

Data File : VL034213.D
Acq On : 2 Oct 2019 16:32
Operator : SY/AP
Sample : K5106-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Quant Time: Oct 03 05:41:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	944239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1706826	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1737539	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1501021	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	9225	0.066	ppbv	98
3) Chlorodifluoromethane	2.95	51	45230	0.409	ppbv #	60
4) Chloromethane	3.12	50	18667	0.287	ppbv	96
5) Vinyl Chloride	3.24	62	5724	0.096	ppbv #	84
7) Chloroethane	3.55	64	734	0.035	ppbv	90
9) Propene	2.99	41	830669	15.207	ppbv	94
10) Heptane	8.18	43	21440	0.151	ppbv #	36
13) Ethanol	3.60	45	351111	26.545	ppbv	99
15) Acetone	3.85	43	1135834	8.975	ppbv	95
16) 1,3-Butadiene	3.29	39	375447	6.798	ppbv #	26
17) tert-Butyl alcohol	4.31	59	131615	1.641	ppbv	97
19) Isopropyl Alcohol	3.98	45	156737	2.014	ppbv #	1
20) Methylene Chloride	4.36	84	33904	0.929	ppbv	93
23) Vinyl Acetate	5.08	43	39760	0.213	ppbv #	1
25) Ethyl Acetate	5.71	43	182927	0.764	ppbv #	89
26) Hexane	5.71	57	95486	0.959	ppbv #	58
27) Carbon Disulfide	4.56	76	395272	4.305	ppbv	99
30) Cyclohexane	7.17	84	63891	0.889	ppbv	98
34) 2-Butanone	5.27	43	246346	1.414	ppbv	99
36) Benzene	6.94	78	15291	0.081	ppbv	96
37) 1,2-Dichloroethane	6.35	62	9846	0.073	ppbv	100
39) 1,2-Dichloropropane	7.22	63	530009	6.258	ppbv #	19
44) 2,2,4-Trimethylpentane	7.92	57	16855	0.046	ppbv #	1
52) Tetrachloroethene	11.29	164	96069	1.543	ppbv	94
53) Toluene	9.87	91	235730	1.144	ppbv	100
58) Ethyl Benzene	12.78	91	19039	0.068	ppbv	93
59) m/p-Xylene	13.07	91	21694	0.093	ppbv #	32
60) o-Xylene	13.75	91	13268	0.057	ppbv #	1
61) Styrene	13.60	104	7278	0.044	ppbv #	49
74) 1,2,4-Trimethylbenzene	16.84	105	27168	0.101	ppbv #	69

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

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Instrument :
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ClientSampleId :
SV-2DL

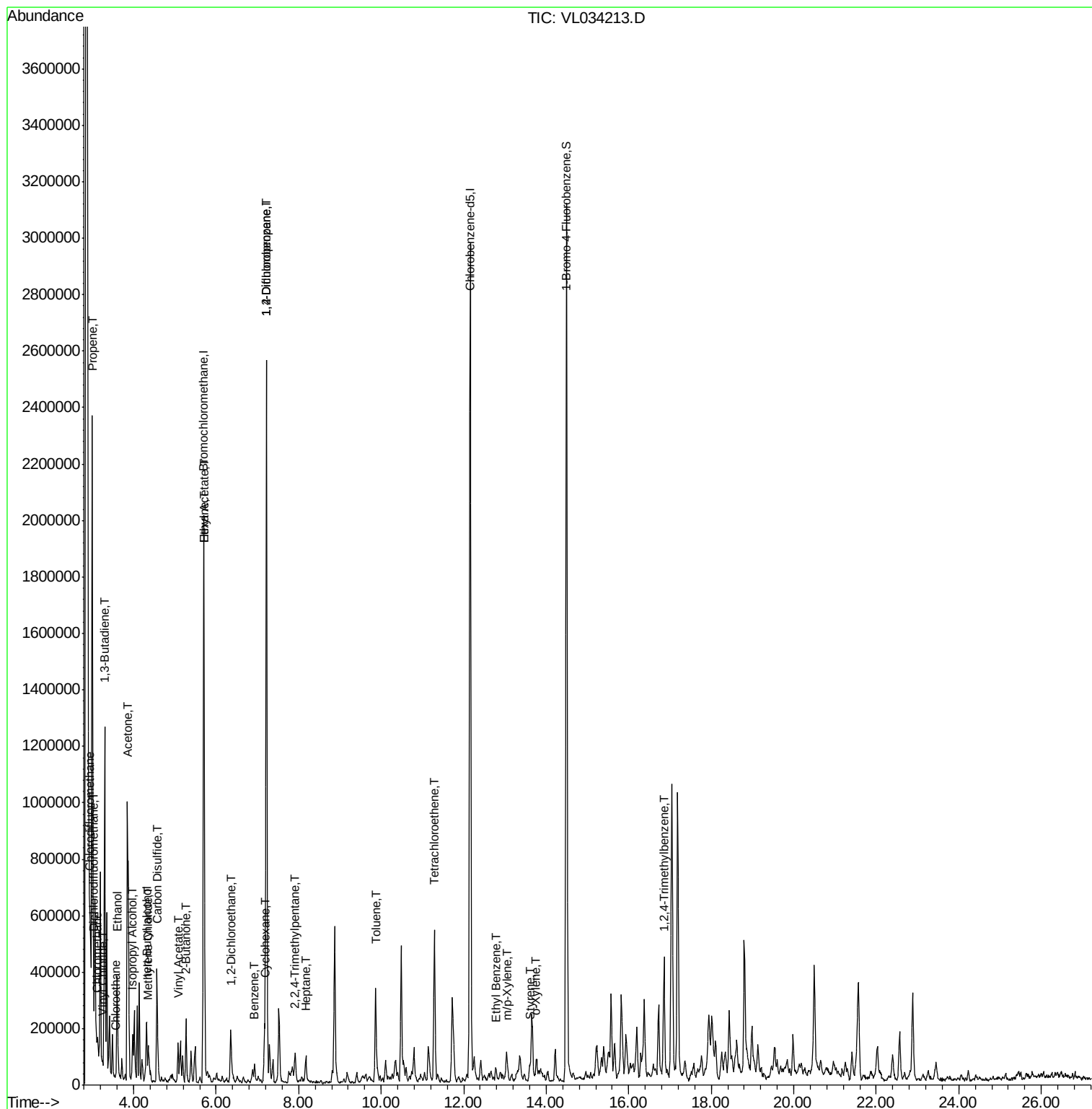
Quant Time: Oct 03 05:41:20 2019

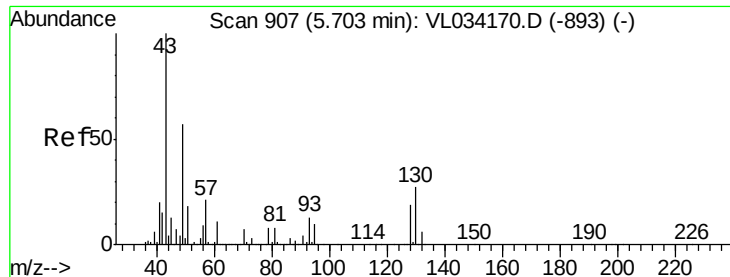
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

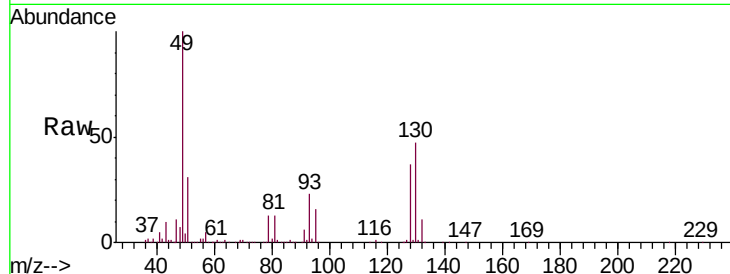
Tgt Ion: 49 Resp: 944239

Ion Ratio Lower Upper

49 100

128 37.1 17.6 52.9

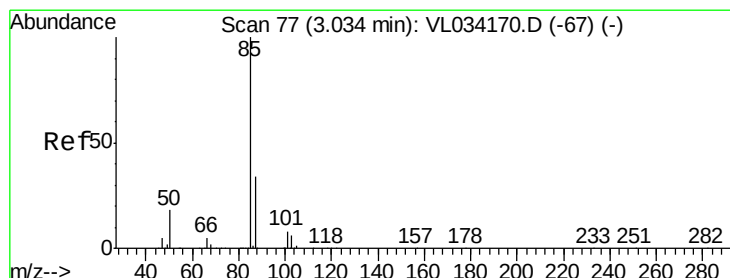
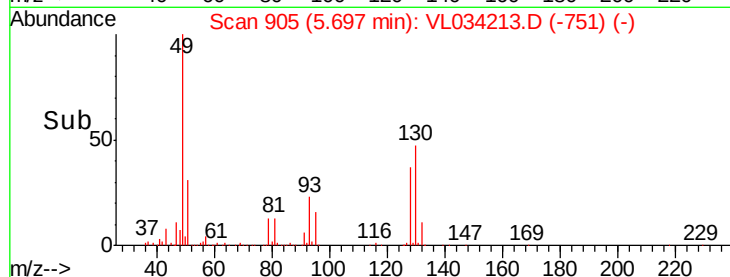
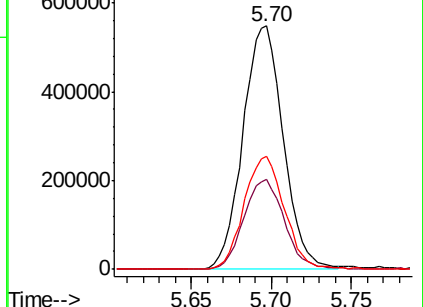
130 46.9 22.3 66.9



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: 0.066 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034213.D

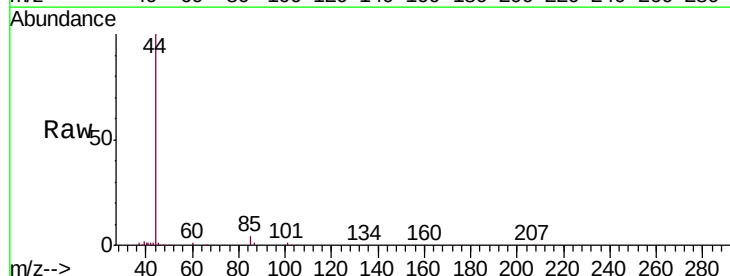
Acq: 2 Oct 2019 16:32

Tgt Ion: 85 Resp: 9225

Ion Ratio Lower Upper

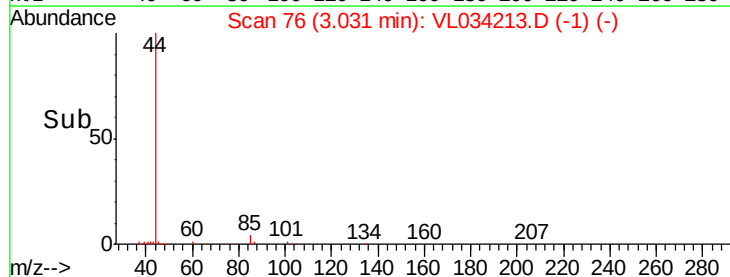
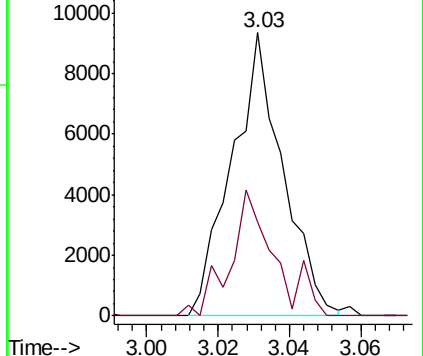
85 100

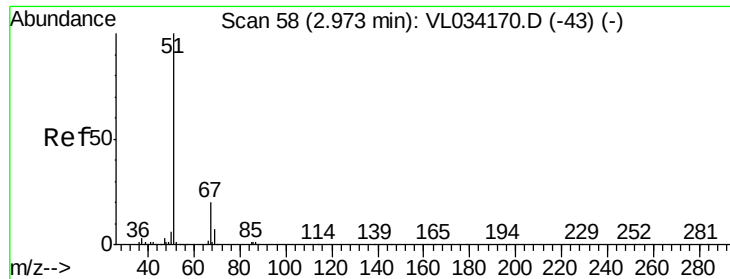
87 33.1 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.409 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.03 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

