

Data File : VL032605.D
Acq On : 11 Oct 2018 15:24
Operator : SY/AP
Sample : J5316-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-1

Quant Time: Oct 12 01:54:18 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	5.80	49	1522889	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3218384	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3436359	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2451288	9.46	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	17986	0.128	ppbv	89
3) Chlorodifluoromethane	3.03	51	17985	0.142	ppbv #	82
4) Chloromethane	3.19	50	99042	1.341	ppbv	95
6) Bromomethane	3.53	94	6248	0.153	ppbv #	71
7) Chloroethane	3.62	64	5639	0.212	ppbv	98
9) Propene	3.05	41	412077	7.499	ppbv	95
11) Trichlorofluoromethane	4.02	101	101869	0.608	ppbv	94
13) Ethanol	3.68	45	129099	7.816	ppbv	97
15) Acetone	3.93	43	22867419	171.066	ppbv #	61
16) 1,3-Butadiene	3.36	39	3025558	55.811	ppbv #	6
17) tert-Butyl alcohol	4.38	59	582916	34.702	ppbv #	100
19) Isopropyl Alcohol	4.05	45	106930	1.148	ppbv #	93
20) Methylene Chloride	4.44	84	56293	0.870	ppbv	94
23) Vinyl Acetate	5.18	43	504915	2.138	ppbv #	91
25) Ethyl Acetate	5.80	43	500820	1.544	ppbv #	80
26) Hexane	5.80	57	687698	4.694	ppbv #	40
27) Carbon Disulfide	4.64	76	27159	0.172	ppbv	96
29) Chloroform	5.89	83	31978	0.142	ppbv	87
34) 2-Butanone	5.36	43	1730612	9.030	ppbv	98
36) Benzene	7.04	78	274682	1.056	ppbv	96
39) 1,2-Dichloropropane	7.33	63	844636	7.206	ppbv #	25
41) Tetrahydrofuran	6.45	42	65322	0.627	ppbv #	39
43) Methyl Methacrylate	8.21	69	30174	0.278	ppbv	81
44) 2,2,4-Trimethylpentane	8.03	57	40985	0.081	ppbv #	43
50) 4-Methyl-2-Pentanone	8.91	43	70227	0.233	ppbv	99
51) 2-Hexanone	10.31	43	427854	1.717	ppbv #	97
52) Tetrachloroethene	11.41	164	102947	1.137	ppbv	95
53) Toluene	9.99	91	24375707	76.906	ppbv #	83
58) Ethyl Benzene	12.90	91	4639404	11.130	ppbv	99
59) m/p-Xylene	13.16	91	12724304	34.309	ppbv	96
60) o-Xylene	13.88	91	3941145	10.915	ppbv	98
61) Styrene	13.72	104	43513	0.184	ppbv #	84
62) Isopropylbenzene	14.86	105	73315	0.144	ppbv	94
64) n-propylbenzene	15.75	120	12728	0.097	ppbv #	1
65) tert-Butylbenzene	16.95	119	20831	0.048	ppbv #	1
69) p-Isopropyltoluene	17.86	119	67989	0.135	ppbv #	7
71) 2-Chlorotoluene	15.51	91	54046	0.139	ppbv	68
72) 4-Ethyltoluene	16.03	105	193901	0.495	ppbv #	83
73) 1,3,5-Trimethylbenzene	16.19	105	113239	0.297	ppbv	89
74) 1,2,4-Trimethylbenzene	16.96	105	623529	1.520	ppbv #	68
79) Naphthalene	22.46	128	254276	0.860	ppbv #	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\
Quantitation Report (Not Reviewed)

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QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.09	142	4221	0.061	ppbv	# 26

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

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Sample : J5316-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampled :

SV-1

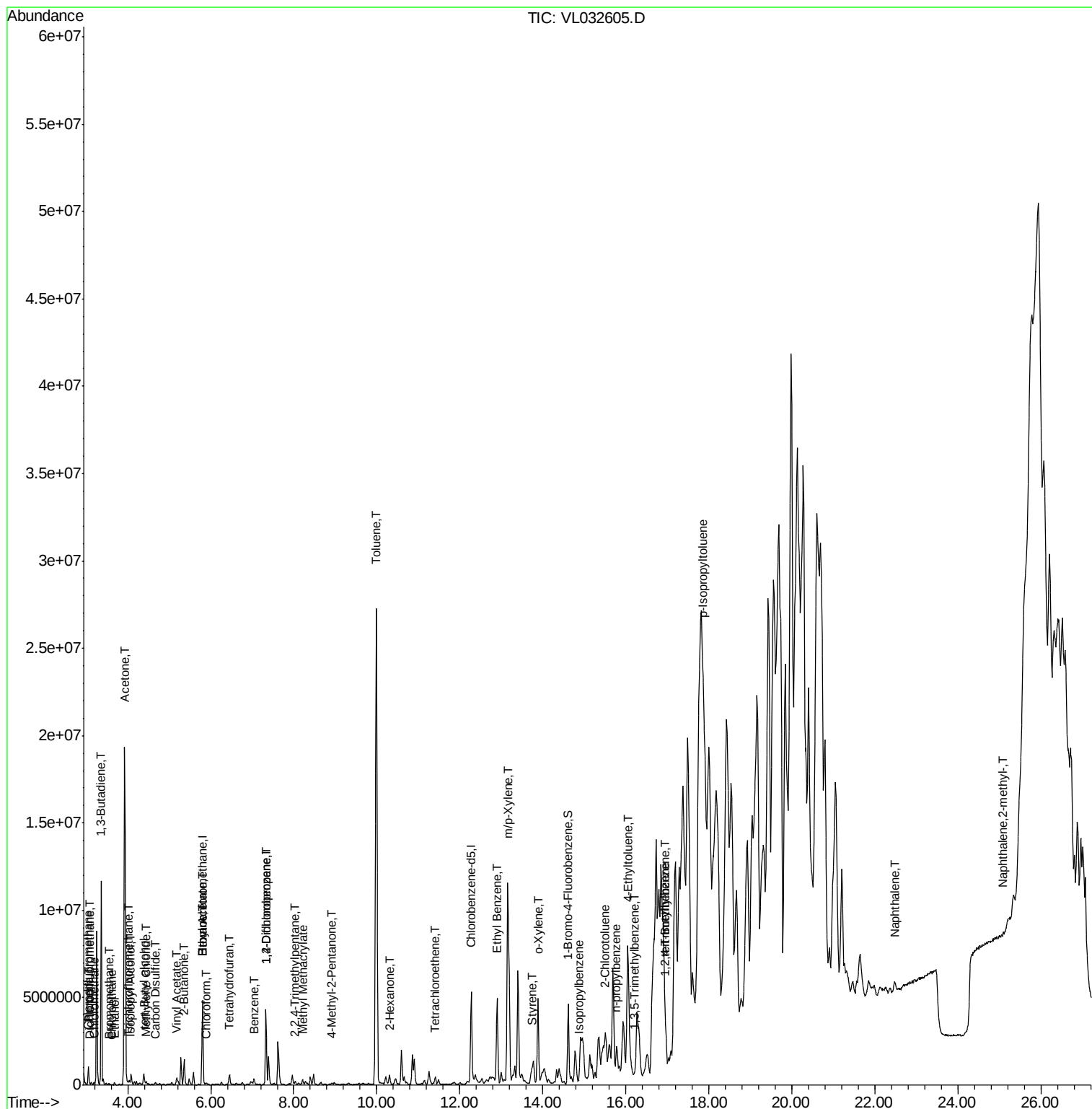
Quant Time: Oct 12 01:54:18 2018

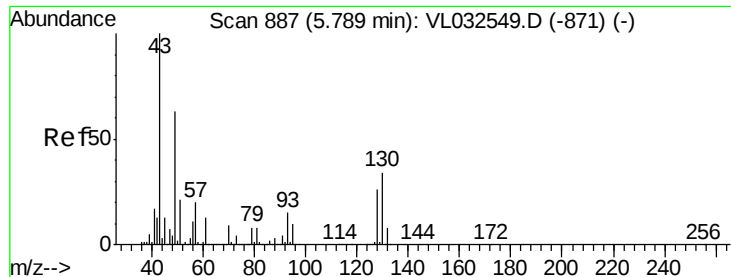
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M

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: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

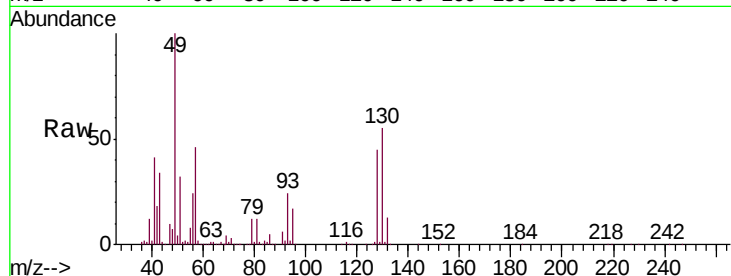
Tgt Ion: 49 Resp: 1522889

Ion Ratio Lower Upper

49 100

128 43.7 20.7 62.1

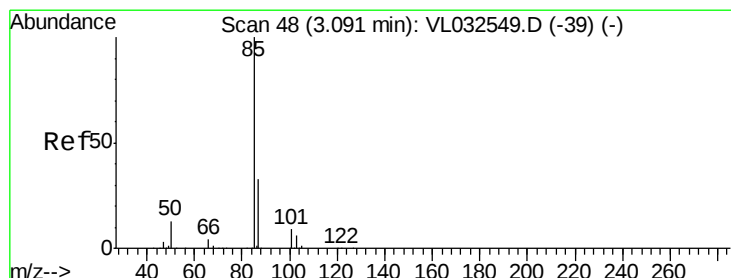
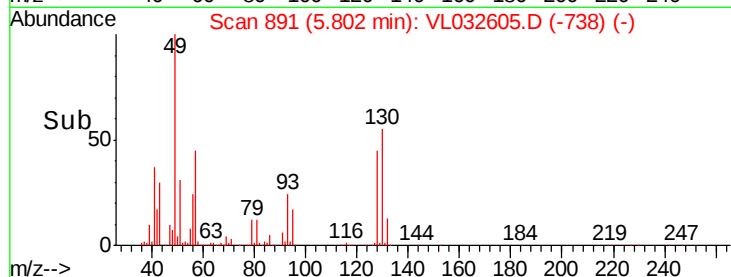
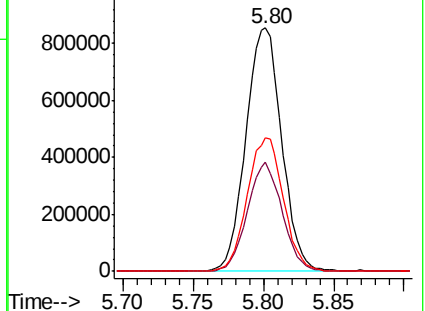
130 55.5 26.6 79.7



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



#2

Dichlorodifluoromethane

Concen: 0.128 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032605.D

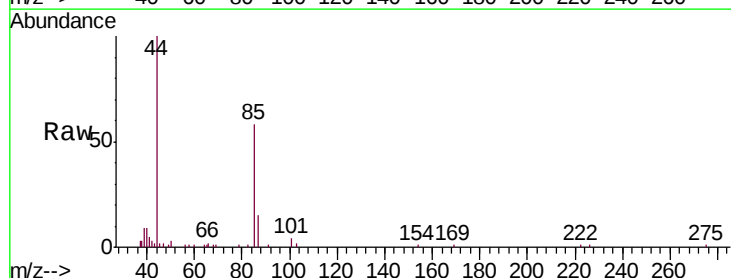
Acq: 11 Oct 2018 15:24

Tgt Ion: 85 Resp: 17986

Ion Ratio Lower Upper

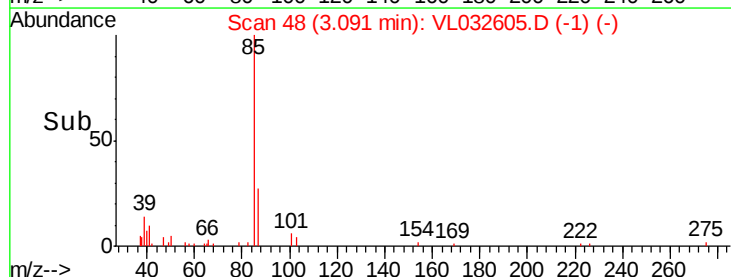
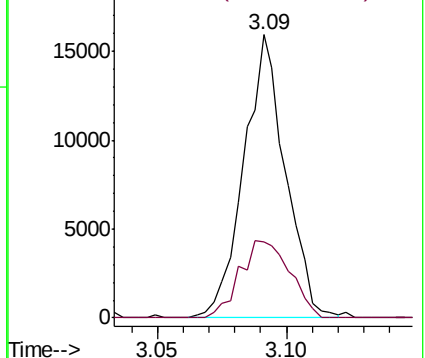
85 100

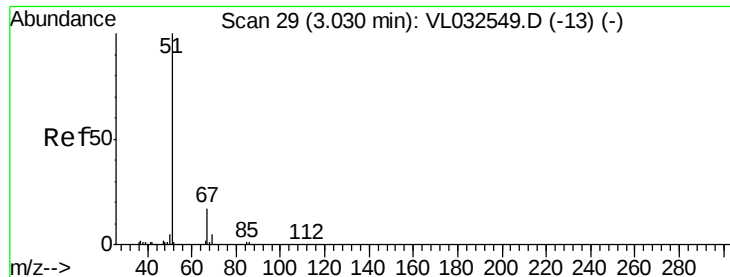
87 26.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.142 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

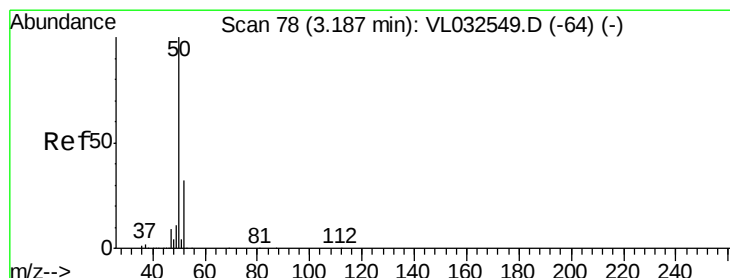
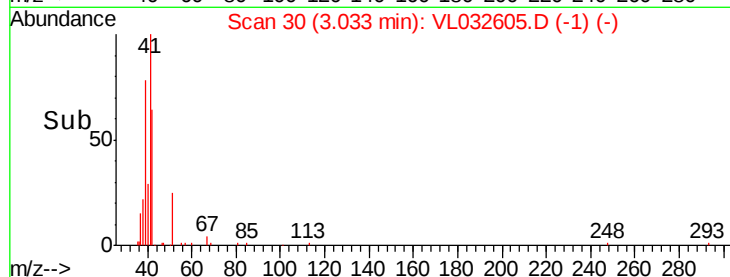
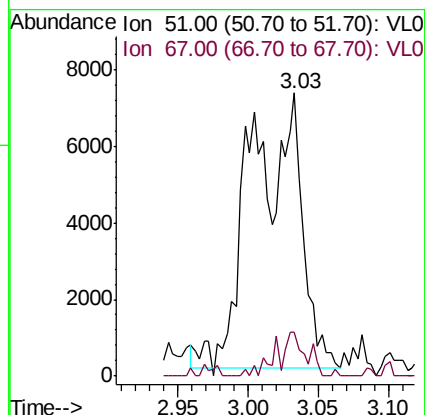
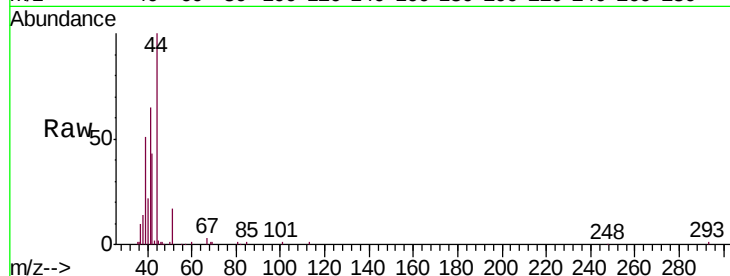
SV-1

