

Data File : VL033386.D
Acq On : 19 Mar 2019 11:37
Operator : SY/AP
Sample : K1805-07 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-3

Quant Time: Mar 19 12:09:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	873641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1908997	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1855737	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1600993	11.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	35645	0.232	ppbv	92
3) Chlorodifluoromethane	3.01	51	18254	0.182	ppbv #	91
9) Propene	3.03	41	20562	0.459	ppbv #	28
10) Heptane	8.24	43	9737	0.088	ppbv #	56
11) Trichlorofluoromethane	4.00	101	7602	0.050	ppbv	93
13) Ethanol	3.65	45	23408	1.097	ppbv	94
15) Acetone	3.90	43	398522	2.934	ppbv	100
16) 1,3-Butadiene	3.34	39	54371	1.233	ppbv #	20
17) tert-Butyl alcohol	4.36	59	1340	0.070	ppbv #	74
19) Isopropyl Alcohol	4.03	45	23753	0.368	ppbv #	95
20) Methylene Chloride	4.40	84	42378	0.957	ppbv #	91
21) Allyl Chloride	4.43	41	3153	0.048	ppbv #	18
22) trans-1,2-Dichloroethene	4.96	96	180141	4.005	ppbv	98
24) 1,1-Dichloroethane	5.09	63	33710	0.297	ppbv	99
25) Ethyl Acetate	5.78	43	43152	0.219	ppbv #	78
26) Hexane	5.78	57	30501	0.346	ppbv #	27
27) Carbon Disulfide	4.62	76	32190	0.317	ppbv #	75
29) Chloroform	5.85	83	5818	0.040	ppbv	89
30) Cyclohexane	7.24	84	2999	0.042	ppbv #	1
31) cis-1,2-Dichloroethene	5.63	61	3640249	41.253	ppbv	95
32) 1,1,1-Trichloroethane	6.61	97	168373	1.187	ppbv	97
34) 2-Butanone	5.34	43	69740	0.556	ppbv	97
36) Benzene	7.00	78	128175	0.750	ppbv	95
38) Trichloroethene	7.96	130	1503350	23.254	ppbv	99
39) 1,2-Dichloropropane	7.73	63	20114	0.314	ppbv	92
52) Tetrachloroethene	11.39	164	9944335	139.717	ppbv	89
53) Toluene	9.95	91	149777	0.772	ppbv	99
58) Ethyl Benzene	12.87	91	14710	0.056	ppbv	90
59) m/p-Xylene	13.12	91	103812	0.460	ppbv #	100
60) o-Xylene	13.84	91	58202	0.264	ppbv	91
63) 1,1,2,2-Tetrachloroethane	13.94	83	35974	0.226	ppbv #	1
64) n-propylbenzene	15.72	120	63181	0.816	ppbv #	40
65) tert-Butylbenzene	16.93	119	115474	0.419	ppbv #	58
67) sec-Butylbenzene	17.46	105	68814	0.176	ppbv #	60
69) p-Isopropyltoluene	17.83	119	74908	0.235	ppbv #	1
71) 2-Chlorotoluene	15.73	91	356265	1.496	ppbv	98
72) 4-Ethyltoluene	16.01	105	256441	1.026	ppbv #	77
73) 1,3,5-Trimethylbenzene	16.16	105	425580	1.748	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	871473	3.379	ppbv #	69

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data File : VL033386.D

Acq On : 19 Mar 2019 11:37

Operator : SY/AP

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Instrument :

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ClientSampleId :

ST-SS-3

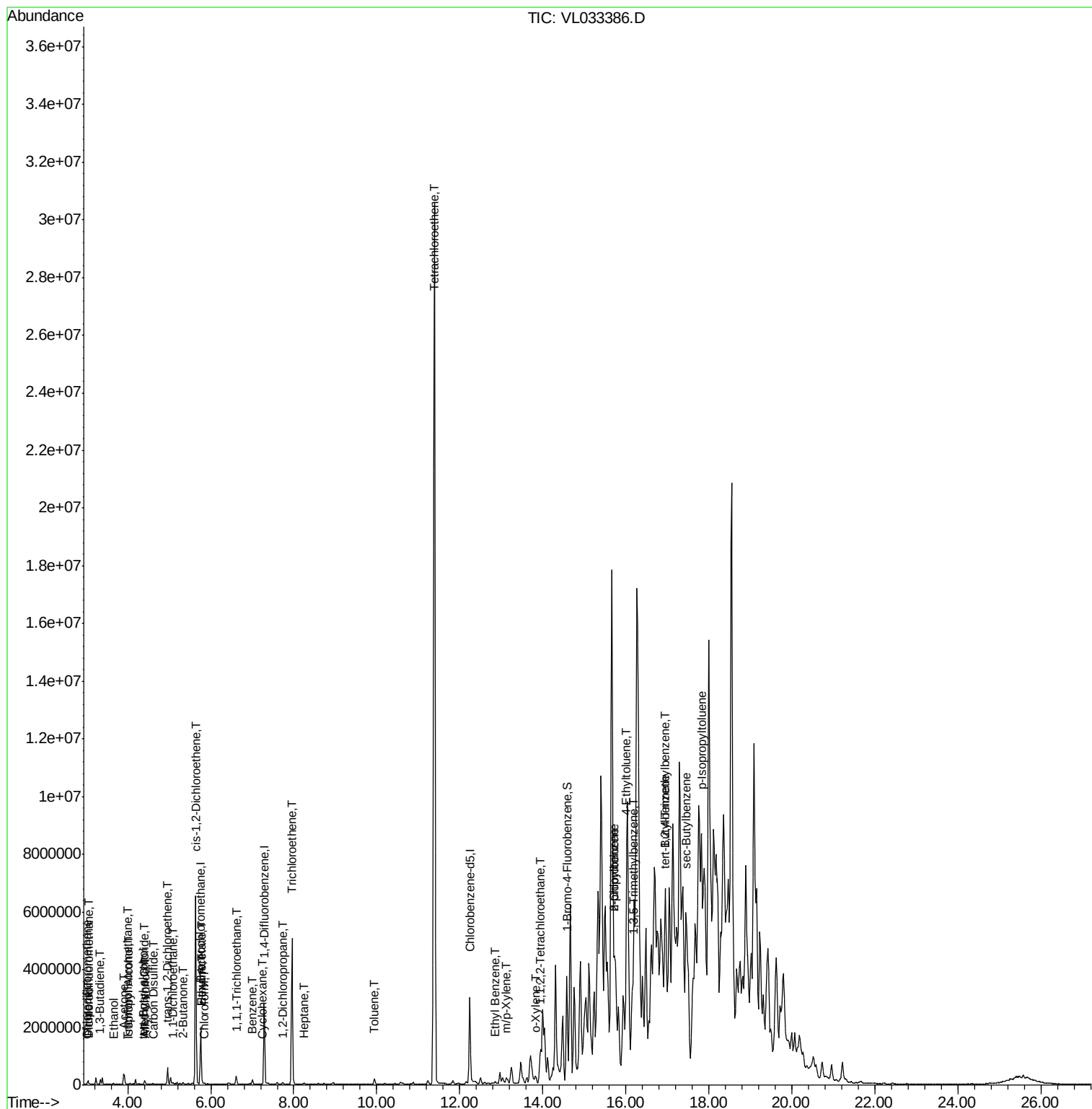
Quant Time: Mar 19 12:09:29 2019

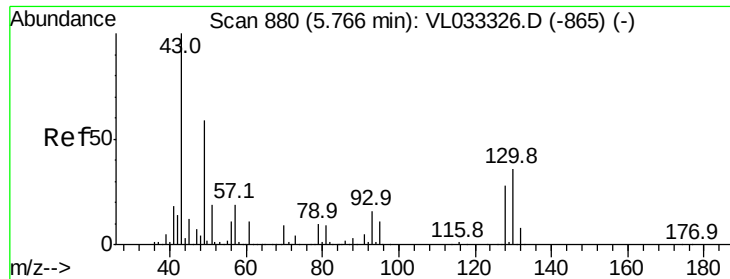
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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Response via : Initial Calibration

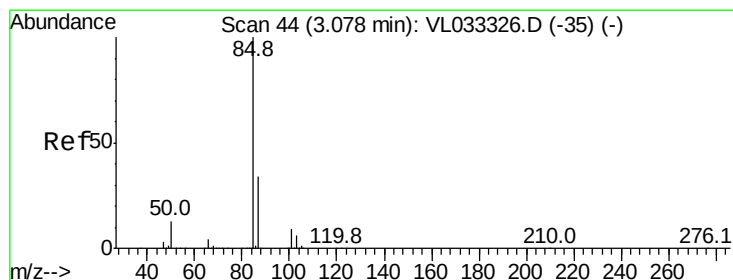
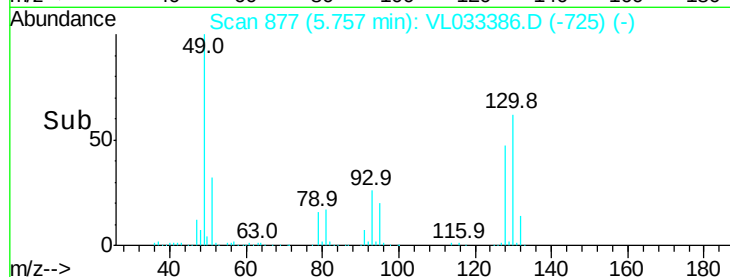
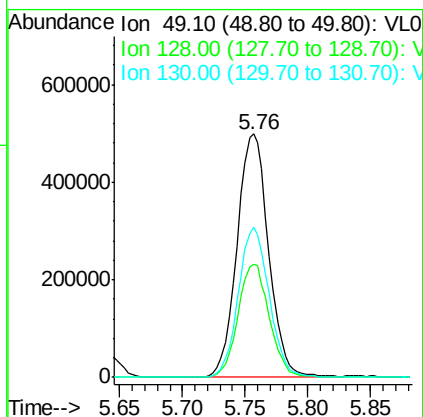
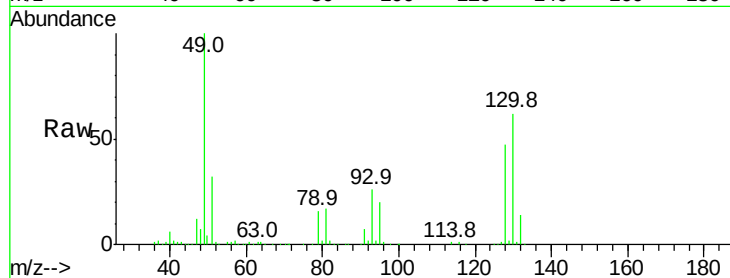




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033386.D
 Acq: 19 Mar 2019 11:37

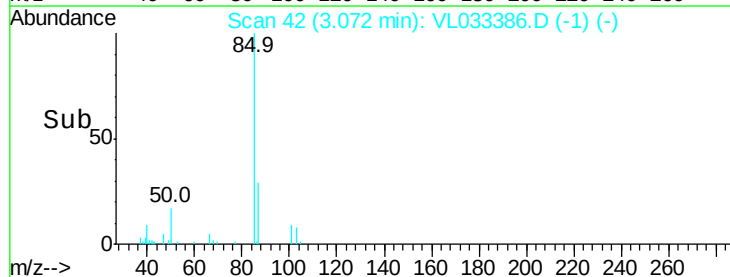
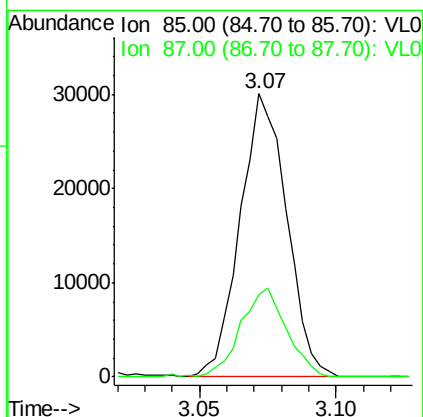
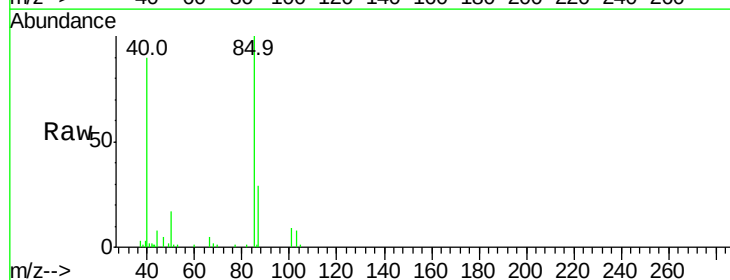
Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-3

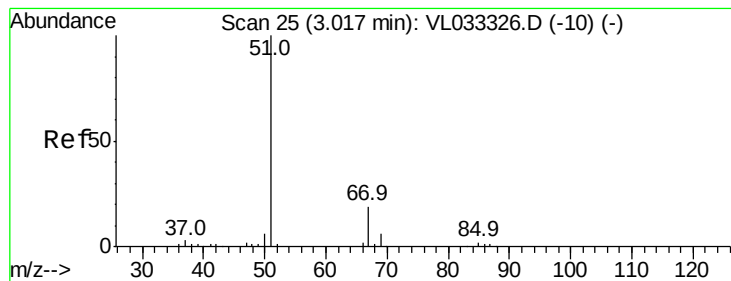
Tgt Ion: 49 Resp: 873641
 Ion Ratio Lower Upper
 49 100
 128 46.4 23.5 70.6
 130 60.6 30.1 90.3



#2
 Dichlorodifluoromethane
 Concen: 0.232 ppbv
 RT: 3.07 min Scan# 42
 Delta R.T. -0.01 min
 Lab File: VL033386.D
 Acq: 19 Mar 2019 11:37

Tgt Ion: 85 Resp: 35645
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.182 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

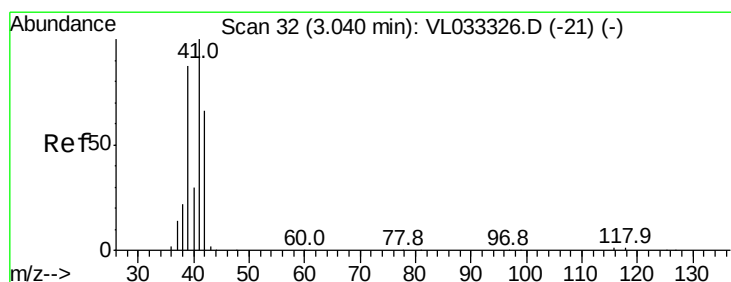
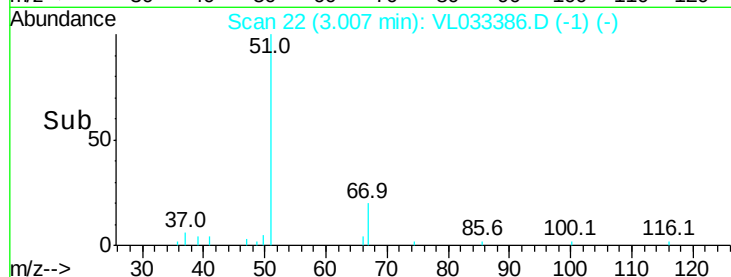
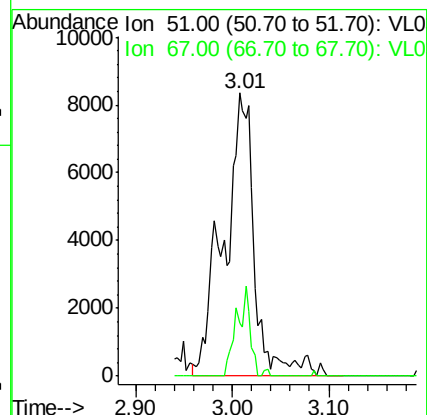
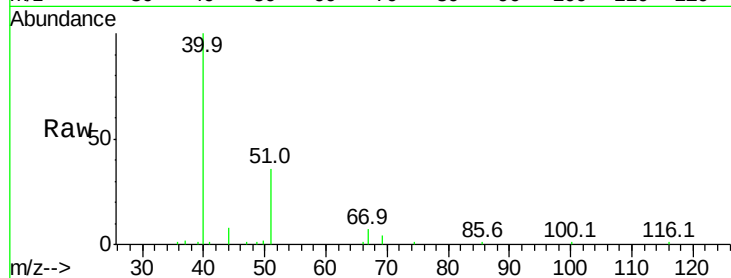
ST-SS-3