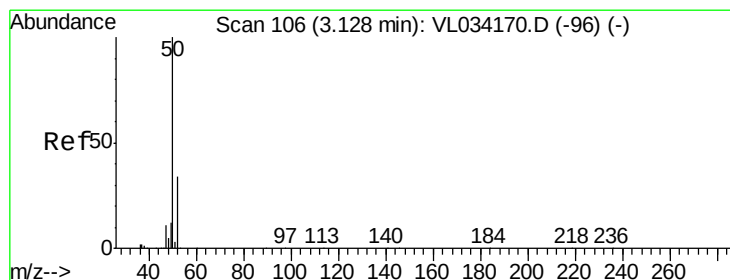
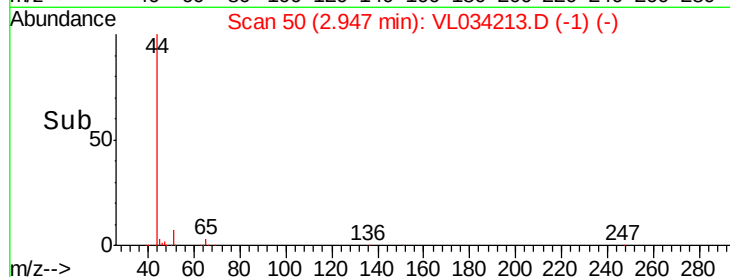
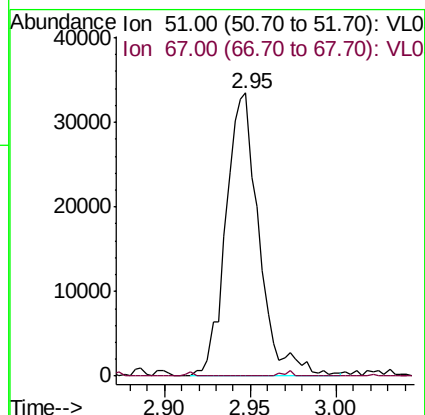
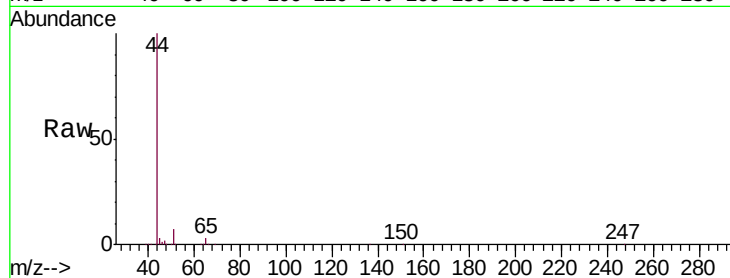
SV-2DL

Tgt Ion: 51 Resp: 45230

Ion Ratio Lower Upper

51 100

67 0.5 14.8 22.2#



#4

Chloromethane

Concen: 0.287 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034213.D

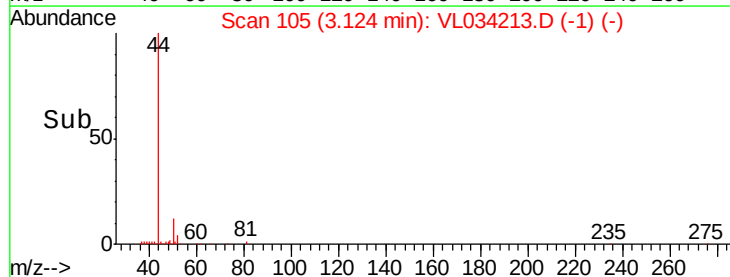
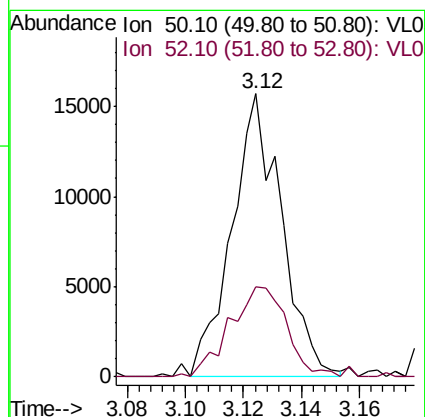
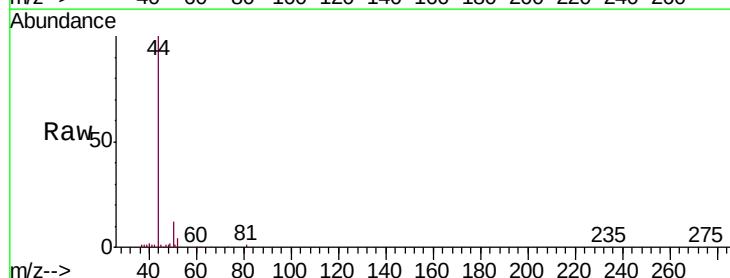
Acq: 2 Oct 2019 16:32

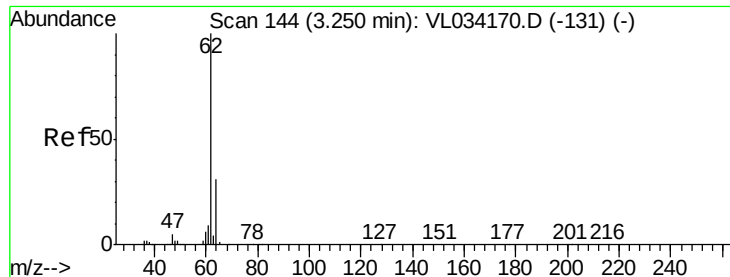
Tgt Ion: 50 Resp: 18667

Ion Ratio Lower Upper

50 100

52 31.6 27.1 40.7





#5

Vinyl Chloride

Concen: 0.096 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

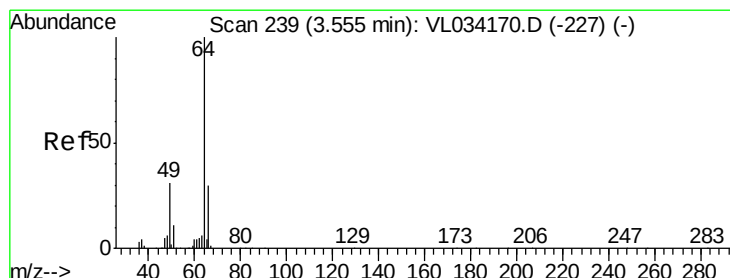
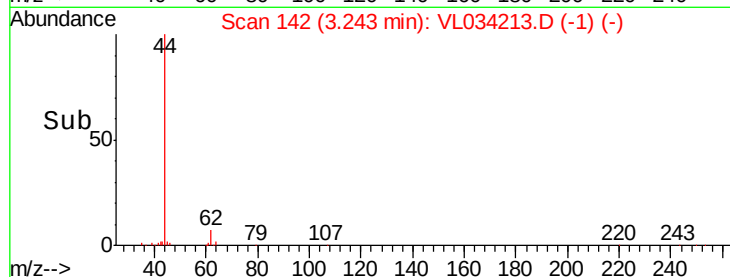
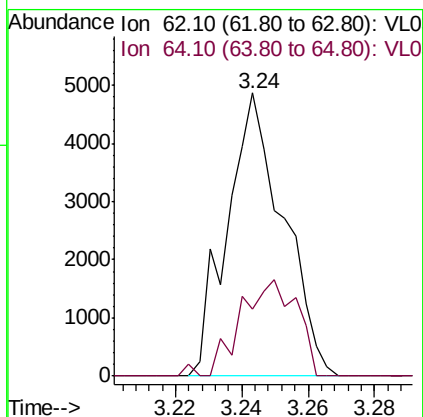
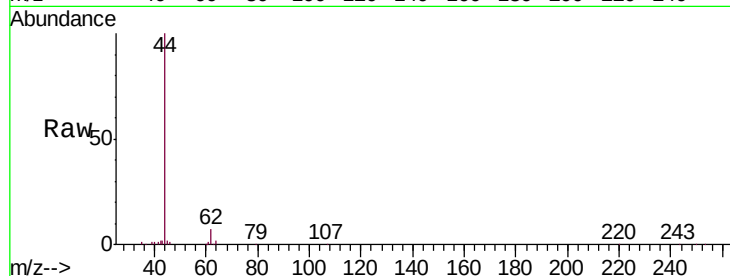
SV-2DL

Tgt Ion: 62 Resp: 5724

Ion Ratio Lower Upper

62 100

64 22.6 25.2 37.8#



#7

Chloroethane

Concen: 0.035 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034213.D

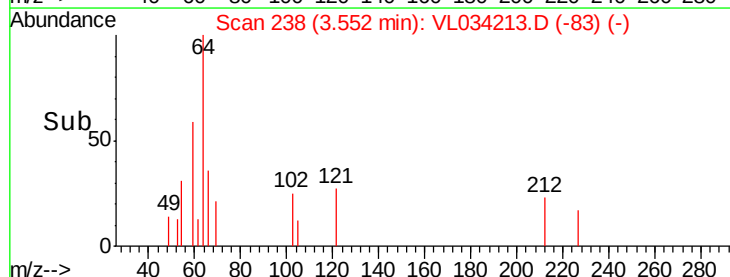
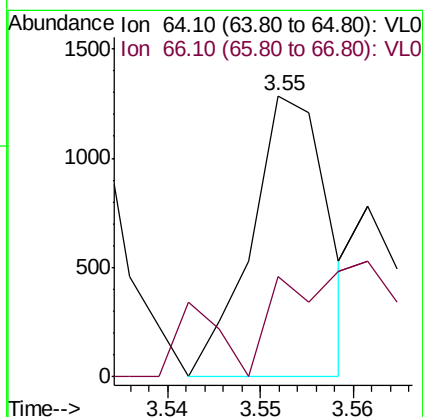
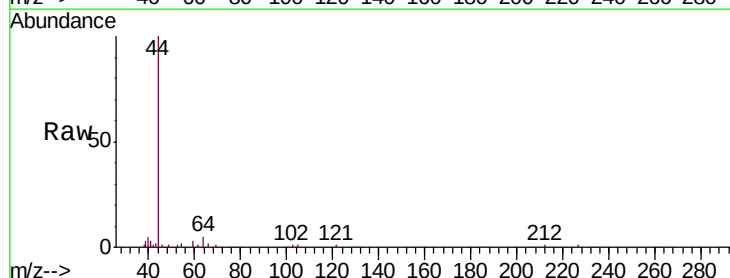
Acq: 2 Oct 2019 16:32