Tgt Ion: 51 Resp: 17985

Ion Ratio Lower Upper

51 100

67 9.4 13.8 20.8#



#4

Chloromethane

Concen: 1.341 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032605.D

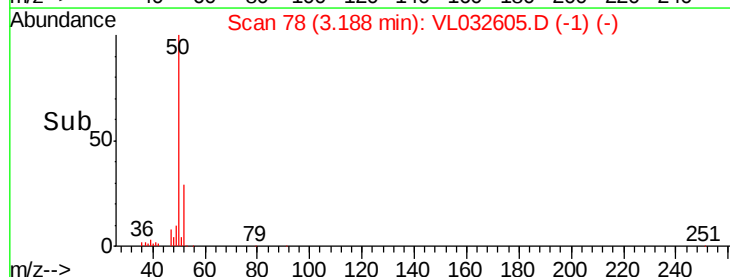
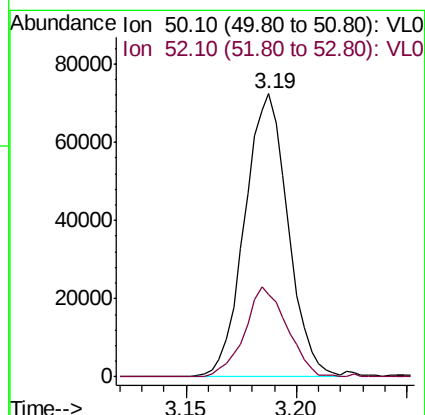
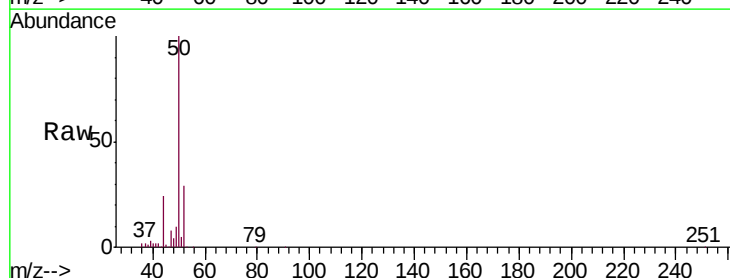
Acq: 11 Oct 2018 15:24

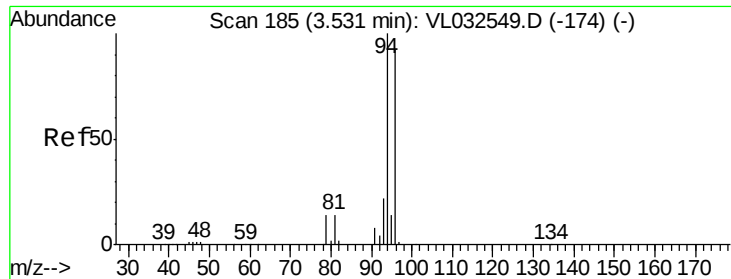
Tgt Ion: 50 Resp: 99042

Ion Ratio Lower Upper

50 100

52 29.0 25.6 38.4

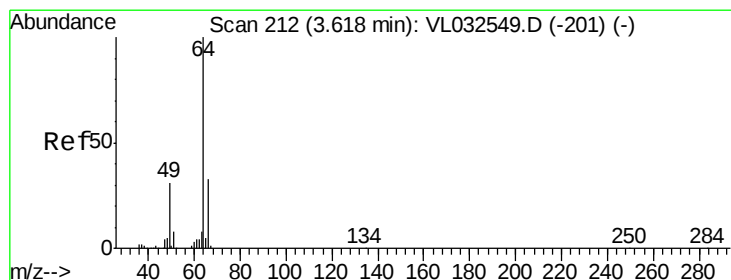
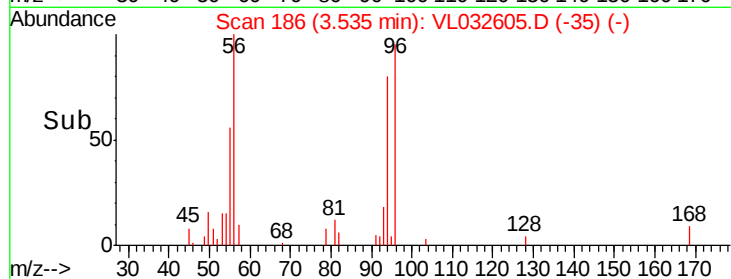
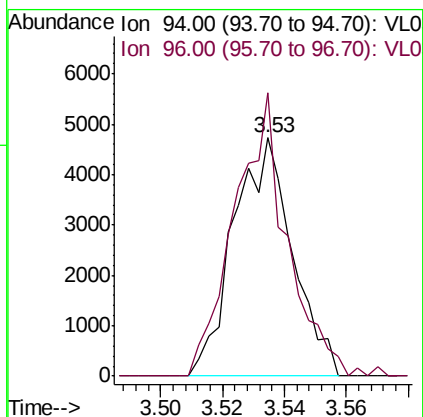
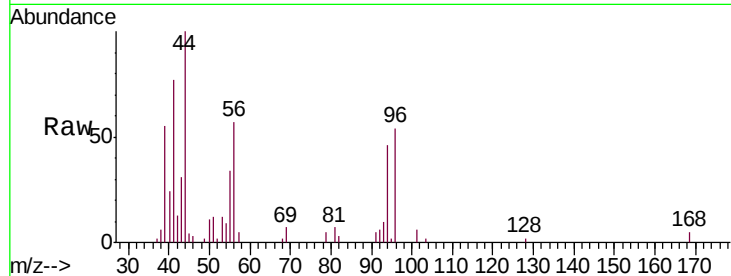




#6
Bromomethane
Concen: 0.153 ppbv
RT: 3.53 min Scan# 186
Delta R.T. -0.01 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

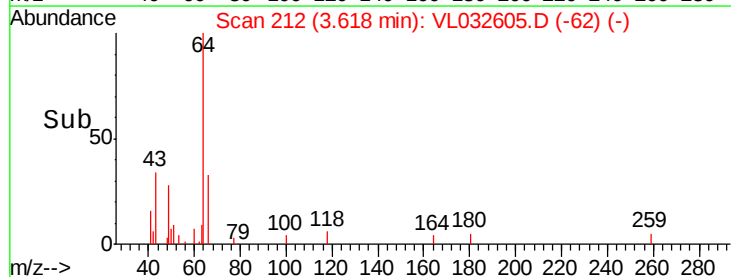
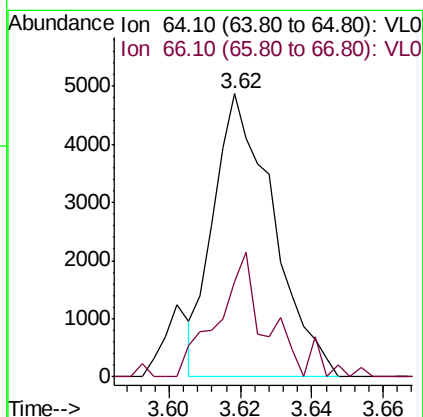
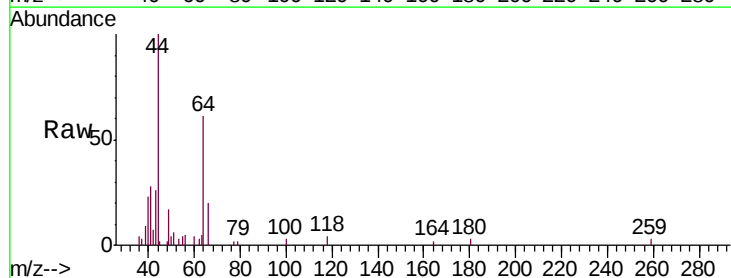
Instrument :
MSVOA_L
ClientSampleId :
SV-1

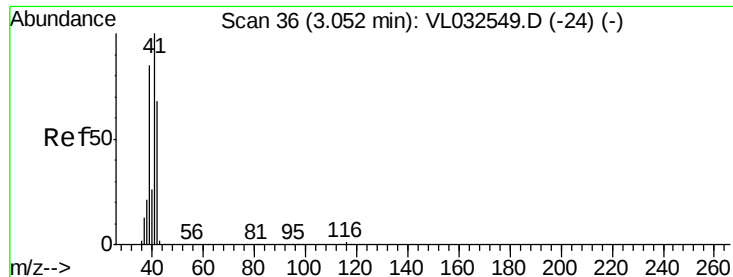
Tgt Ion: 94 Resp: 6248
Ion Ratio Lower Upper
94 100
96 118.7 72.8 109.2#



#7
Chloroethane
Concen: 0.212 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

Tgt Ion: 64 Resp: 5639
Ion Ratio Lower Upper
64 100
66 33.5 25.8 38.6





#9

Propene

Concen: 7.499 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

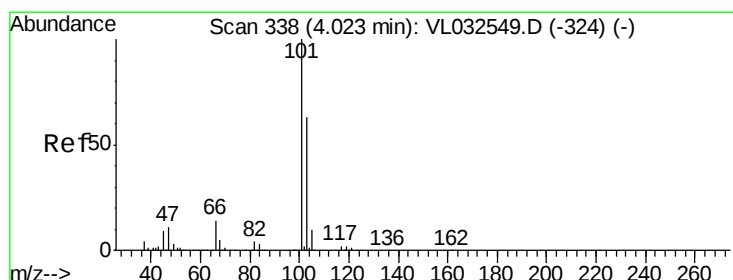
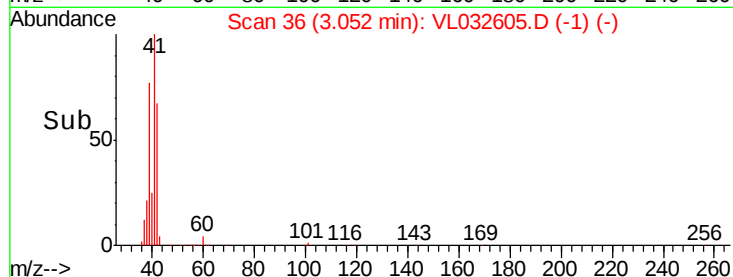
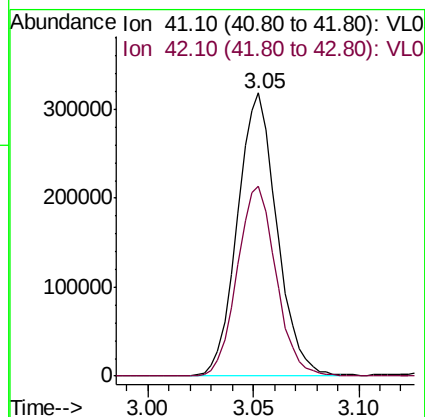
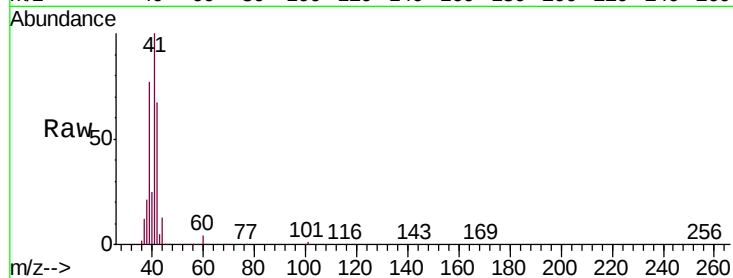
SV-1

Tgt Ion: 41 Resp: 412077

Ion Ratio Lower Upper

41 100

42 66.7 56.6 84.8



#11

Trichlorofluoromethane

Concen: 0.608 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032605.D

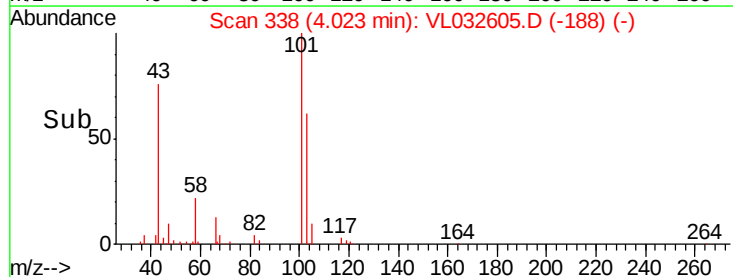
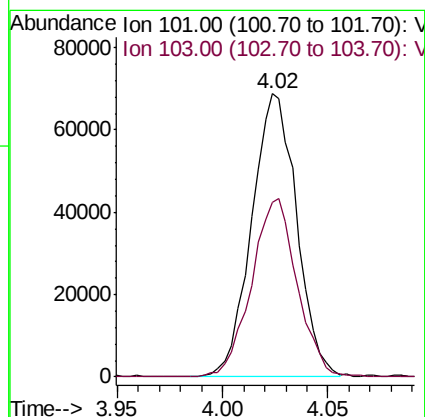
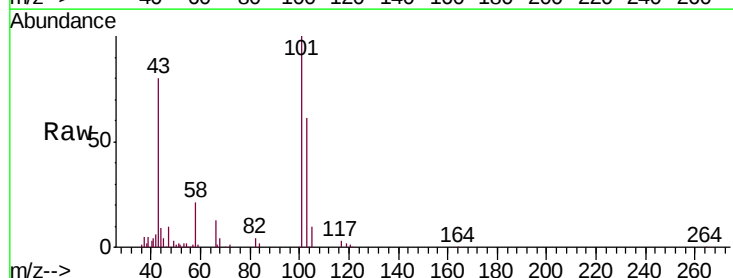
Acq: 11 Oct 2018 15:24

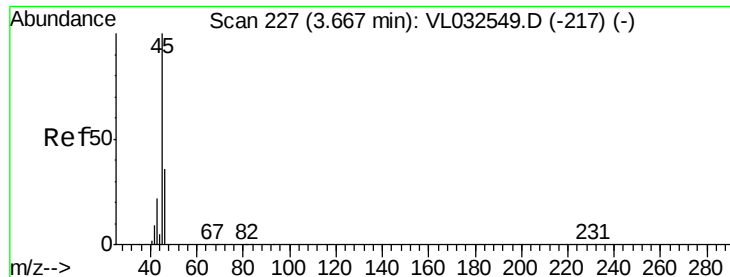
Tgt Ion: 101 Resp: 101869

Ion Ratio Lower Upper

101 100

103 61.2 52.8 79.2





#13

Ethanol

Concen: 7.816 ppbv

RT: 3.68 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

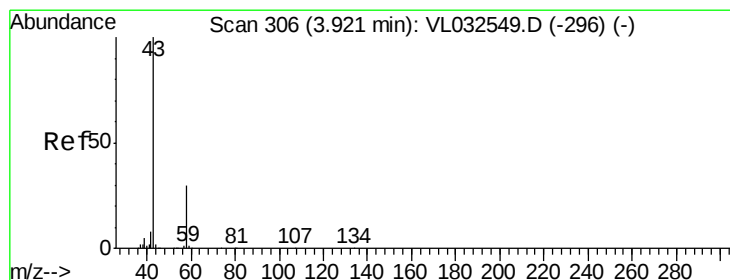
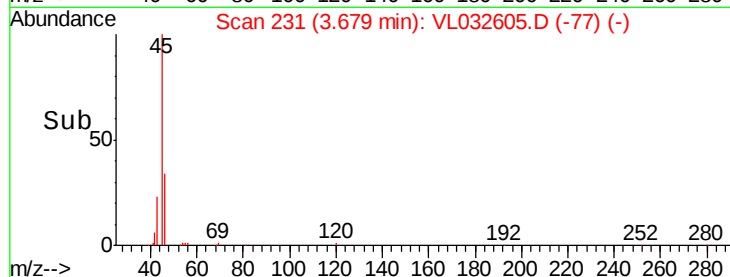
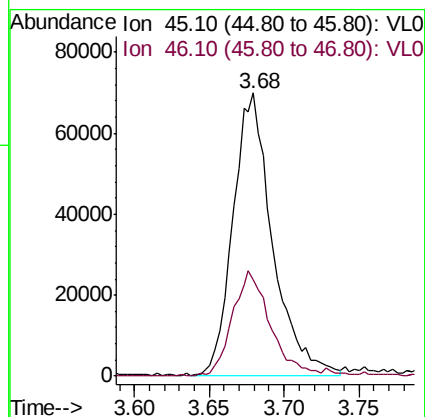
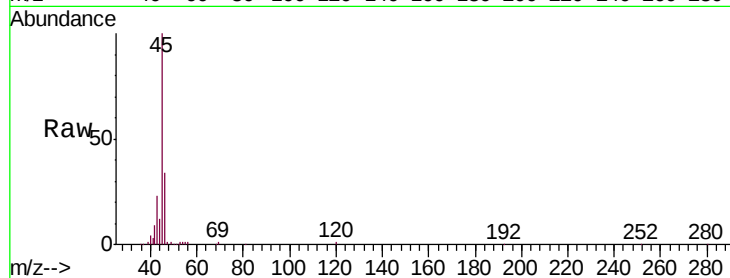
SV-1