Tgt Ion: 51 Resp: 18254

Ion Ratio Lower Upper

51 100

67 14.4 14.9 22.3#



#9

Propene

Concen: 0.459 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL033386.D

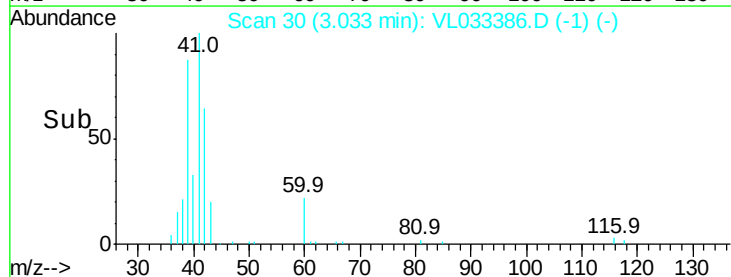
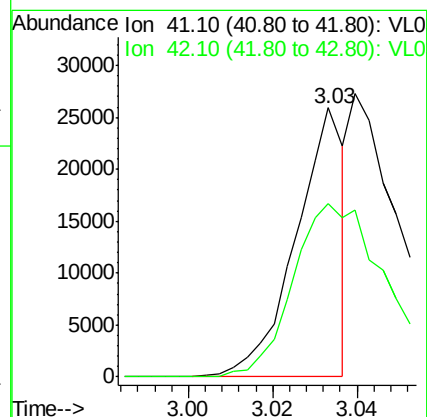
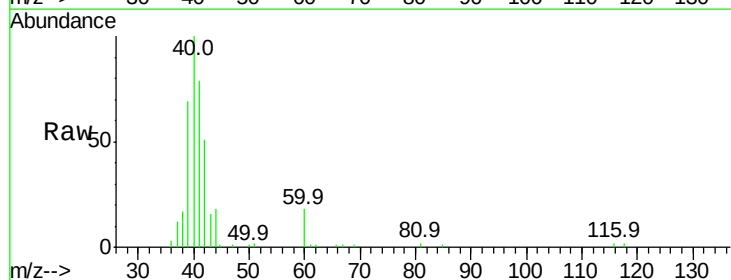
Acq: 19 Mar 2019 11:37

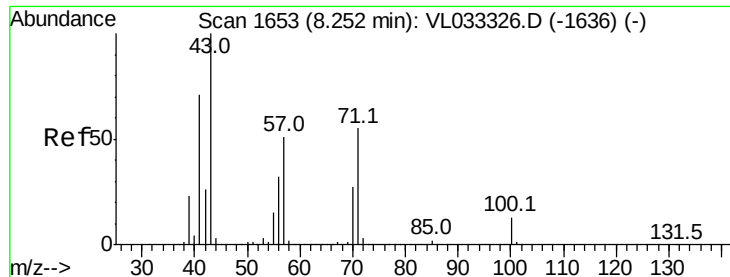
Tgt Ion: 41 Resp: 20562

Ion Ratio Lower Upper

41 100

42 127.9 55.2 82.8#





#10

Heptane

Concen: 0.088 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

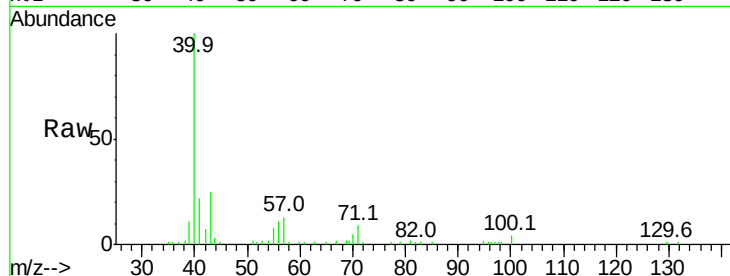
ST-SS-3

Tgt Ion: 43 Resp: 9737

Ion Ratio Lower Upper

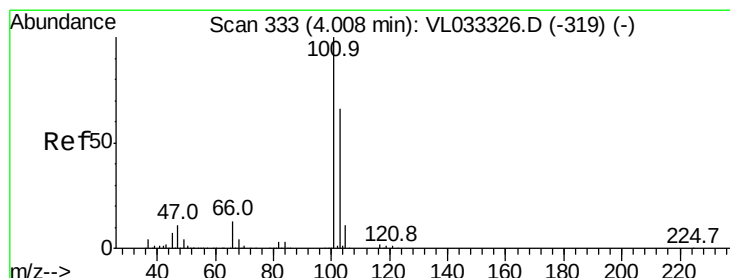
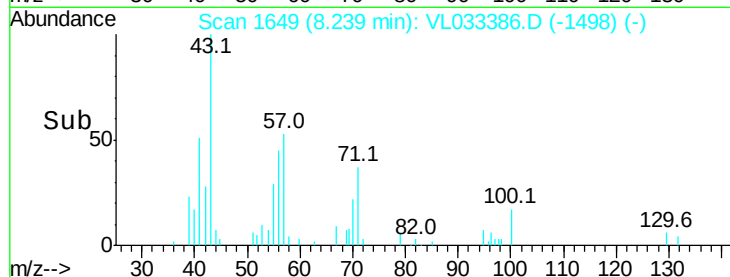
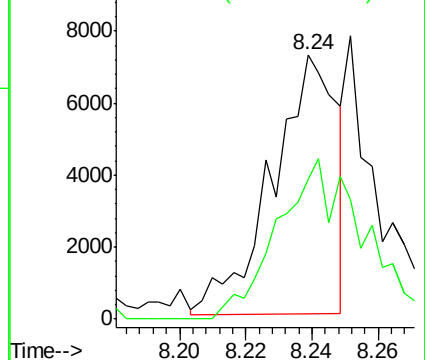
43 100

57 80.9 40.4 60.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.050 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL033386.D

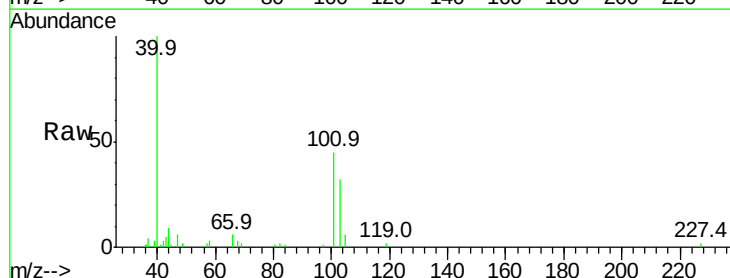
Acq: 19 Mar 2019 11:37

Tgt Ion: 101 Resp: 7602

Ion Ratio Lower Upper

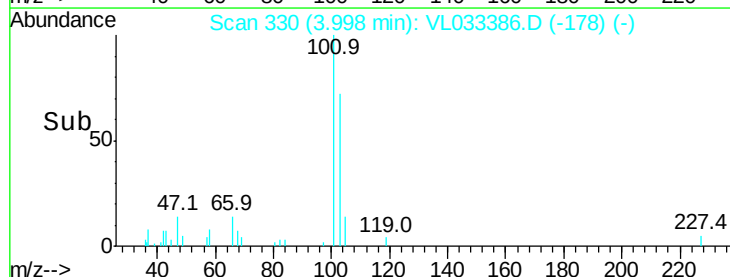
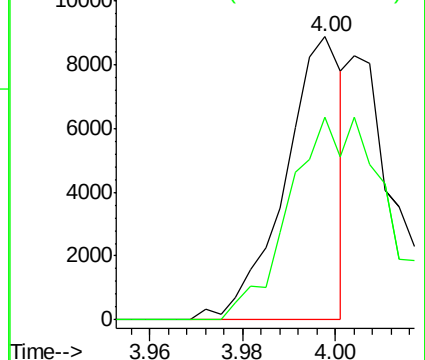
101 100

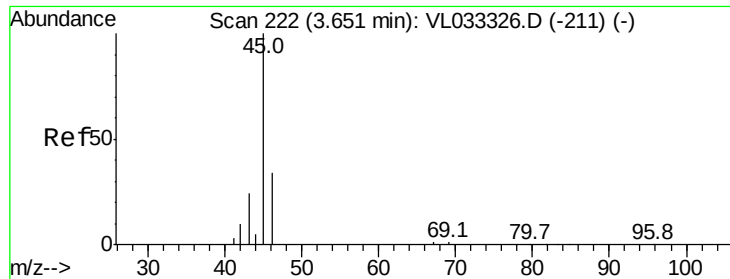
103 71.8 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 1.097 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

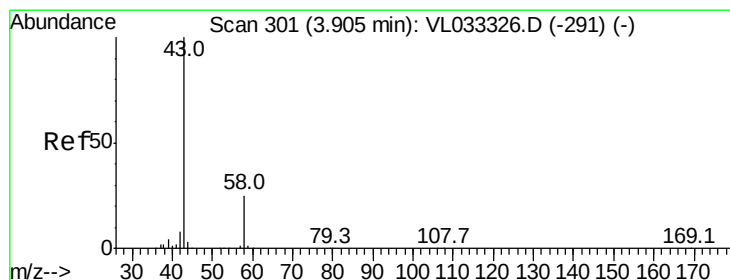
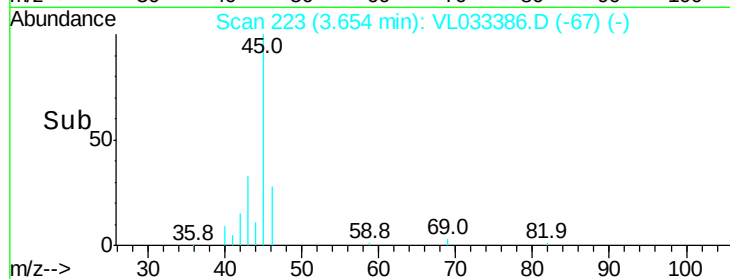
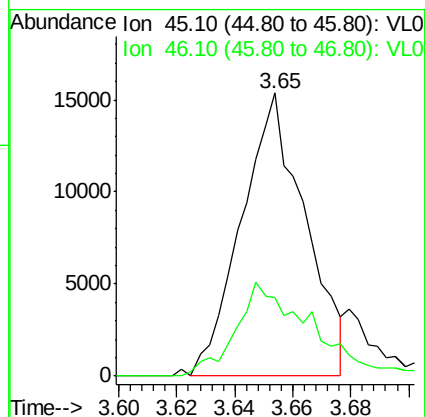
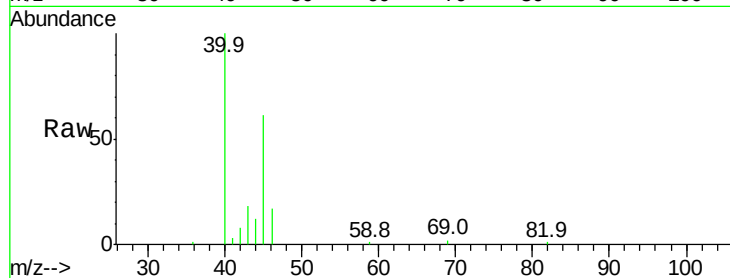
ST-SS-3

Tgt Ion: 45 Resp: 23408

Ion Ratio Lower Upper

45 100

46 40.6 14.9 59.7



#15

Acetone

Concen: 2.934 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033386.D

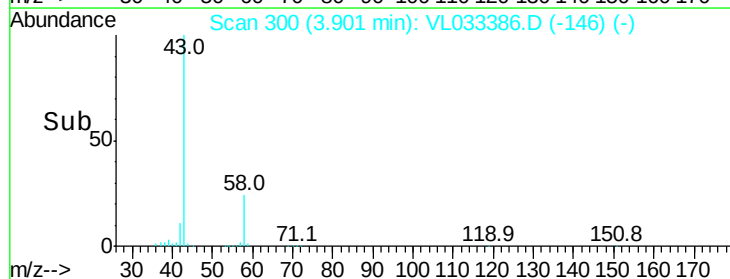
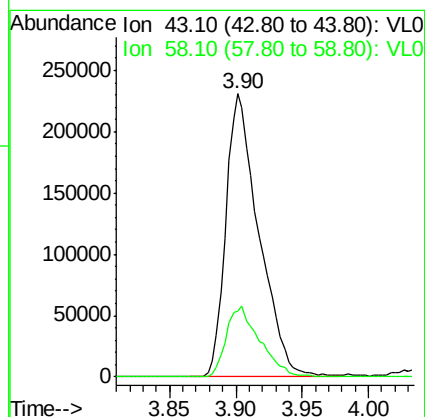
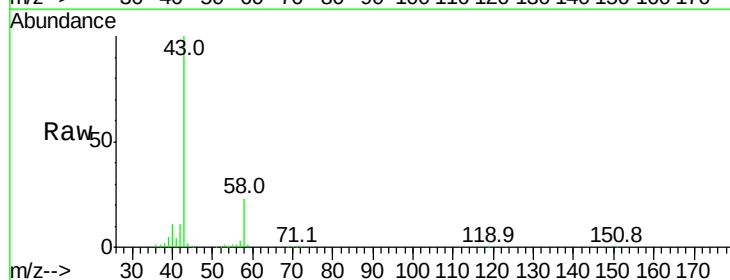
Acq: 19 Mar 2019 11:37

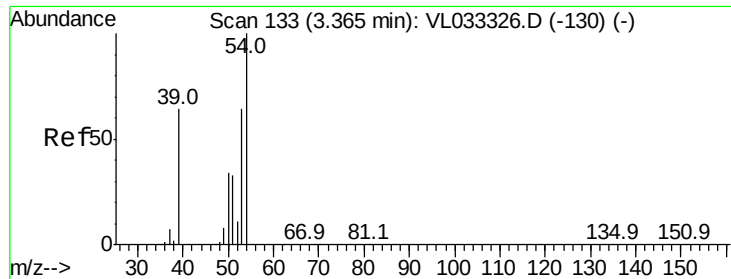
Tgt Ion: 43 Resp: 398522

Ion Ratio Lower Upper

43 100

58 25.6 20.4 30.6





#16

1,3-Butadiene

Concen: 1.233 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.03 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

