

Data File : VL032614.D
Acq On : 11 Oct 2018 21:26
Operator : SY/AP
Sample : J5370-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Quant Time: Oct 12 01:56:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1431960	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.32	114	3163725	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3311907	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.61 95 2405512 9.63 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 96.30%

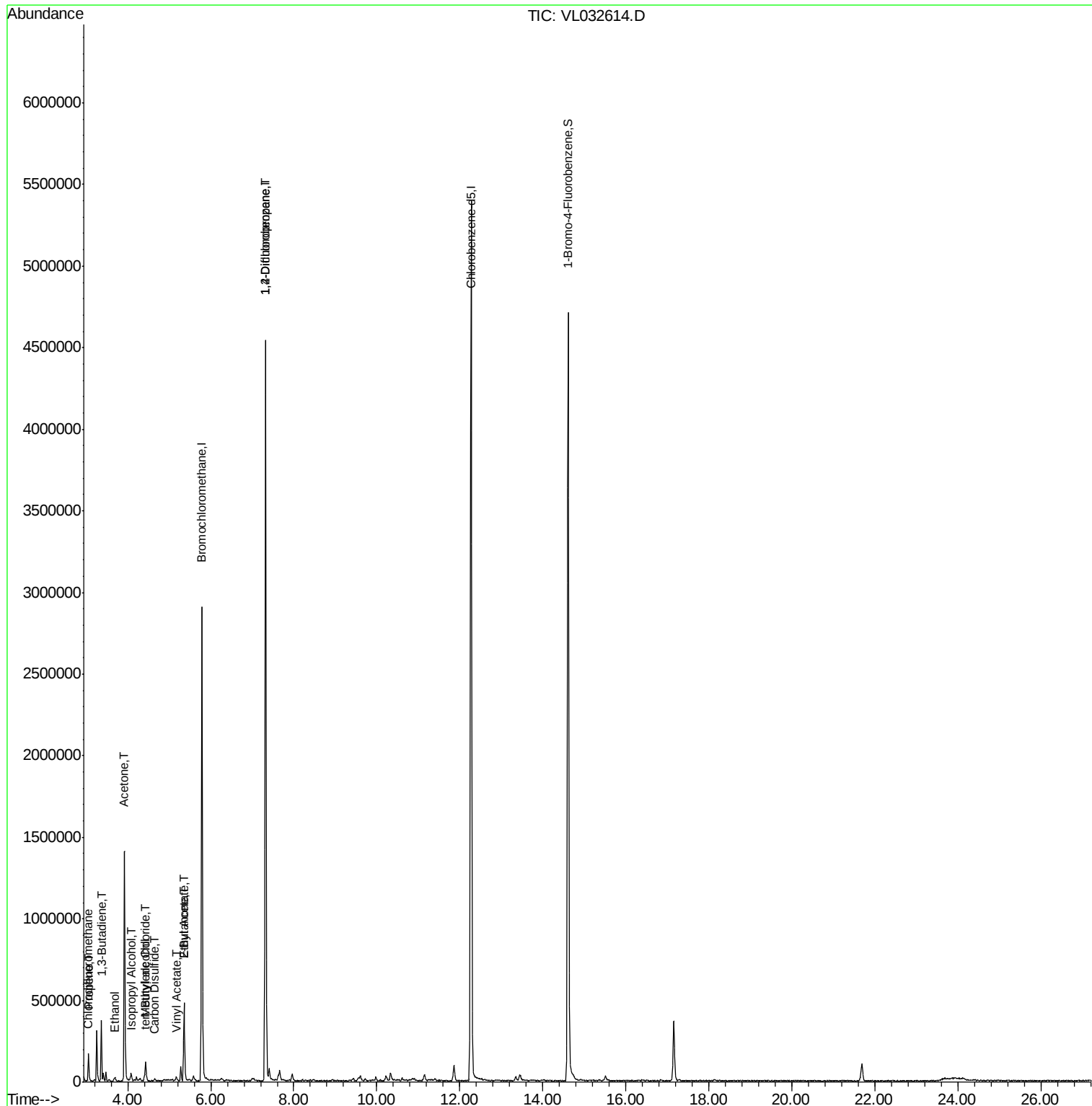
Target Compounds					Qvalue
3) Chlorodifluoromethane	3.03	51	4921	0.041 ppbv #	92
9) Propene	3.05	41	62124	1.202 ppbv	98
13) Ethanol	3.68	45	24604	1.584 ppbv	88
15) Acetone	3.92	43	1455206	11.577 ppbv	96
16) 1,3-Butadiene	3.36	39	86352	1.694 ppbv #	7
17) tert-Butyl alcohol	4.40	59	15836	1.003 ppbv #	100
19) Isopropyl Alcohol	4.07	45	16032	0.183 ppbv #	93
20) Methylene Chloride	4.43	84	34781	0.571 ppbv #	93
23) Vinyl Acetate	5.17	43	12218	0.055 ppbv #	81
25) Ethyl Acetate	5.36	43	540470	1.772 ppbv #	77
27) Carbon Disulfide	4.64	76	5699	0.038 ppbv #	1
34) 2-Butanone	5.36	43	540470	2.869 ppbv	99
39) 1,2-Dichloropropane	7.32	63	848010	7.360 ppbv #	25

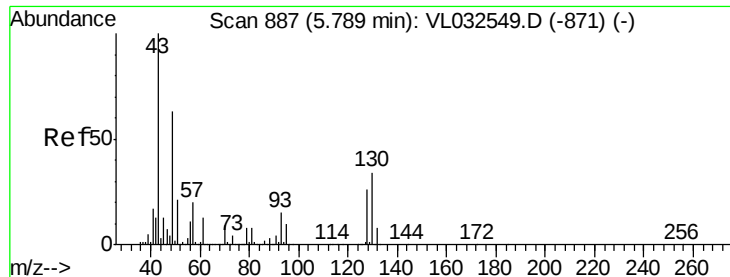
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032614.D
Acq On : 11 Oct 2018 21:26
Operator : SY/AP
Sample : J5370-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Quant Time: Oct 12 01:56:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.03 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