Tgt Ion: 45 Resp: 129099

Ion Ratio Lower Upper

45 100

46 37.1 14.2 56.8



#15

Acetone

Concen: 171.066 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032605.D

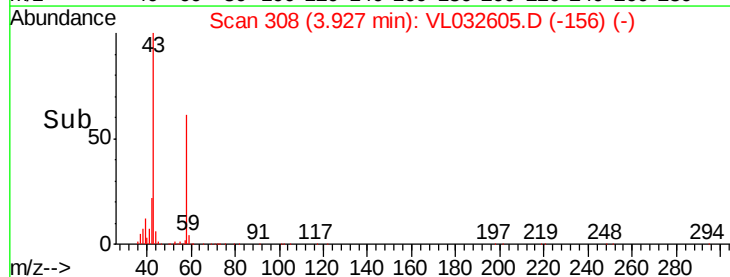
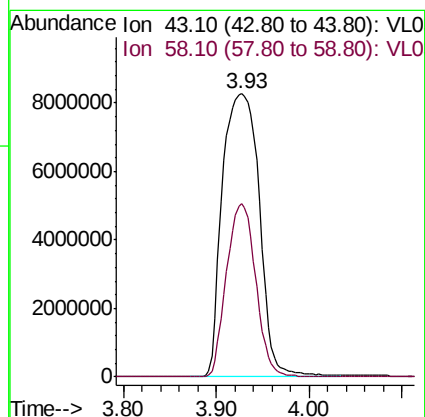
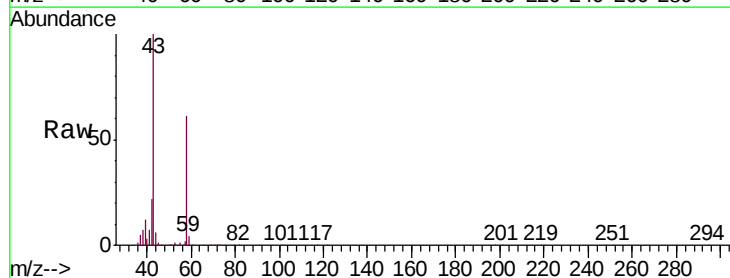
Acq: 11 Oct 2018 15:24

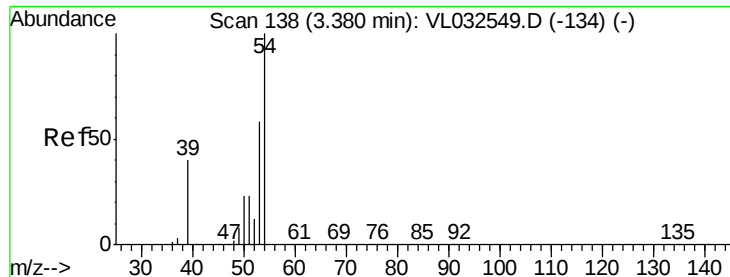
Tgt Ion: 43 Resp: 22867419

Ion Ratio Lower Upper

43 100

58 48.8 22.6 33.8#

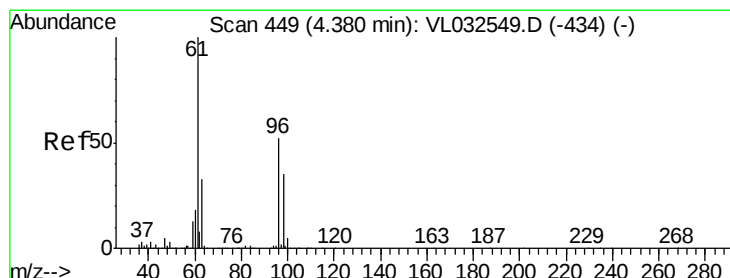
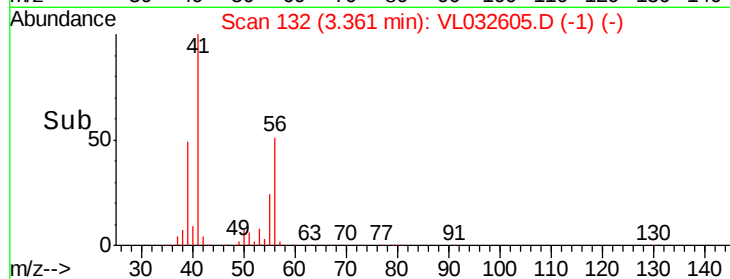
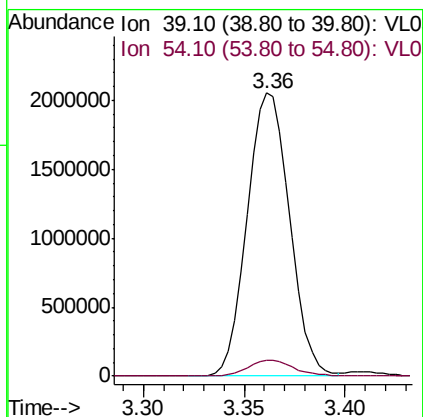
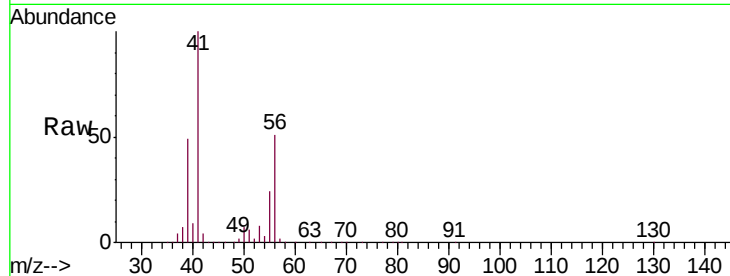




#16
 1,3-Butadiene
 Concen: 55.811 ppbv
 RT: 3.36 min Scan# 132
 Delta R.T. -0.04 min
 Lab File: VL032605.D
 Acq: 11 Oct 2018 15:24

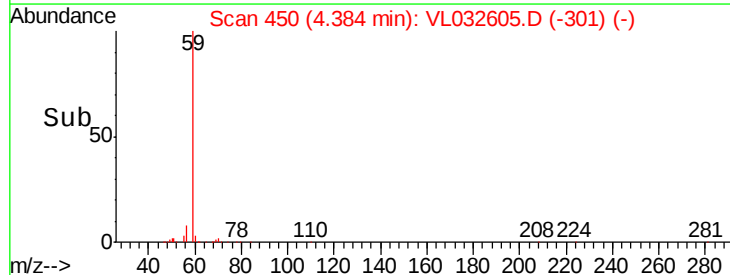
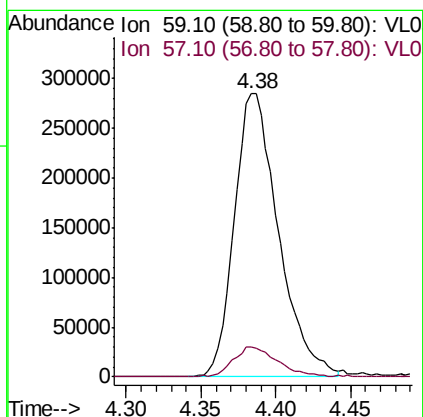
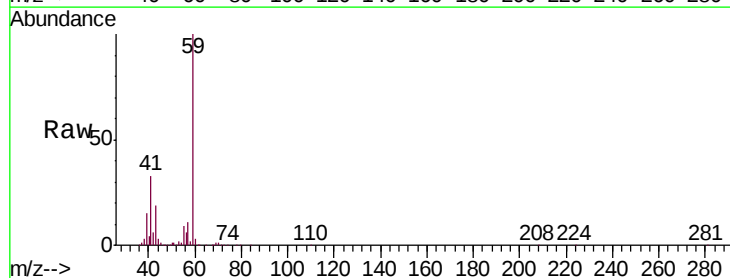
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

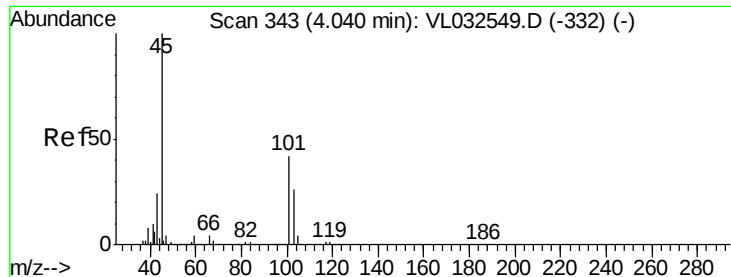
Tgt Ion: 39 Resp: 3025558
 Ion Ratio Lower Upper
 39 100
 54 6.1 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 34.702 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. -0.02 min
 Lab File: VL032605.D
 Acq: 11 Oct 2018 15:24

Tgt Ion: 59 Resp: 582916
 Ion Ratio Lower Upper
 59 100
 57 10.9 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 1.148 ppbv

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampled :

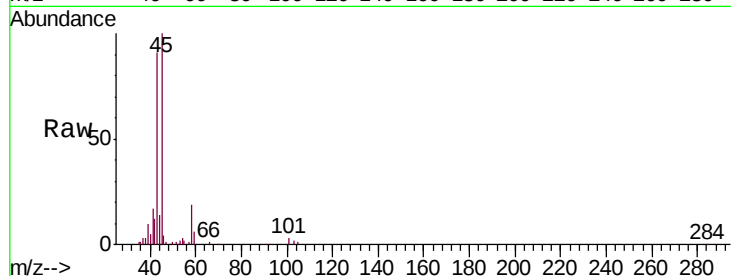
SV-1

Tgt Ion: 45 Resp: 106930

Ion Ratio Lower Upper

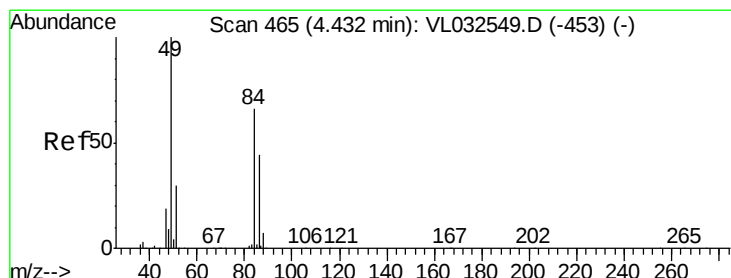
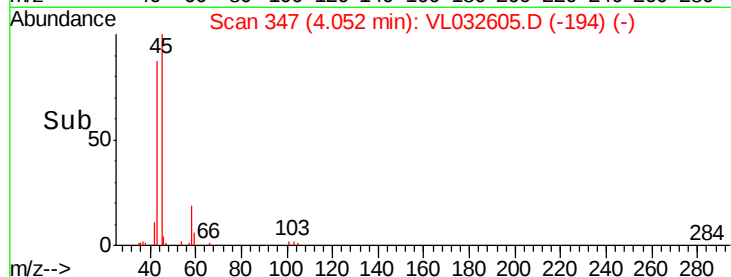
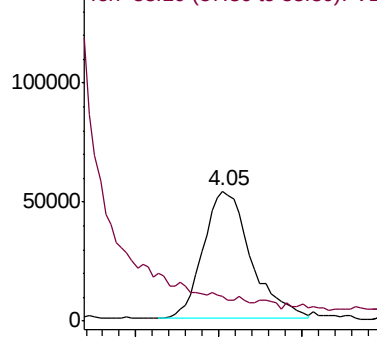
45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.870 ppbv

RT: 4.44 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Tgt Ion: 84 Resp: 56293

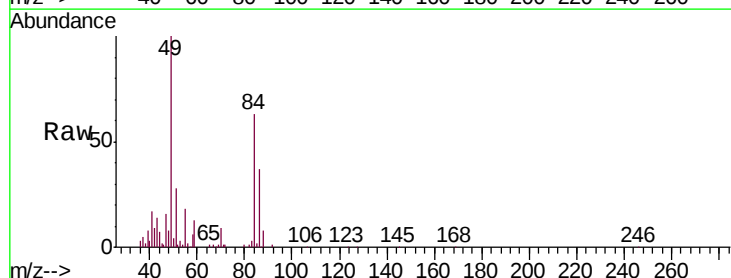
Ion Ratio Lower Upper

84 100

49 156.4 119.1 178.7

51 39.9 35.2 52.8

86 58.1 49.4 74.2

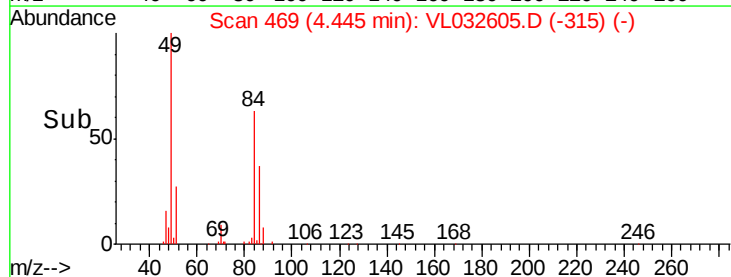
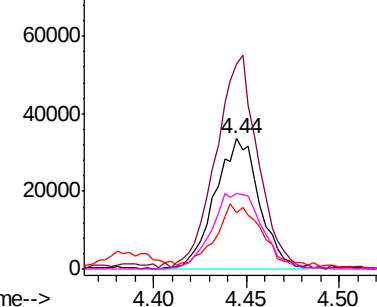


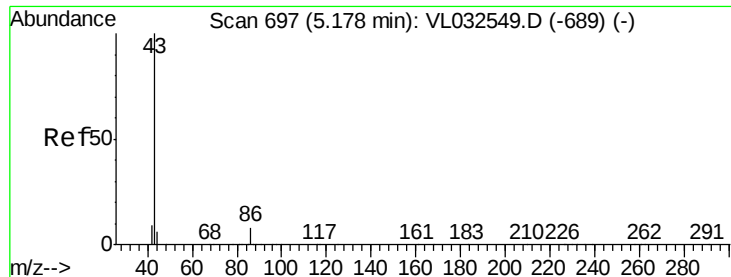
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#23

Vinyl Acetate

Concen: 2.138 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion: 43 Resp: 504915

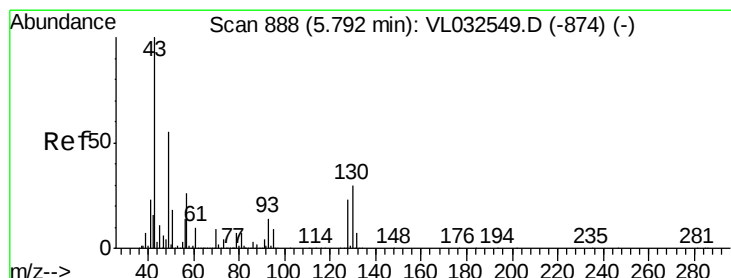
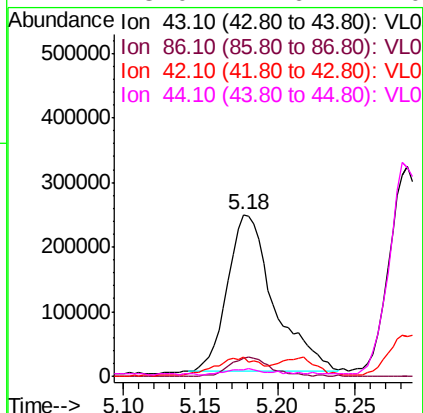
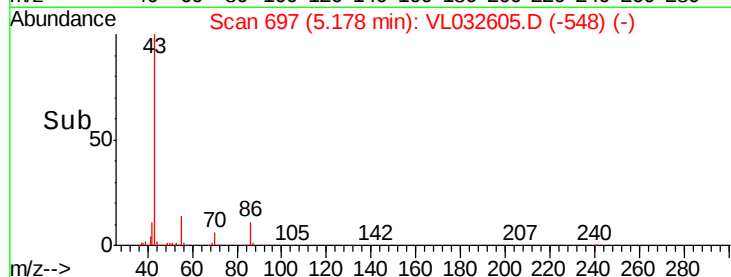
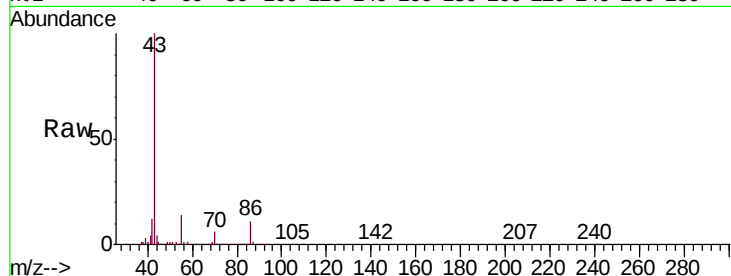
Ion Ratio Lower Upper

43 100

86 11.5 5.9 8.9#

42 10.8 6.9 10.3#

44 3.0 4.6 7.0#



#25

Ethyl Acetate

Concen: 1.544 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Tgt Ion: 43 Resp: 500820