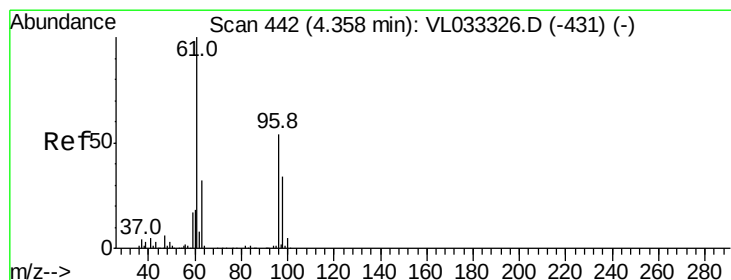
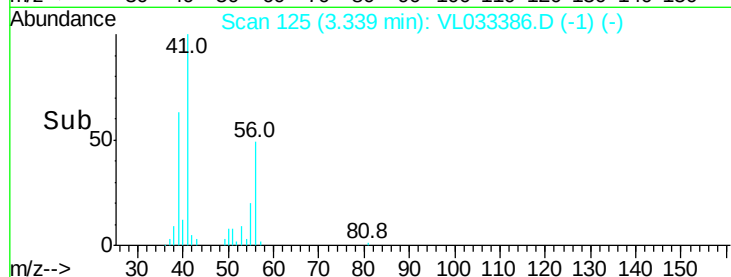
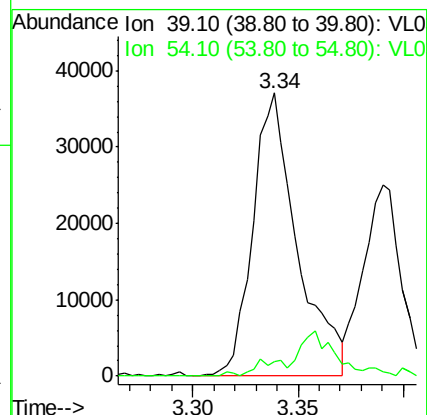
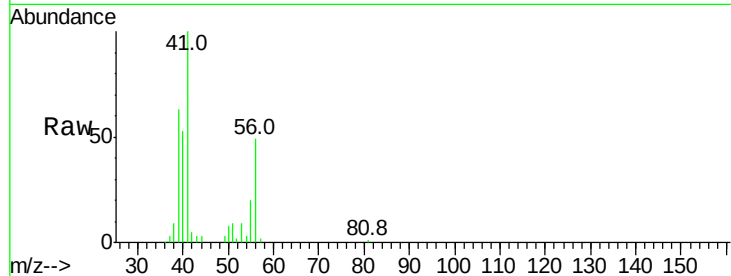
ST-SS-3

Tgt Ion: 39 Resp: 54371

Ion Ratio Lower Upper

39 100

54 17.5 76.8 115.2#



#17

tert-Butyl alcohol

Concen: 0.070 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033386.D

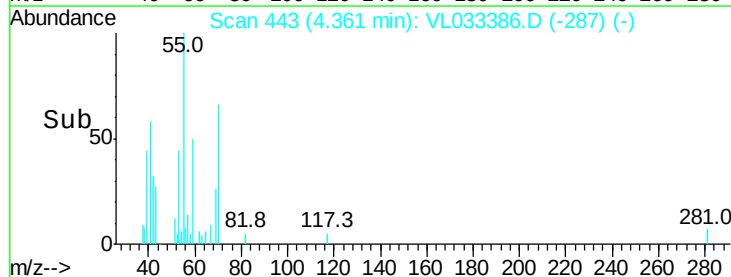
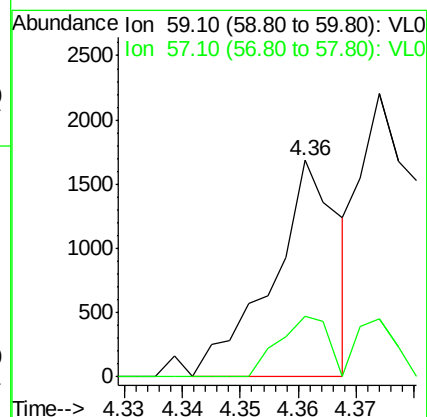
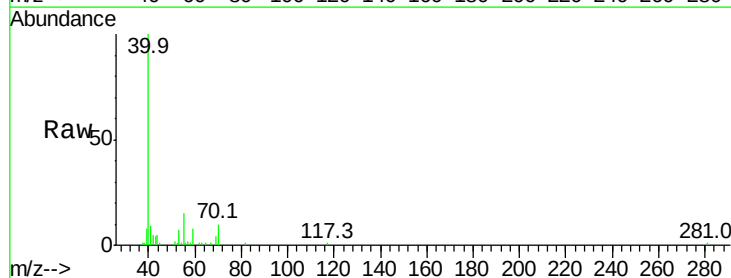
Acq: 19 Mar 2019 11:37

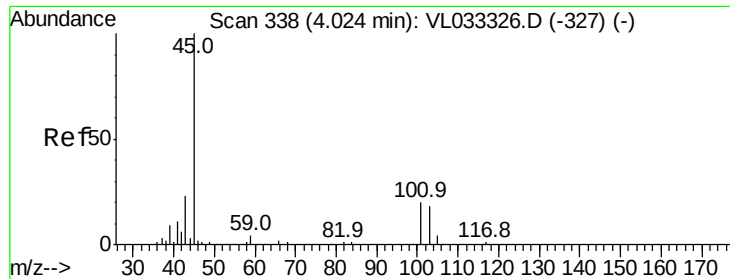
Tgt Ion: 59 Resp: 1340

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#19

Isopropyl Alcohol

Concen: 0.368 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

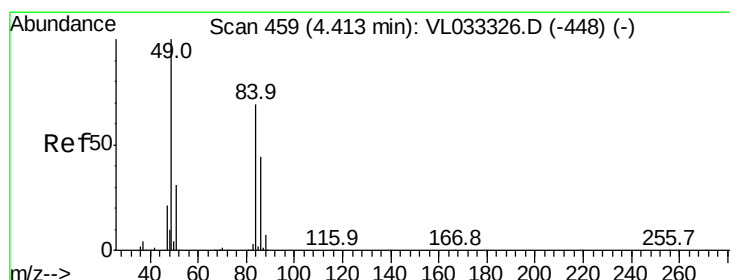
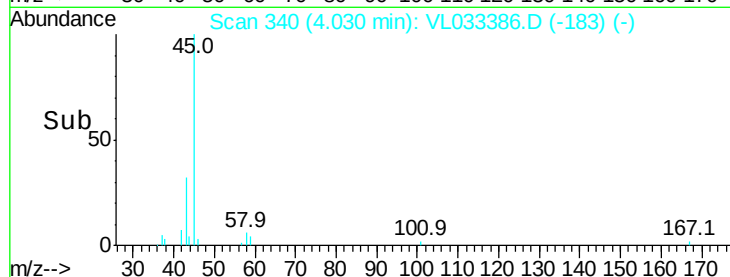
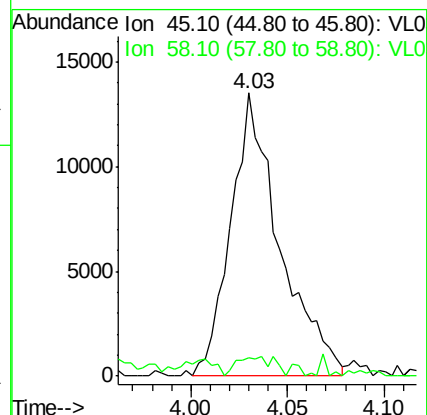
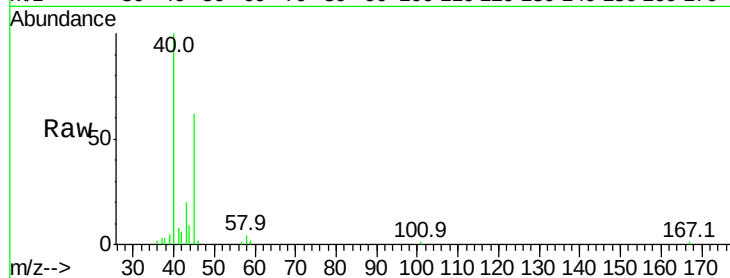
ST-SS-3

Tgt Ion: 45 Resp: 23753

Ion Ratio Lower Upper

45 100

58 0.0 1.5 2.3#



#20

Methylene Chloride

Concen: 0.957 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Tgt Ion: 84 Resp: 42378

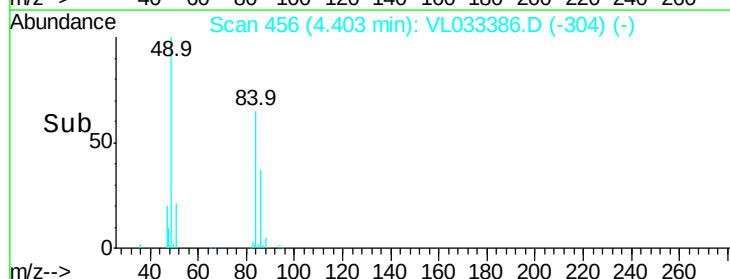
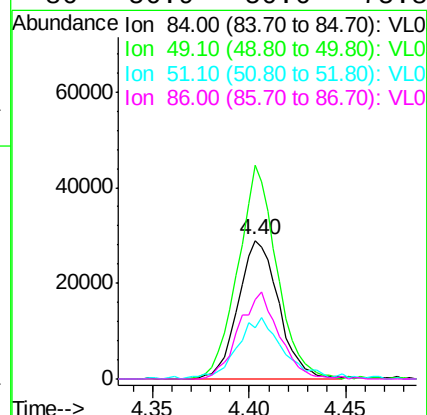
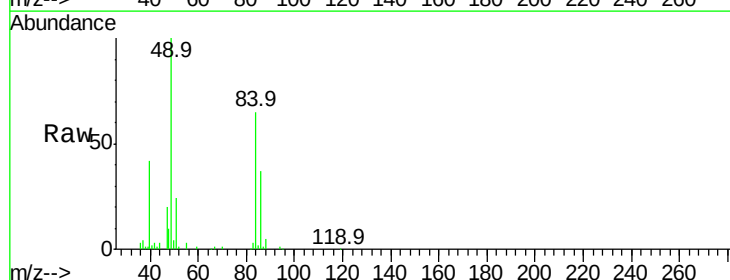
Ion Ratio Lower Upper

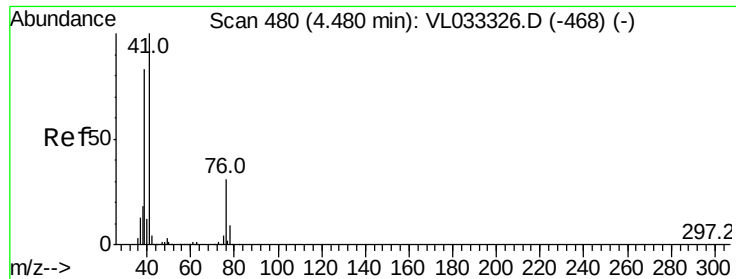
84 100

49 154.1 115.4 173.0

51 34.5 35.8 53.6#

86 56.9 50.6 75.8





#21

Allyl Chloride

Concen: 0.048 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.05 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

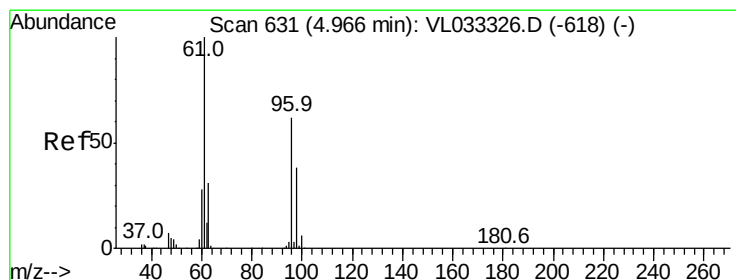
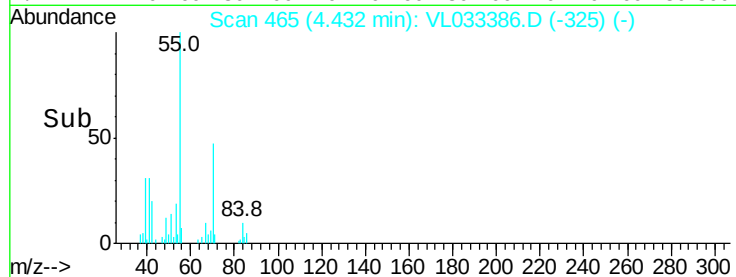
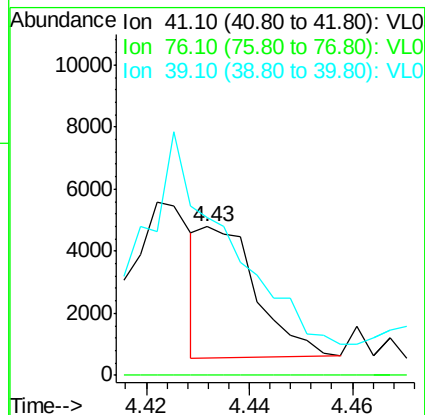
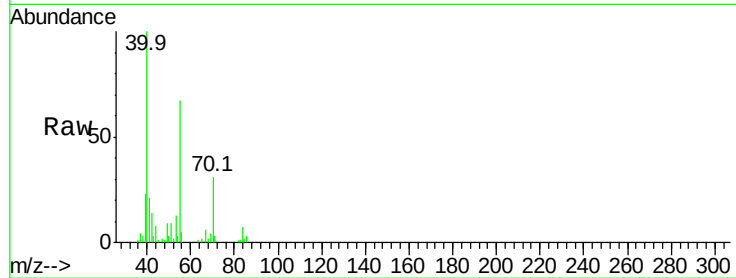
Tgt Ion: 41 Resp: 3153

Ion Ratio Lower Upper

41 100

76 0.0 25.0 37.4#

39 0.0 65.9 98.9#



#22

trans-1,2-Dichloroethene

Concen: 4.005 ppbv

RT: 4.96 min Scan# 628

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

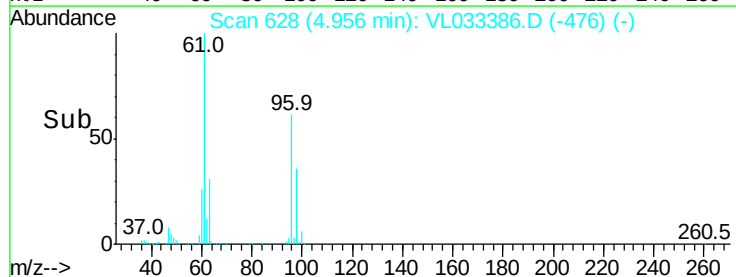
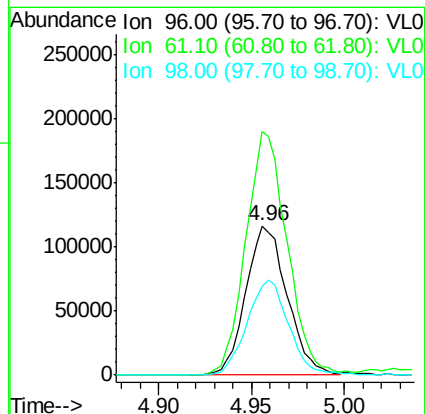
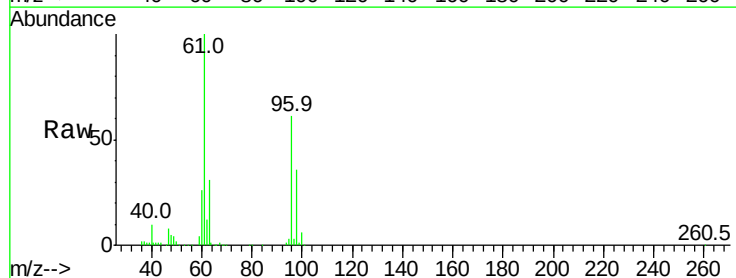
Tgt Ion: 96 Resp: 180141

