

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033224.D
 Acq On : 15 Feb 2019 9:48
 Operator : SY/AP
 Sample : K1483-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-CDUP

Quant Time: Feb 16 05:10:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

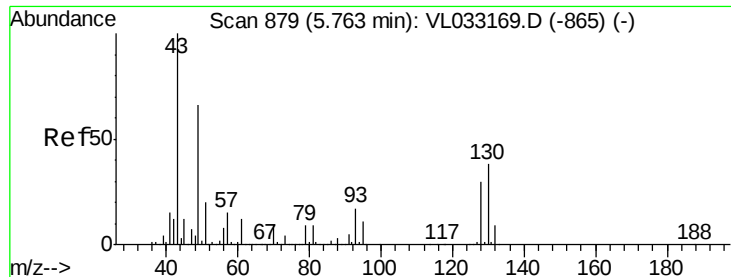
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	873176	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1866762	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1882036	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1524878	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	89404	0.536	ppbv	98
3) Chlorodifluoromethane	3.02	51	38311m	0.364	ppbv	
4) Chloromethane	3.17	50	11518m	0.207	ppbv	
7) Chloroethane	3.60	64	24895	1.314	ppbv #	87
10) Heptane	8.25	43	25669	0.167	ppbv	97
11) Trichlorofluoromethane	4.01	101	49815	0.369	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.56	101	121532	1.297	ppbv	96
13) Ethanol	3.65	45	73645	4.348	ppbv	99
15) Acetone	3.91	43	445497m	4.529	ppbv	
18) 1,1-Dichloroethene	4.35	96	56433	1.346	ppbv	97
19) Isopropyl Alcohol	4.02	45	843676	12.645	ppbv	99
20) Methylene Chloride	4.41	84	101700	2.599	ppbv	94
22) trans-1,2-Dichloroethene	4.97	96	13068	0.321	ppbv	87
24) 1,1-Dichloroethane	5.09	63	3306069	27.414	ppbv	100
26) Hexane	5.78	57	134878	1.299	ppbv #	41
31) cis-1,2-Dichloroethene	5.64	61	30081m	0.289	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	5268155	30.067	ppbv	99
34) 2-Butanone	5.34	43	48283	0.408	ppbv	100
35) Carbon Tetrachloride	7.13	117	11211m	0.079	ppbv	
36) Benzene	7.01	78	48612	0.257	ppbv #	94
38) Trichloroethene	7.97	130	81994m	1.012	ppbv	
40) 1,4-Dioxane	7.97	88	124768m	4.595	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	95874	0.299	ppbv #	91
47) 1,1,2-Trichloroethane	9.62	97	8724	0.113	ppbv #	69
52) Tetrachloroethene	11.37	164	64348m	0.885	ppbv	
53) Toluene	9.95	91	190579	0.851	ppbv	95
58) Ethyl Benzene	12.86	91	128405	0.422	ppbv #	85
59) m/p-Xylene	13.12	91	598307	2.354	ppbv #	100
60) o-Xylene	13.85	91	155444	0.629	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	95857	0.339	ppbv #	70

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

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ClientSampleId :