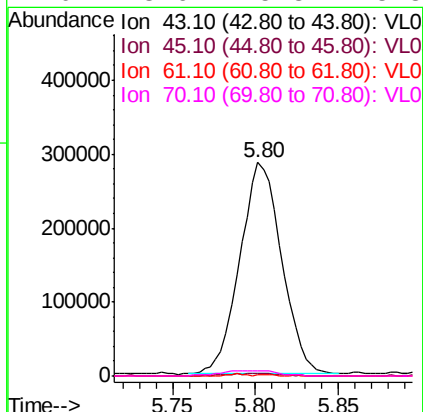
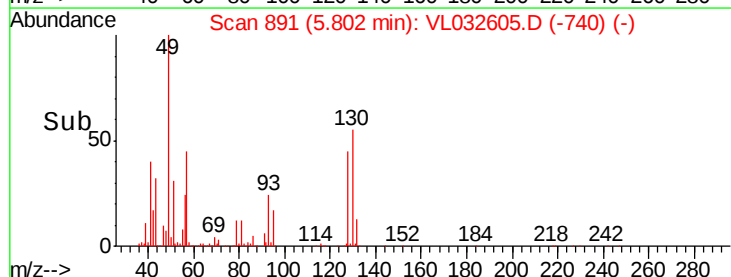
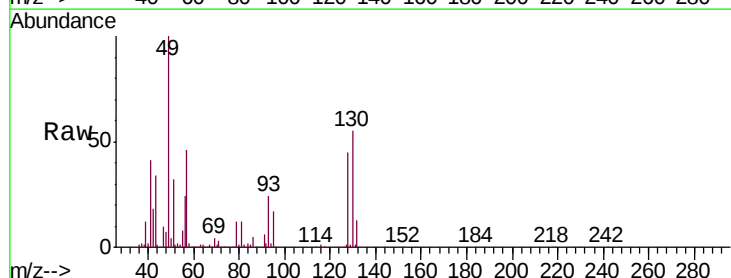
Ion Ratio Lower Upper

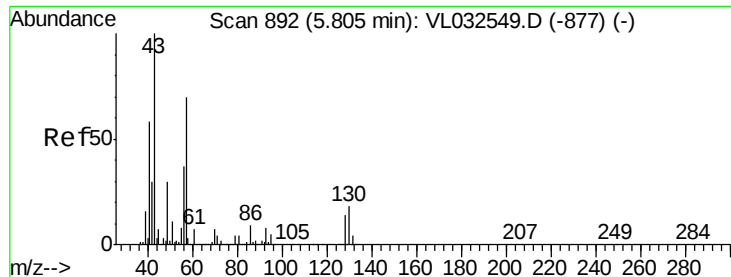
43 100

45 1.6 8.0 12.0#

61 1.0 7.6 11.4#

70 3.6 5.8 8.8#

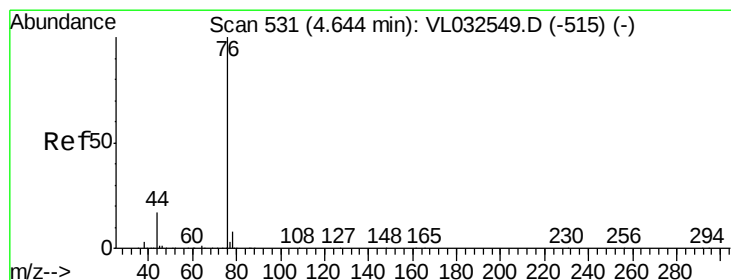
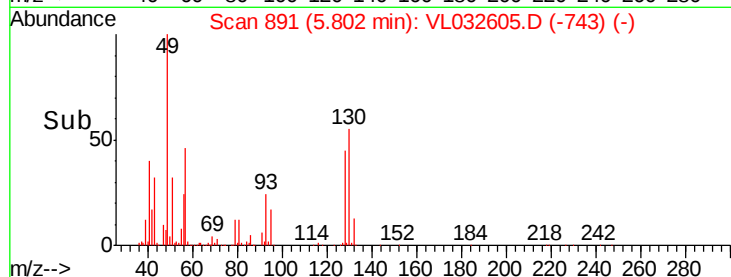
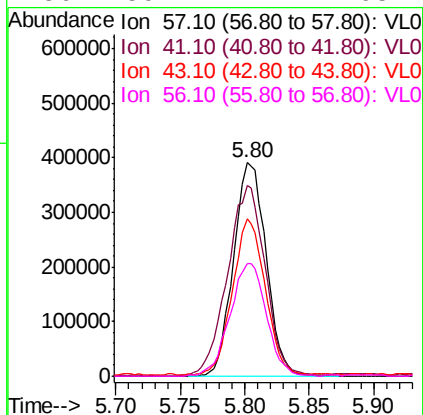
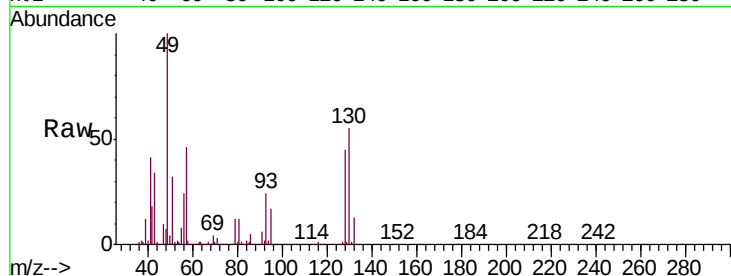




#26
Hexane
Concen: 4.694 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

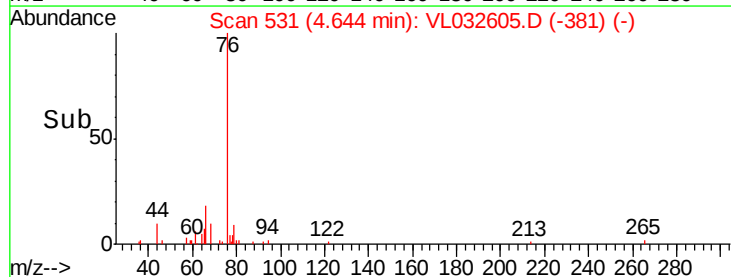
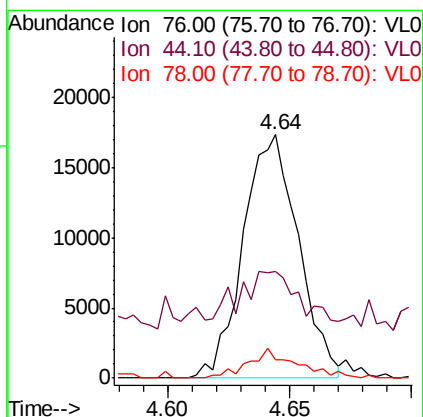
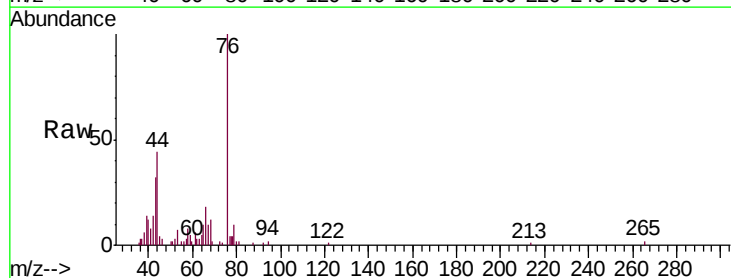
Instrument :
MSVOA_L
ClientSampleId :
SV-1

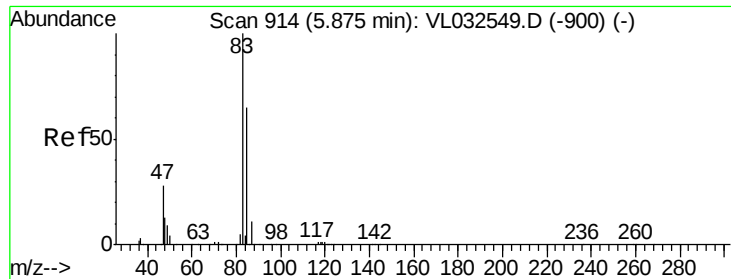
Tgt Ion:	57	Resp:	687698
Ion	Ratio	Lower	Upper
57	100		
41	103.2	69.0	103.4
43	73.3	172.1	258.1#
56	59.4	42.2	63.2



#27
Carbon Disulfide
Concen: 0.172 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

Tgt Ion:	76	Resp:	27159
Ion	Ratio	Lower	Upper
76	100		
44	19.4	14.0	21.0
78	10.8	7.5	11.3





#29

Chloroform

Concen: 0.142 ppbv

RT: 5.89 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

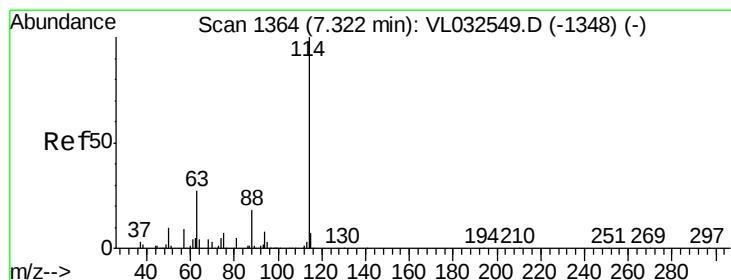
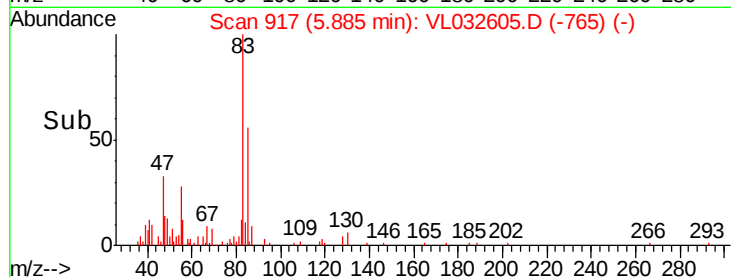
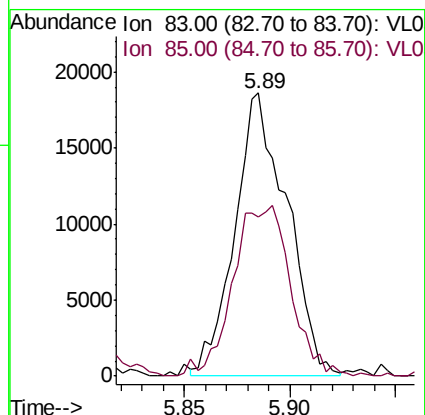
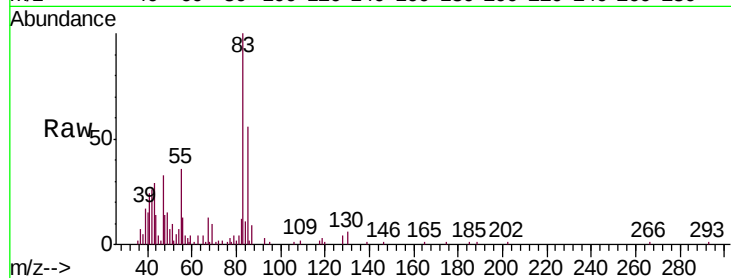
SV-1

Tgt Ion: 83 Resp: 31978

Ion Ratio Lower Upper

83 100

85 55.4 52.5 78.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

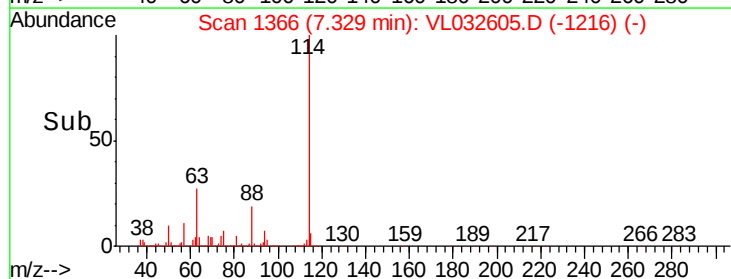
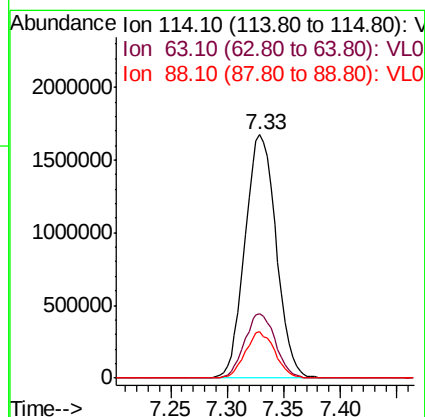
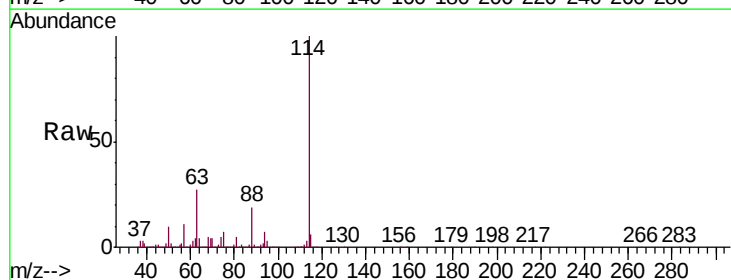
Tgt Ion: 114 Resp: 3218384

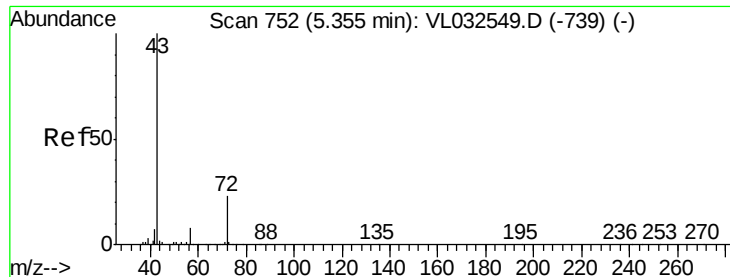
Ion Ratio Lower Upper

114 100

63 26.4 22.2 33.4

88 18.1 15.0 22.4





#34

2-Butanone

Concen: 9.030 ppbv

RT: 5.36 min Scan# 753

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

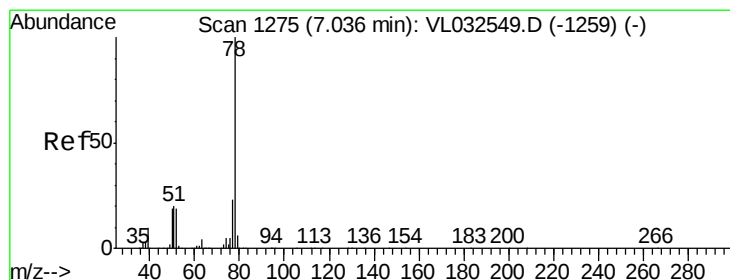
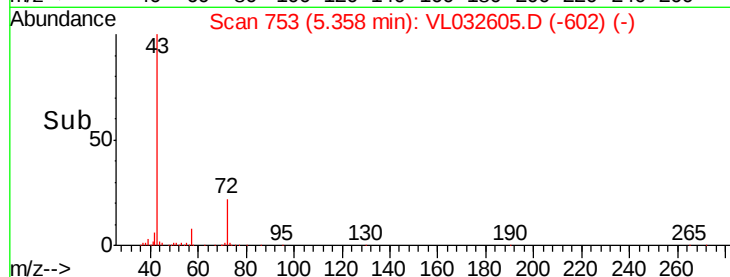
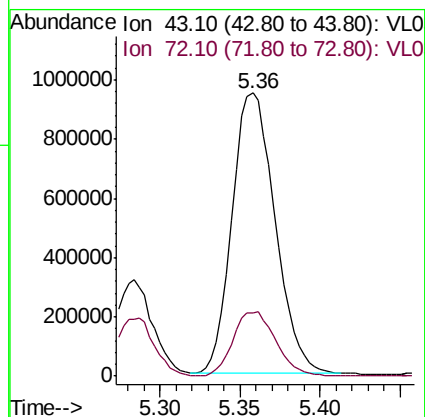
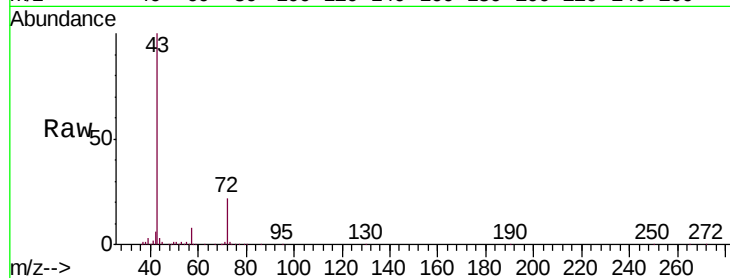
SV-1