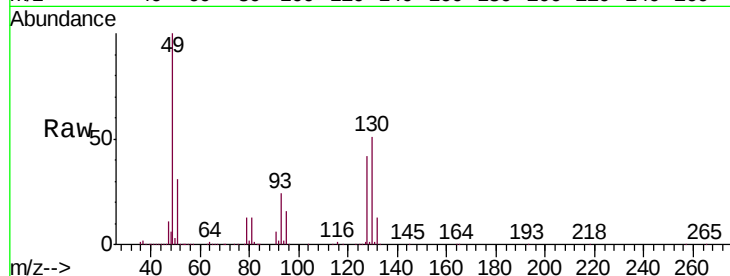
Tgt Ion: 49 Resp: 1431960

Ion Ratio Lower Upper

49 100

128 43.8 20.7 62.1

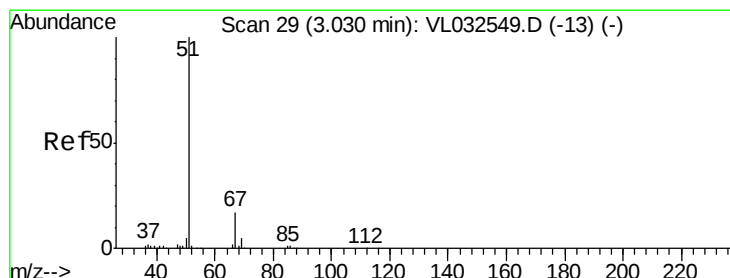
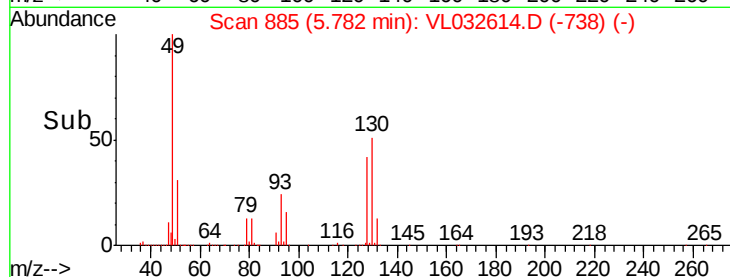
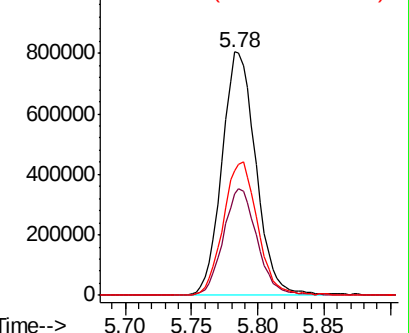
130 56.1 26.6 79.7



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



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032614.D

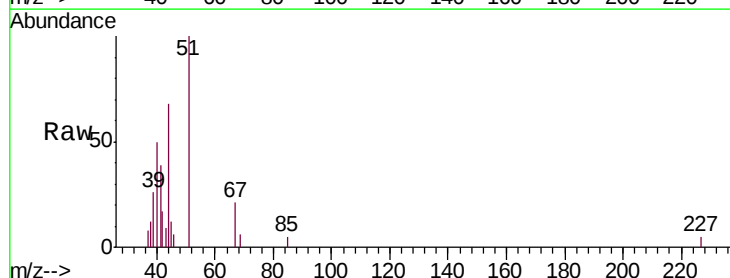
Acq: 11 Oct 2018 21:26

Tgt Ion: 51 Resp: 4921

Ion Ratio Lower Upper

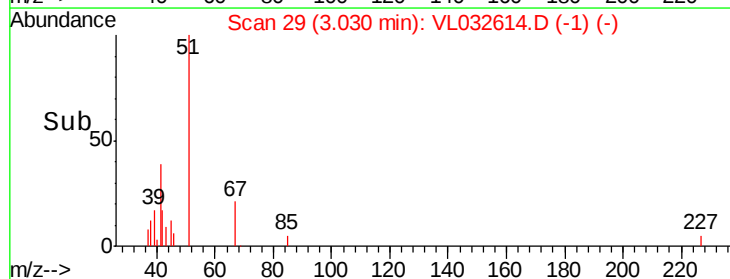
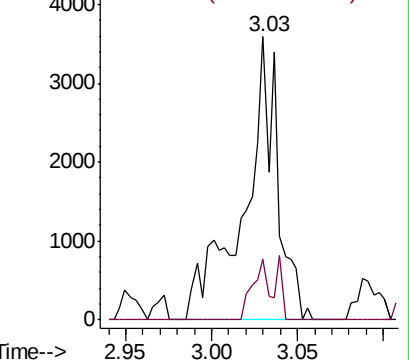
51 100

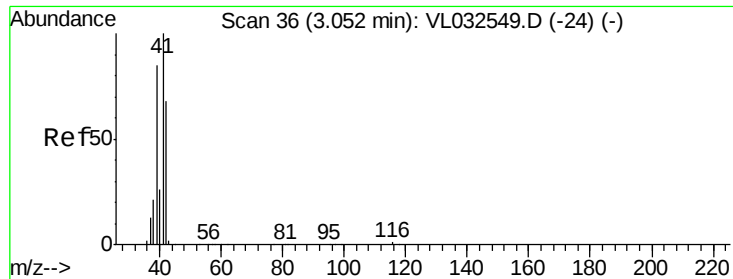
67 13.6 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 1.202 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

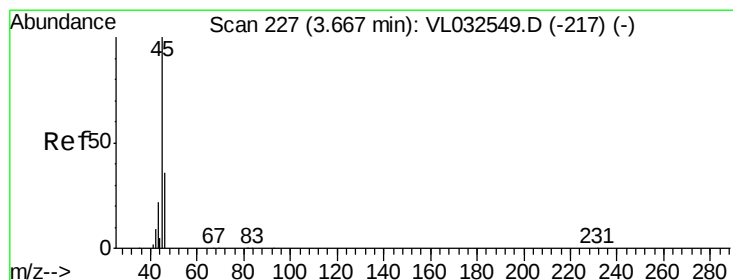
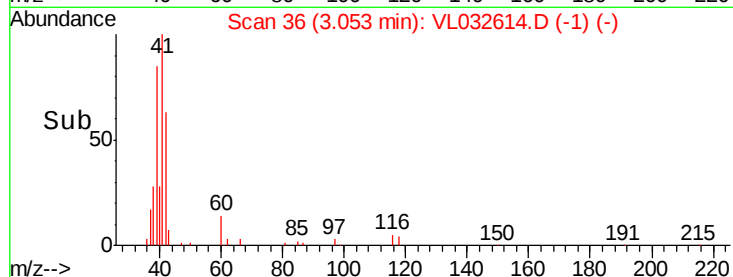
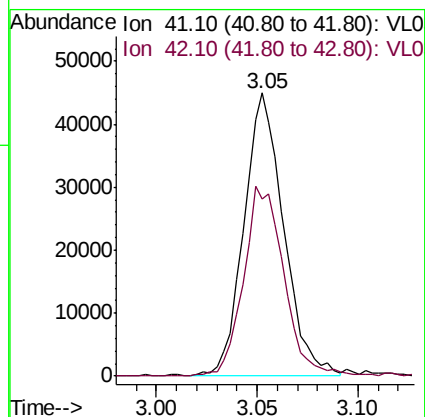
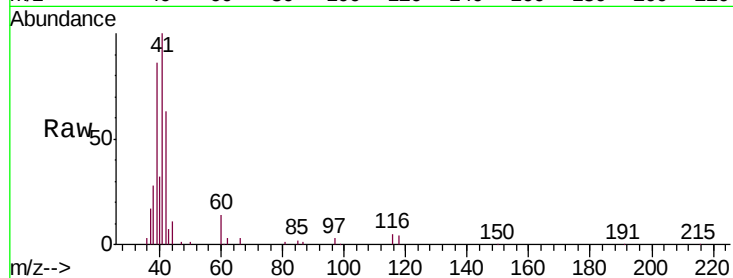
Q1-SVI-100518DL