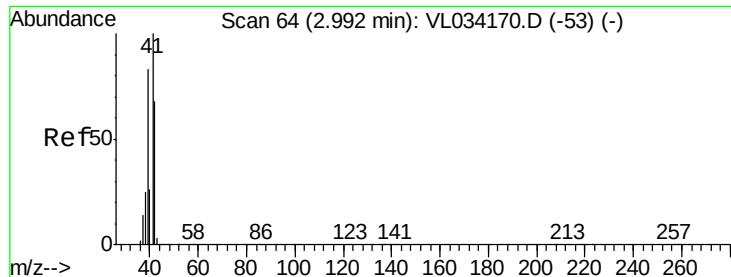
Tgt Ion: 64 Resp: 734

Ion Ratio Lower Upper

64 100

66 35.5 24.2 36.4





#9

Propene

Concen: 15.207 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

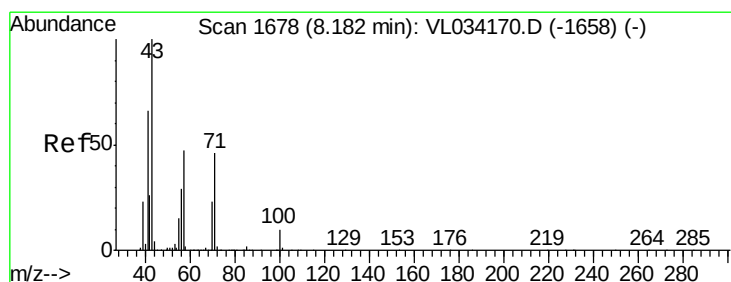
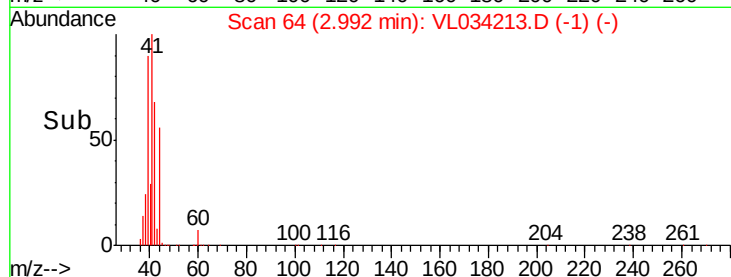
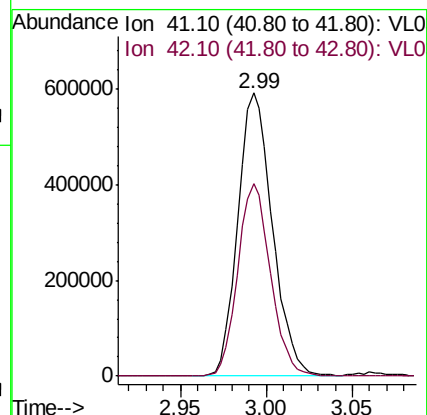
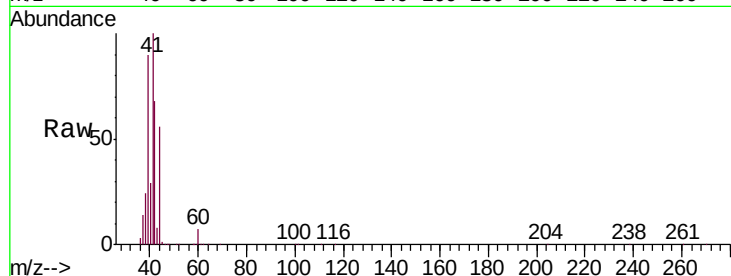
SV-2DL

Tgt Ion: 41 Resp: 830669

Ion Ratio Lower Upper

41 100

42 64.7 55.8 83.6



#10

Heptane

Concen: 0.151 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VL034213.D

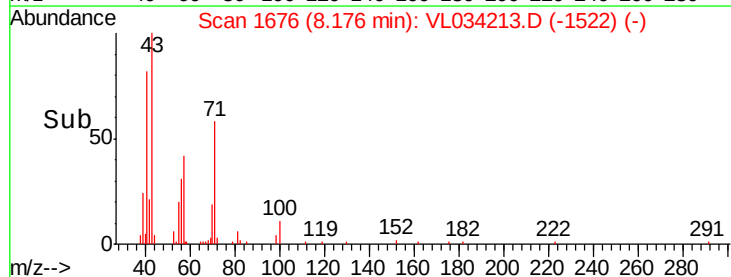
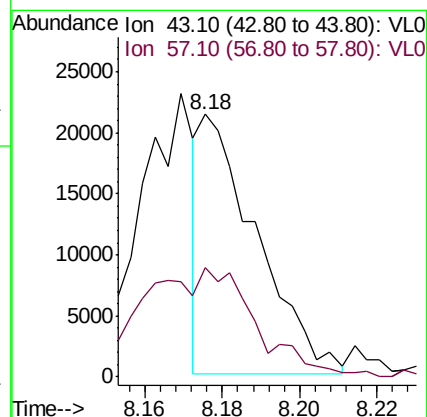
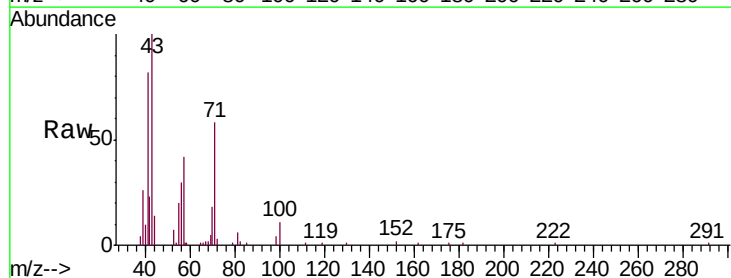
Acq: 2 Oct 2019 16:32

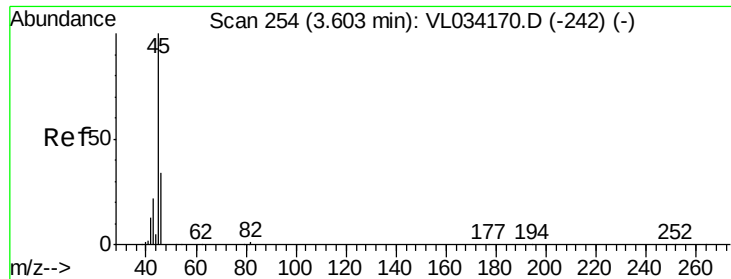
Tgt Ion: 43 Resp: 21440

Ion Ratio Lower Upper

43 100

57 89.9 37.5 56.3#





#13

Ethanol

Concen: 26.545 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

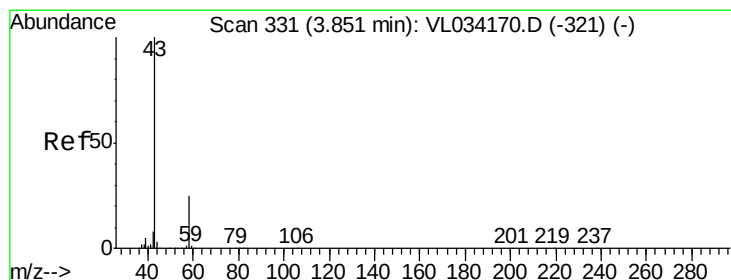
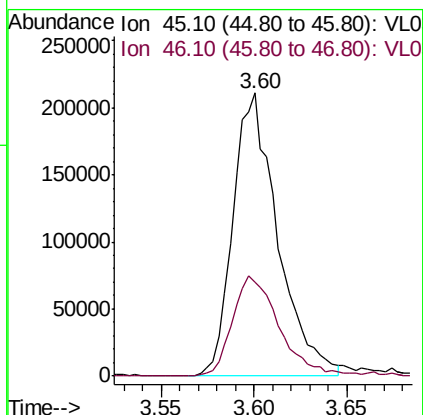
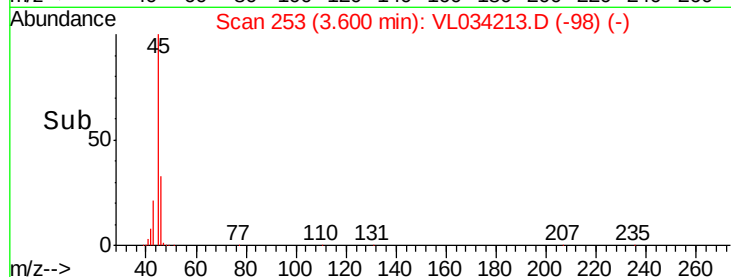
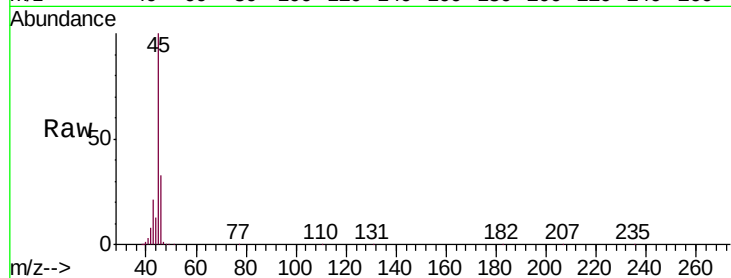
SV-2DL

Tgt Ion: 45 Resp: 351111

Ion Ratio Lower Upper

45 100

46 38.0 15.5 61.9



#15

Acetone

Concen: 8.975 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034213.D

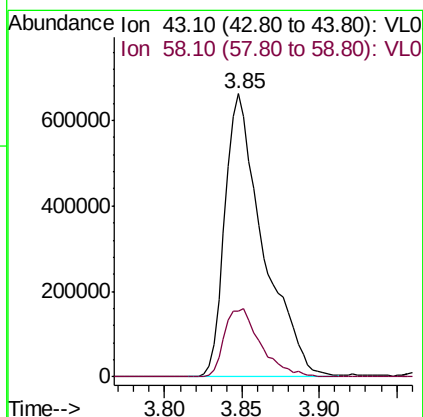
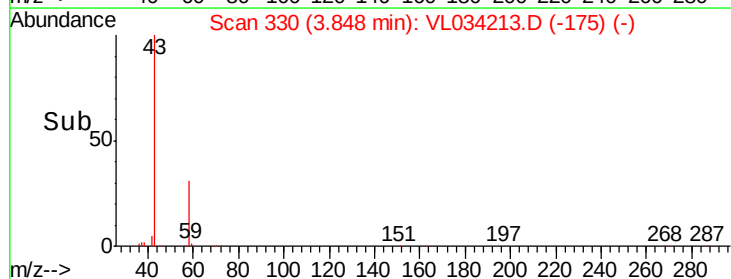
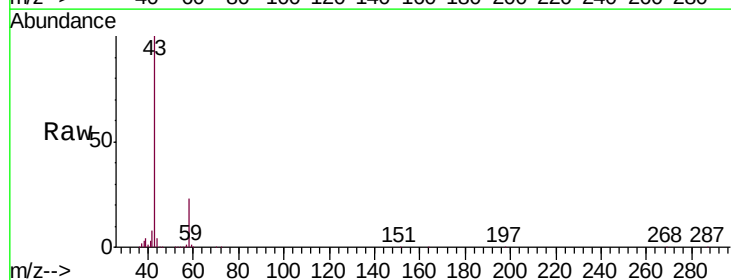
Acq: 2 Oct 2019 16:32

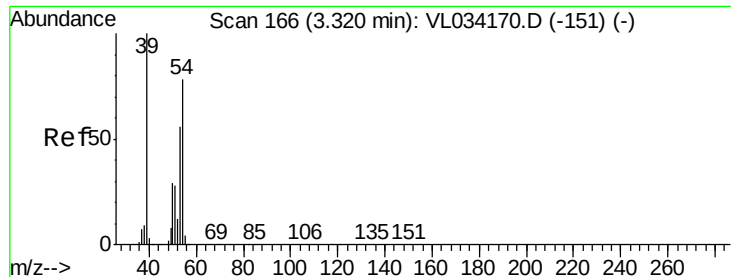
Tgt Ion: 43 Resp: 1135834

Ion Ratio Lower Upper

43 100

58 22.9 20.5 30.7





#16

1,3-Butadiene

Concen: 6.798 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

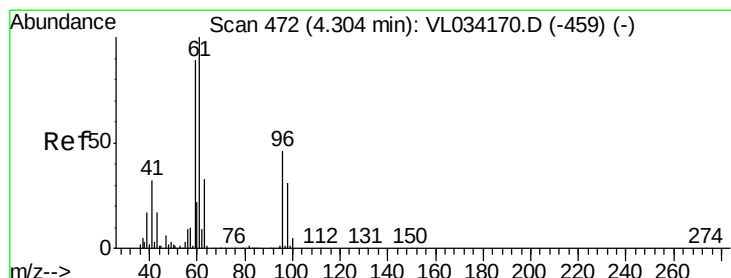
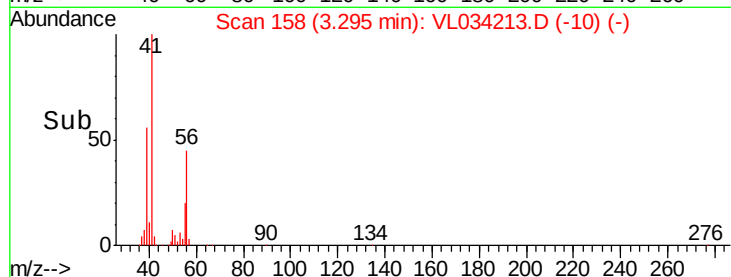
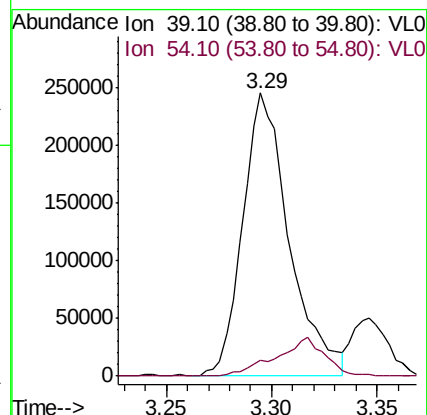
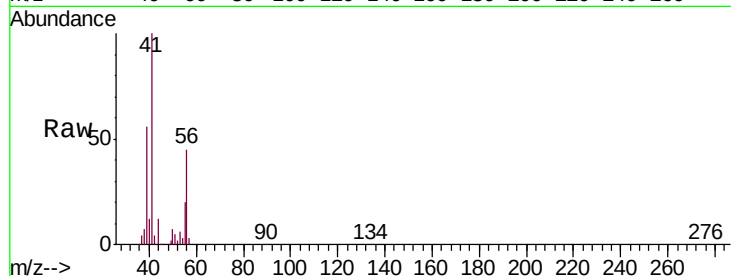
SV-2DL