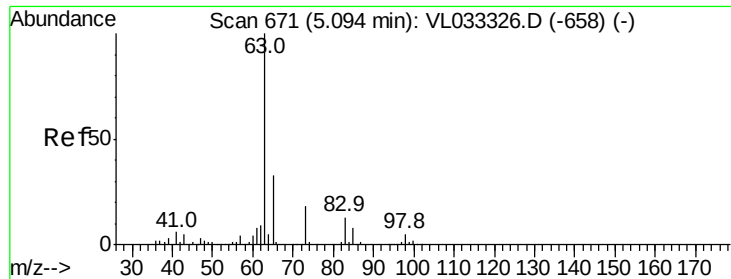
Ion Ratio Lower Upper

96 100

61 163.5 130.0 195.0

98 59.3 50.0 75.0





#24

1,1-Dichloroethane

Concen: 0.297 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

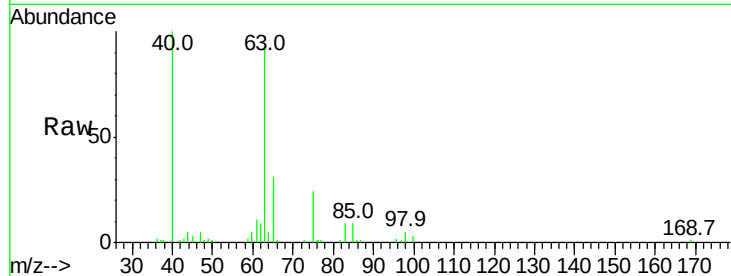
Tgt Ion: 63 Resp: 33710

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

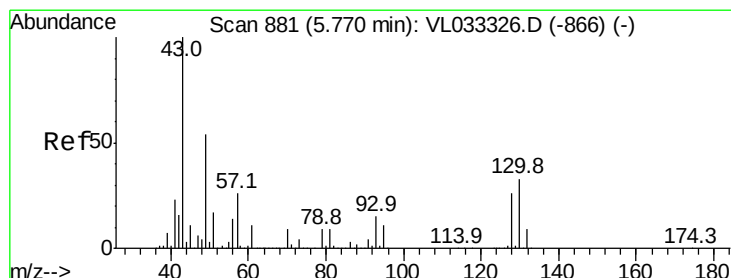
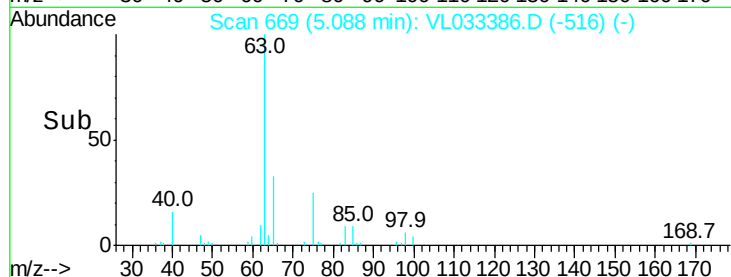
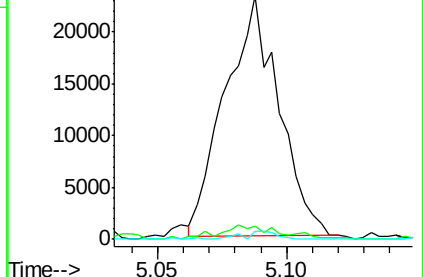
100 3.6 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.219 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Tgt Ion: 43 Resp: 43152

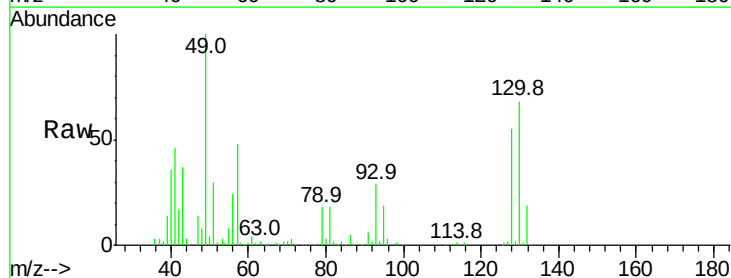
Ion Ratio Lower Upper

43 100

45 0.8 7.9 11.9#

61 0.0 7.4 11.2#

70 2.9 5.7 8.5#

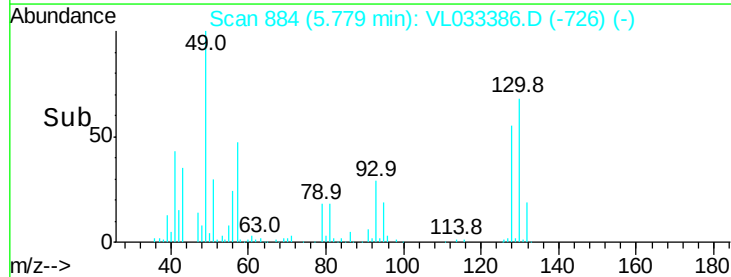
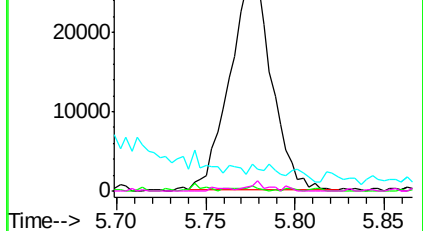


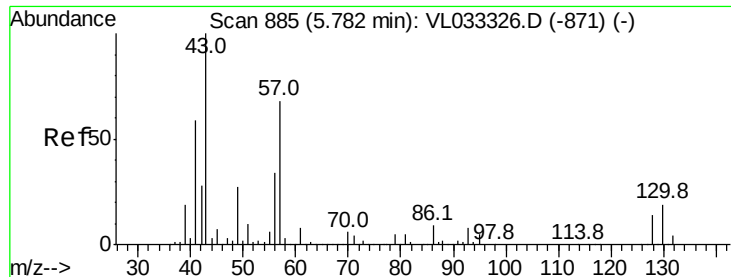
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

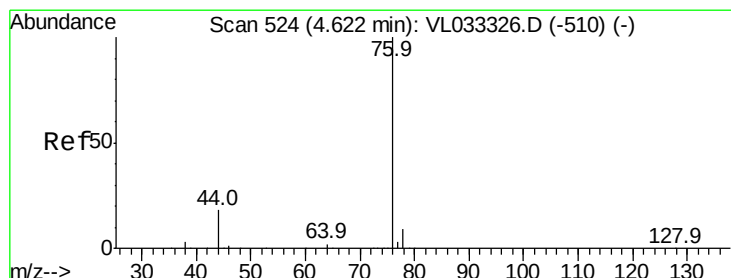
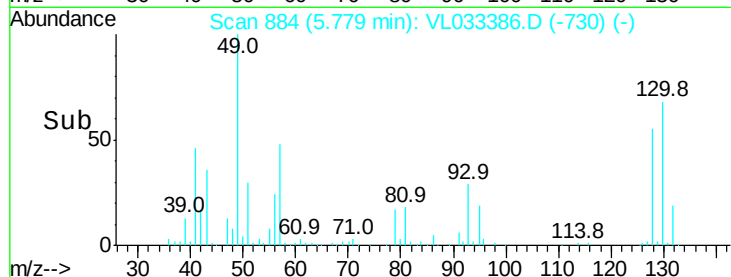
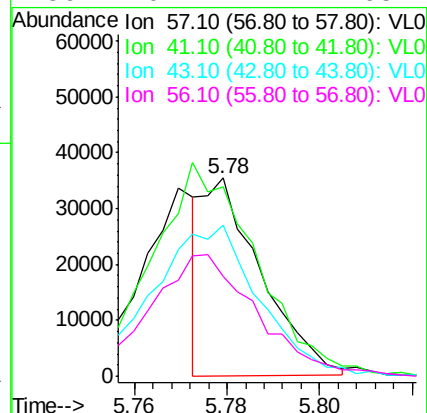
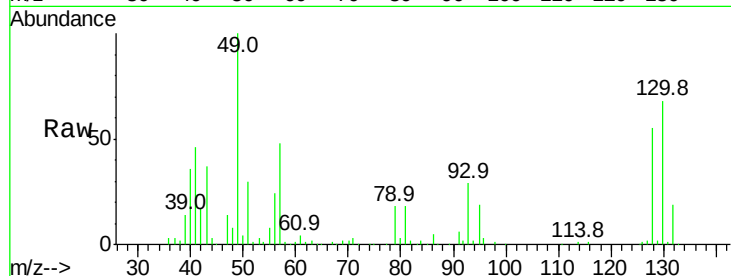




#26
Hexane
Concen: 0.346 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

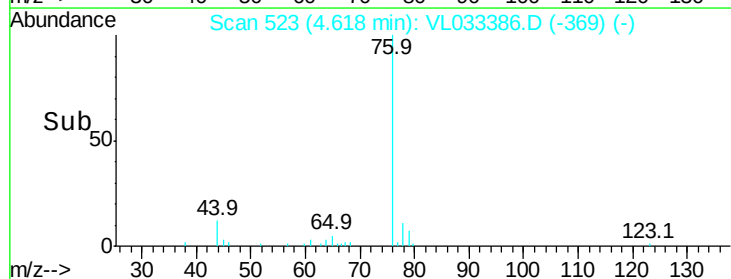
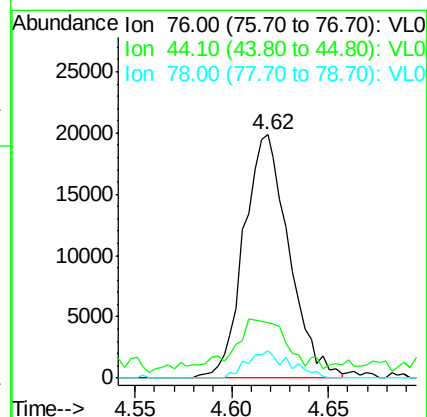
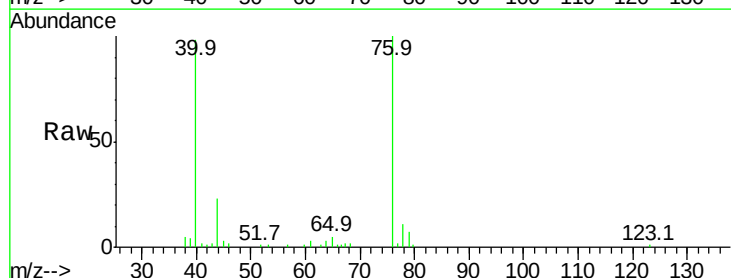
Instrument :
MSVOA_L
ClientSampleId :
ST-SS-3

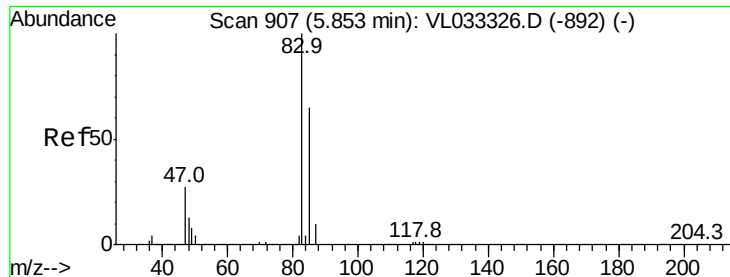
Tgt Ion: 57 Resp: 30501
Ion Ratio Lower Upper
57 100
41 201.1 70.5 105.7#
43 145.9 181.8 272.8#
56 116.7 42.2 63.2#



#27
Carbon Disulfide
Concen: 0.317 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

Tgt Ion: 76 Resp: 32190
Ion Ratio Lower Upper
76 100
44 34.4 15.2 22.8#
78 10.7 7.2 10.8

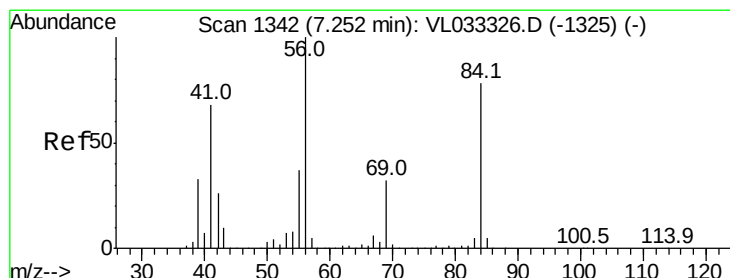
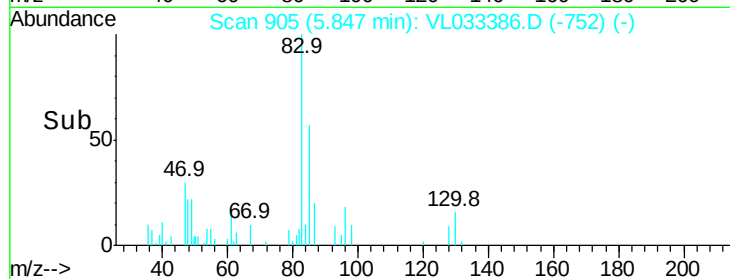
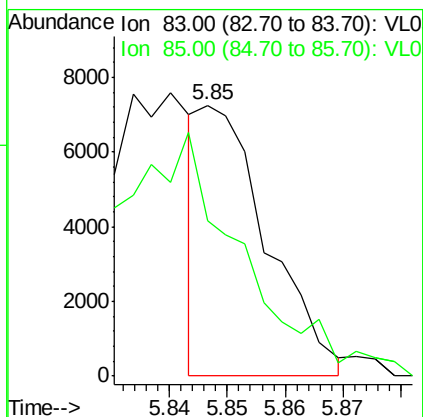
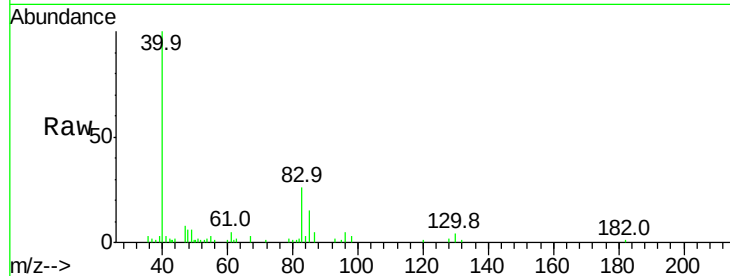




#29
Chloroform
Concen: 0.040 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

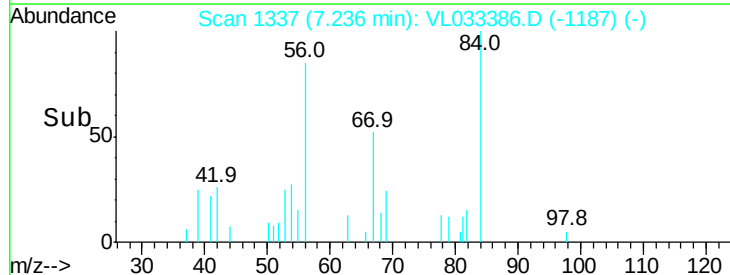
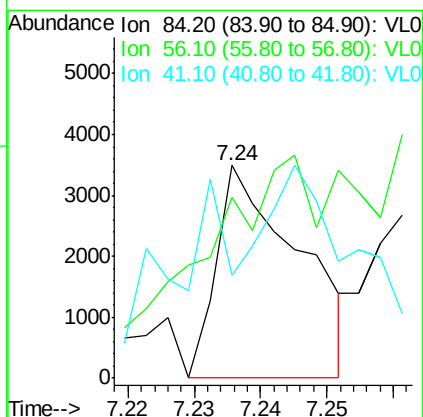
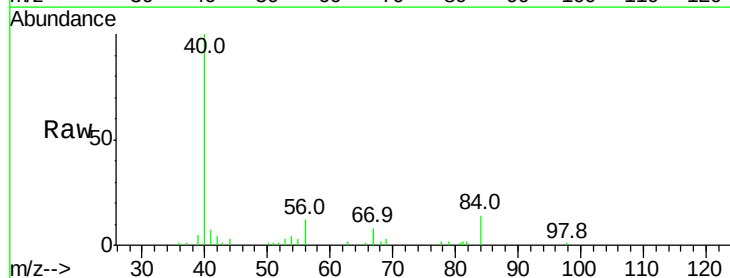
Instrument :
MSVOA_L
ClientSampleId :
ST-SS-3