Tgt Ion: 41 Resp: 62124

Ion Ratio Lower Upper

41 100

42 69.1 56.6 84.8



#13

Ethanol

Concen: 1.584 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032614.D

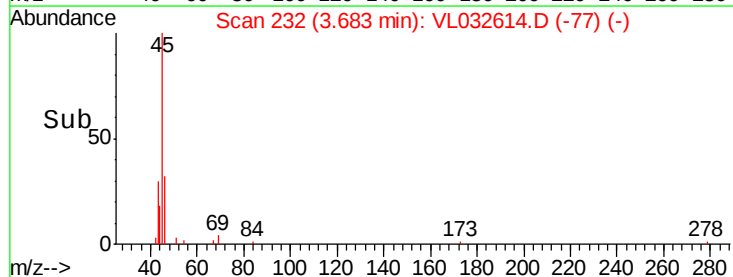
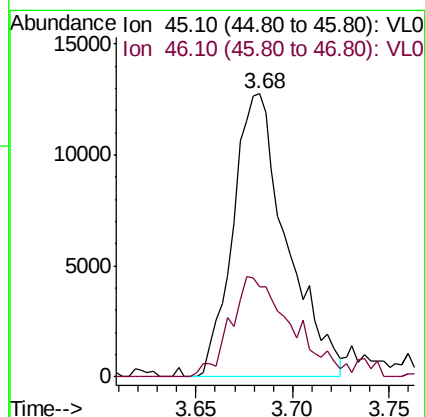
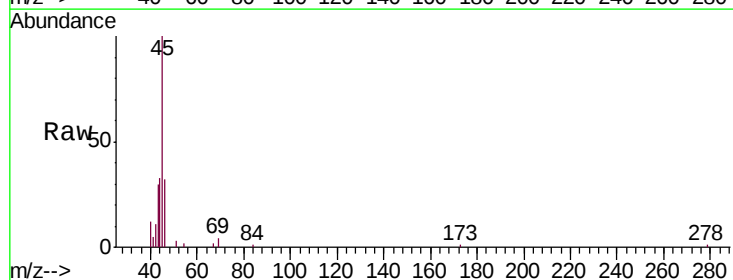
Acq: 11 Oct 2018 21:26

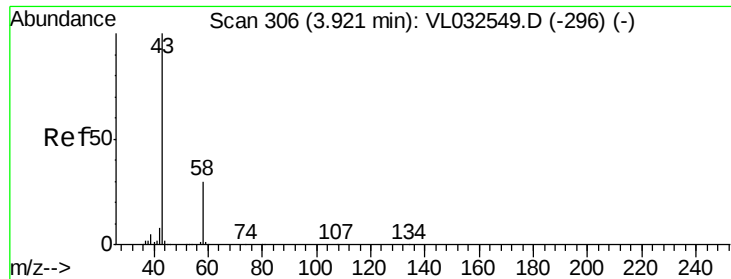
Tgt Ion: 45 Resp: 24604

Ion Ratio Lower Upper

45 100

46 42.3 14.2 56.8





#15

Acetone

Concen: 11.577 ppbv

RT: 3.92 min Scan# 305

Delta R.T. -0.02 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

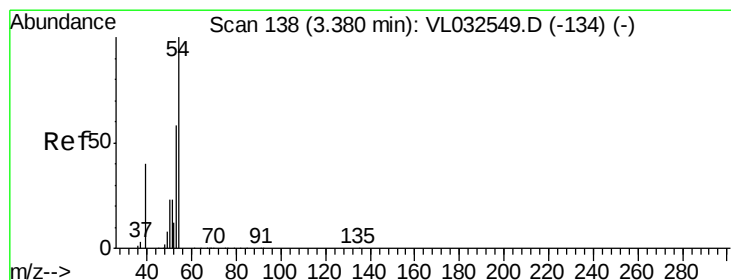
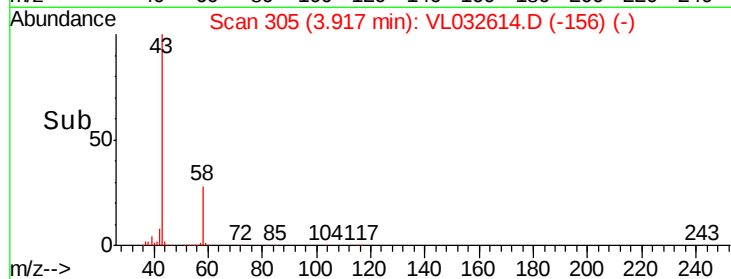
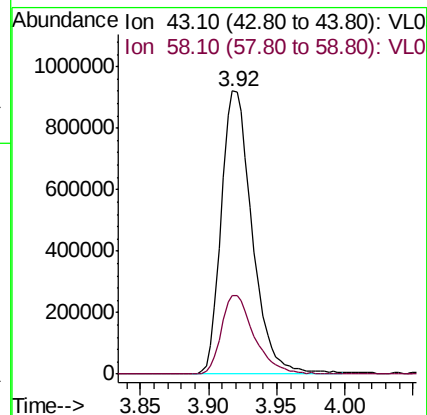
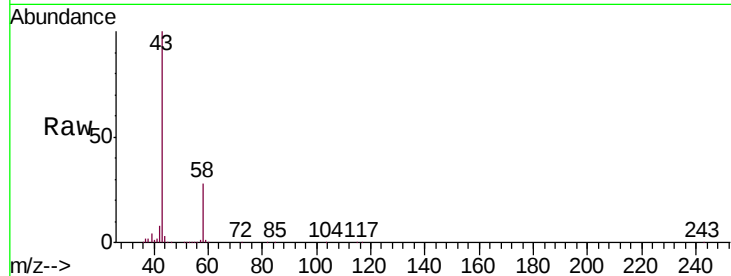
Q1-SVI-100518DL