Tgt Ion: 39 Resp: 375447

Ion Ratio Lower Upper

39 100

54 14.6 63.4 95.0#



#17

tert-Butyl alcohol

Concen: 1.641 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.00 min

Lab File: VL034213.D

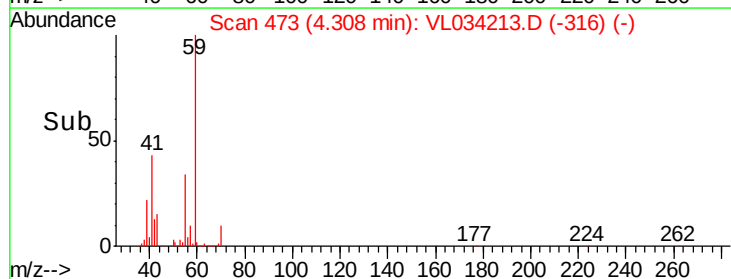
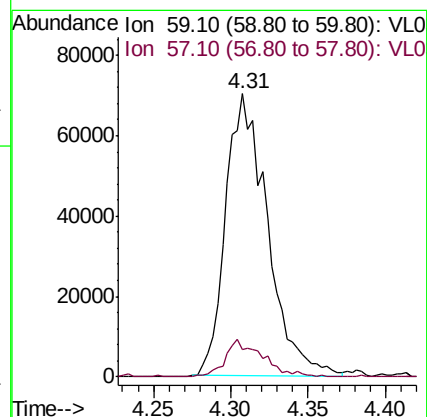
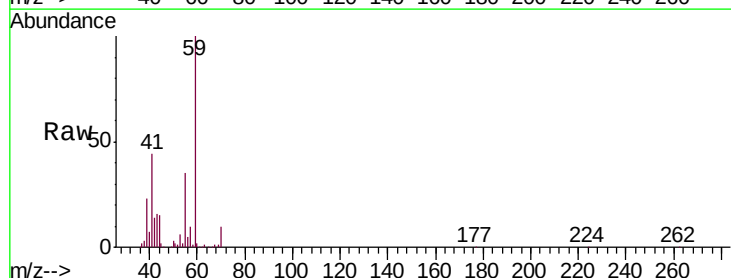
Acq: 2 Oct 2019 16:32

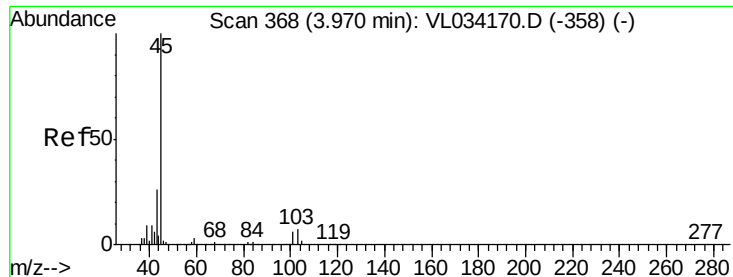
Tgt Ion: 59 Resp: 131615

Ion Ratio Lower Upper

59 100

57 11.9 8.7 13.1





#19

Isopropyl Alcohol

Concen: 2.014 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

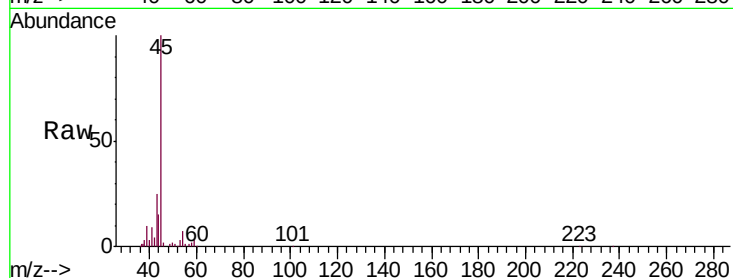
SV-2DL

Tgt Ion: 45 Resp: 156737

Ion Ratio Lower Upper

45 100

58 168.2 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

100000

80000

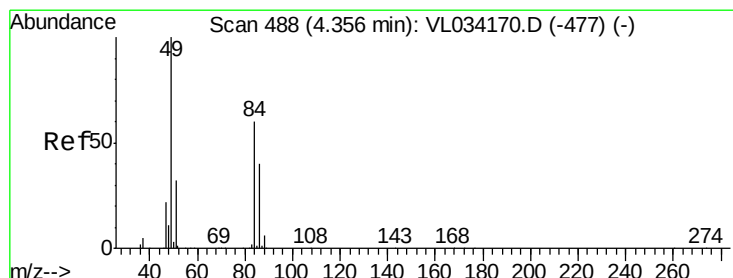
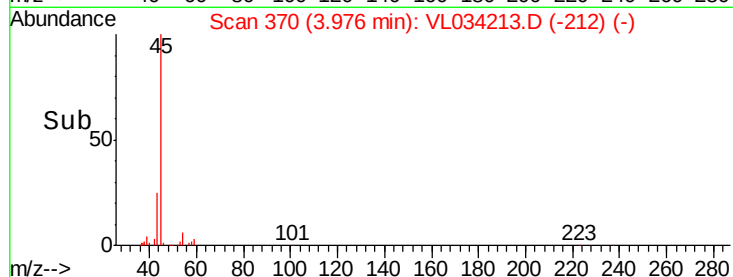
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 0.929 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Tgt Ion: 84 Resp: 33904

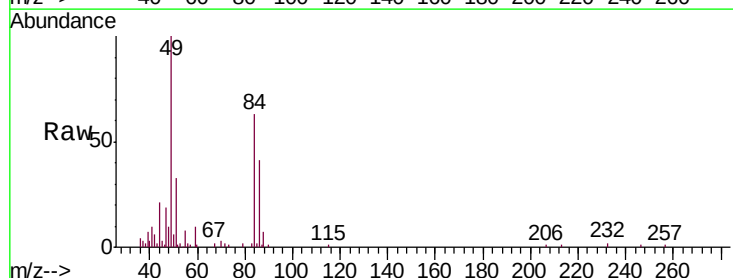
Ion Ratio Lower Upper

84 100

49 156.4 133.8 200.8

51 49.6 43.6 65.4

86 64.3 53.1 79.7



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

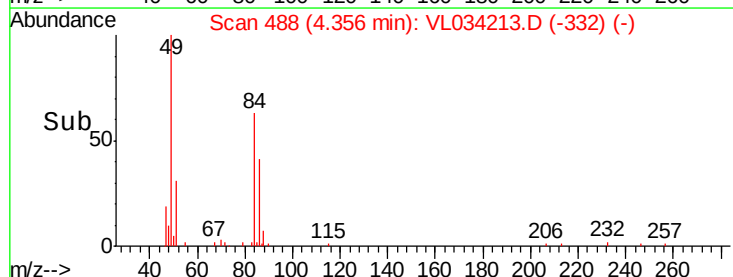
60000

40000

20000

0

Time-->

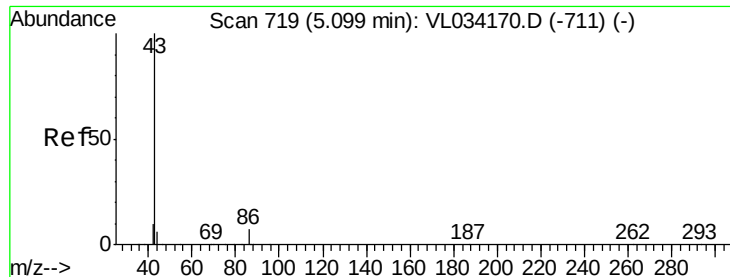


4.36

4.30

4.35

4.40



#23

Vinyl Acetate

Concen: 0.213 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.02 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tgt Ion: 43 Resp: 39760

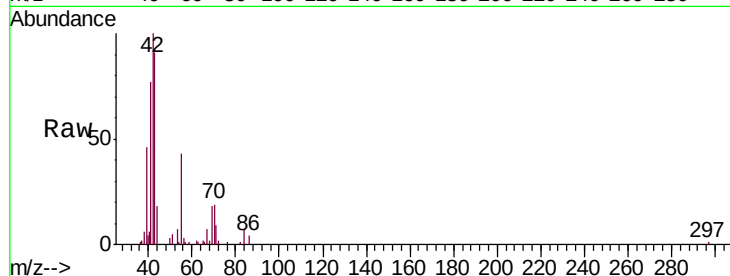
Ion Ratio Lower Upper

43 100

86 5.0 5.1 7.7#

42 104.5 8.6 12.8#

44 3.2 4.7 7.1#

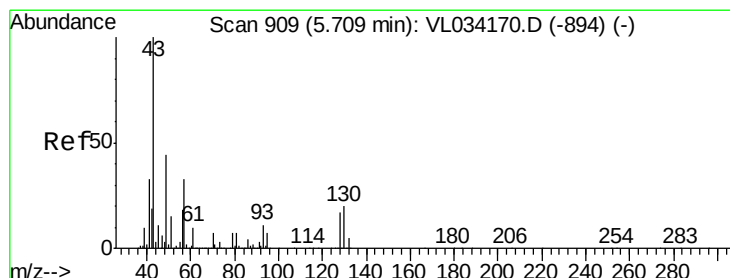
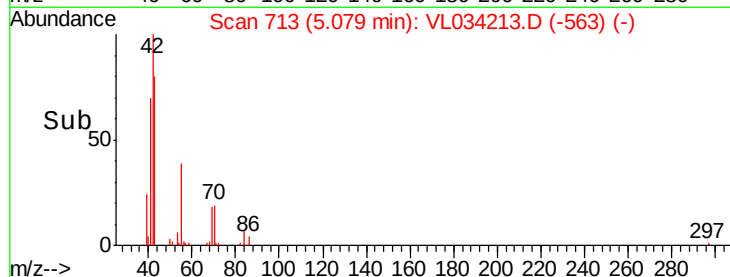
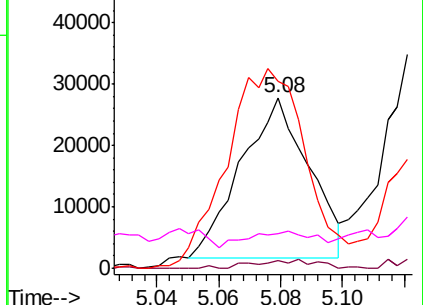


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.764 ppbv

RT: 5.71 min Scan# 910

Delta R.T. 0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Tgt Ion: 43 Resp: 182927