Tgt Ion: 43 Resp: 1730612

Ion Ratio Lower Upper

43 100

72 23.1 17.8 26.6



#36

Benzene

Concen: 1.056 ppbv

RT: 7.04 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

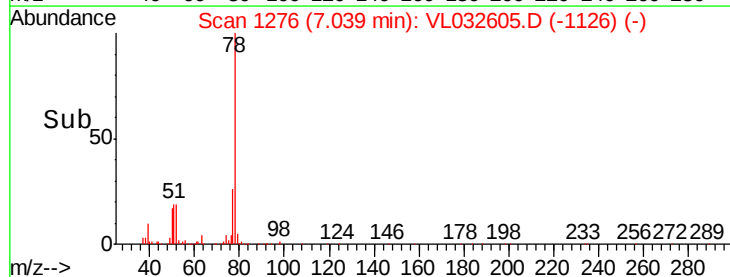
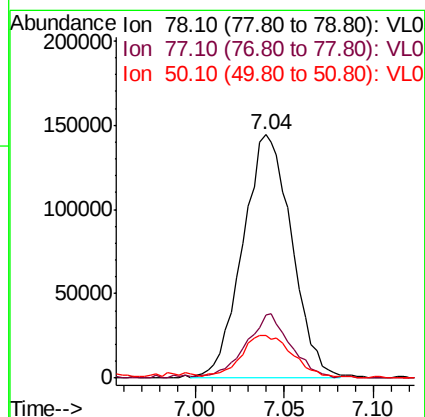
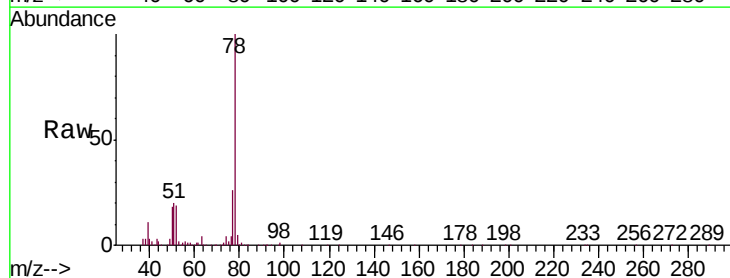
Tgt Ion: 78 Resp: 274682

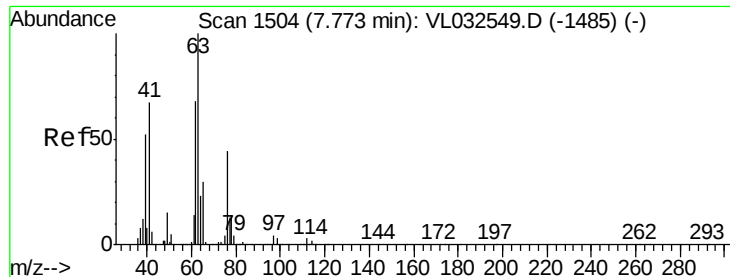
Ion Ratio Lower Upper

78 100

77 25.9 18.4 27.6

50 17.3 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.206 ppbv

RT: 7.33 min Scan# 1366

Delta R.T. -0.46 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

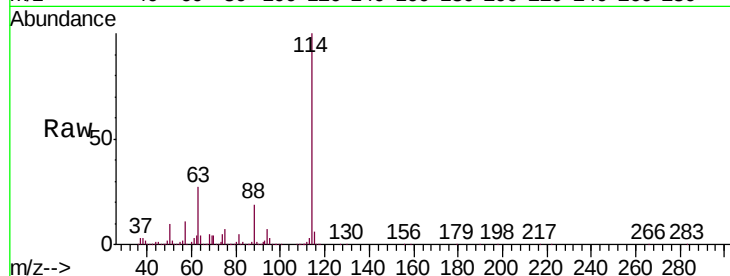
Tgt Ion: 63 Resp: 844636

Ion Ratio Lower Upper

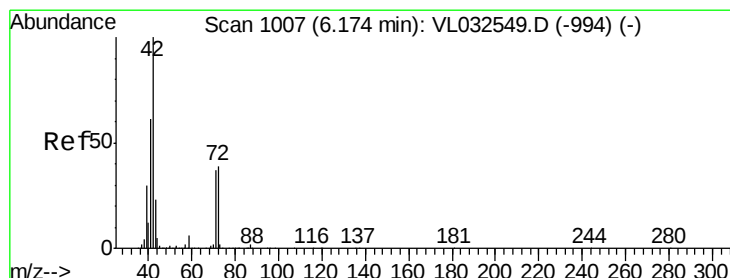
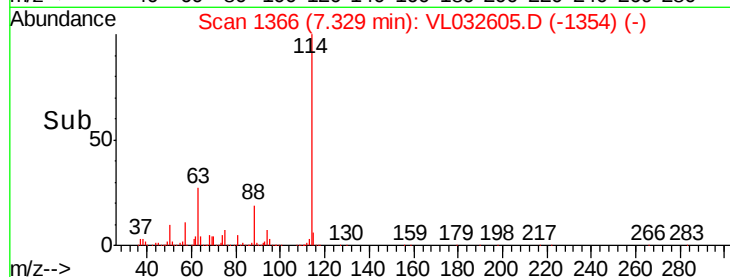
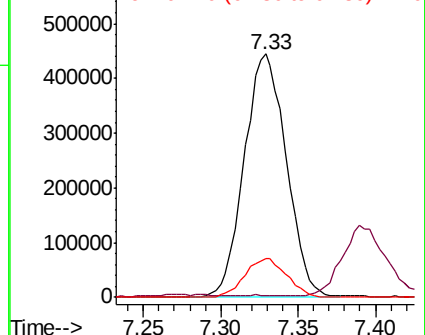
63 100

41 0.1 55.4 83.0#

62 15.7 55.4 83.0#



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



#41

Tetrahydrofuran

Concen: 0.627 ppbv

RT: 6.45 min Scan# 1092

Delta R.T. 0.25 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

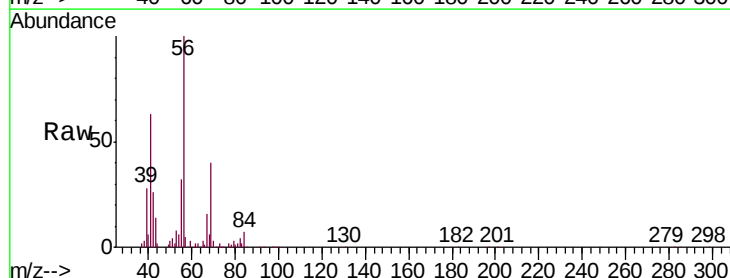
Tgt Ion: 42 Resp: 65322

Ion Ratio Lower Upper

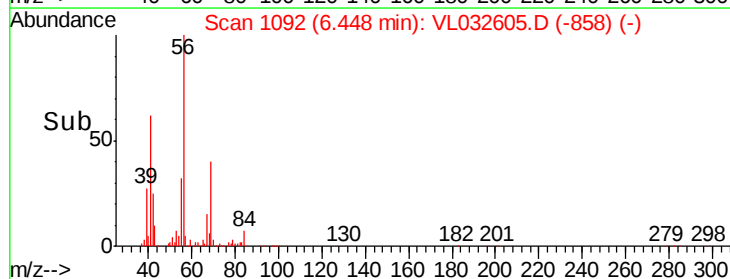
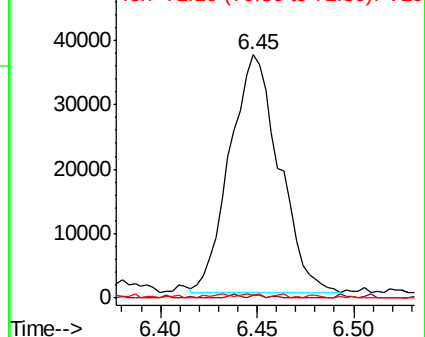
42 100

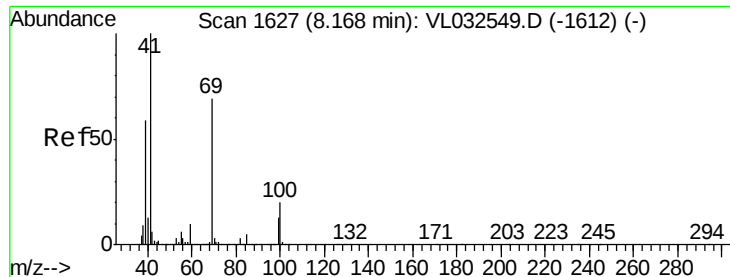
72 0.9 29.5 44.3#

71 0.0 28.3 42.5#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#43

Methyl Methacrylate

Concen: 0.278 ppbv

RT: 8.21 min Scan# 1639

Delta R.T. 0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

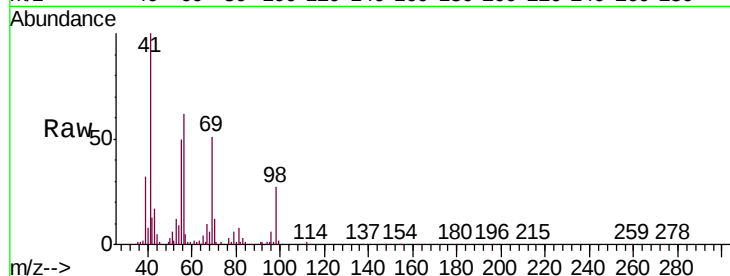
Tgt Ion: 69 Resp: 30174

Ion Ratio Lower Upper

69 100

41 120.9 117.1 175.7

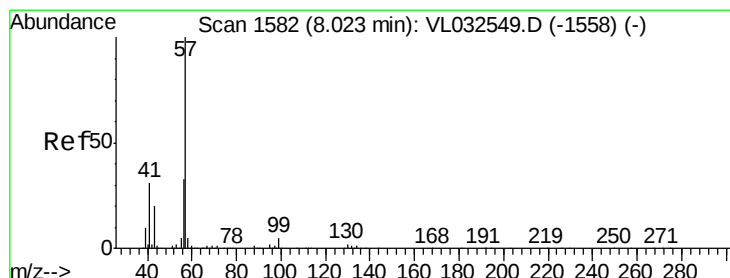
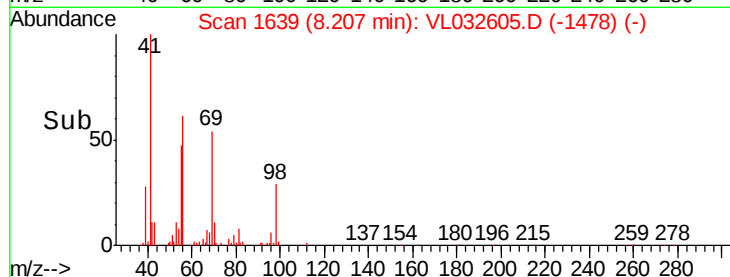
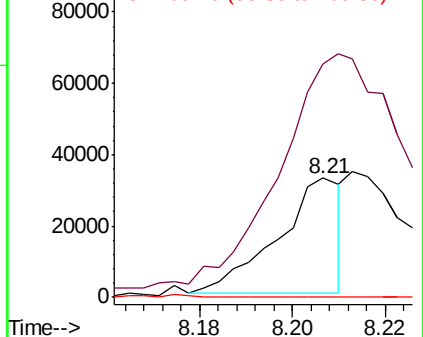
100 34.2 23.4 35.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.081 ppbv

RT: 8.03 min Scan# 1584

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

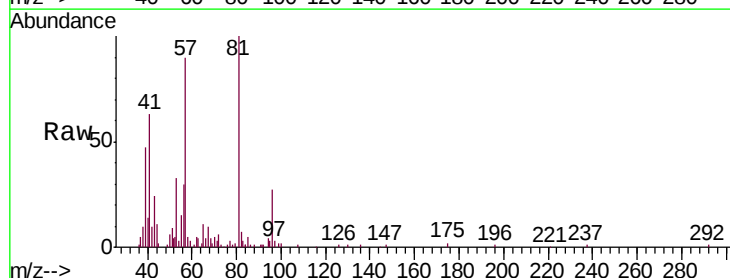
Tgt Ion: 57 Resp: 40985

Ion Ratio Lower Upper

57 100

41 0.0 24.4 36.6#

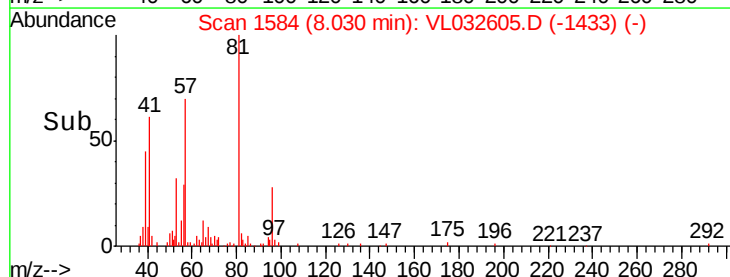
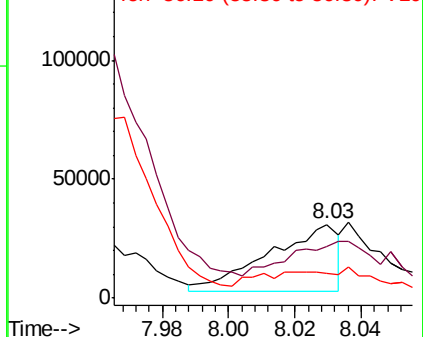
56 0.0 25.7 38.5#

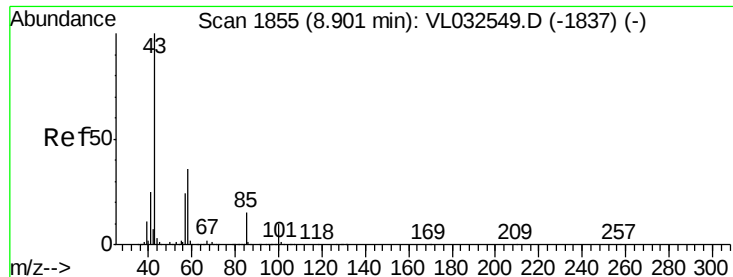


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

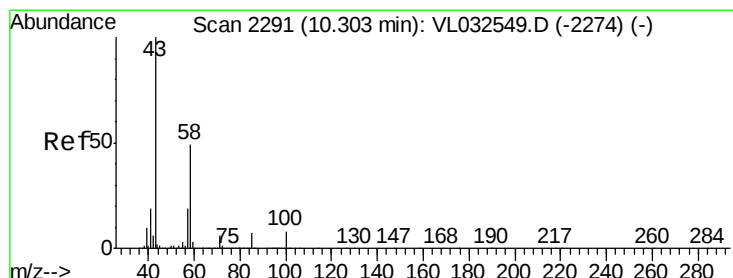
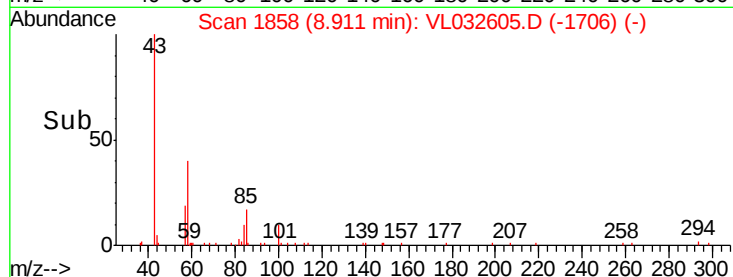
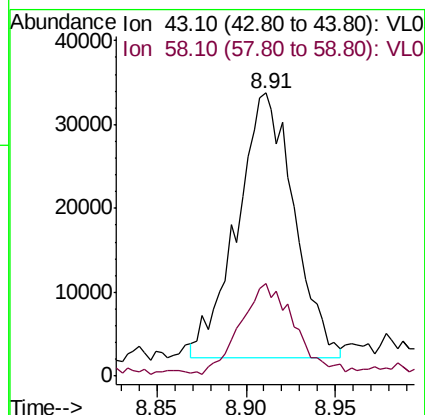
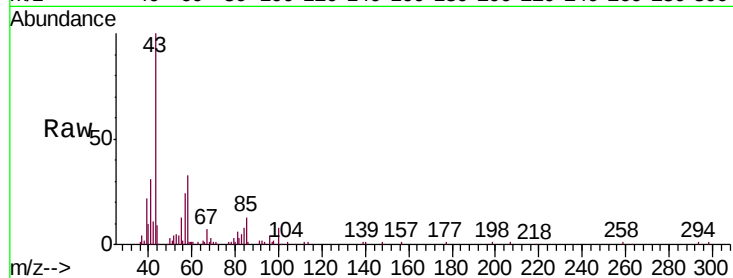




#50
 4-Methyl-2-Pentanone
 Concen: 0.233 ppbv
 RT: 8.91 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VL032605.D
 Acq: 11 Oct 2018 15:24