Tgt Ion: 43 Resp: 1455206

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8



#16

1,3-Butadiene

Concen: 1.694 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.04 min

Lab File: VL032614.D

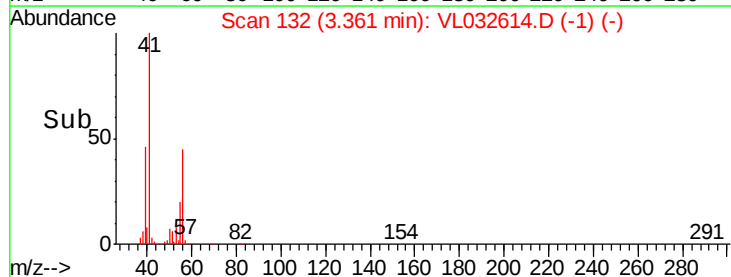
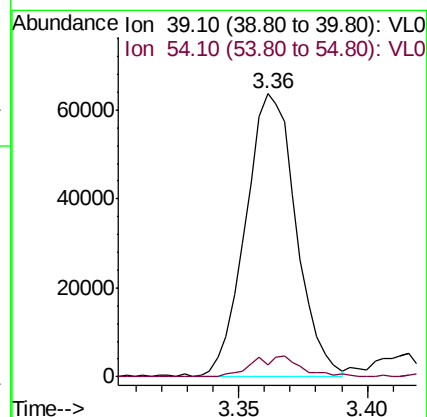
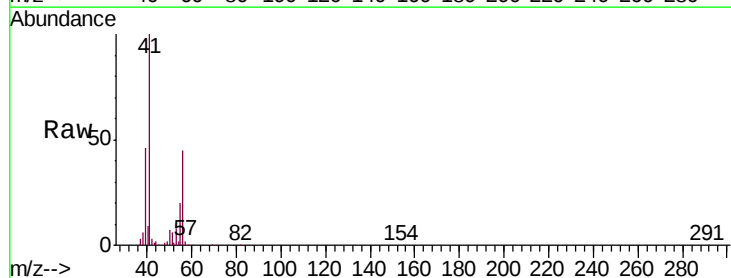
Acq: 11 Oct 2018 21:26

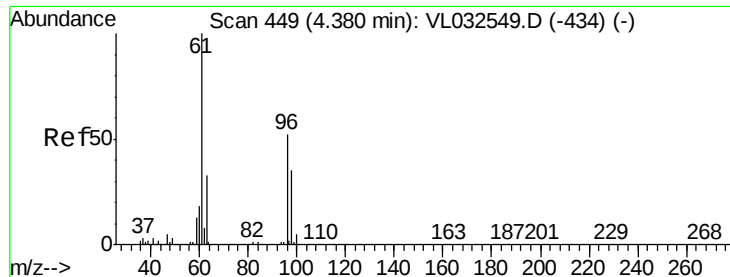
Tgt Ion: 39 Resp: 86352

Ion Ratio Lower Upper

39 100

54 7.4 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 1.003 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

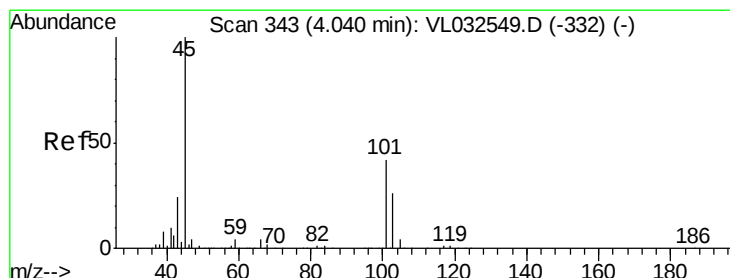
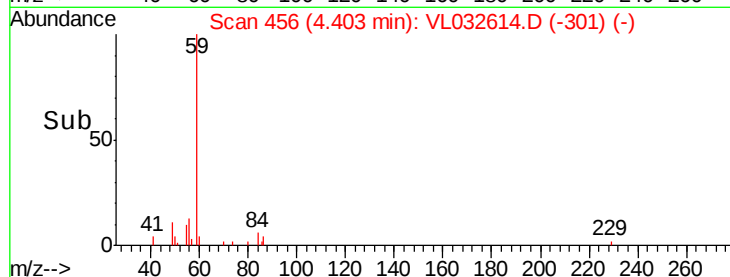
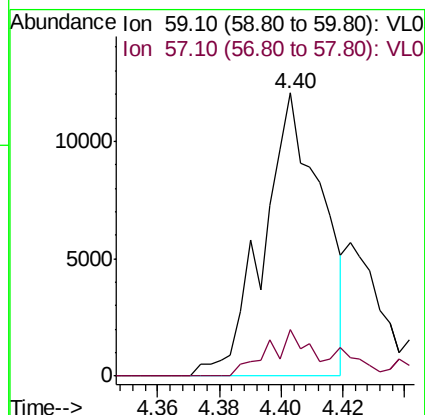
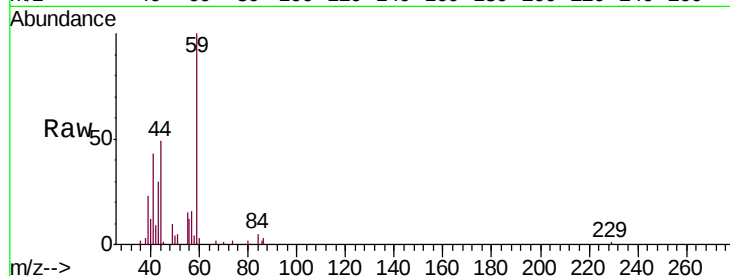
Q1-SVI-100518DL