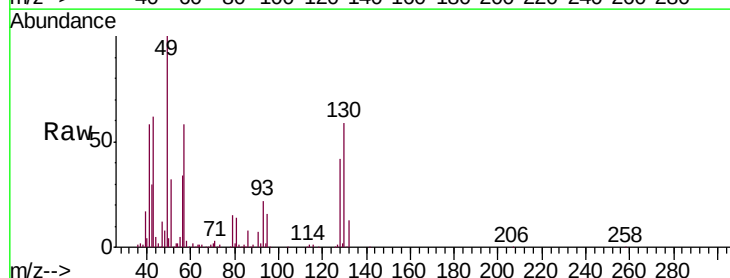
Ion Ratio Lower Upper

43 100

45 6.3 8.4 12.6#

61 4.5 7.2 10.8#

70 3.8 5.3 7.9#

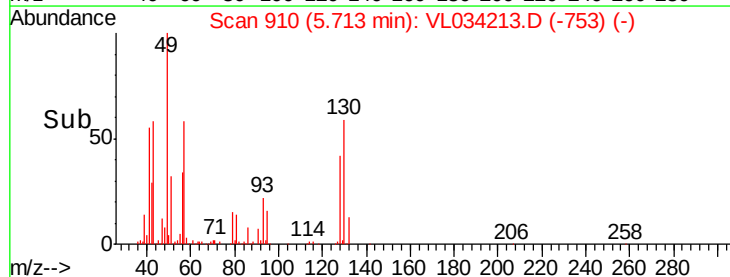
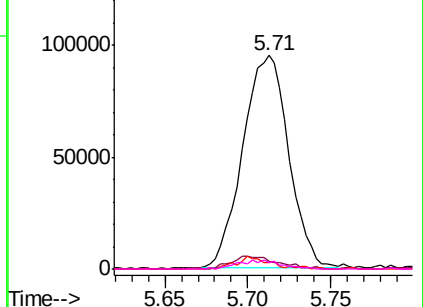


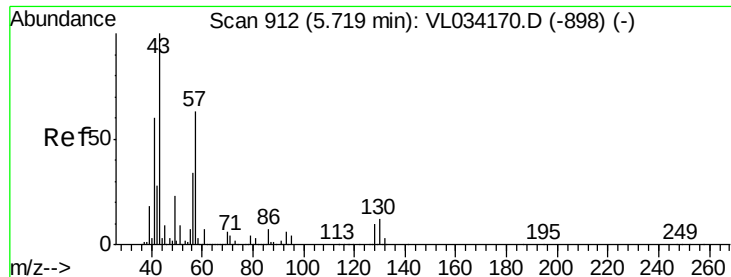
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.959 ppbv

RT: 5.71 min Scan# 910

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tgt Ion: 57 Resp: 95486

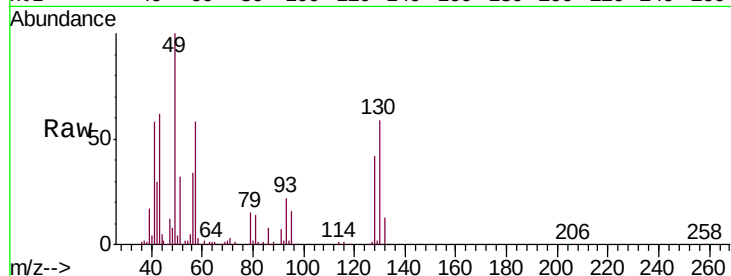
Ion Ratio Lower Upper

57 100

41 170.6 78.5 117.7#

43 193.3 189.5 284.3

56 95.4 43.2 64.8#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

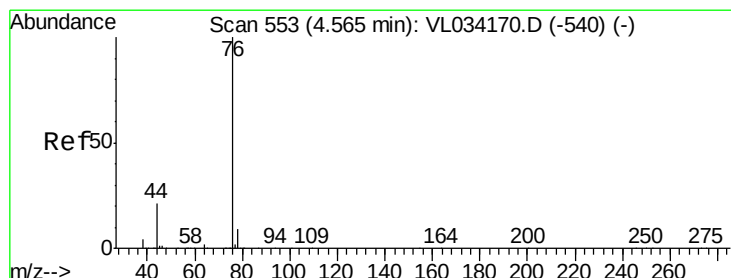
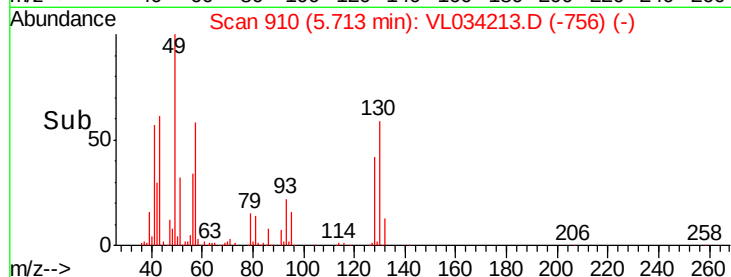
150000

100000

50000

0

Time--> 5.66 5.68 5.70 5.72



#27

Carbon Disulfide

Concen: 4.305 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

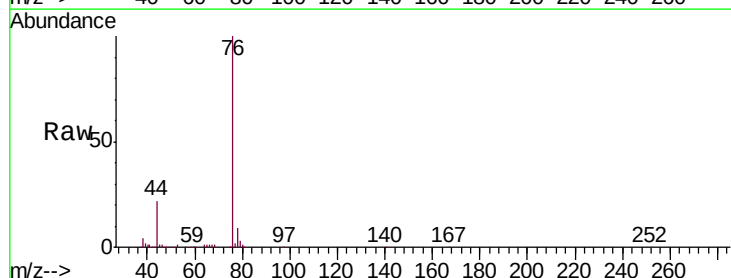
Tgt Ion: 76 Resp: 395272

Ion Ratio Lower Upper

76 100

44 22.5 17.6 26.4

78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

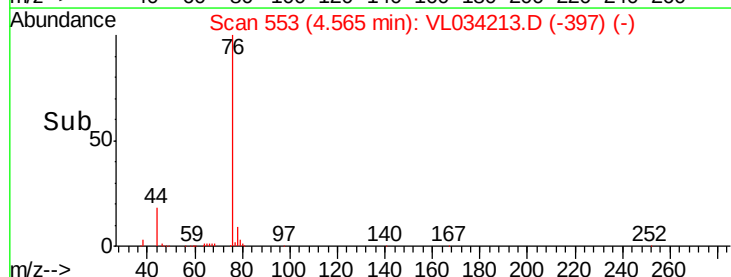
300000

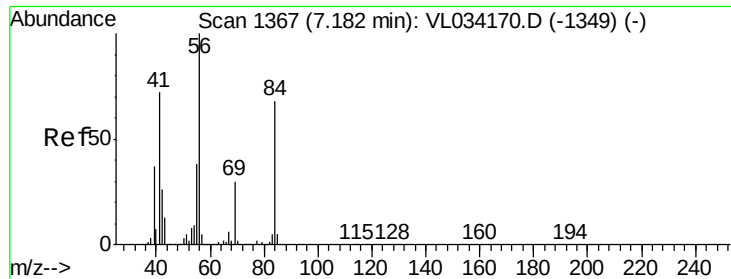
200000

100000

0

Time--> 4.50 4.55 4.60

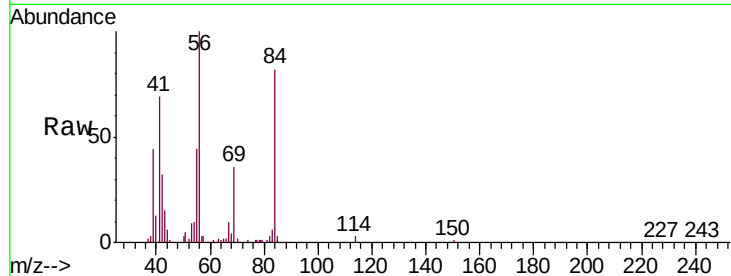




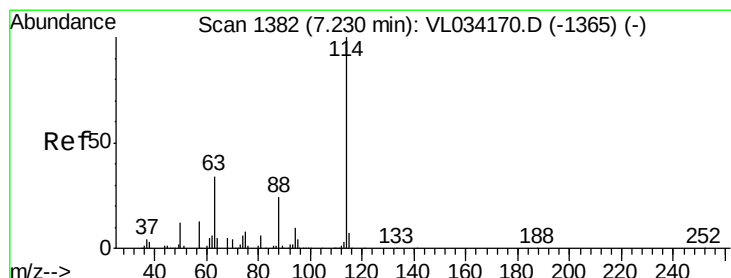
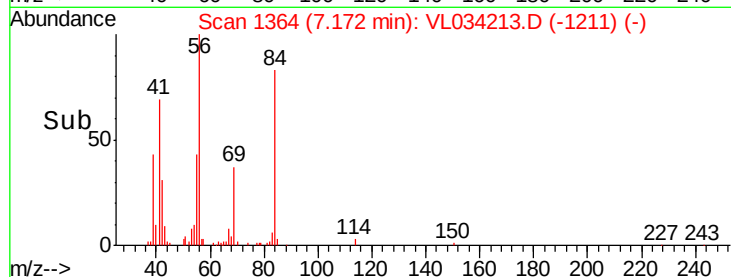
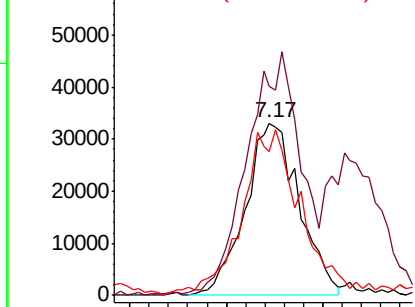
#30
Cyclohexane
Concen: 0.889 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

Tgt Ion: 84 Resp: 63891
Ion Ratio Lower Upper
84 100
56 155.1 126.2 189.2
41 108.3 85.8 128.8

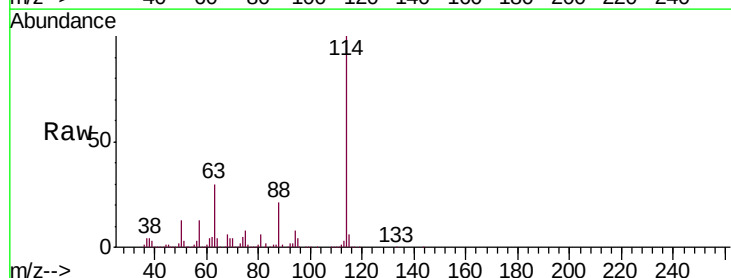


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

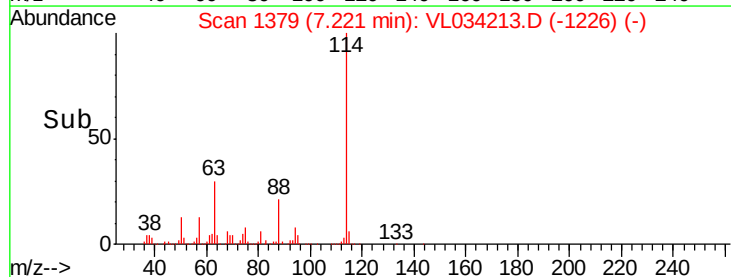
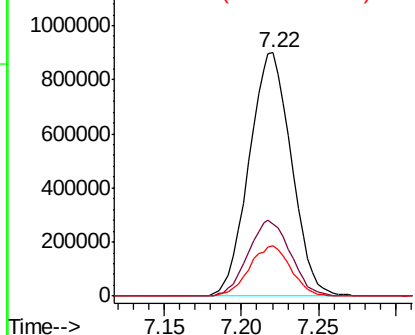


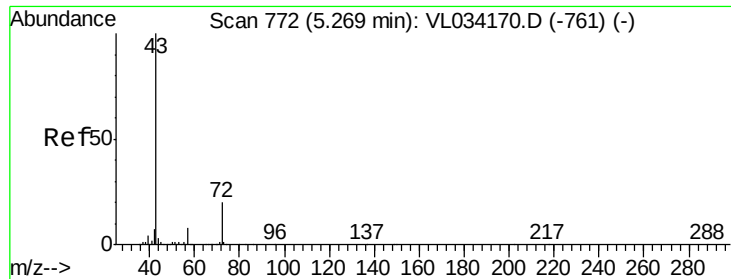
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion: 114 Resp: 1706826
Ion Ratio Lower Upper
114 100
63 31.5 27.8 41.6
88 20.3 17.1 25.7