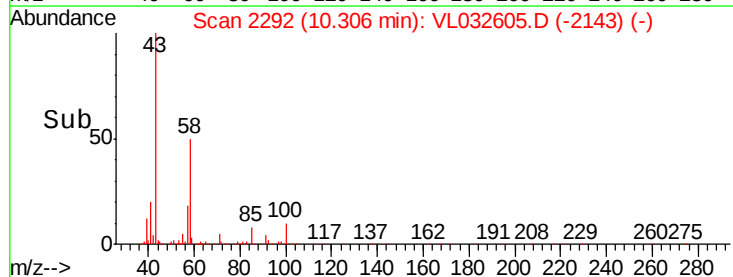
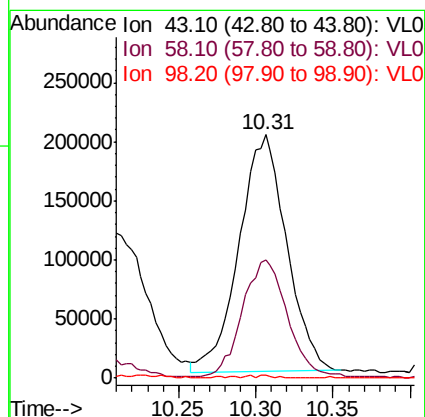
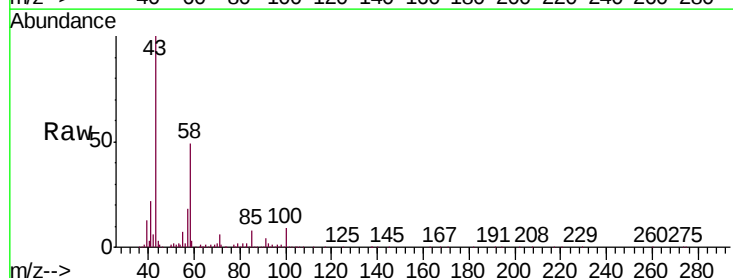
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

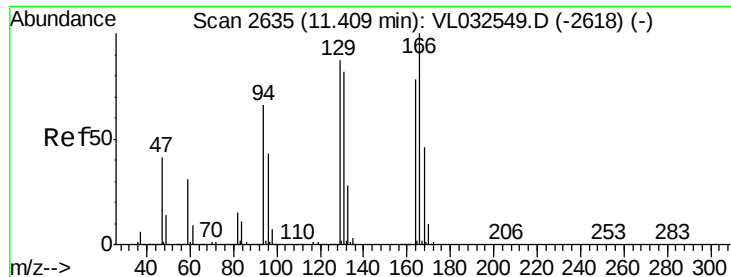
Tgt Ion: 43 Resp: 70227
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.0 43.4



#51
 2-Hexanone
 Concen: 1.717 ppbv
 RT: 10.31 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VL032605.D
 Acq: 11 Oct 2018 15:24

Tgt Ion: 43 Resp: 427854
 Ion Ratio Lower Upper
 43 100
 58 46.9 39.2 58.8
 98 1.2 0.4 0.6#





#52

Tetrachloroethene

Concen: 1.137 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion:164 Resp: 102947

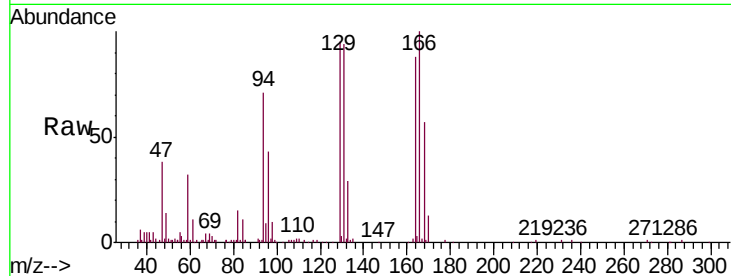
Ion Ratio Lower Upper

164 100

166 114.0 100.6 150.8

129 108.7 89.9 134.9

131 107.1 85.9 128.9

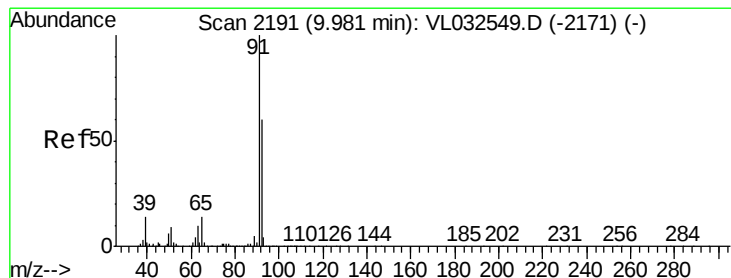
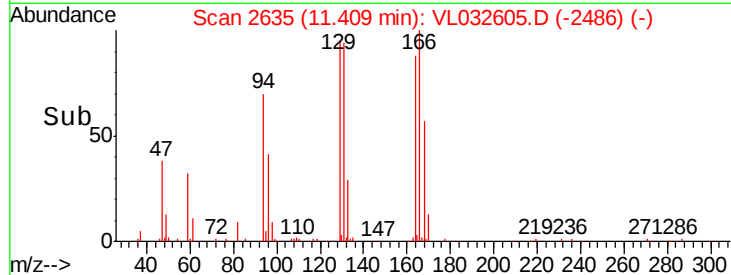
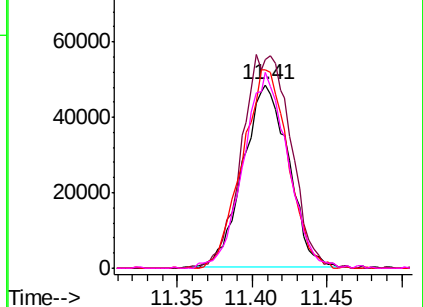


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 76.906 ppbv

RT: 9.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VL032605.D

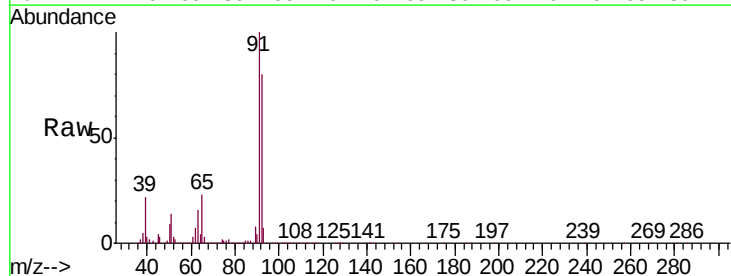
Acq: 11 Oct 2018 15:24

Tgt Ion: 91 Resp:24375707

Ion Ratio Lower Upper

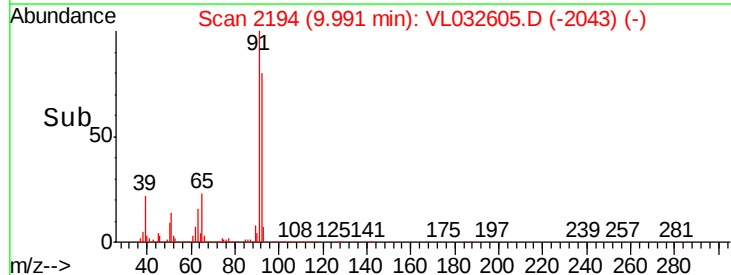
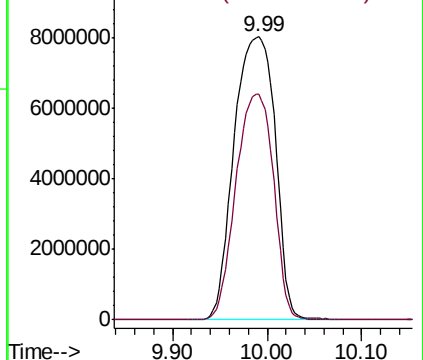
91 100

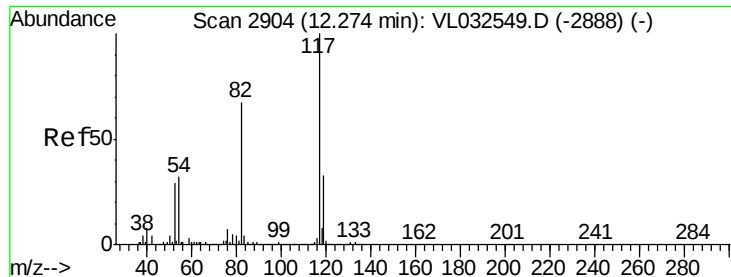
92 73.1 48.1 72.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

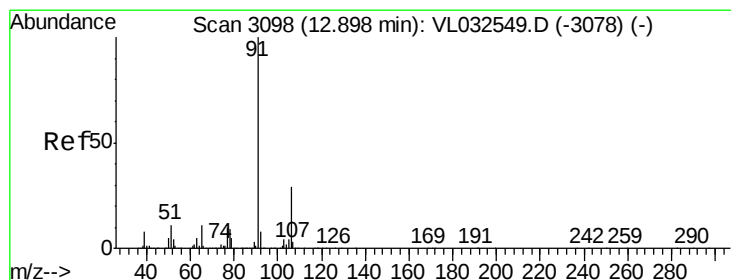
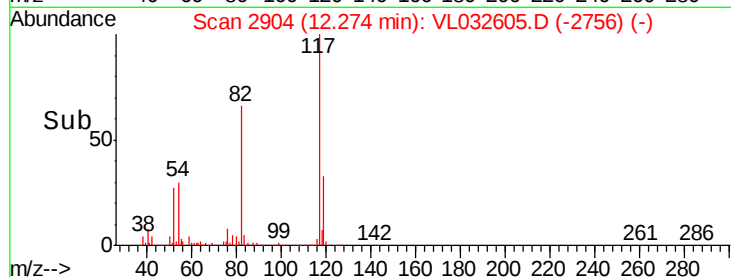
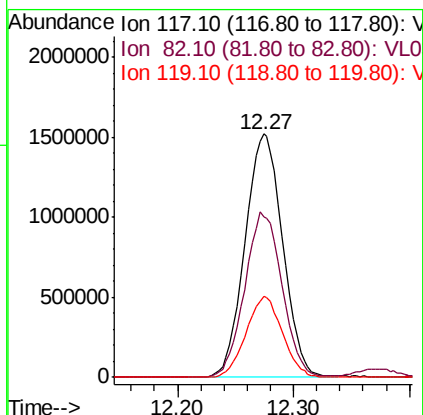
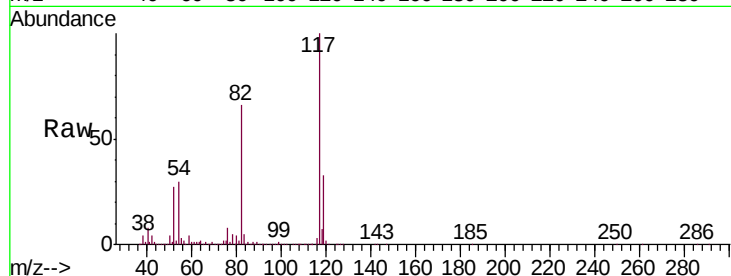




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

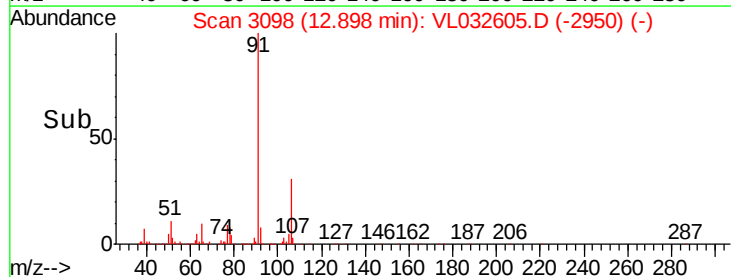
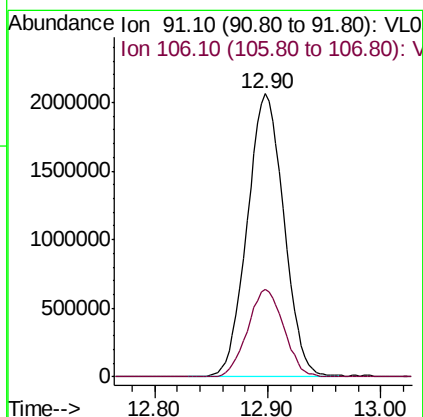
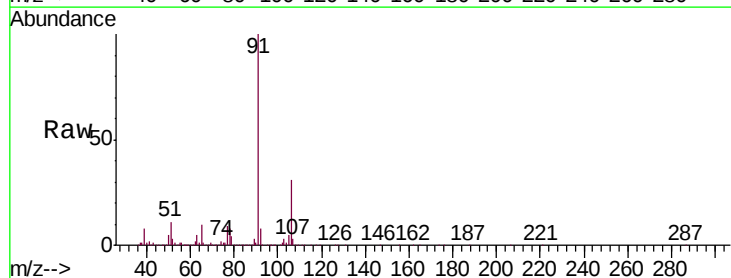
Instrument :
MSVOA_L
ClientSampleId :
SV-1

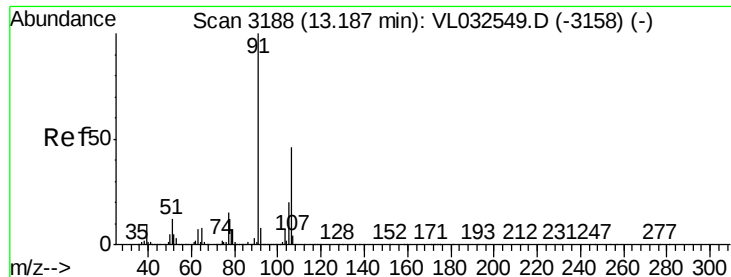
Tgt Ion:117 Resp: 3436359
Ion Ratio Lower Upper
117 100
82 67.3 53.0 79.6
119 32.4 45.9 68.9#



#58
Ethyl Benzene
Concen: 11.130 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

Tgt Ion: 91 Resp: 4639404
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2





#59

m/p-Xylene

Concen: 34.309 ppbv

RT: 13.16 min Scan# 3179

Delta R.T. -0.05 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

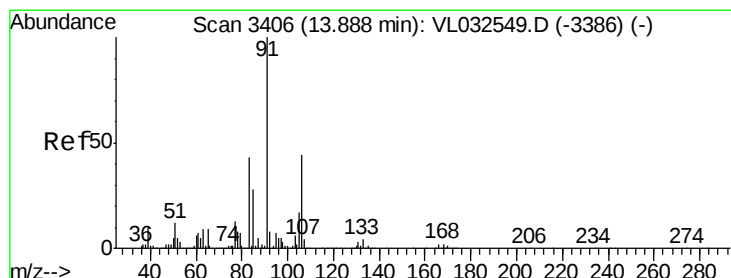
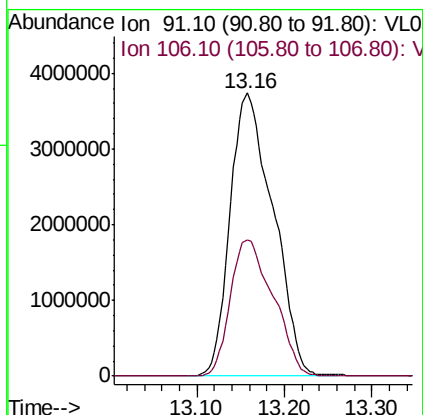
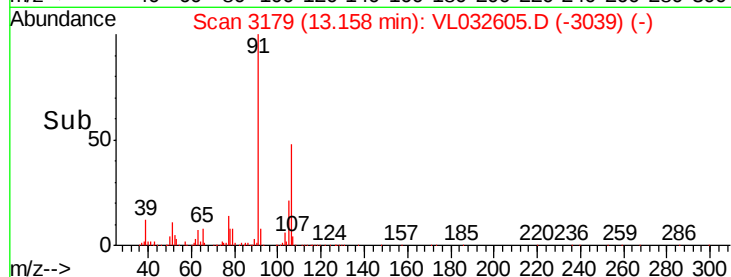
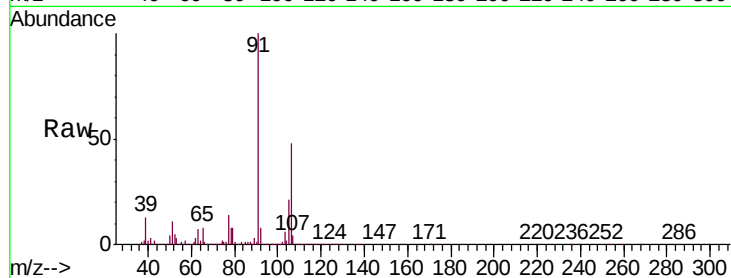
SV-1