ZONE-CDUP

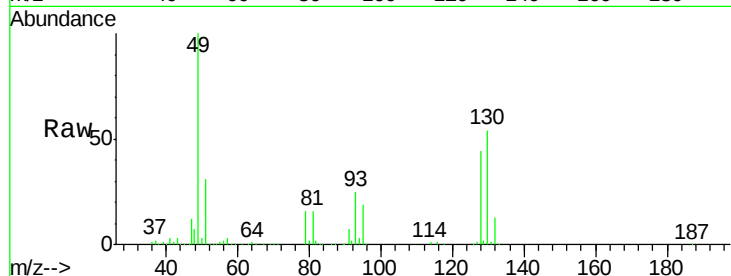
Tot Ion: 49 Resp: 873176

Ion Ratio Lower Upper

49 100

128 44.6 23.6 71.0

130 57.5 30.3 91.0



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

5.76

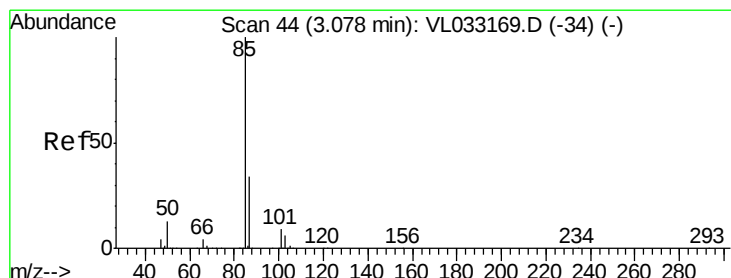
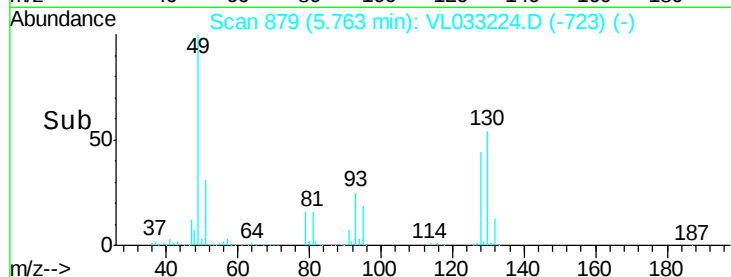
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.536 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033224.D