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

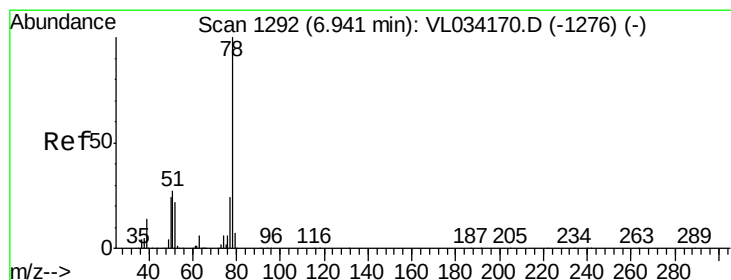
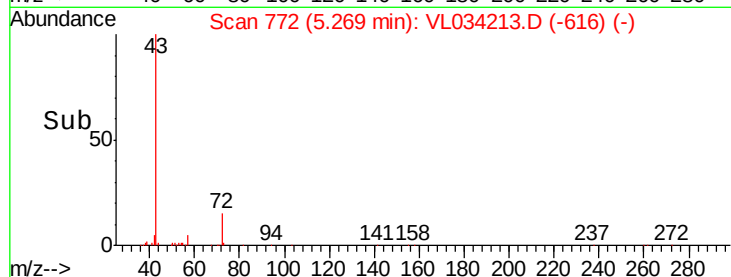
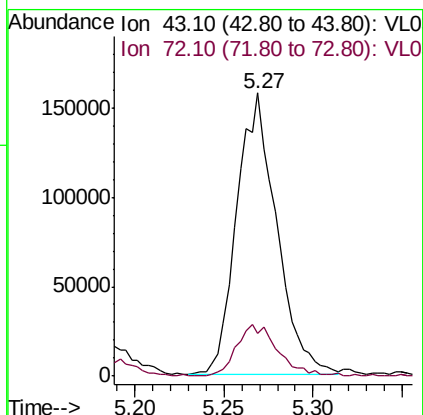
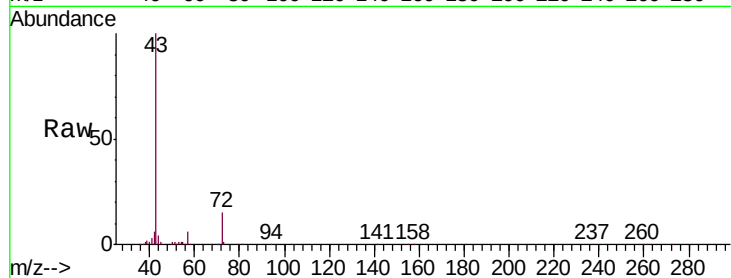




#34
2-Butanone
Concen: 1.414 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

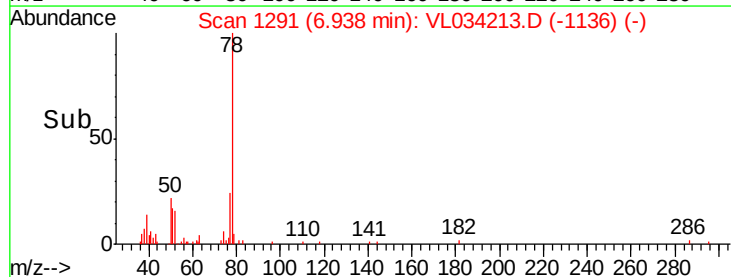
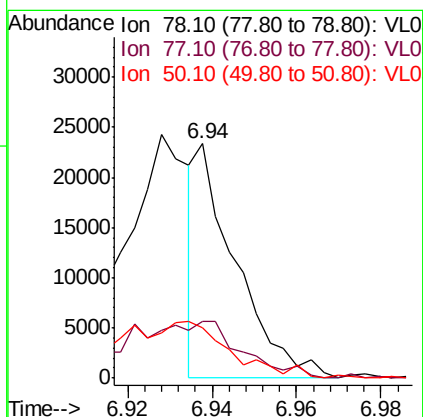
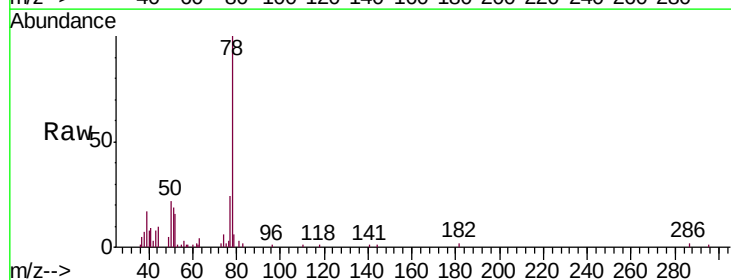
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

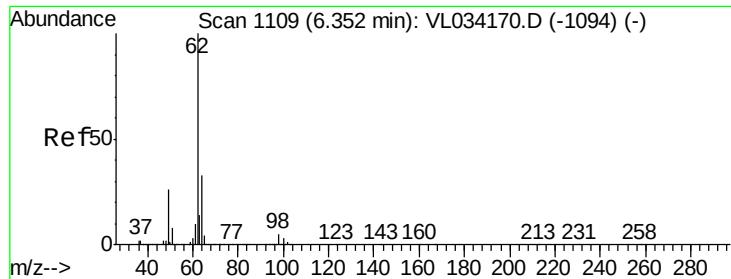
Tgt Ion: 43 Resp: 246346
Ion Ratio Lower Upper
43 100
72 19.3 15.0 22.6



#36
Benzene
Concen: 0.081 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion: 78 Resp: 15291
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4
50 20.3 18.9 28.3





#37

1,2-Dichloroethane

Concen: 0.073 ppbv

RT: 6.35 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

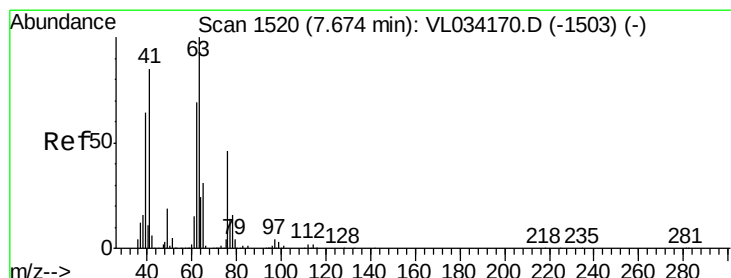
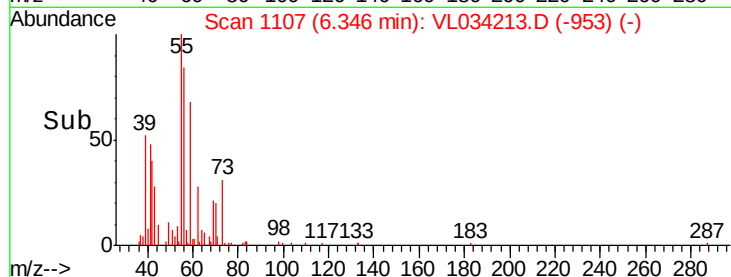
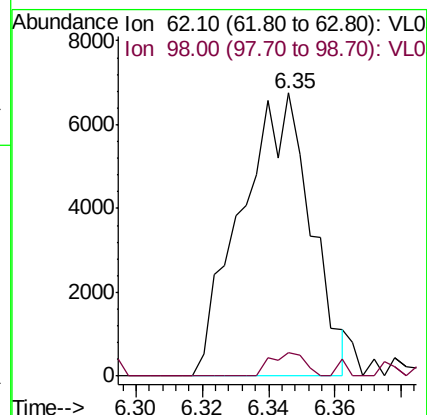
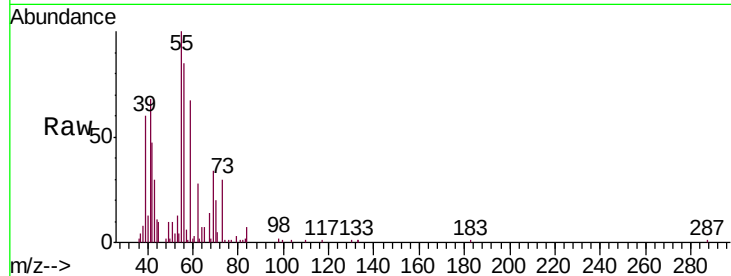
SV-2DL

Tgt Ion: 62 Resp: 9846

Ion Ratio Lower Upper

62 100

98 4.9 3.8 5.8



#39

1,2-Dichloropropane

Concen: 6.258 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.46 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

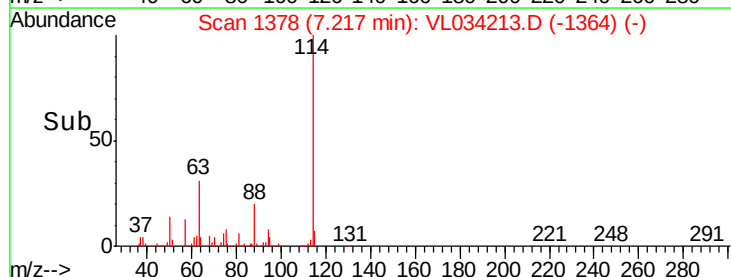
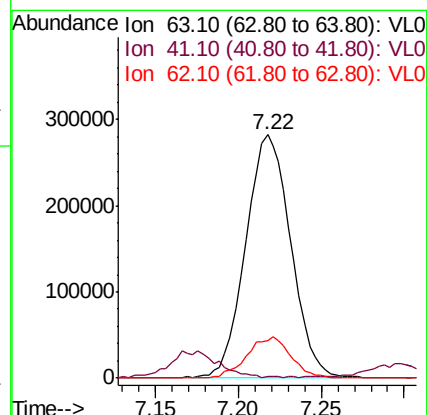
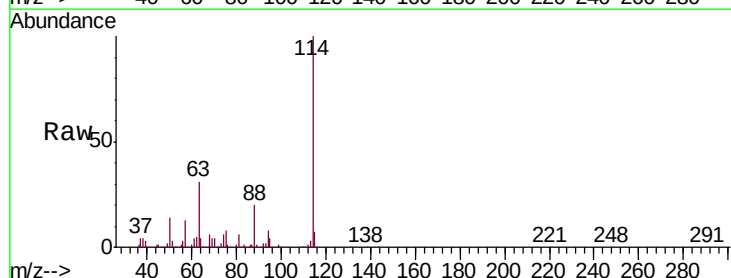
Tgt Ion: 63 Resp: 530009

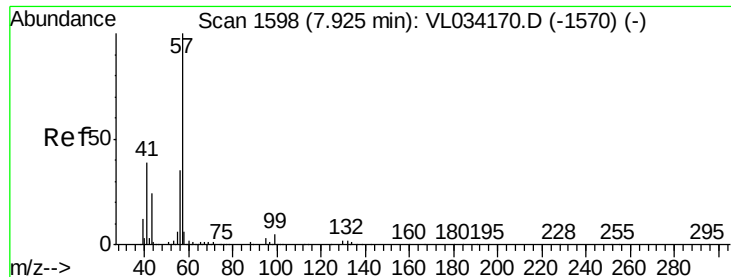
Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

62 15.4 55.4 83.2#

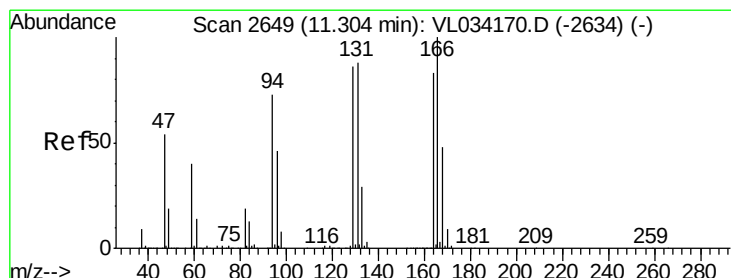
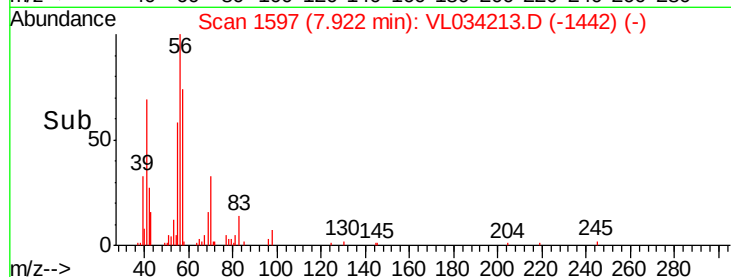
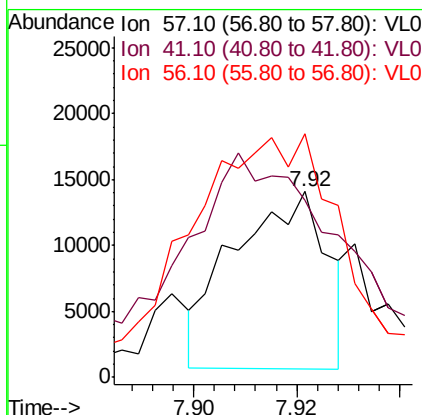
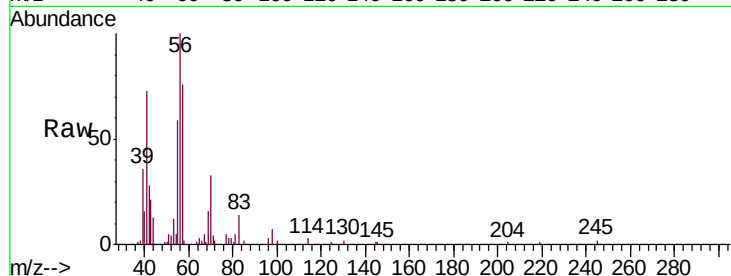