Tgt Ion: 59 Resp: 15836

Ion Ratio Lower Upper

59 100

57 19.4 0.0 0.0#



#19

Isopropyl Alcohol

Concen: 0.183 ppbv

RT: 4.07 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL032614.D

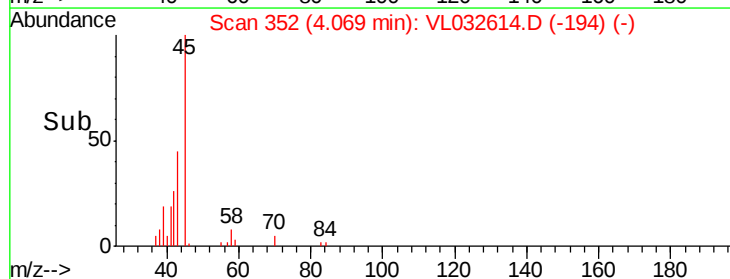
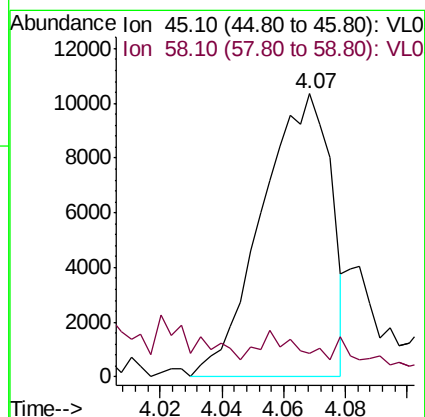
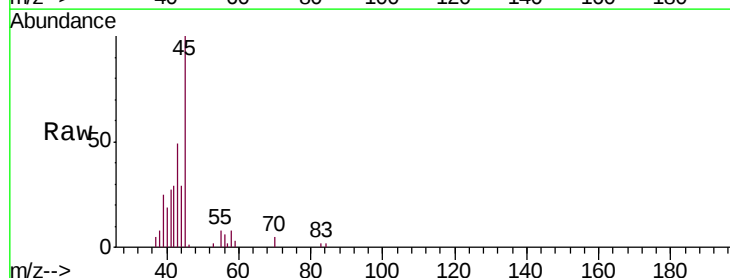
Acq: 11 Oct 2018 21:26

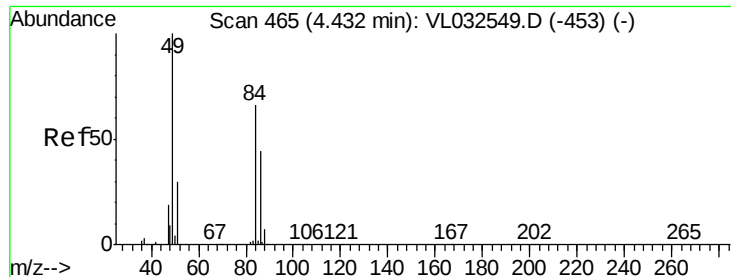
Tgt Ion: 45 Resp: 16032

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

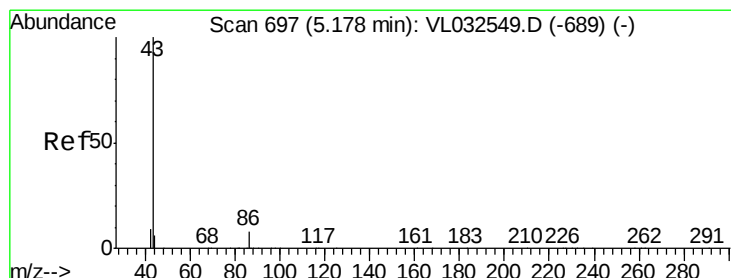
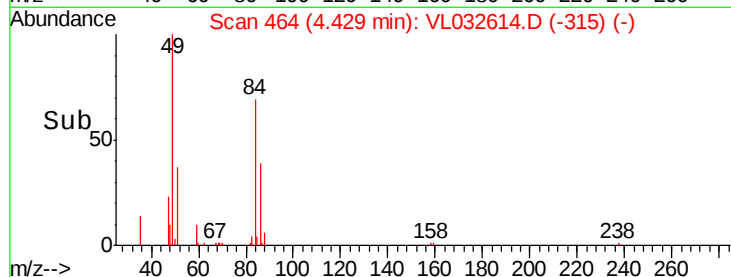
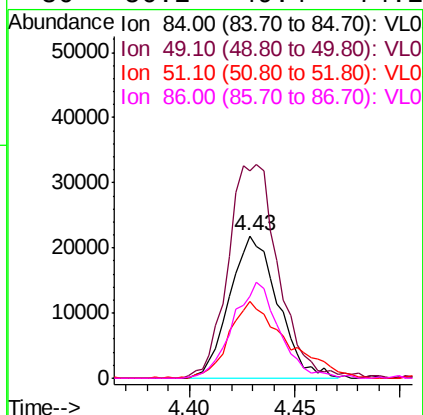
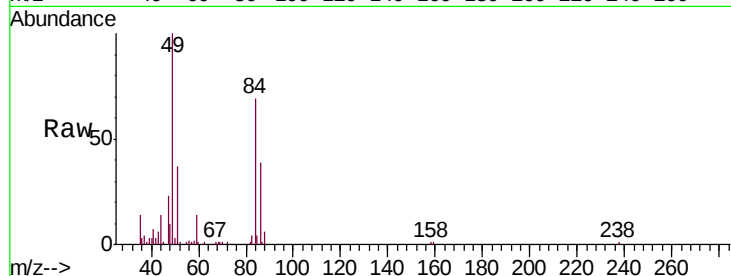




#20
Methylene Chloride
Concen: 0.571 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032614.D
Acq: 11 Oct 2018 21:26

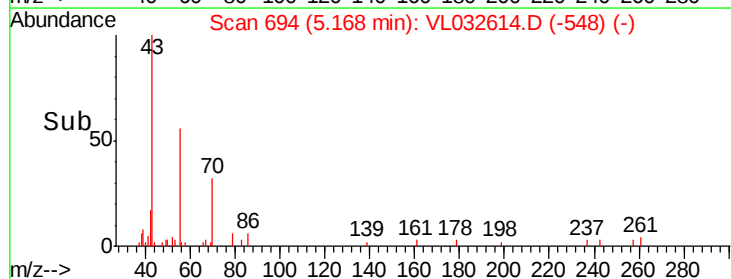
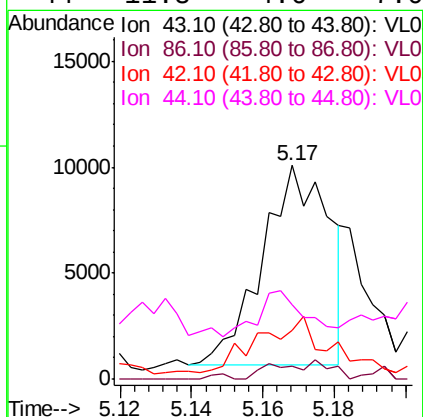
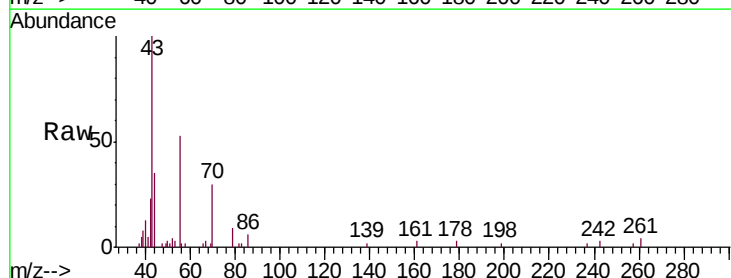
Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