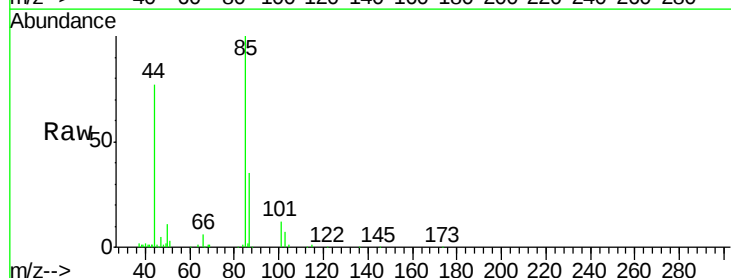
Acq: 15 Feb 2019 9:48

Tgt Ion: 85 Resp: 89404

Ion Ratio Lower Upper

85 100

87 35.2 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

80000

60000

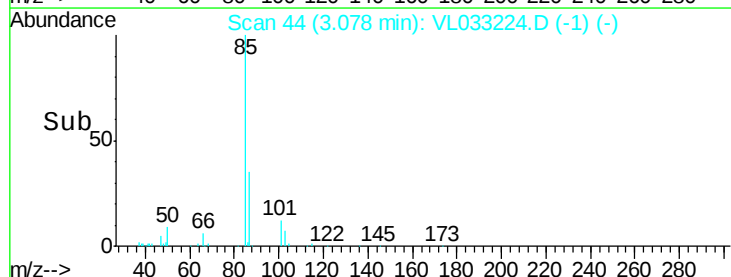
40000

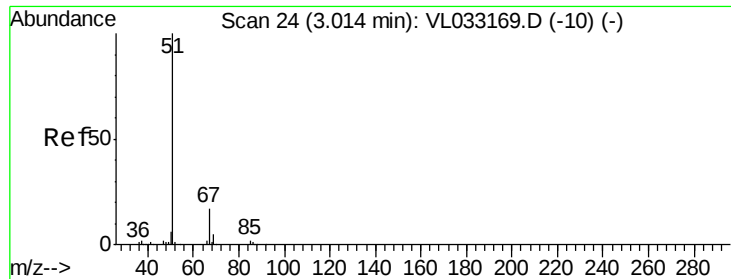
20000

0

3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 0.364 ppbv m

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

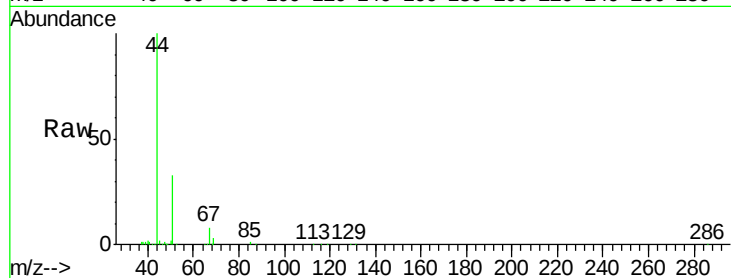
ZONE-CDUP

Tot Ion: 51 Resp: 38311

Ion Ratio Lower Upper

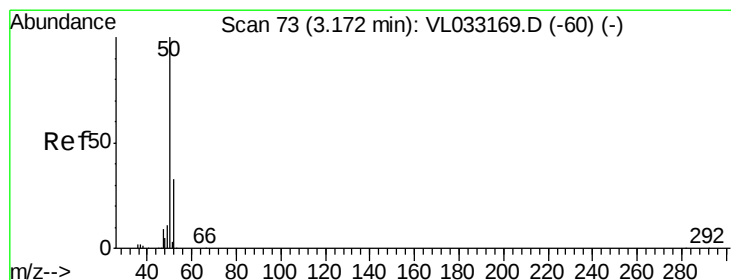
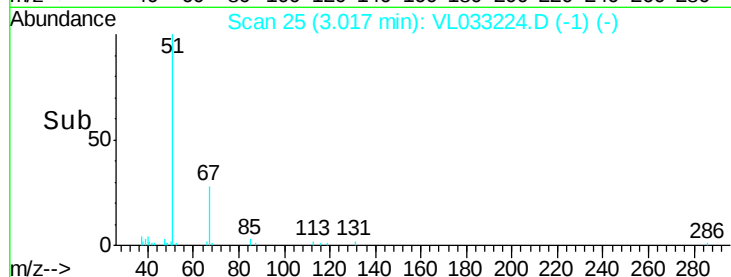
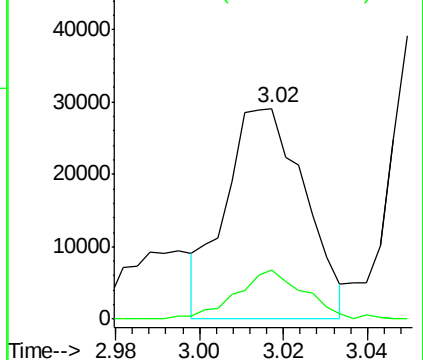
51 100

67 20.0 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.207 ppbv m

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033224.D

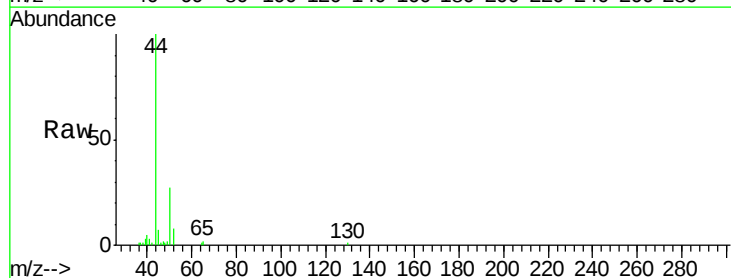
Acq: 15 Feb 2019 9:48

Tgt Ion: 50 Resp: 11518

Ion Ratio Lower Upper

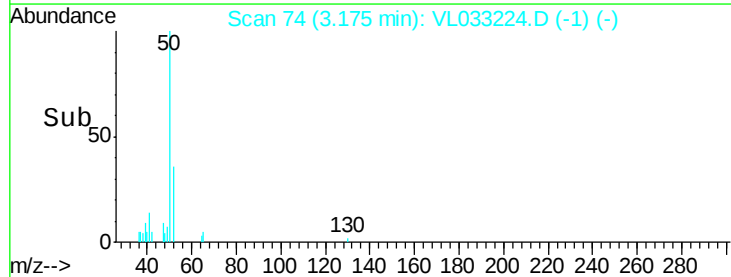
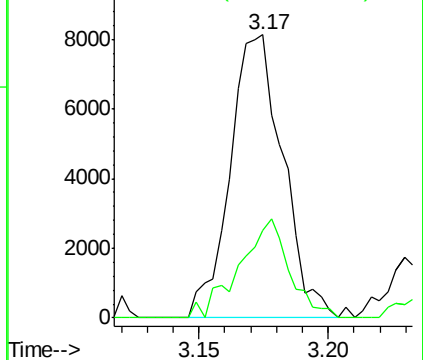
50 100

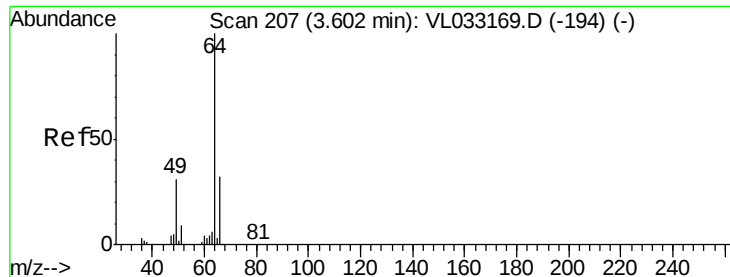
52 31.0 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 1.314 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