#44
 2,2,4-Trimethylpentane
 Concen: 0.046 ppbv
 RT: 7.92 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VL034213.D
 Acq: 2 Oct 2019 16:32

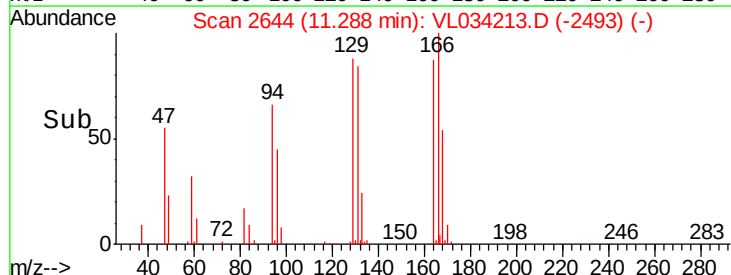
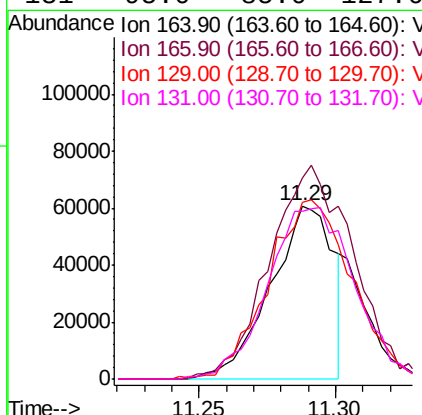
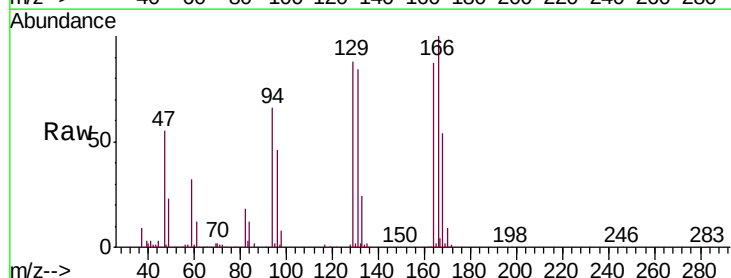
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

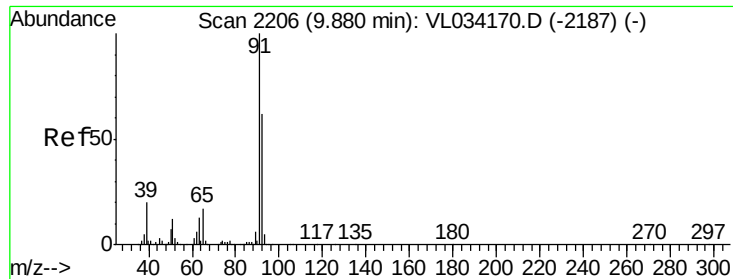
Tgt Ion: 57 Resp: 16855
 Ion Ratio Lower Upper
 57 100
 41 0.0 29.8 44.6#
 56 235.1 25.9 38.9#



#52
 Tetrachloroethene
 Concen: 1.543 ppbv
 RT: 11.29 min Scan# 2644
 Delta R.T. -0.02 min
 Lab File: VL034213.D
 Acq: 2 Oct 2019 16:32

Tgt Ion: 164 Resp: 96069
 Ion Ratio Lower Upper
 164 100
 166 114.8 96.7 145.1
 129 101.5 82.8 124.2
 131 95.0 85.0 127.6





#53

Toluene

Concen: 1.144 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

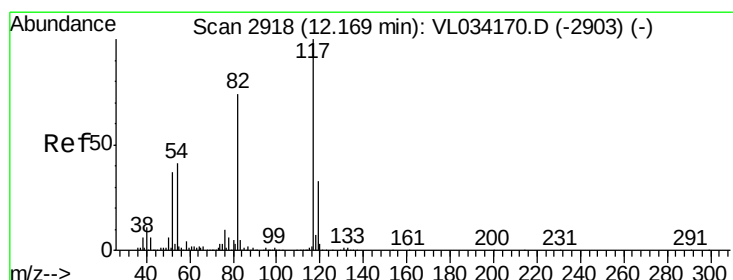
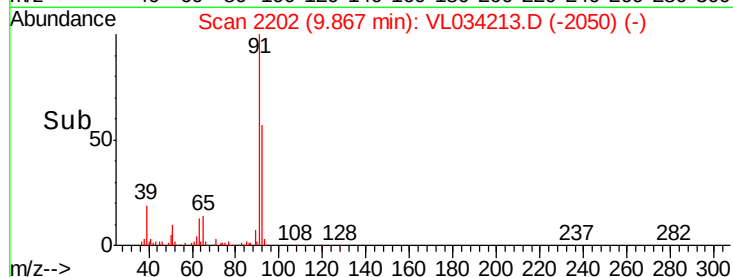
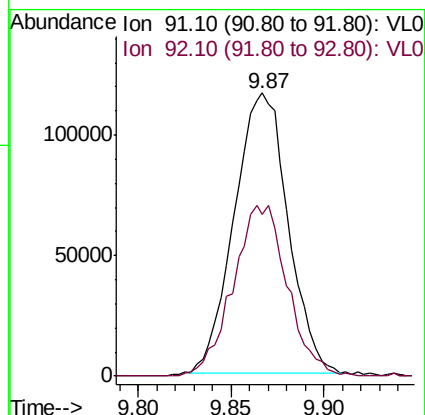
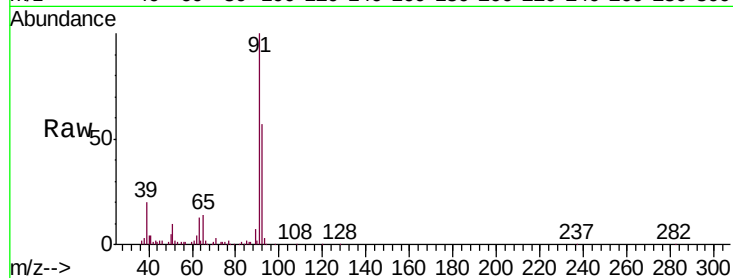
SV-2DL

Tgt Ion: 91 Resp: 235730

Ion Ratio Lower Upper

91 100

92 61.4 49.0 73.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

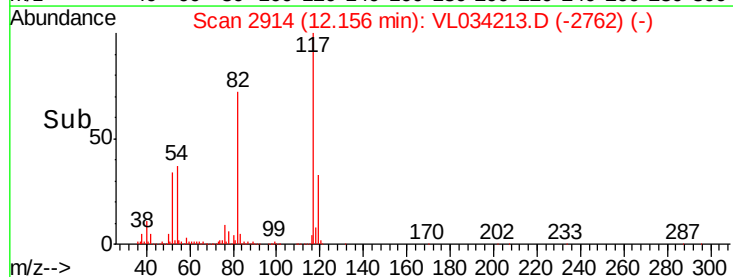
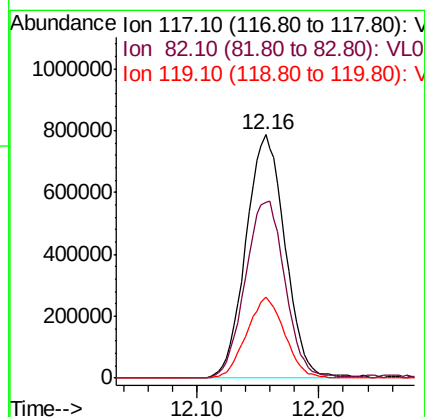
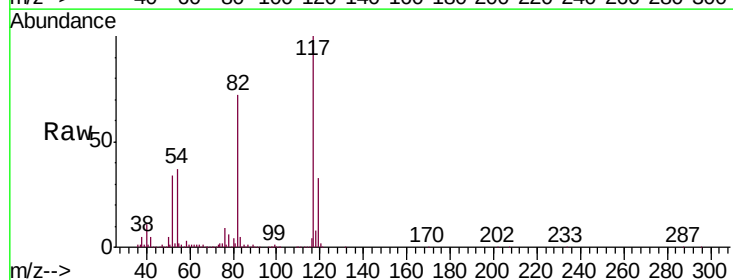
Tgt Ion: 117 Resp: 1737539

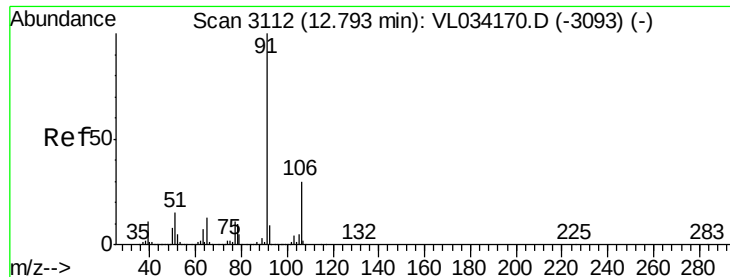
Ion Ratio Lower Upper

117 100

82 74.4 58.2 87.4

119 32.8 23.7 35.5





#58

Ethyl Benzene

Concen: 0.068 ppbv

RT: 12.78 min Scan# 3109

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampled :

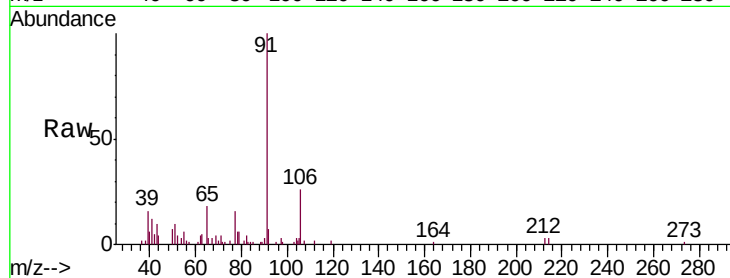
SV-2DL

Tgt Ion: 91 Resp: 19039

Ion Ratio Lower Upper

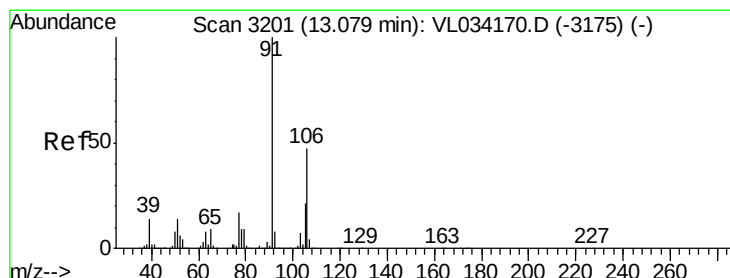
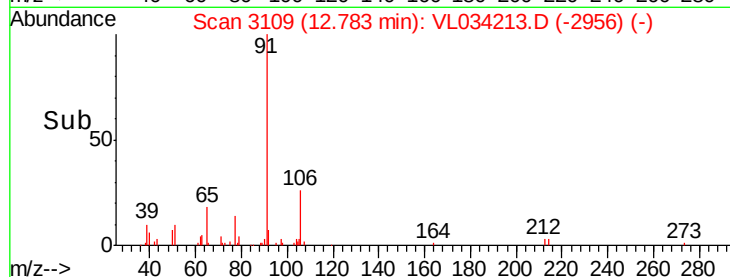
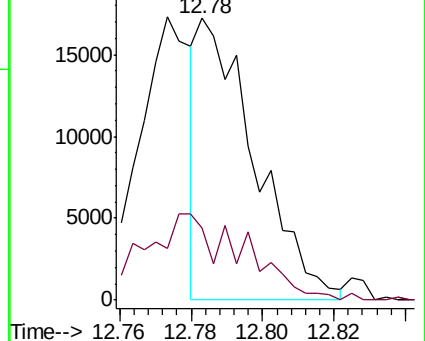
91 100