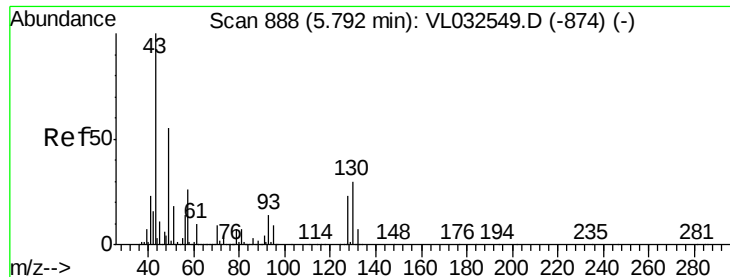
Tgt Ion: 84 Resp: 34781
Ion Ratio Lower Upper
84 100
49 143.9 119.1 178.7
51 54.1 35.2 52.8#
86 56.2 49.4 74.2



#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 5.17 min Scan# 694
Delta R.T. -0.03 min
Lab File: VL032614.D
Acq: 11 Oct 2018 21:26

Tgt Ion: 43 Resp: 12218
Ion Ratio Lower Upper
43 100
86 6.4 5.9 8.9
42 20.5 6.9 10.3#
44 11.8 4.6 7.0#

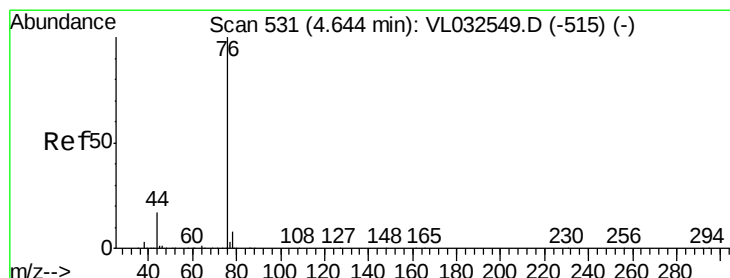
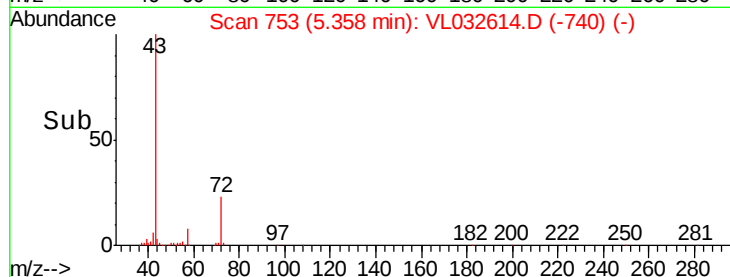
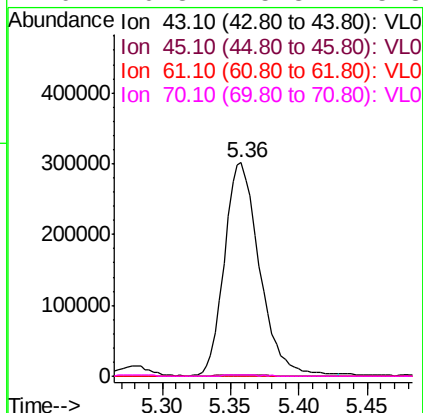
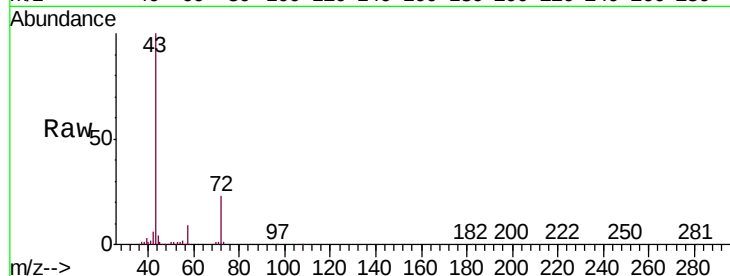




#25
Ethyl Acetate
Concen: 1.772 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.46 min
Lab File: VL032614.D
Acq: 11 Oct 2018 21:26

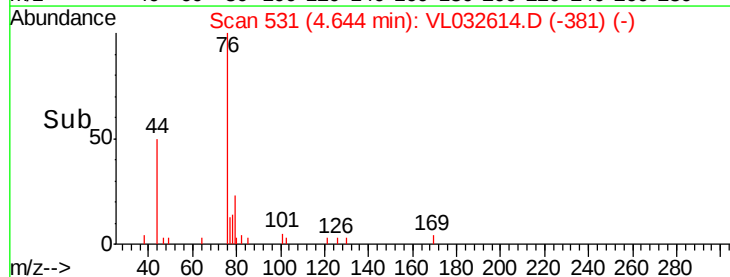
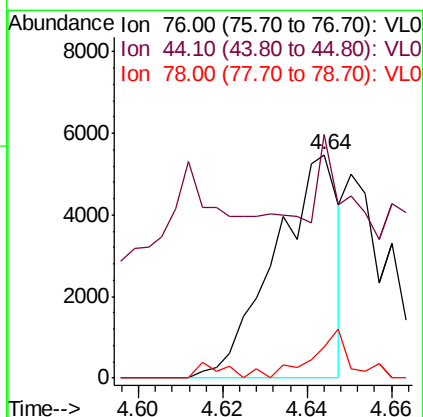
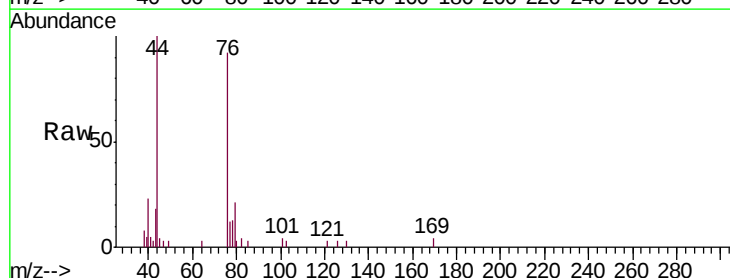
Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