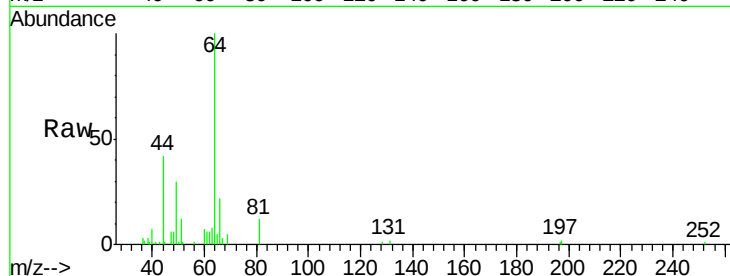
ZONE-CDUP

Tot Ion: 64 Resp: 24895

Ion Ratio Lower Upper

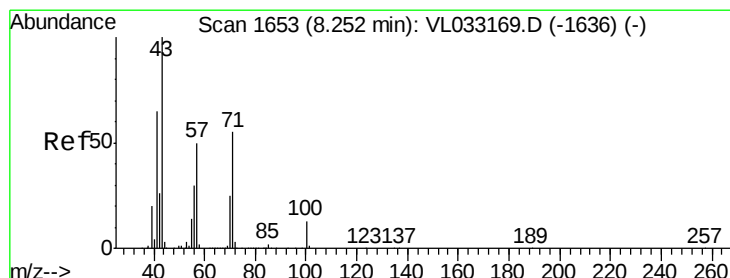
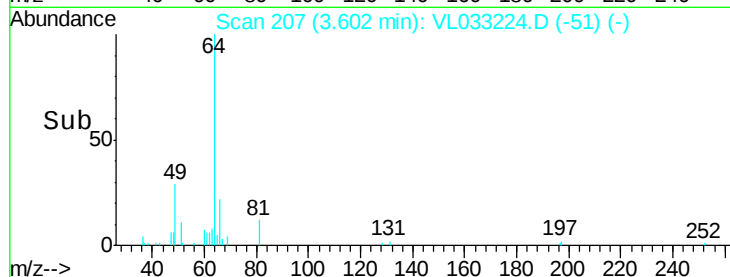
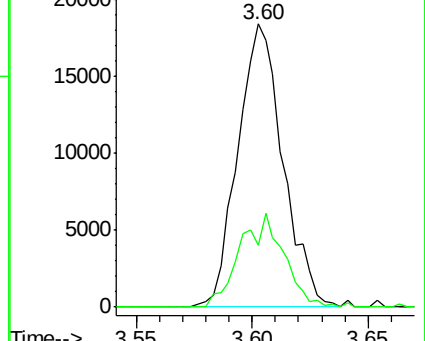
64 100

66 25.0 26.0 39.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#10

Heptane

Concen: 0.167 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033224.D

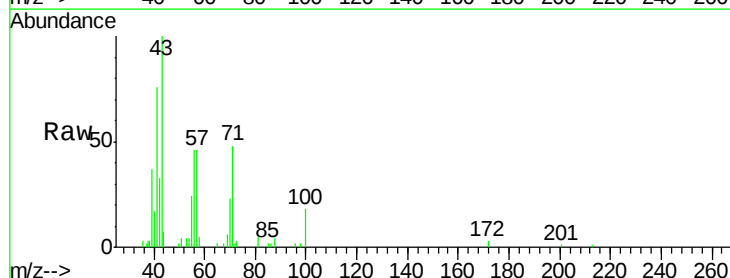
Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 25669

Ion Ratio Lower Upper

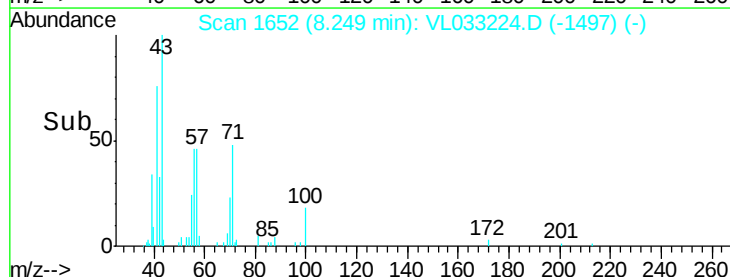
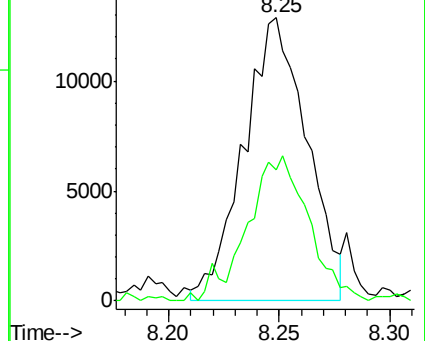
43 100