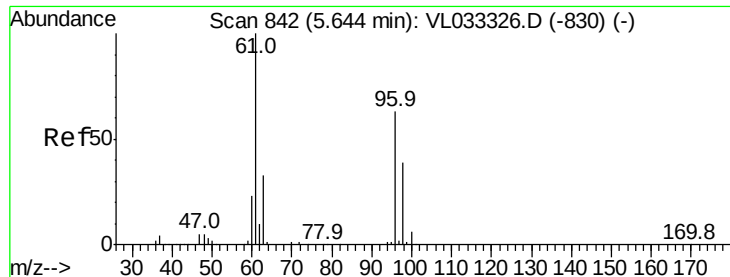
Tgt Ion: 83 Resp: 5818
Ion Ratio Lower Upper
83 100
85 56.0 52.0 78.0



#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.02 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

Tgt Ion: 84 Resp: 2999
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 220.6 69.6 104.4#





#31

cis-1,2-Dichloroethene

Concen: 41.253 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

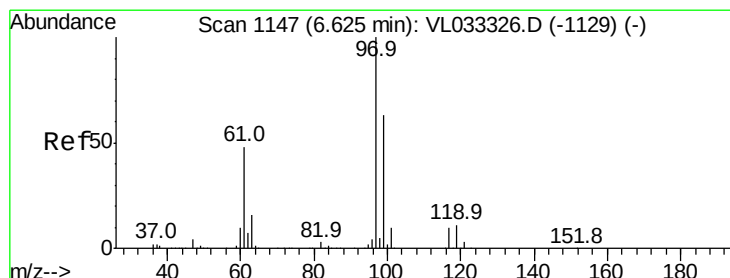
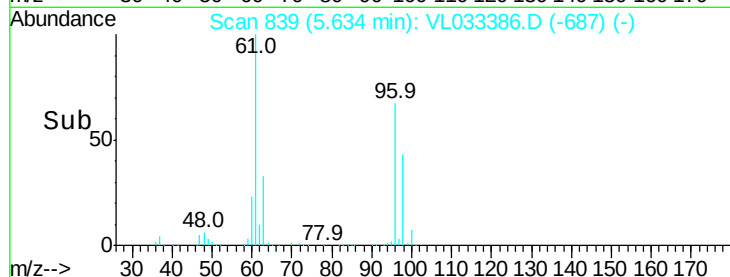
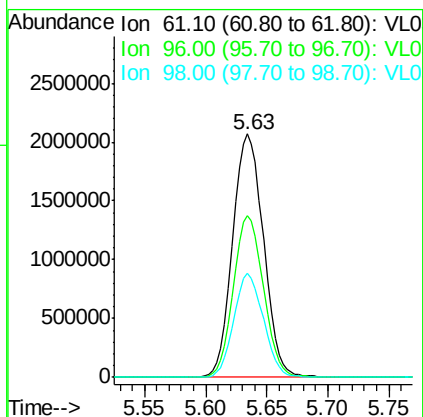
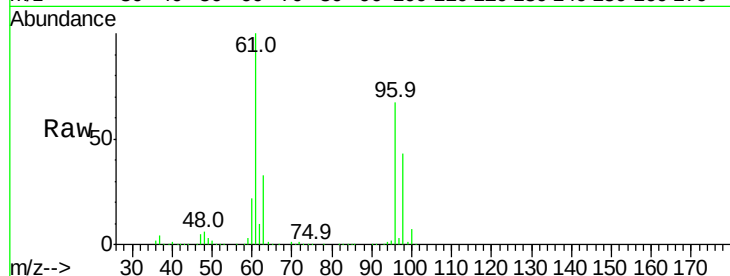
Tgt Ion: 61 Resp: 3640249

Ion Ratio Lower Upper

61 100

96 66.7 50.3 75.5

98 43.0 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 1.187 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

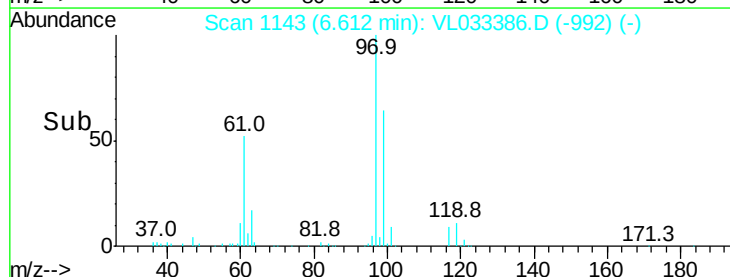
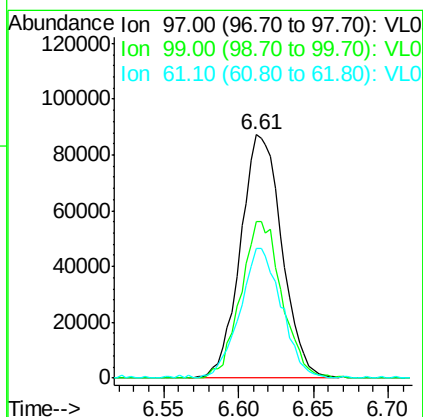
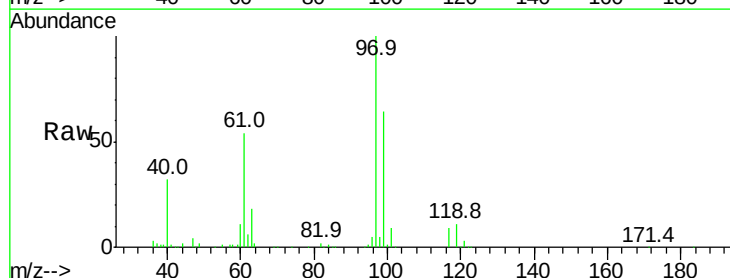
Tgt Ion: 97 Resp: 168373

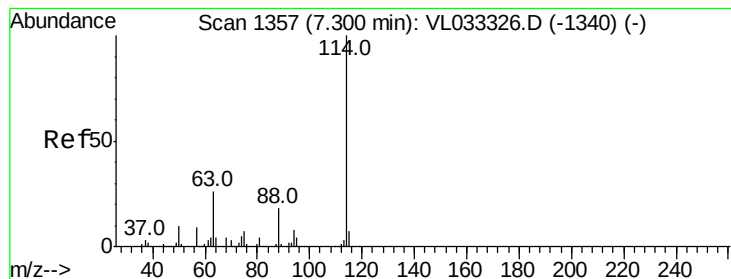
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 53.6 39.3 58.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

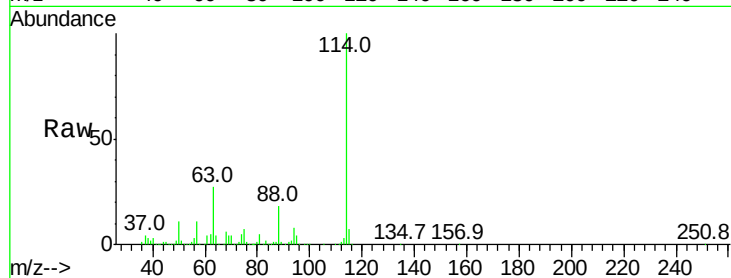
Tgt Ion:114 Resp: 1908997

Ion Ratio Lower Upper

114 100

63 27.5 21.4 32.2

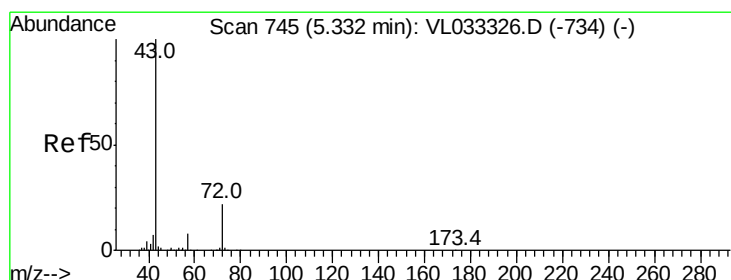
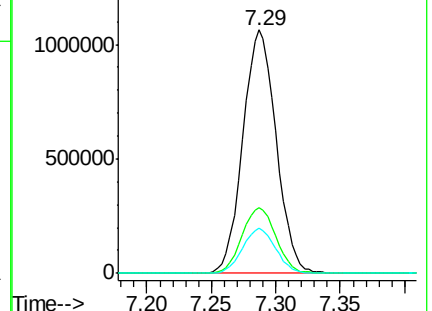
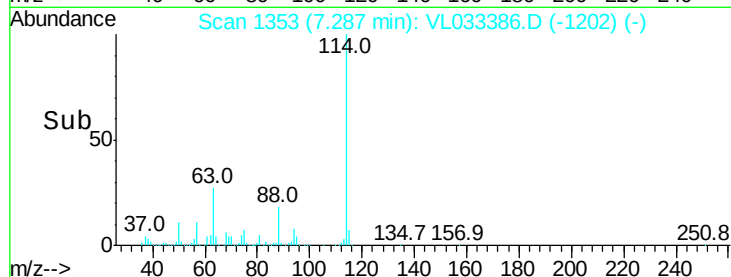
88 18.5 14.5 21.7



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: 0.556 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.00 min

Lab File: VL033386.D

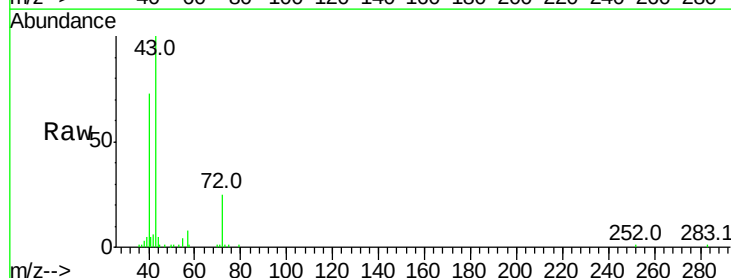
Acq: 19 Mar 2019 11:37

Tgt Ion: 43 Resp: 69740

Ion Ratio Lower Upper

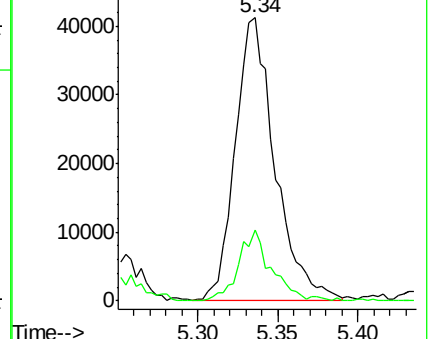
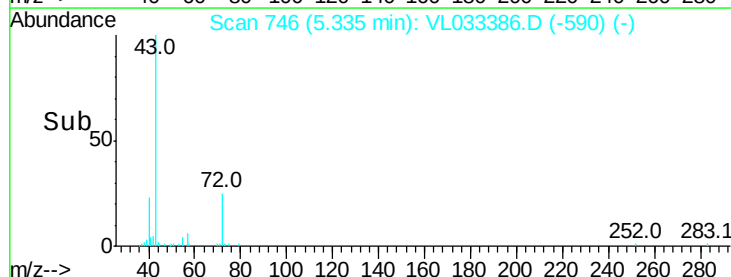
43 100

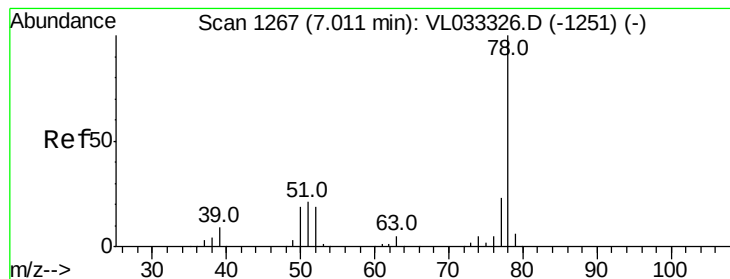
72 20.7 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.750 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

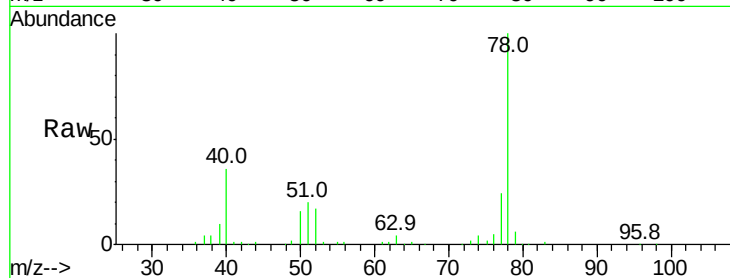
Tgt Ion: 78 Resp: 128175

Ion Ratio Lower Upper

78 100

77 23.9 18.1 27.1

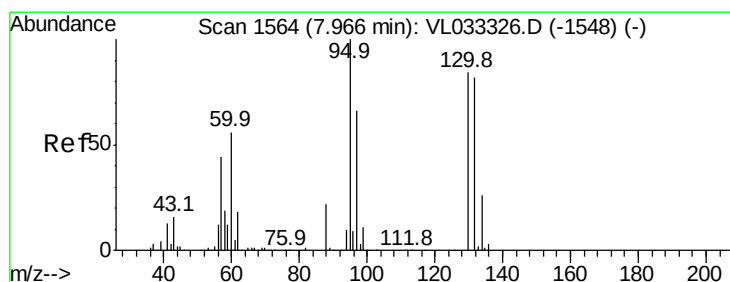
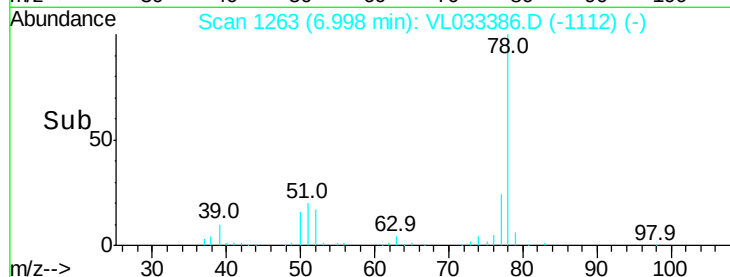
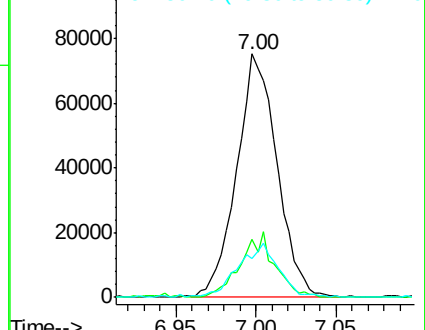
50 16.0 15.2 22.8



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



#38

Trichloroethene

Concen: 23.254 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Tgt Ion:130 Resp: 1503350