Tgt Ion: 91 Resp:12724304

Ion Ratio Lower Upper

91 100

106 48.4 36.6 55.0



#60

o-Xylene

Concen: 10.915 ppbv

RT: 13.88 min Scan# 3404

Delta R.T. -0.03 min

Lab File: VL032605.D

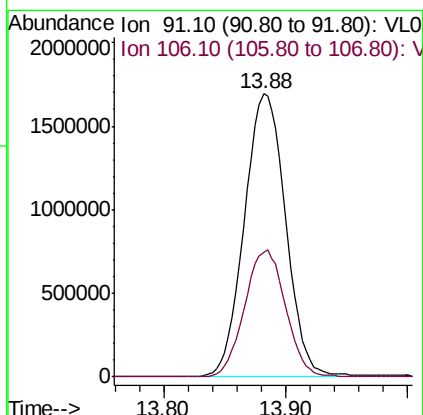
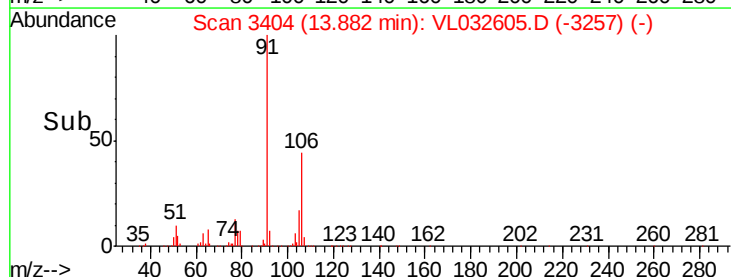
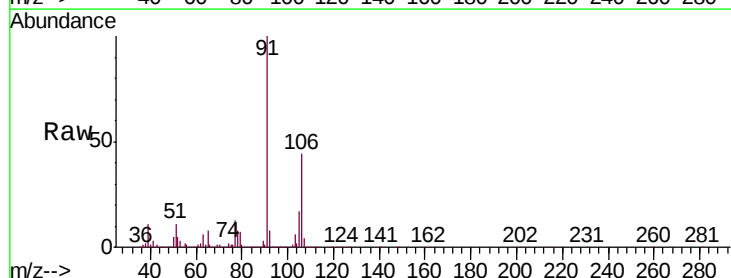
Acq: 11 Oct 2018 15:24

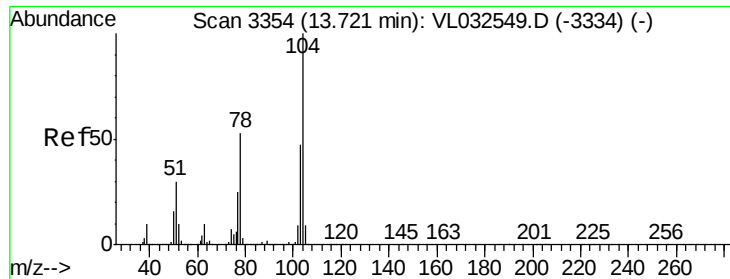
Tgt Ion: 91 Resp: 3941145

Ion Ratio Lower Upper

91 100

106 45.0 21.9 65.7





#61

Styrene

Concen: 0.184 ppbv

RT: 13.72 min Scan# 3354

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

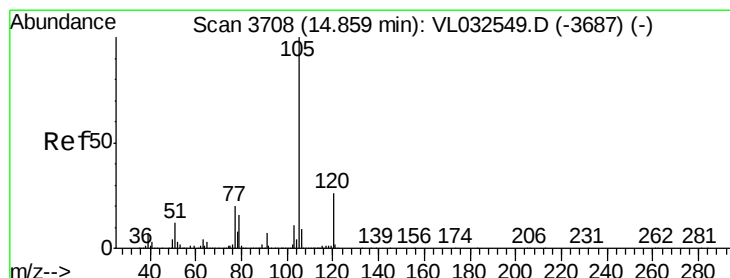
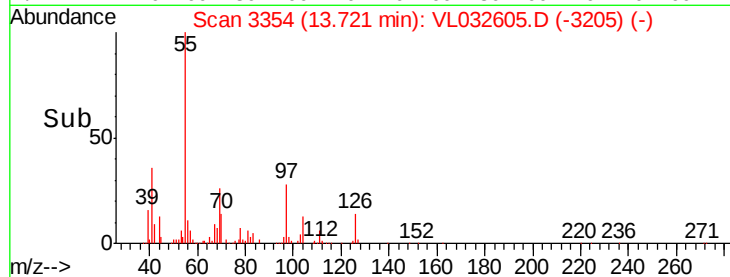
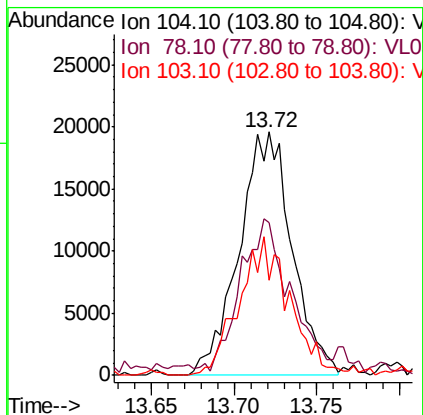
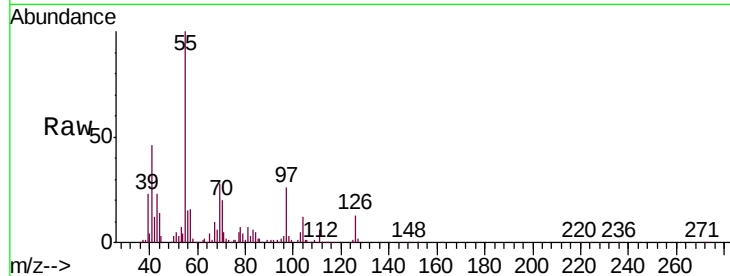
MSVOA_L

ClientSampleId :

SV-1

Tgt Ion:104 Resp: 43513

Ion	Ratio	Lower	Upper
104	100		
78	66.9	41.8	62.8#
103	54.6	38.0	57.0



#62

Isopropylbenzene

Concen: 0.144 ppbv

RT: 14.86 min Scan# 3708

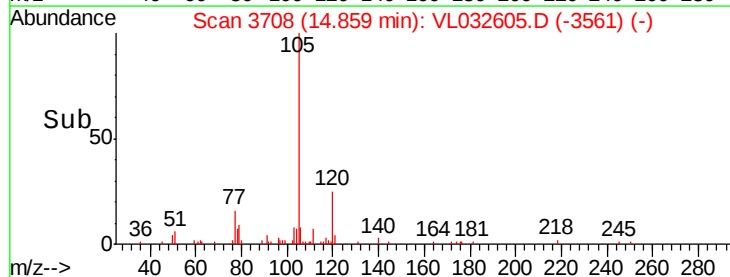
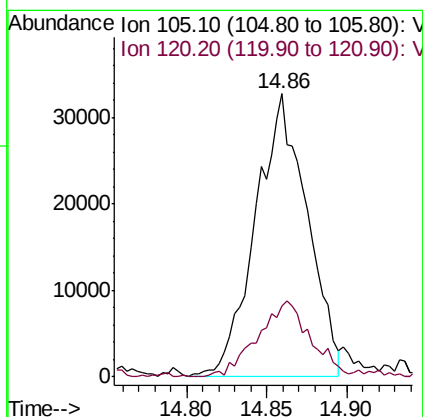
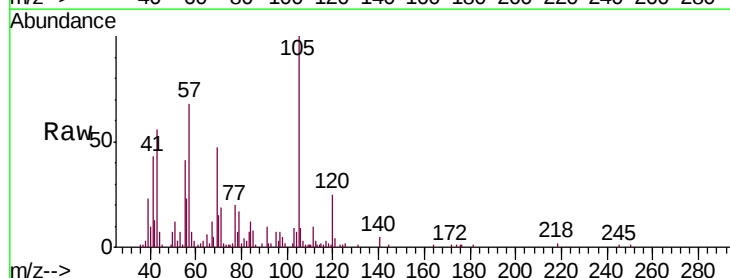
Delta R.T. -0.03 min

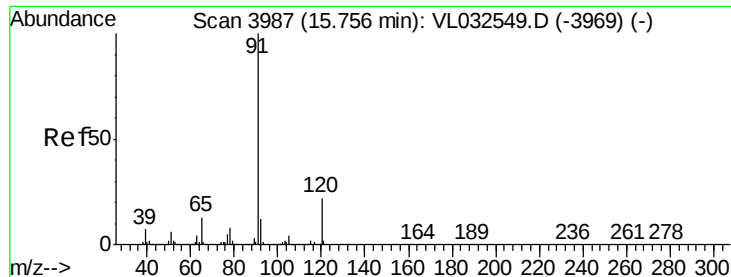
Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Tgt Ion:105 Resp: 73315

Ion	Ratio	Lower	Upper
105	100		
120	28.9	20.6	31.0





#64

n-propylbenzene

Concen: 0.097 ppbv

RT: 15.75 min Scan# 3985

Delta R.T. -0.03 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

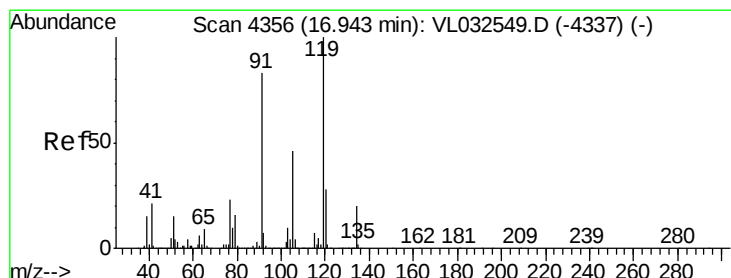
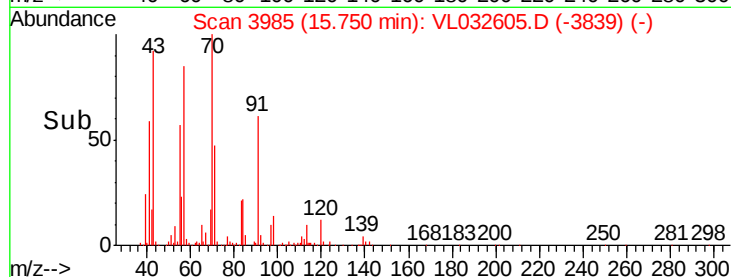
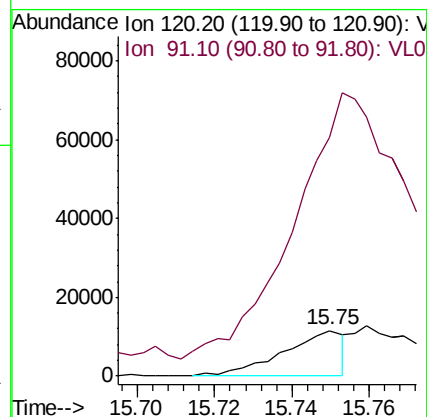
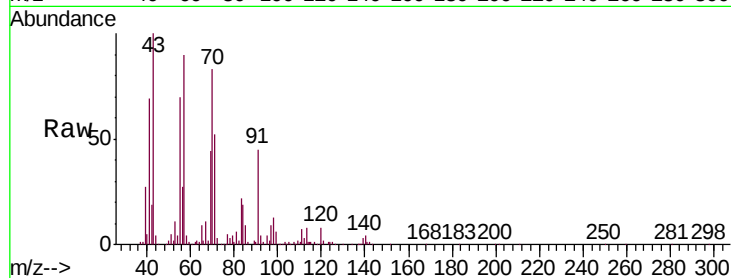
SV-1

Tgt Ion:120 Resp: 12728

Ion Ratio Lower Upper

120 100

91 1397.8 381.8 572.6#



#65

tert-Butylbenzene

Concen: 0.048 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

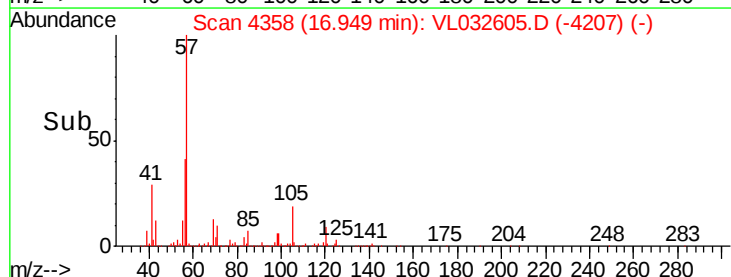
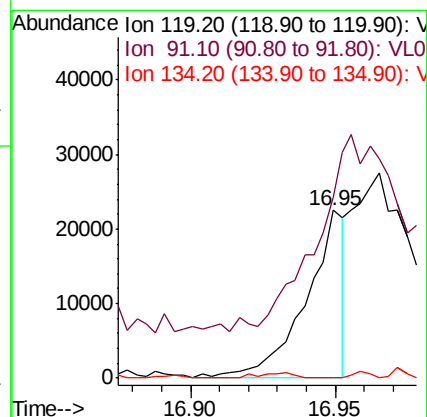
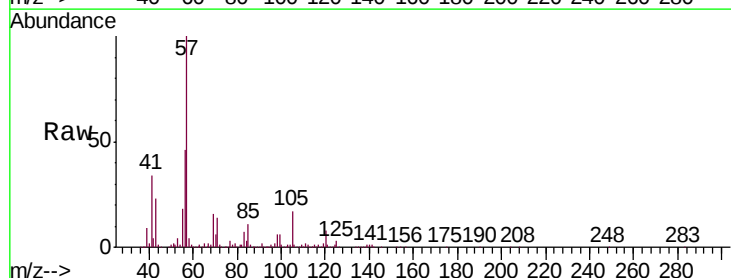
Tgt Ion:119 Resp: 20831

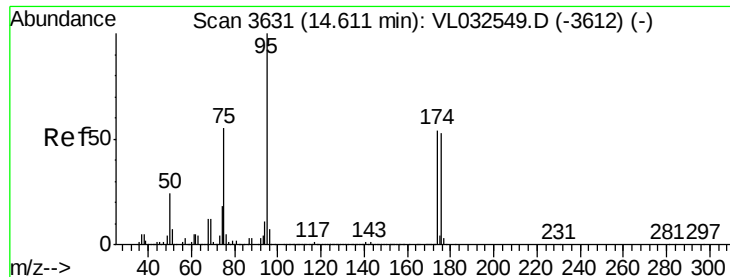
Ion Ratio Lower Upper

119 100

91 382.2 66.5 99.7#

134 2.9 16.0 24.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.459 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampled :

SV-1

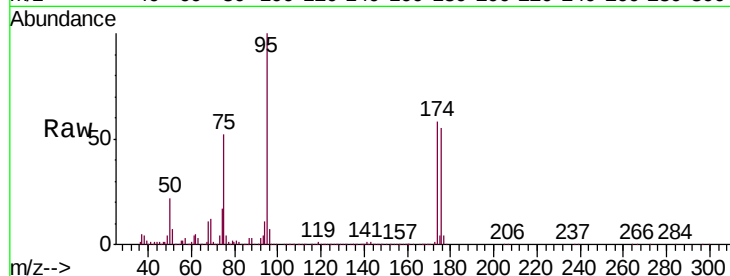
Tgt Ion: 95 Resp: 2451288

Ion Ratio Lower Upper

95 100

174 58.9 46.3 69.5

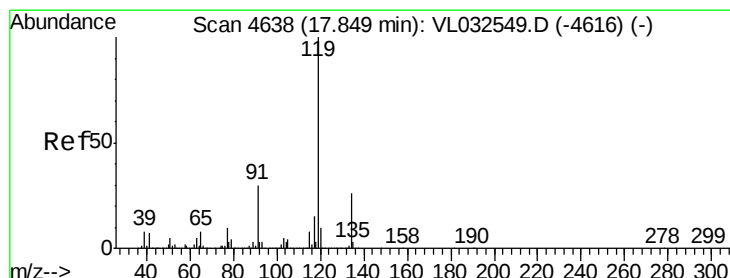
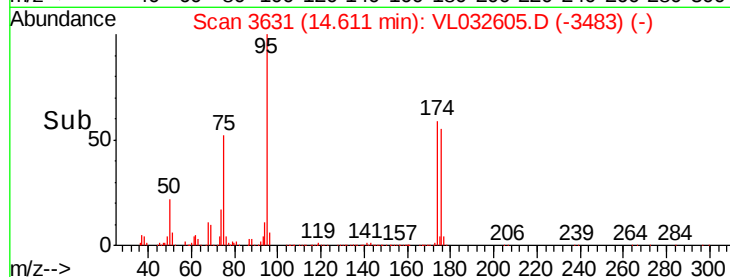
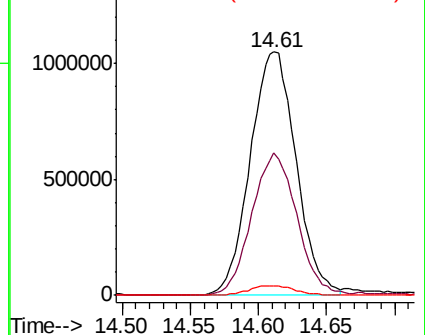
175 4.2 3.4 5.0