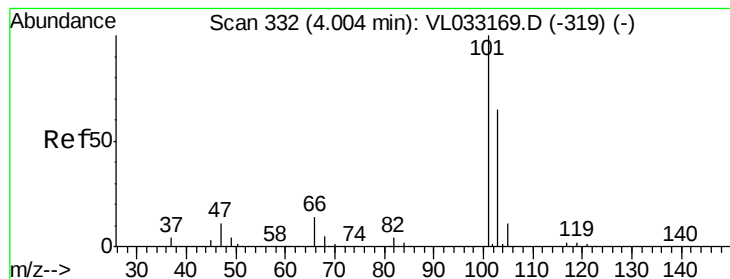
57 51.3 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.369 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

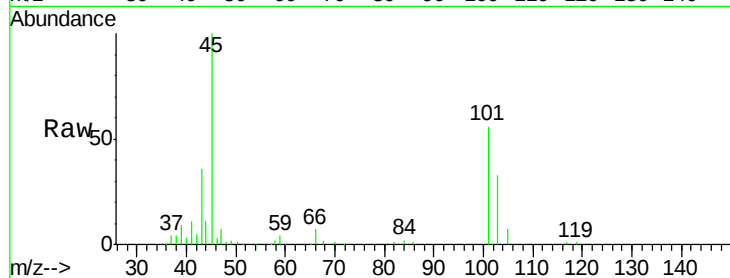
ZONE-CDUP

Tot Ion:101 Resp: 49815

Ion Ratio Lower Upper

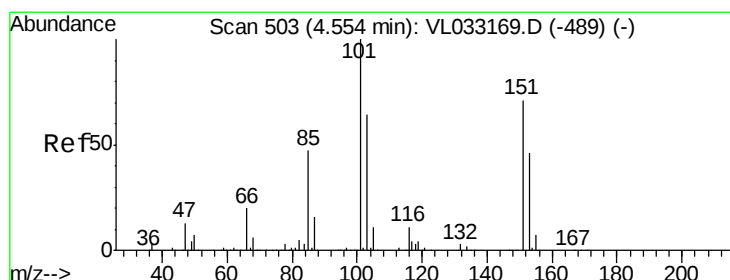
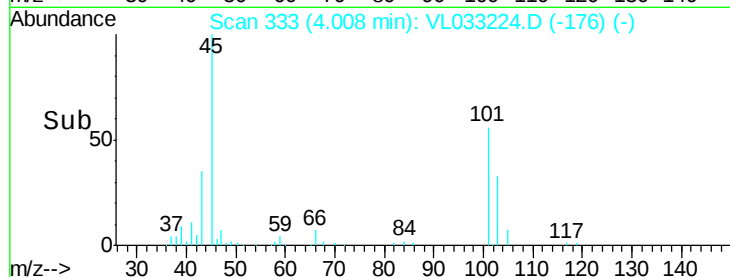
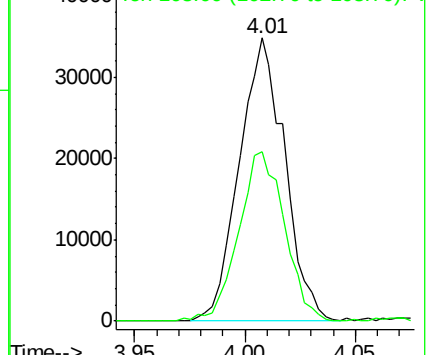
101 100

103 59.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.297 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033224.D