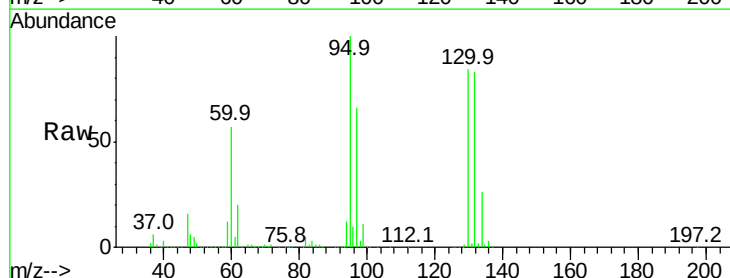
Ion Ratio Lower Upper

130 100

95 118.8 95.2 142.8

132 99.0 77.7 116.5

97 78.3 62.8 94.2

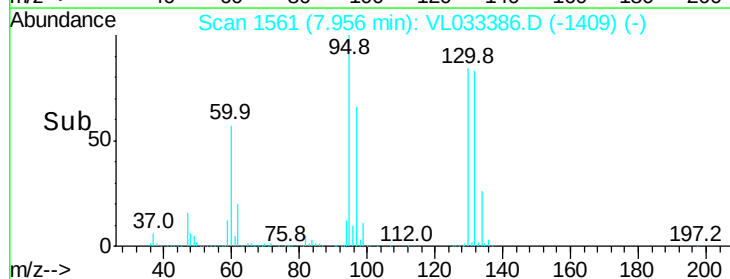
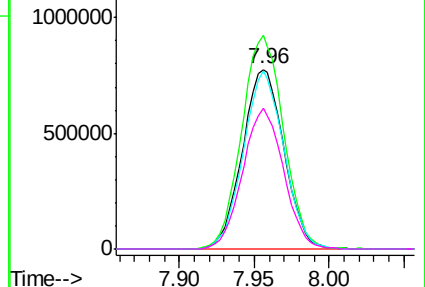


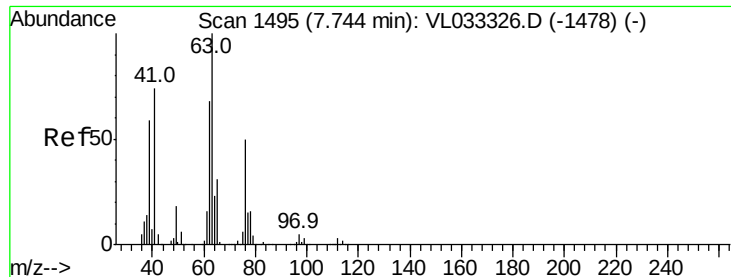
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.314 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

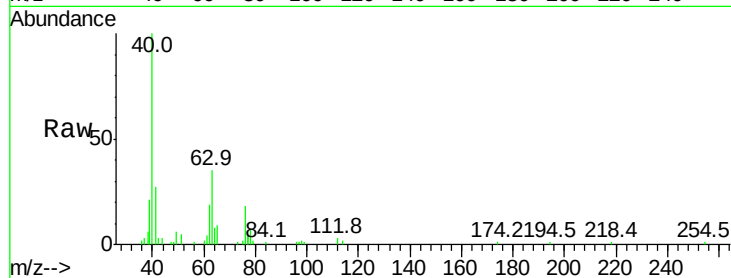
Tgt Ion: 63 Resp: 20114

Ion Ratio Lower Upper

63 100

41 72.7 59.5 89.3

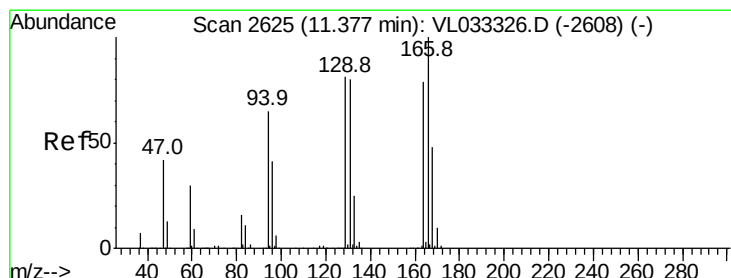
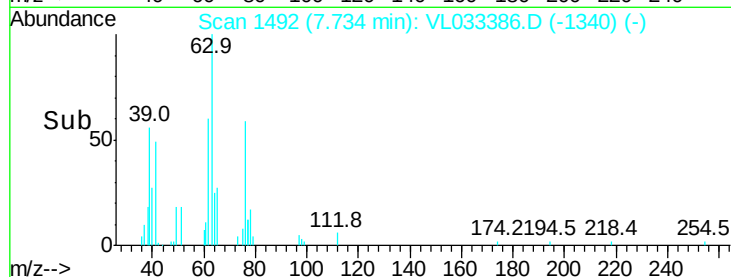
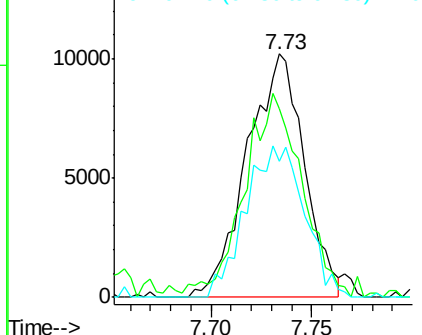
62 55.8 54.7 82.1



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



#52

Tetrachloroethene

Concen: 139.717 ppbv

RT: 11.39 min Scan# 2628

Delta R.T. 0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Tgt Ion: 164 Resp: 9944335

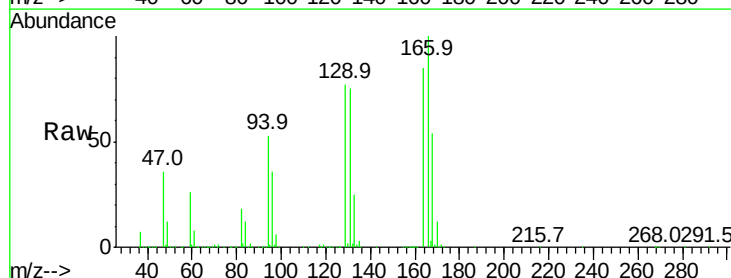
Ion Ratio Lower Upper

164 100

166 117.6 101.5 152.3

129 90.7 82.2 123.2

131 88.2 81.1 121.7

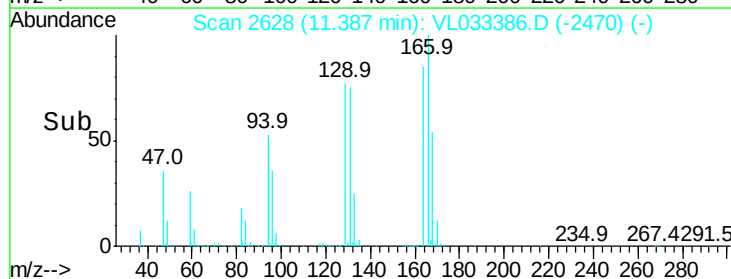
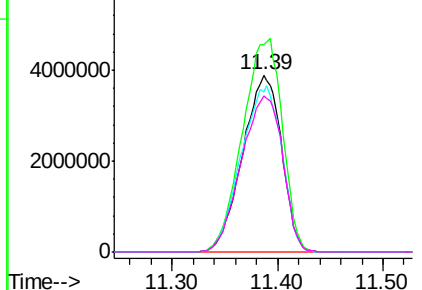


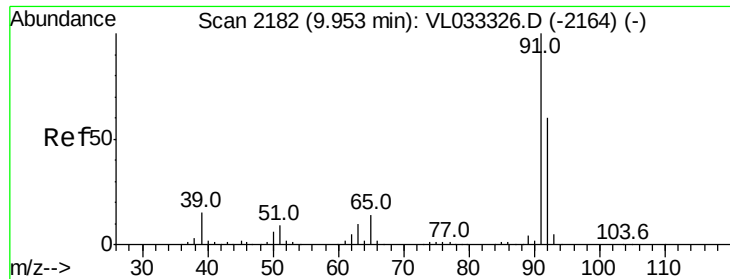
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.772 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

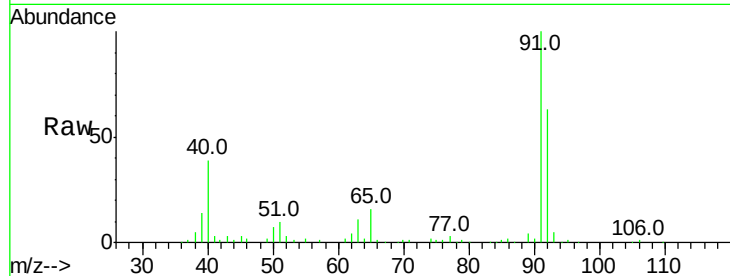
ST-SS-3

Tgt Ion: 91 Resp: 149777

Ion Ratio Lower Upper

91 100

92 60.0 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

80000

60000

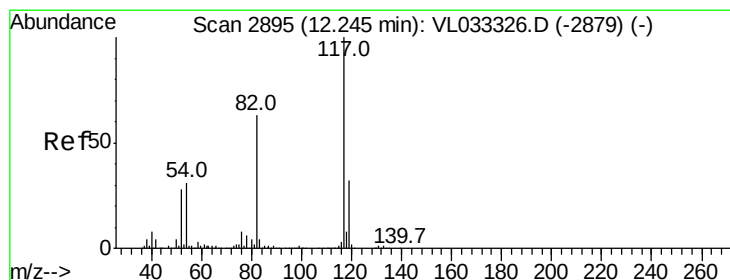
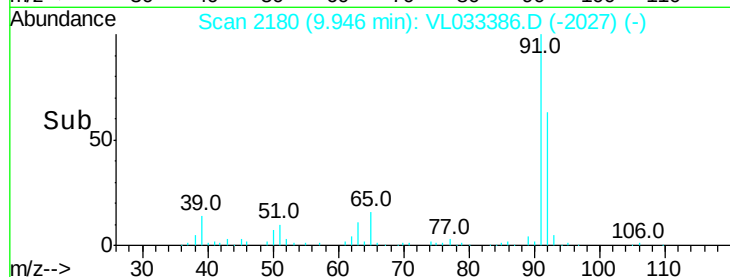
40000

20000

0

9.85 9.90 9.95 10.00

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

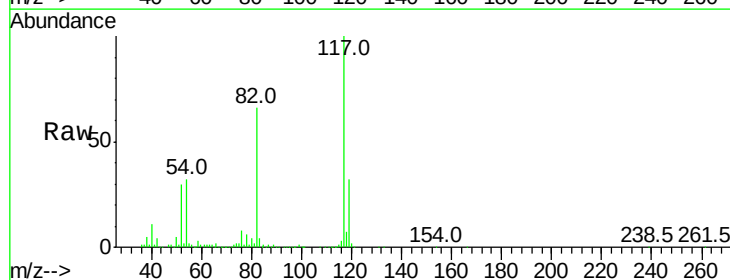
Tgt Ion: 117 Resp: 1855737

Ion Ratio Lower Upper

117 100

82 68.0 53.4 80.2

119 32.4 27.3 40.9



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

1000000

800000

600000

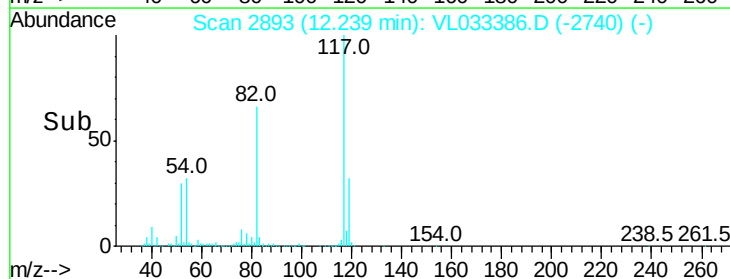
400000

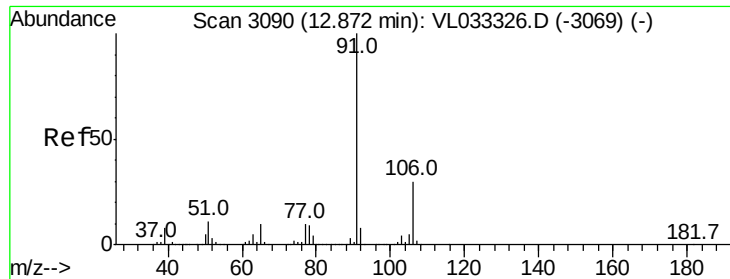
200000

0

12.20 12.24 12.30

Time-->





#58

Ethyl Benzene

Concen: 0.056 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

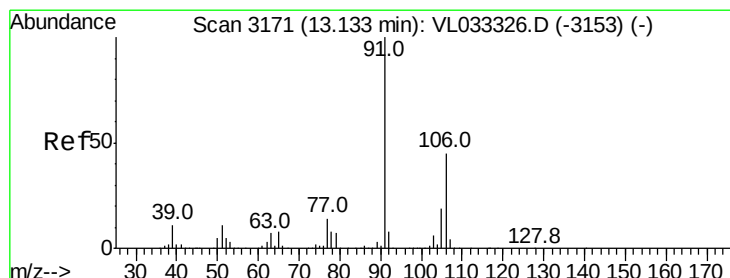
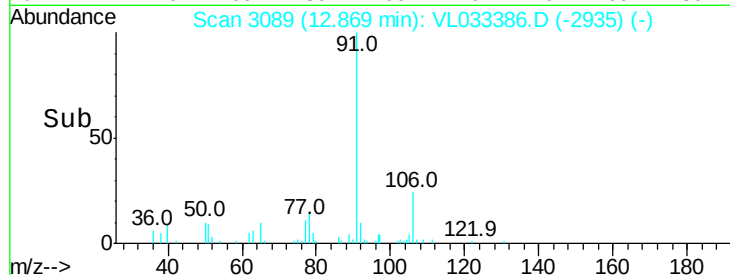
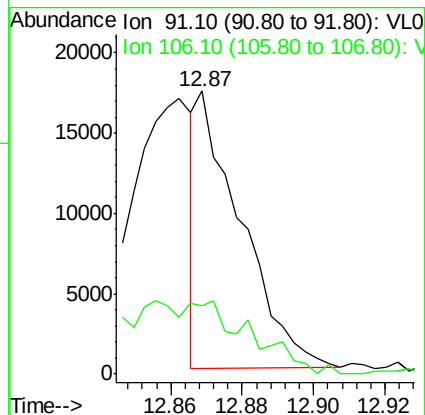
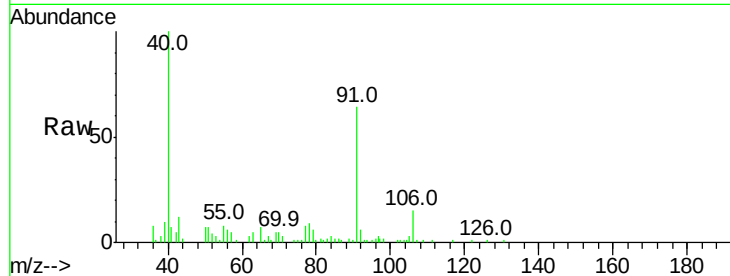
ST-SS-3