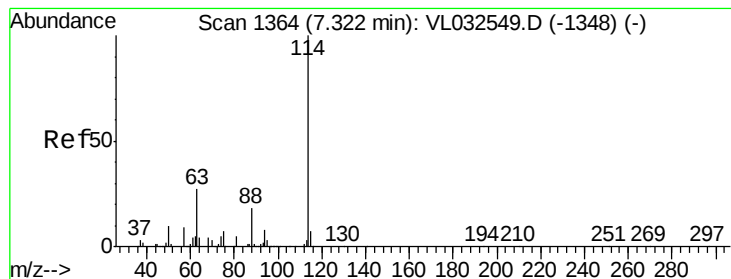
Tgt Ion:	43	Resp:	540470
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.0	12.0#
61	0.0	7.6	11.4#
70	0.8	5.8	8.8#



#27
Carbon Disulfide
Concen: 0.038 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032614.D
Acq: 11 Oct 2018 21:26

Tgt Ion:	76	Resp:	5699
Ion	Ratio	Lower	Upper
76	100		
44	134.5	14.0	21.0#
78	0.0	7.5	11.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

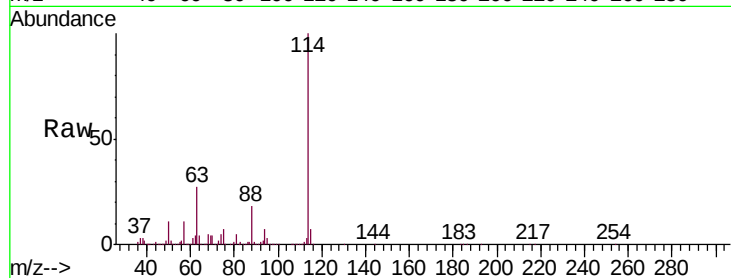
Tgt Ion: 114 Resp: 3163725

Ion Ratio Lower Upper

114 100

63 26.9 22.2 33.4

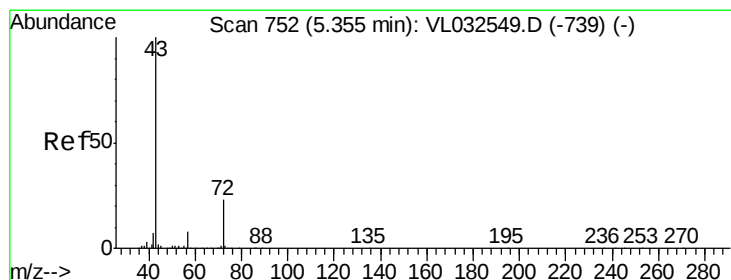
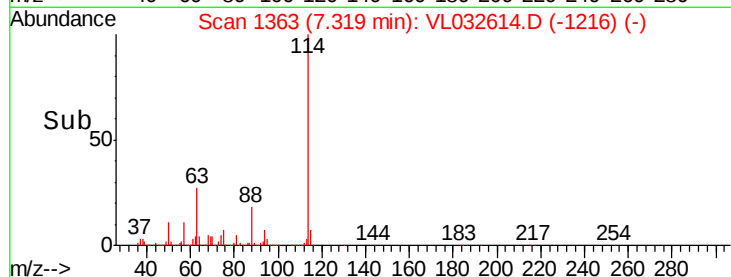
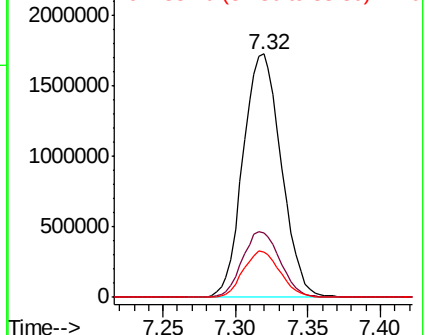
88 18.4 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.869 ppbv

RT: 5.36 min Scan# 753

Delta R.T. -0.01 min

Lab File: VL032614.D

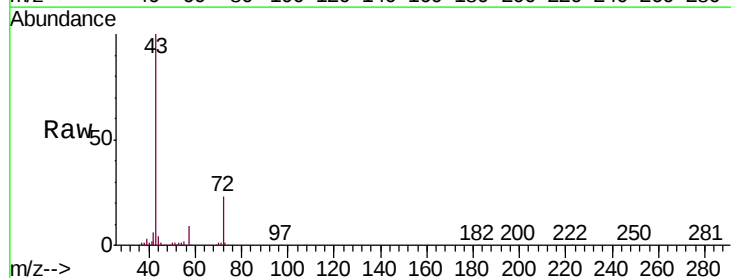
Acq: 11 Oct 2018 21:26

Tgt Ion: 43 Resp: 540470

Ion Ratio Lower Upper

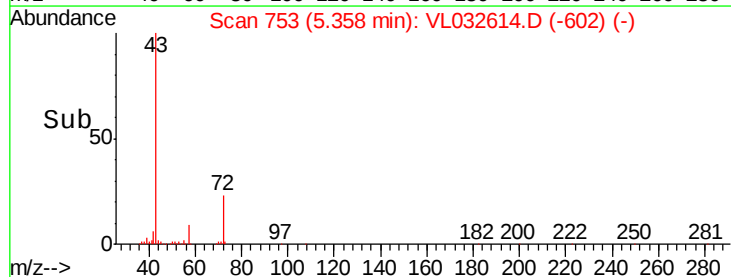
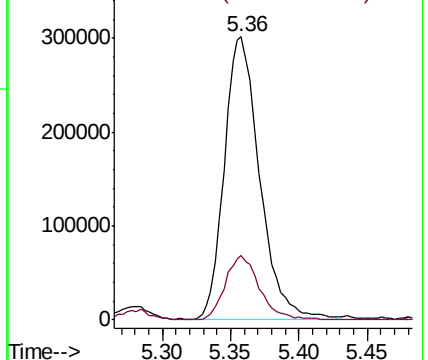
43 100

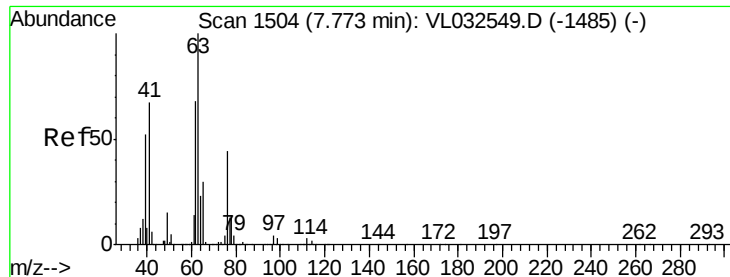
72 22.5 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