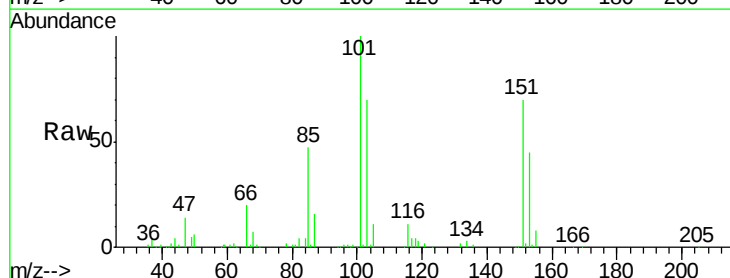
Acq: 15 Feb 2019 9:48

Tgt Ion:101 Resp: 121532

Ion Ratio Lower Upper

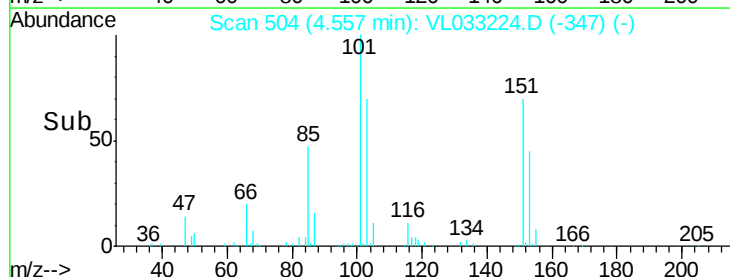
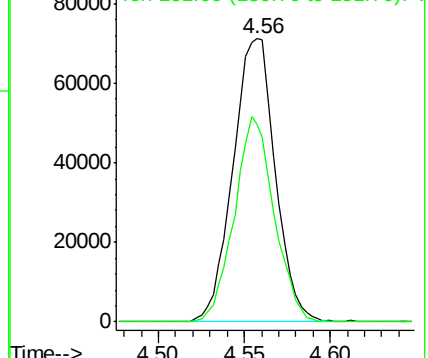
101 100

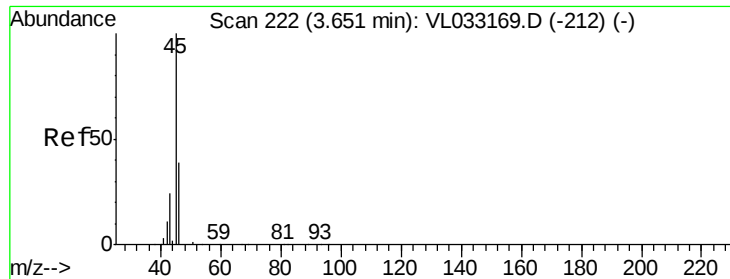
151 68.1 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.348 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

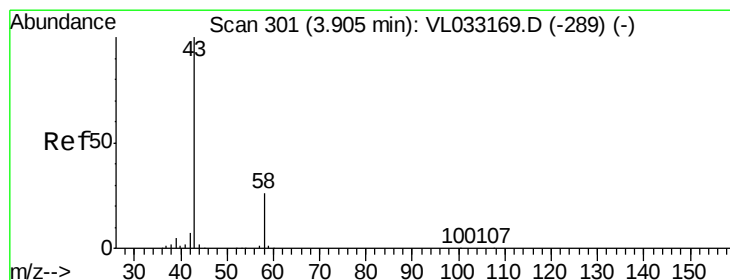
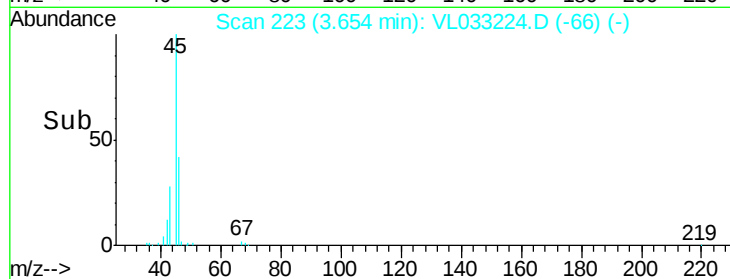
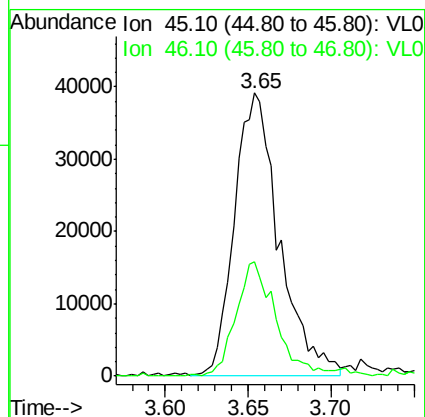
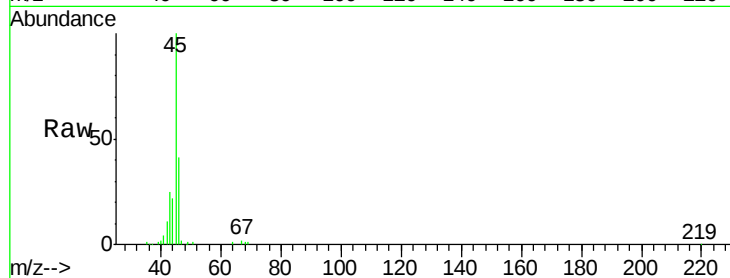
ZONE-CDUP