Tgt Ion: 91 Resp: 14710

Ion Ratio Lower Upper

91 100

106 24.7 24.2 36.2



#59

m/p-Xylene

Concen: 0.460 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL033386.D

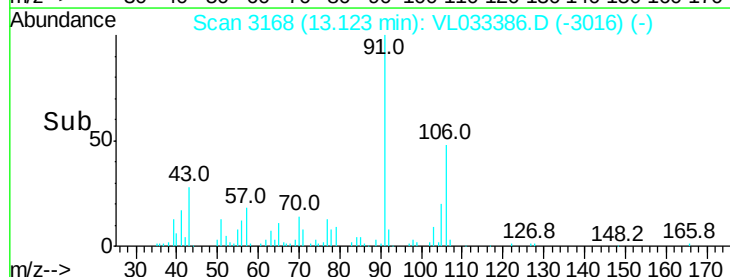
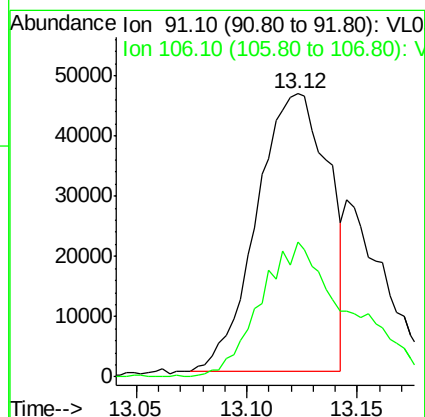
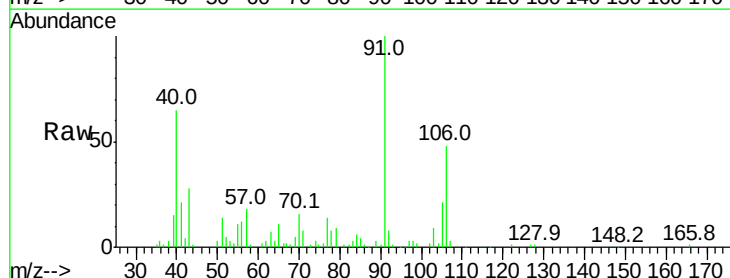
Acq: 19 Mar 2019 11:37

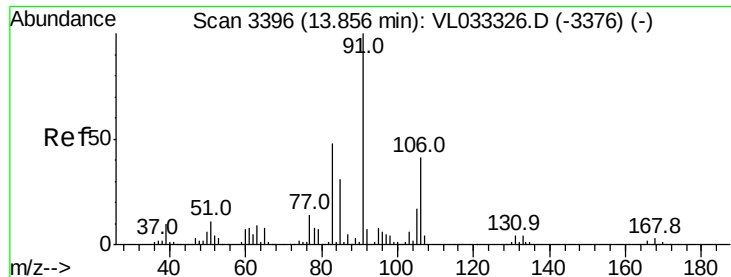
Tgt Ion: 91 Resp: 103812

Ion Ratio Lower Upper

91 100

106 60.0 0.0 0.0#

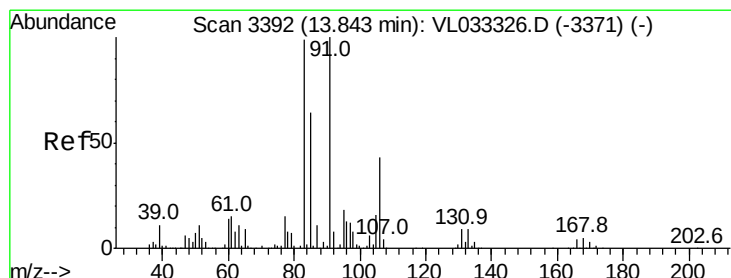
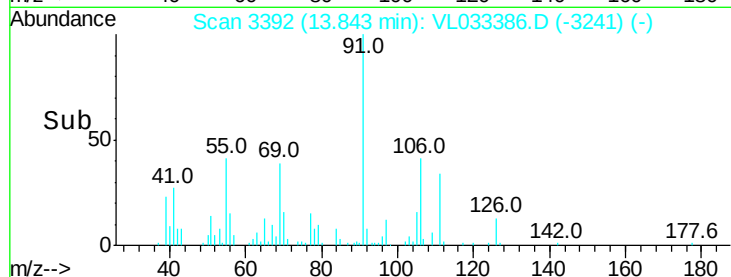
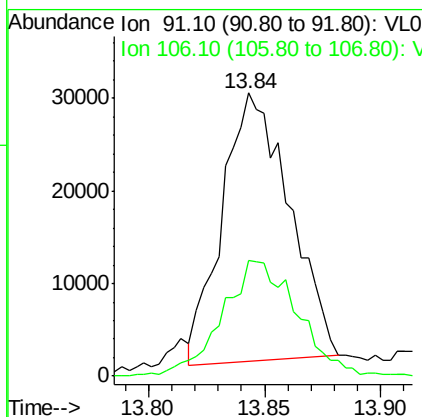
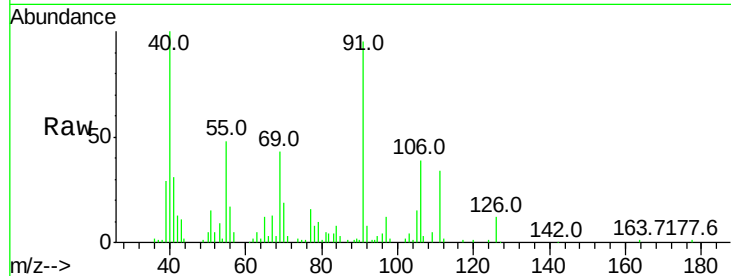




#60
o-Xylene
Concen: 0.264 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

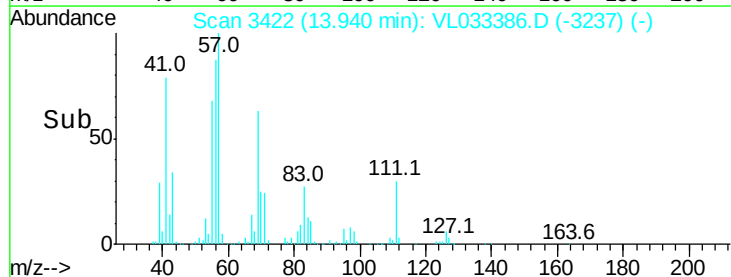
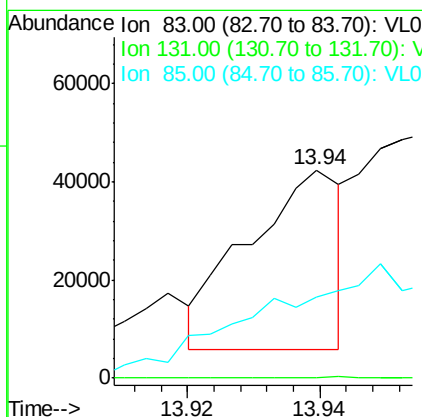
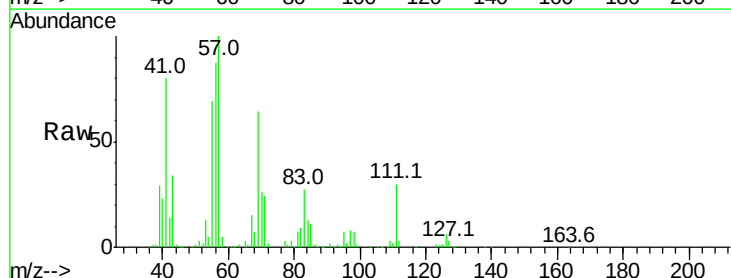
Instrument :
MSVOA_L
ClientSampleId :
ST-SS-3

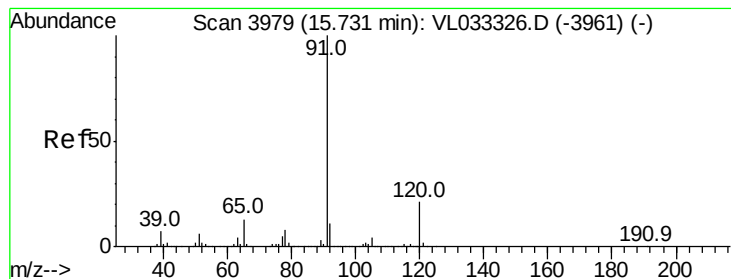
Tgt Ion: 91 Resp: 58202
Ion Ratio Lower Upper
91 100
106 48.3 21.3 63.9



#63
1,1,2,2-Tetrachloroethane
Concen: 0.226 ppbv
RT: 13.94 min Scan# 3422
Delta R.T. 0.10 min
Lab File: VL033386.D
Acq: 19 Mar 2019 11:37

Tgt Ion: 83 Resp: 35974
Ion Ratio Lower Upper
83 100
131 0.3 4.7 14.0#
85 197.6 32.5 97.4#





#64

n-propylbenzene

Concen: 0.816 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampled :

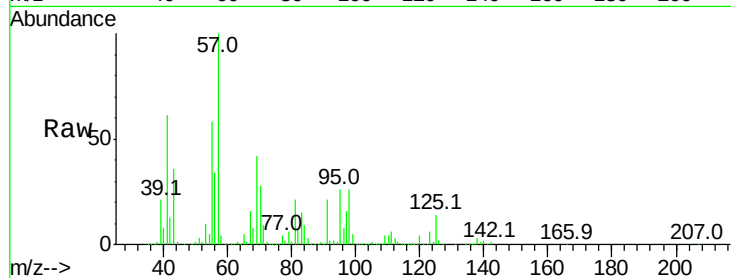
ST-SS-3

Tgt Ion:120 Resp: 63181

Ion Ratio Lower Upper

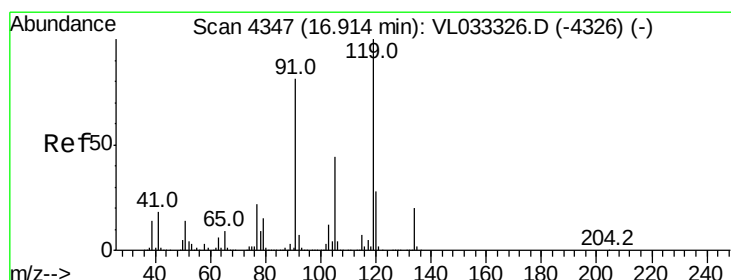
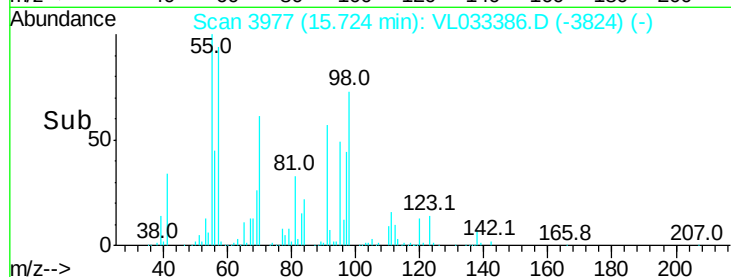
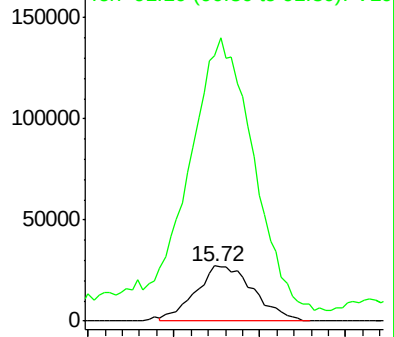
120 100

91 649.7 389.8 584.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.419 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. 0.02 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

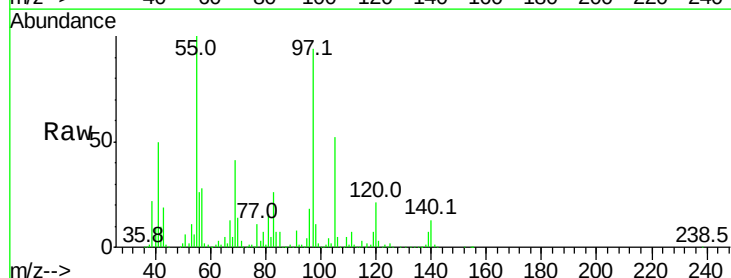
Tgt Ion:119 Resp: 115474

Ion Ratio Lower Upper

119 100

91 124.2 67.2 100.8#

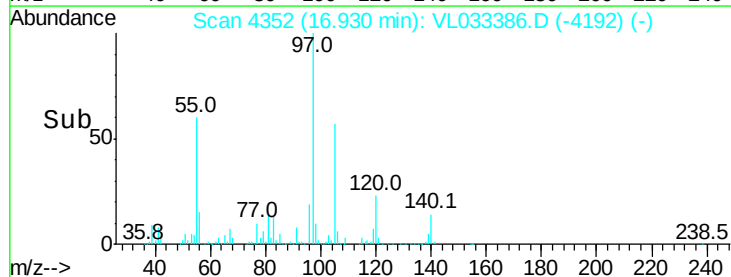
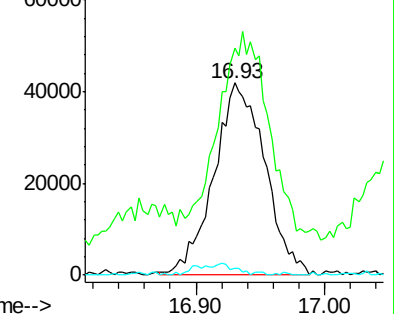
134 4.9 15.4 23.2#

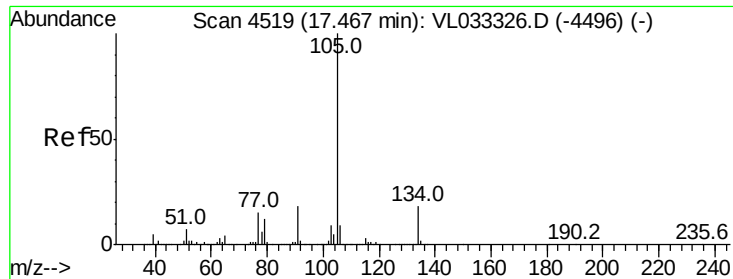


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.176 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

Instrument :

MSVOA_L

ClientSampleId :

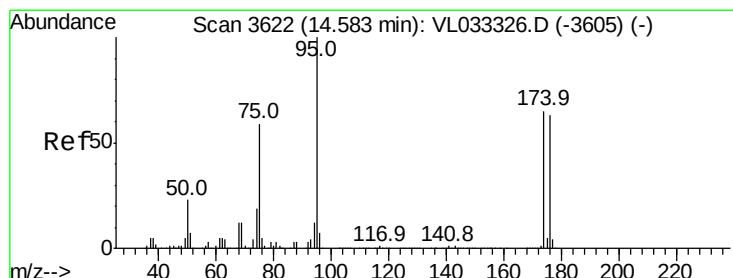
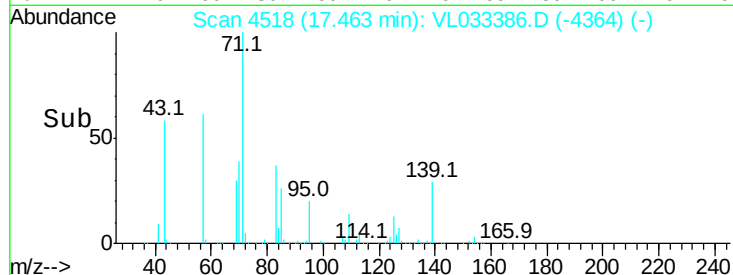
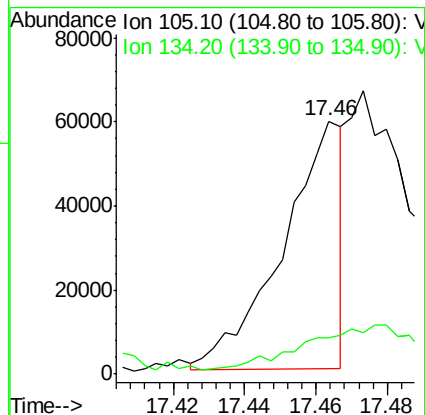
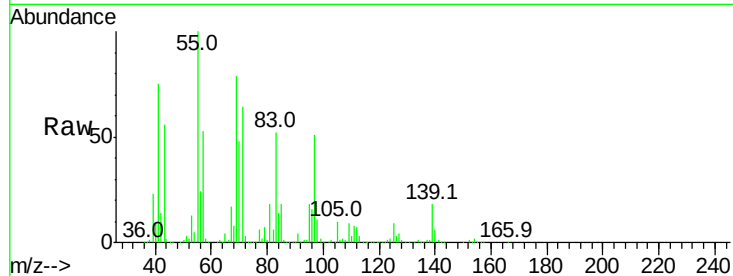
ST-SS-3