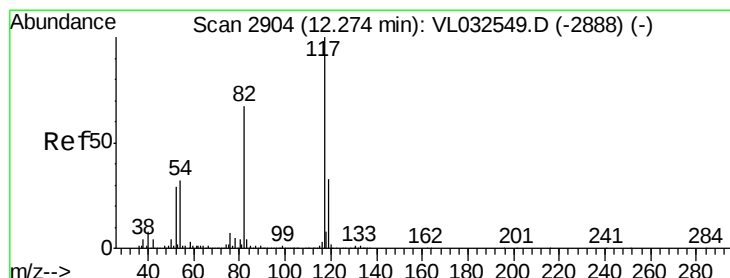
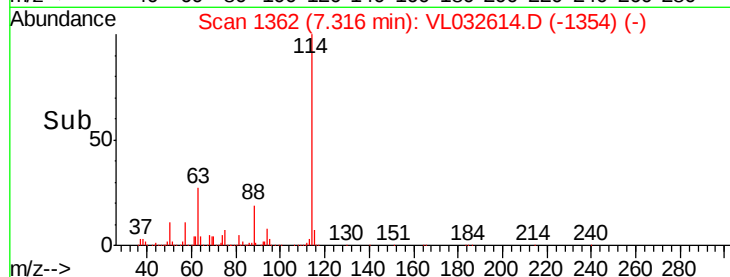
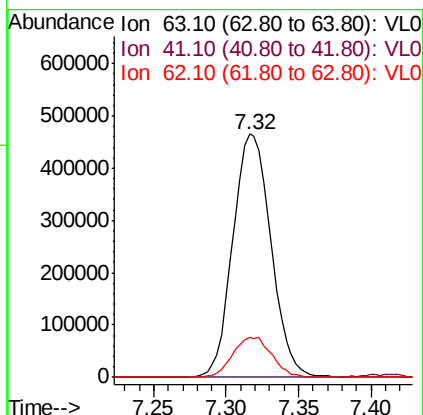
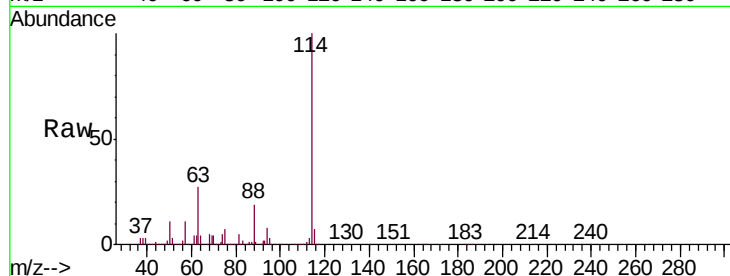




#39
 1,2-Dichloropropane
 Concen: 7.360 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL032614.D
 Acq: 11 Oct 2018 21:26

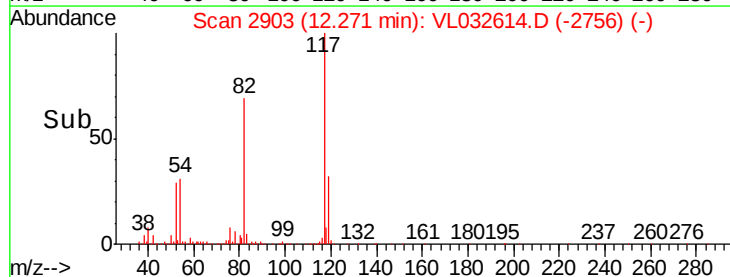
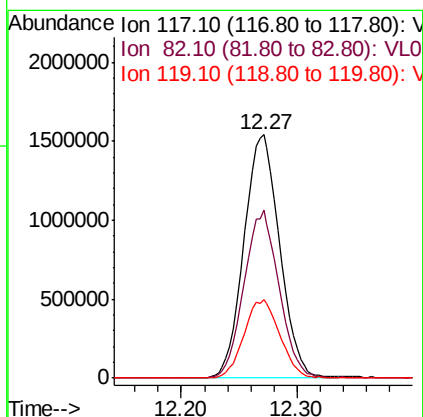
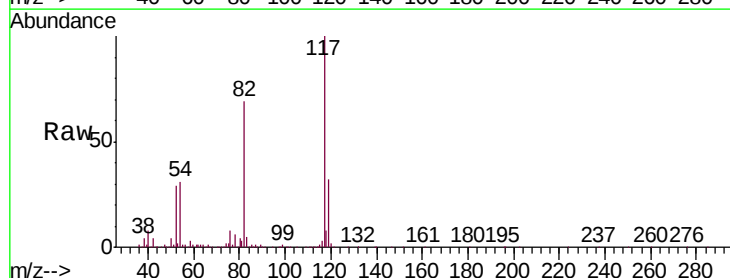
Instrument :
 MSVOA_L
 ClientSampleId :
 Q1-SVI-100518DL

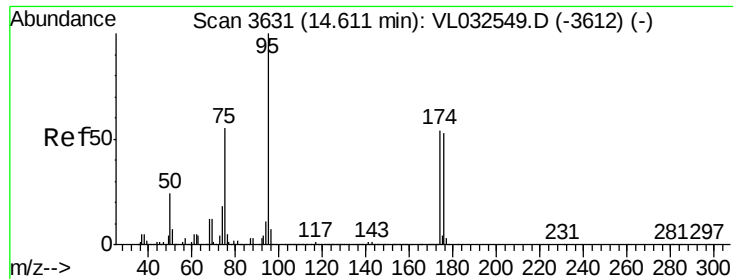
Tgt Ion: 63 Resp: 848010
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.4 83.0#
 62 16.4 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.27 min Scan# 2903
 Delta R.T. -0.03 min
 Lab File: VL032614.D
 Acq: 11 Oct 2018 21:26

Tgt Ion: 117 Resp: 3311907
 Ion Ratio Lower Upper
 117 100
 82 68.0 53.0 79.6
 119 32.4 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.631 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032614.D

Acq: 11 Oct 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

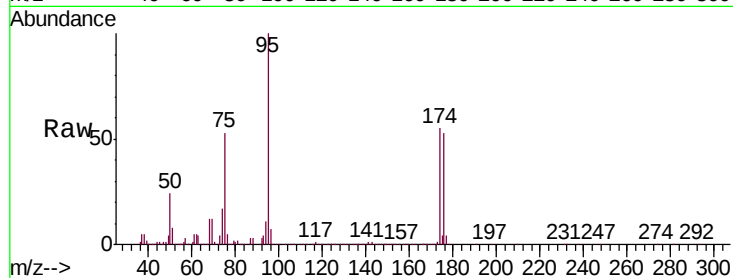
Tgt Ion: 95 Resp: 2405512

Ion Ratio Lower Upper

95 100

174 57.6 46.3 69.5

175 4.2 3.4 5.0



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