Tot Ion: 45 Resp: 73645

Ion Ratio Lower Upper

45 100

46 37.1 15.0 60.2



#15

Acetone

Concen: 4.529 ppbv m

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033224.D

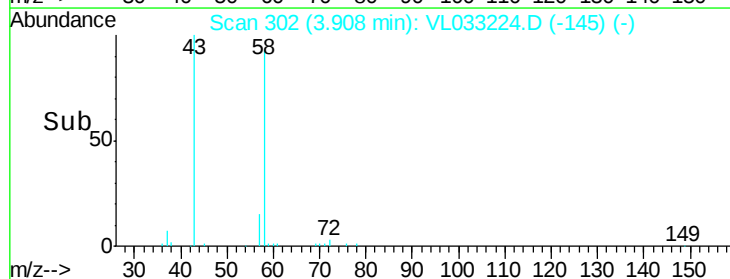
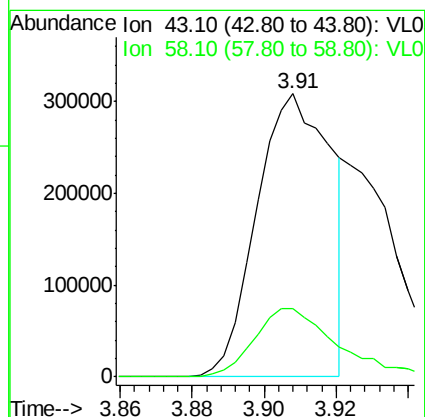
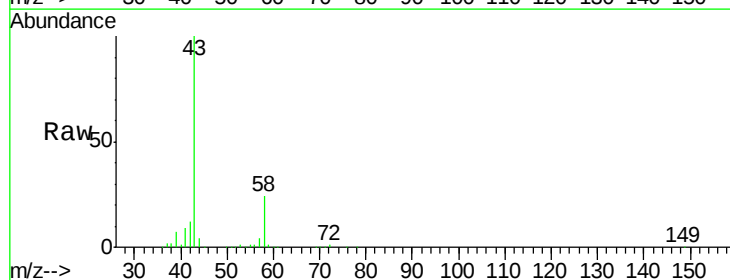
Acq: 15 Feb 2019 9:48