Tgt Ion: 105 Resp: 68814

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 11.643 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

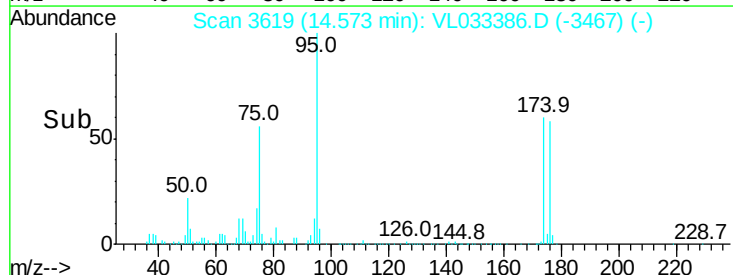
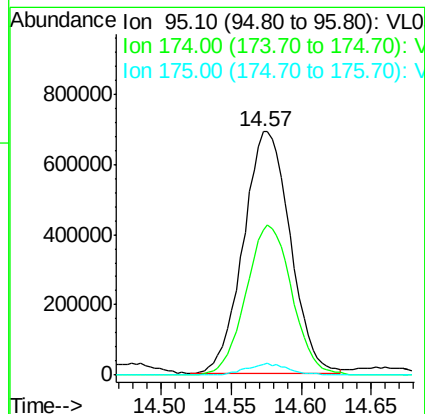
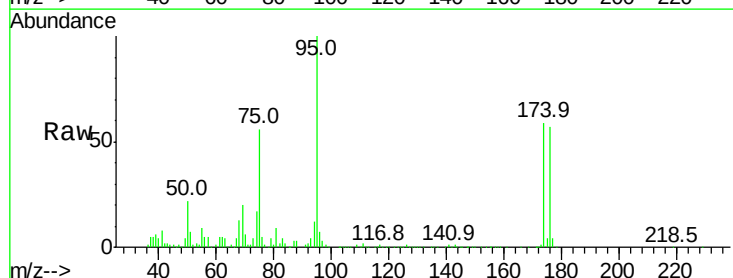
Tgt Ion: 95 Resp: 1600993

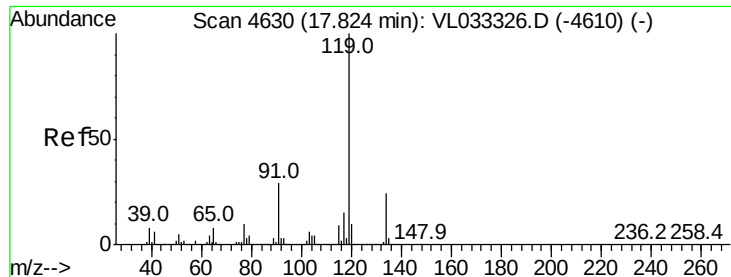
Ion Ratio Lower Upper

95 100

174 61.3 51.5 77.3

175 4.3 3.8 5.6

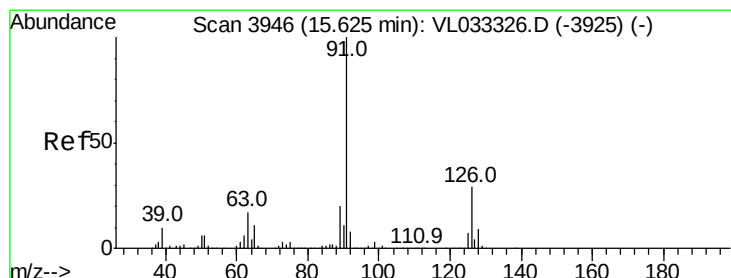
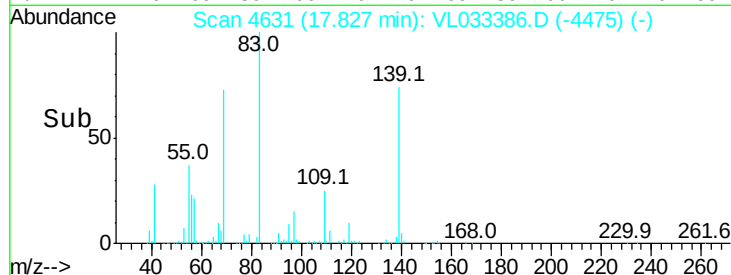
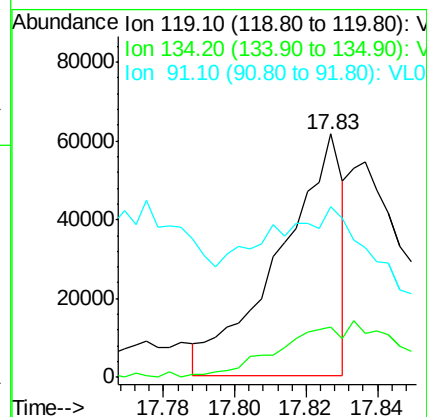
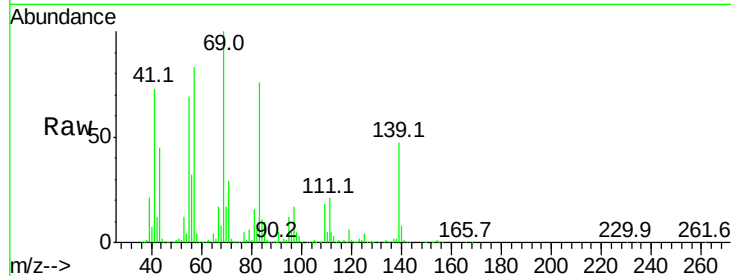




#69
 p-Isopropyltoluene
 Concen: 0.235 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033386.D
 Acq: 19 Mar 2019 11:37

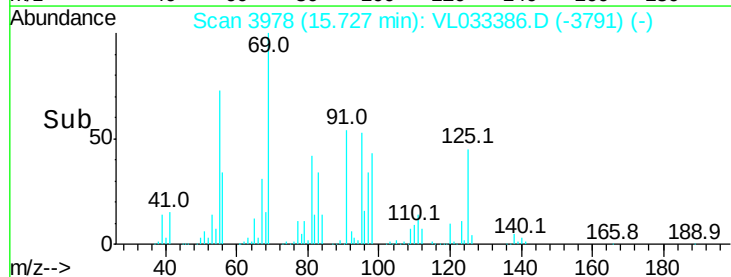
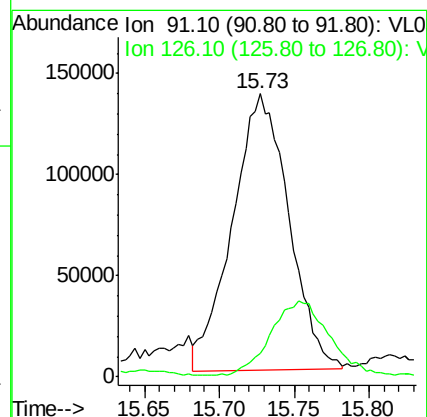
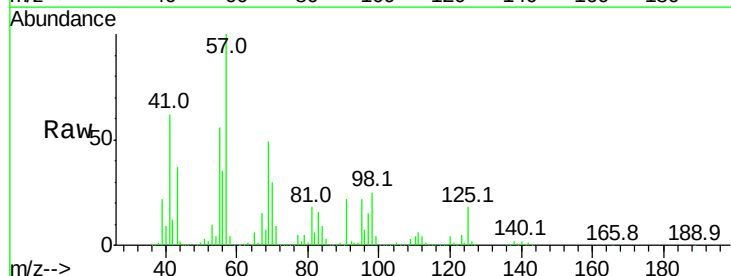
Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-3

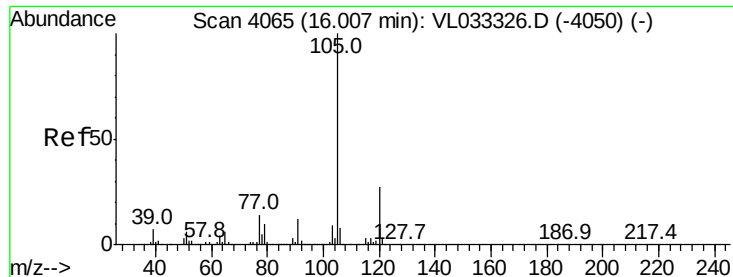
Tgt Ion: 119 Resp: 74908
 Ion Ratio Lower Upper
 119 100
 134 0.0 19.8 29.6#
 91 194.6 23.4 35.2#



#71
 2-Chlorotoluene
 Concen: 1.496 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. 0.10 min
 Lab File: VL033386.D
 Acq: 19 Mar 2019 11:37

Tgt Ion: 91 Resp: 356265
 Ion Ratio Lower Upper
 91 100
 126 28.0 11.6 46.6





#72

4-Ethyltoluene

Concen: 1.026 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.00 min

Lab File: VL033386.D

Acq: 19 Mar 2019 11:37

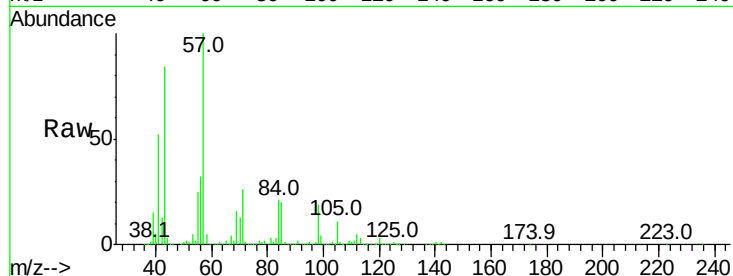
Instrument :

MSVOA_L

ClientSampleId :

ST-SS-3

Tgt Ion:	105	Resp:	256441
Ion Ratio	Lower	Upper	
105	100		
120	28.4	22.9	34.3
91	24.5	10.2	15.2#
77	39.3	11.1	16.7#

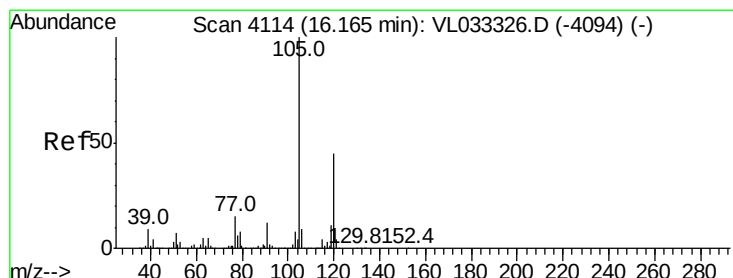
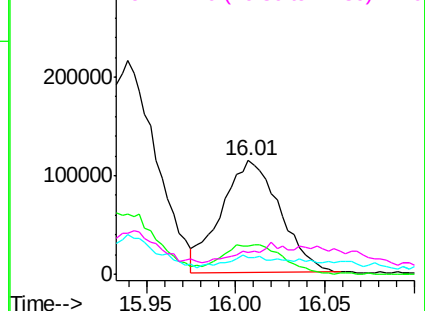
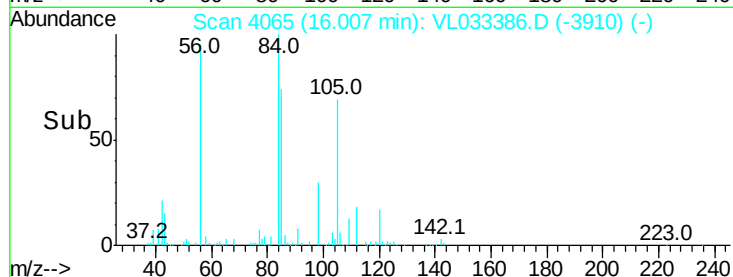


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.748 ppbv

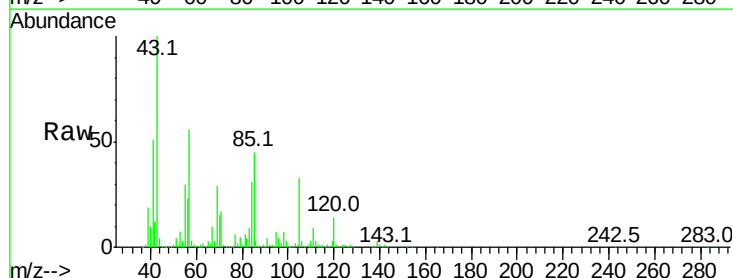
RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL033386.D

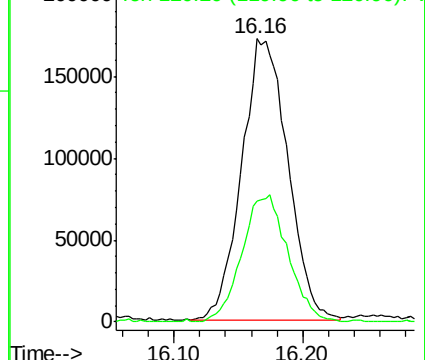
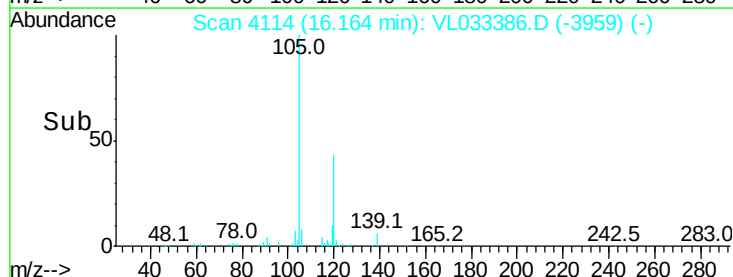
Acq: 19 Mar 2019 11:37

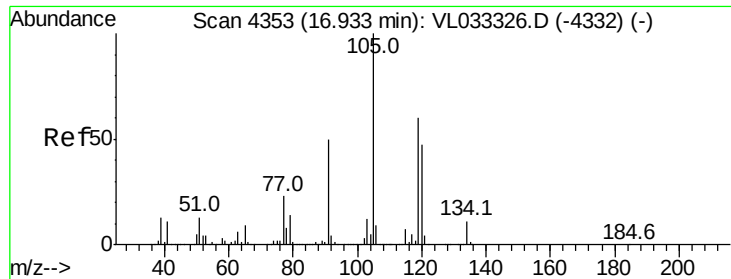
Tgt Ion:	105	Resp:	425580
Ion Ratio	Lower	Upper	
105	100		
120	42.8	36.2	54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 3.379 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL033386.D
 Acq: 19 Mar 2019 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-3

Tgt Ion:105 Resp: 871473
 Ion Ratio Lower Upper
 105 100
 120 39.2 37.4 56.2
 91 12.4 41.0 61.4#
 77 14.2 18.5 27.7#