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



#69

p-Isopropyltoluene

Concen: 0.135 ppbv

RT: 17.86 min Scan# 4640

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

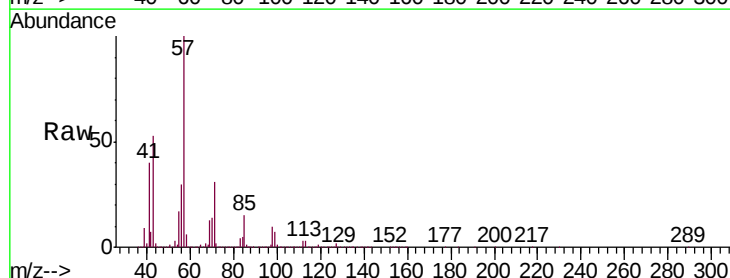
Tgt Ion: 119 Resp: 67989

Ion Ratio Lower Upper

119 100

134 58.7 20.4 30.6#

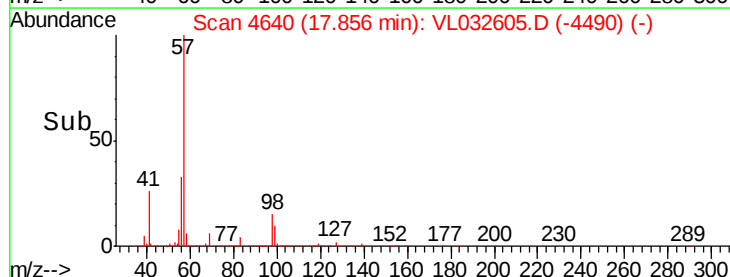
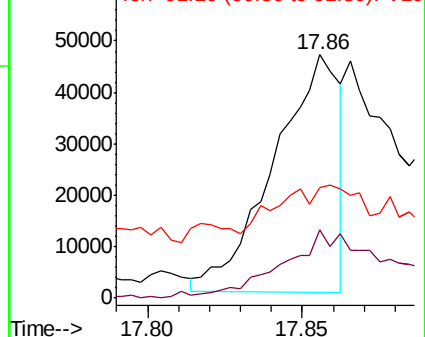
91 91.6 23.4 35.2#

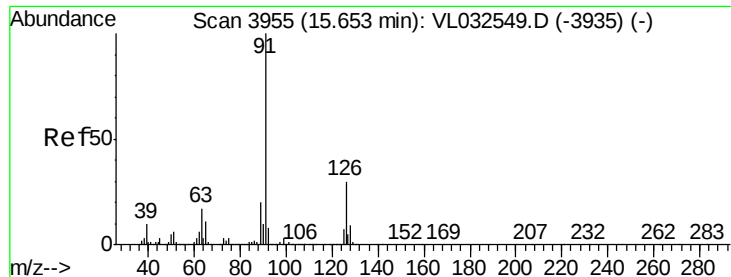


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

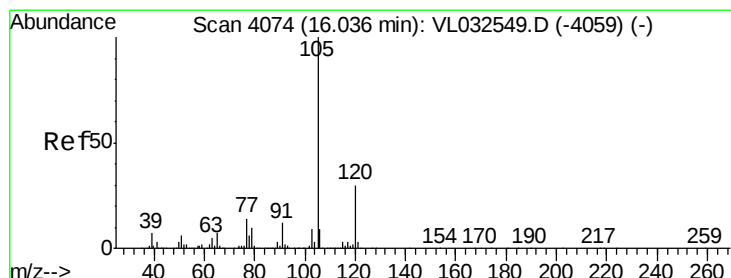
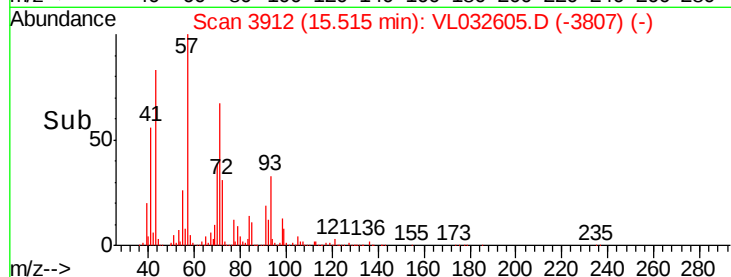
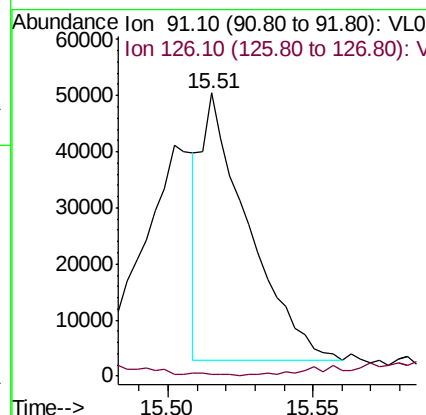
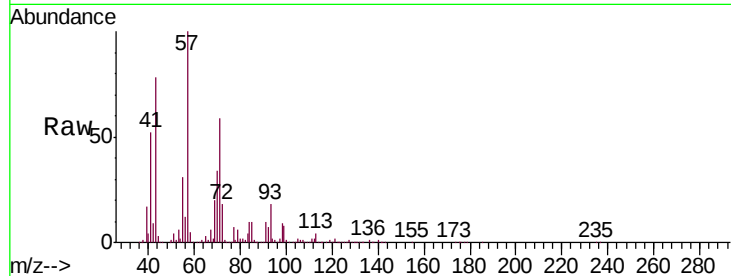




#71
2-Chlorotoluene
Concen: 0.139 ppbv
RT: 15.51 min Scan# 3912
Delta R.T. -0.16 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

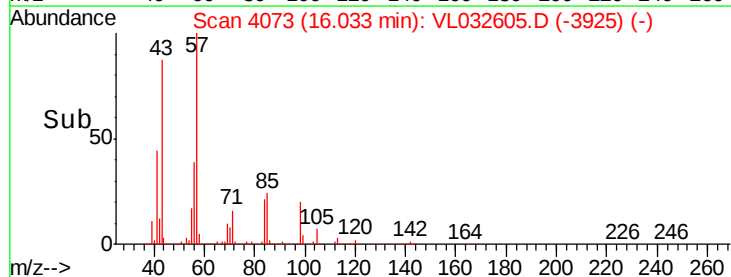
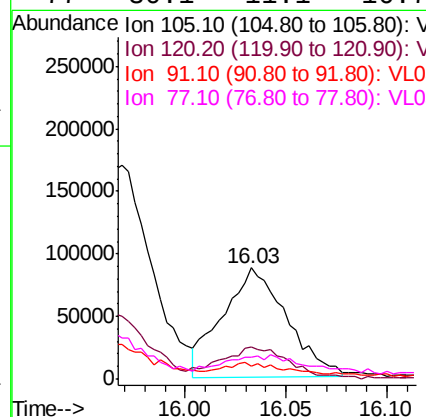
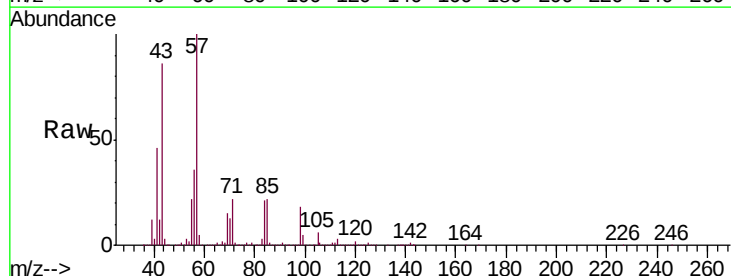
Instrument :
MSVOA_L
ClientSampleId :
SV-1

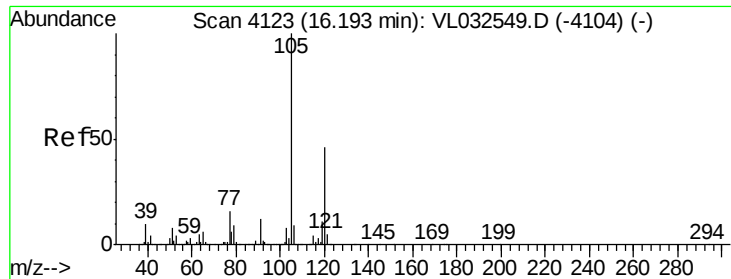
Tgt Ion: 91 Resp: 54046
Ion Ratio Lower Upper
91 100
126 12.5 11.9 47.7



#72
4-Ethyltoluene
Concen: 0.495 ppbv
RT: 16.03 min Scan# 4073
Delta R.T. -0.02 min
Lab File: VL032605.D
Acq: 11 Oct 2018 15:24

Tgt Ion: 105 Resp: 193901
Ion Ratio Lower Upper
105 100
120 33.8 23.5 35.3
91 16.7 10.2 15.2#
77 30.1 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.297 ppbv

RT: 16.19 min Scan# 4122

Delta R.T. -0.03 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampled :

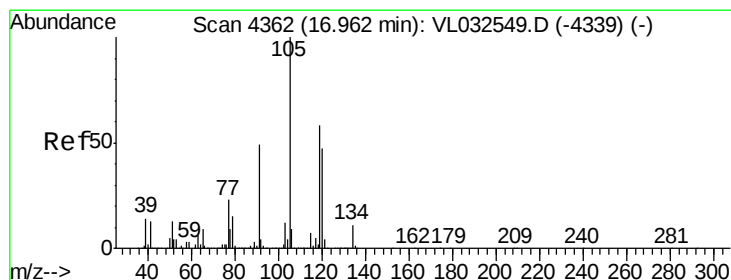
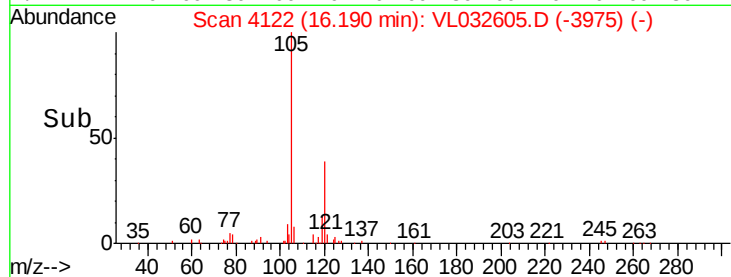
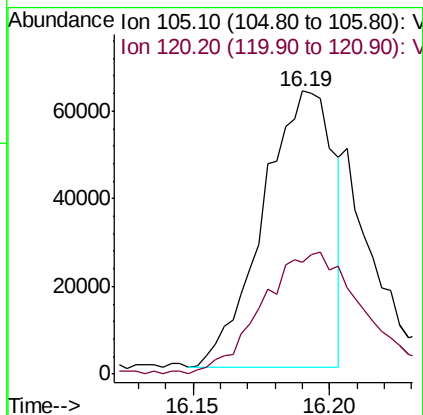
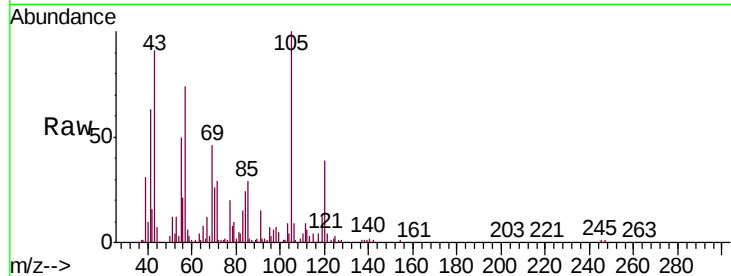
SV-1

Tgt Ion:105 Resp: 113239

Ion Ratio Lower Upper

105 100

120 40.2 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 1.520 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Tgt Ion:105 Resp: 623529

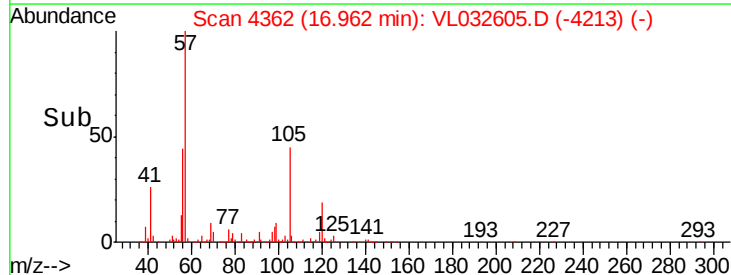
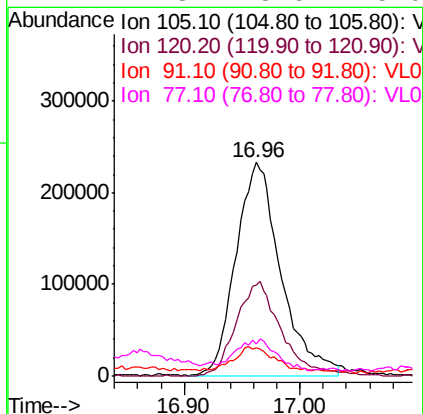
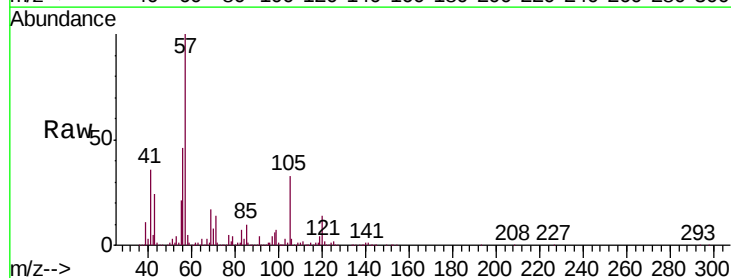
Ion Ratio Lower Upper

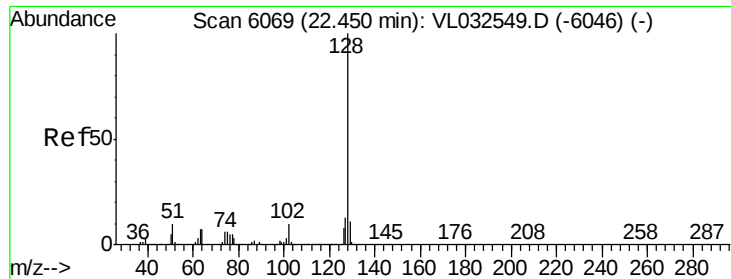
105 100

120 42.3 37.8 56.8

91 10.6 41.4 62.0#

77 12.3 18.6 28.0#





#79

Naphthalene

Concen: 0.860 ppbv

RT: 22.46 min Scan# 6073

Delta R.T. -0.01 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Instrument :

MSVOA_L

ClientSampleId :

SV-1

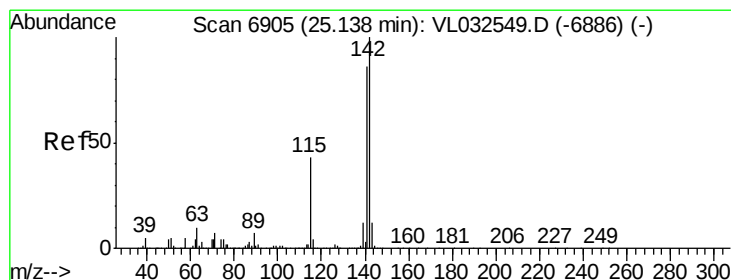
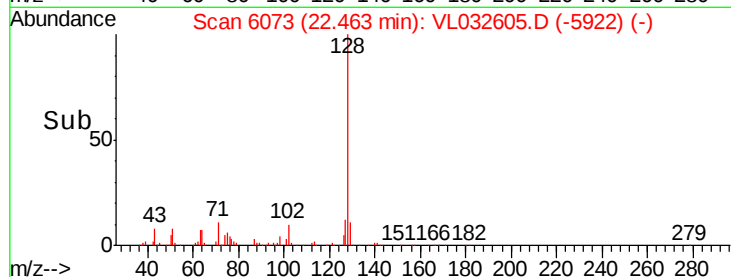
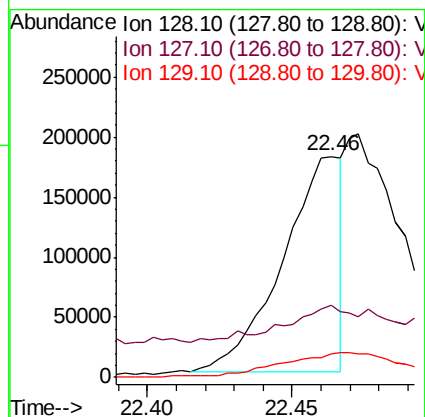
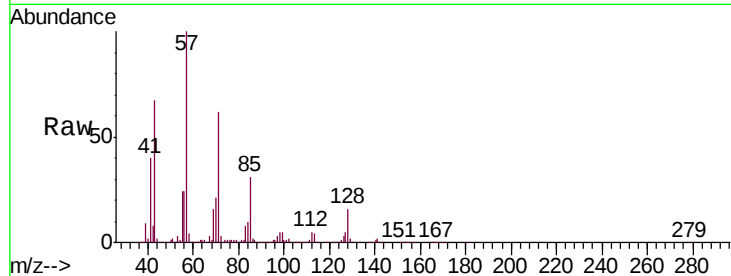
Tgt Ion:128 Resp: 254276

Ion Ratio Lower Upper

128 100

127 17.2 10.2 15.2#

129 10.3 8.5 12.7



#80

Naphthalene, 2-methyl-

Concen: 0.061 ppbv

RT: 25.09 min Scan# 6891

Delta R.T. -0.06 min

Lab File: VL032605.D

Acq: 11 Oct 2018 15:24

Tgt Ion:142 Resp: 4221

Ion Ratio Lower Upper

142 100

141 0.0 67.0 100.6#

115 61.0 31.3 46.9#