106 26.8 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.093 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL034213.D

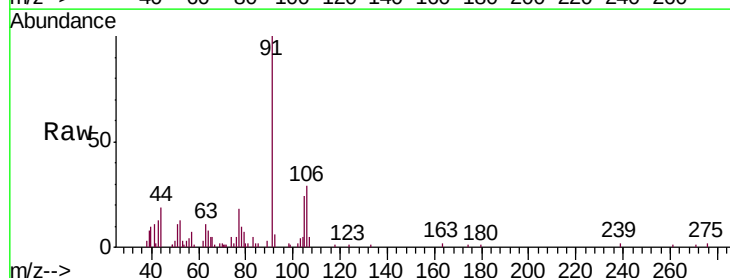
Acq: 2 Oct 2019 16:32

Tgt Ion: 91 Resp: 21694

Ion Ratio Lower Upper

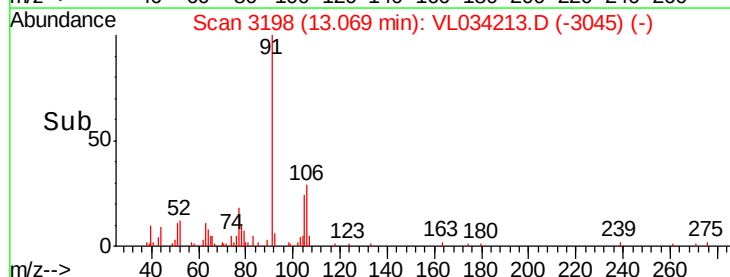
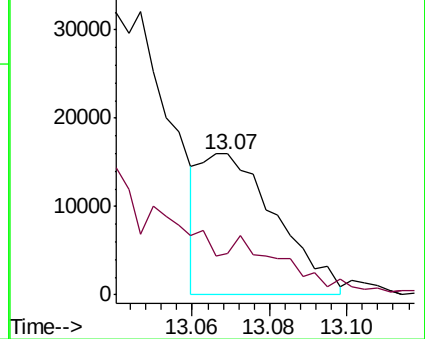
91 100

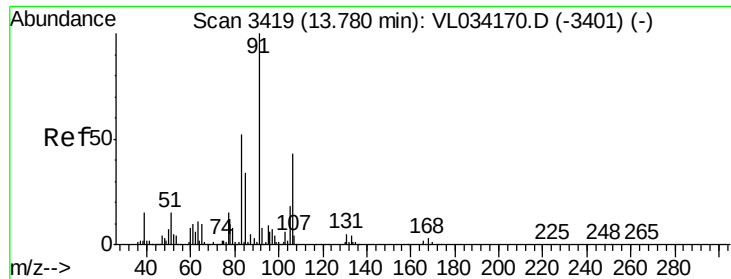
106 0.0 35.5 53.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

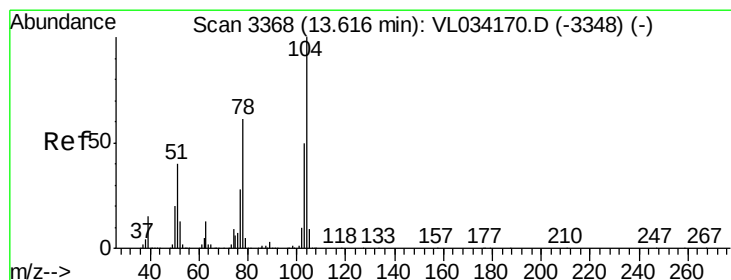
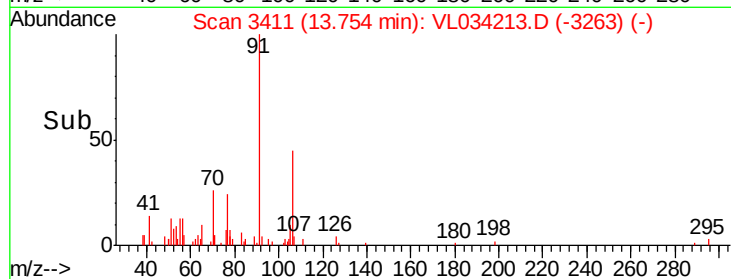
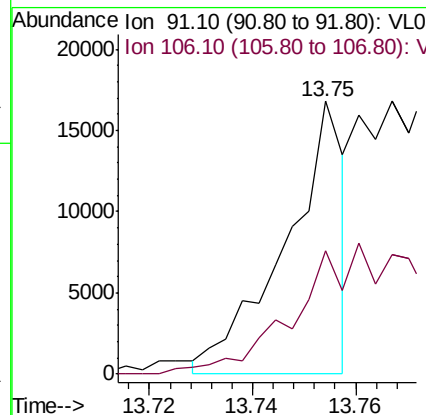
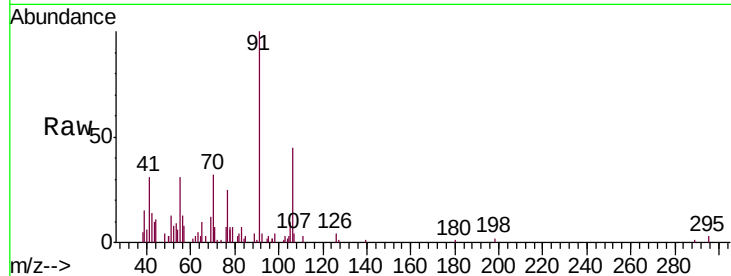




#60
o-Xylene
Concen: 0.057 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.03 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

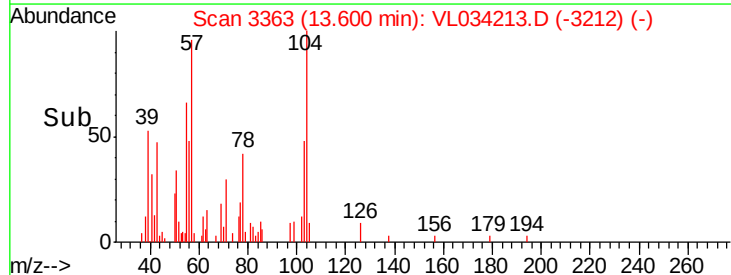
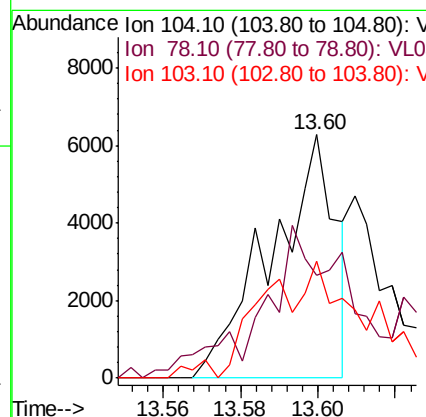
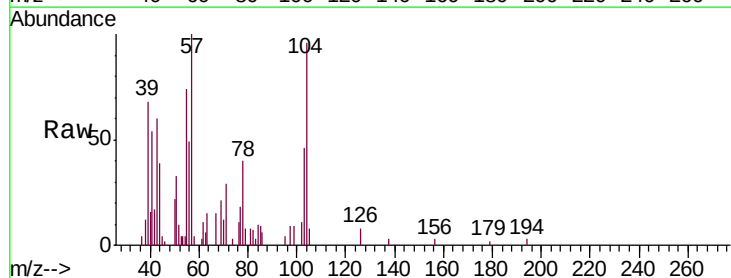
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

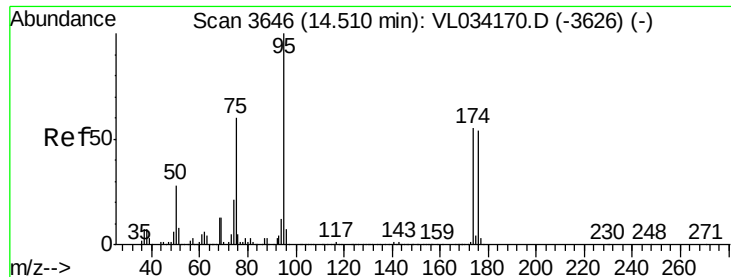
Tgt Ion: 91 Resp: 13268
Ion Ratio Lower Upper
91 100
106 128.1 21.2 63.6#



#61
Styrene
Concen: 0.044 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion: 104 Resp: 7278
Ion Ratio Lower Upper
104 100
78 103.1 49.7 74.5#
103 80.9 38.4 57.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.942 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

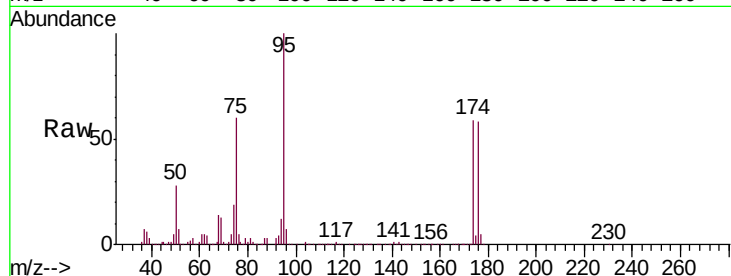
Tgt Ion: 95 Resp: 1501021

Ion Ratio Lower Upper

95 100

174 59.8 45.1 67.7

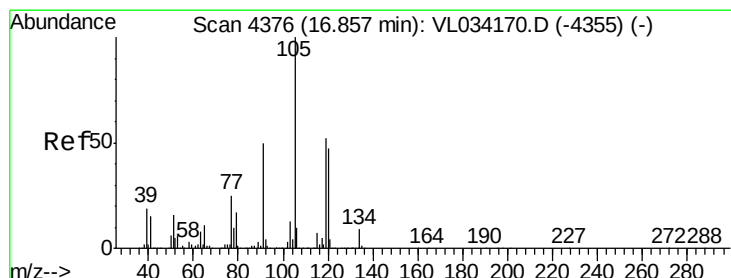
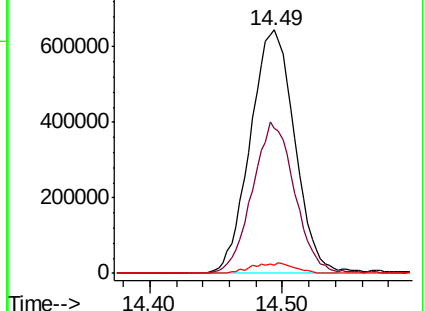
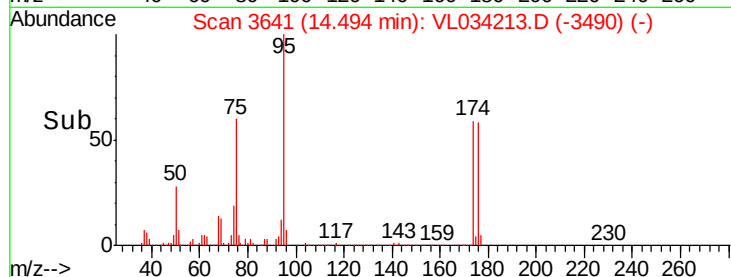
175 4.3 3.3 4.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.101 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. -0.02 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Tgt Ion: 105 Resp: 27168

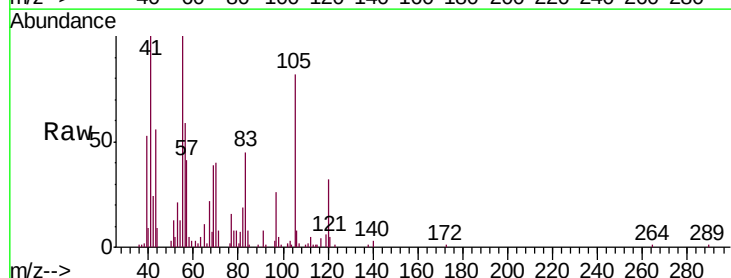
Ion Ratio Lower Upper

105 100

120 39.4 37.5 56.3

91 9.6 41.1 61.7#

77 20.0 19.9 29.9



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