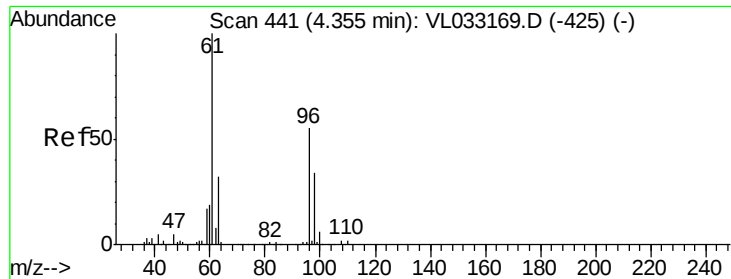
Tgt Ion: 43 Resp: 445497

Ion Ratio Lower Upper

43 100

58 27.2 21.1 31.7





#18

1,1-Dichloroethene

Concen: 1.346 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

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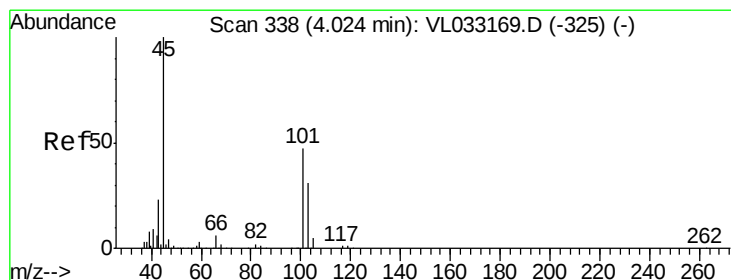
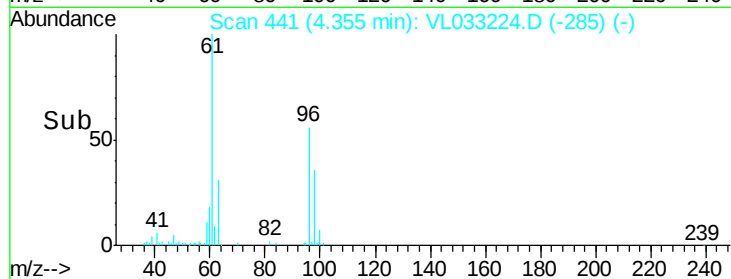
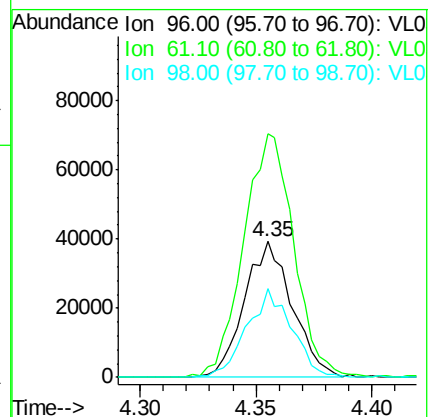
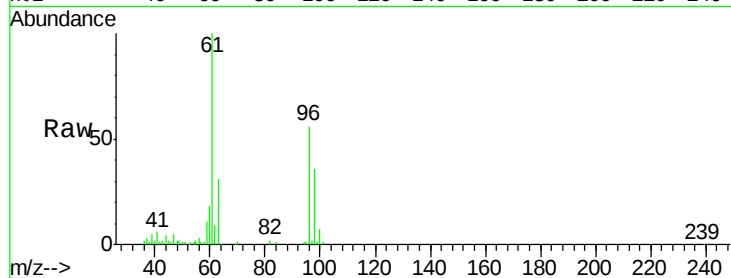
Tot Ion: 96 Resp: 56433

Ion Ratio Lower Upper

96 100

61 177.2 145.0 217.6

98 64.5 50.0 75.0



#19

Isopropyl Alcohol

Concen: 12.645 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033224.D

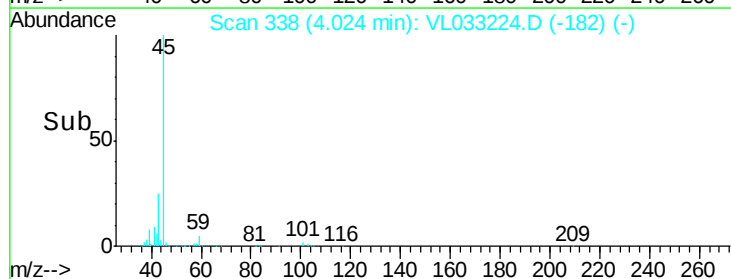
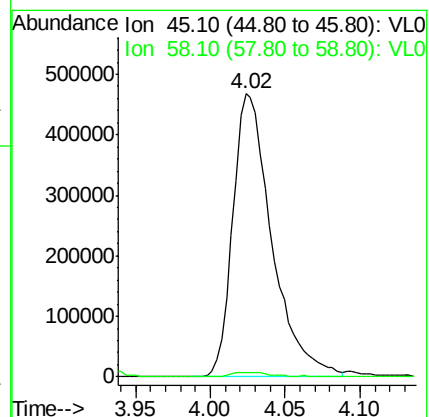
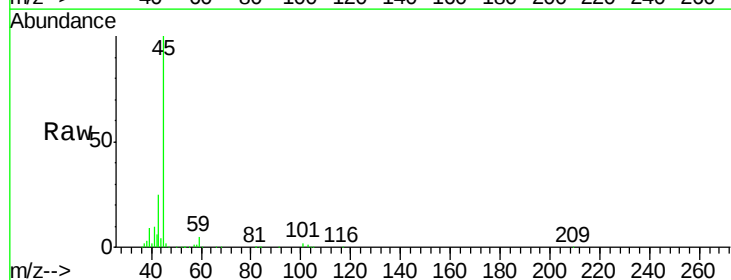
Acq: 15 Feb 2019 9:48

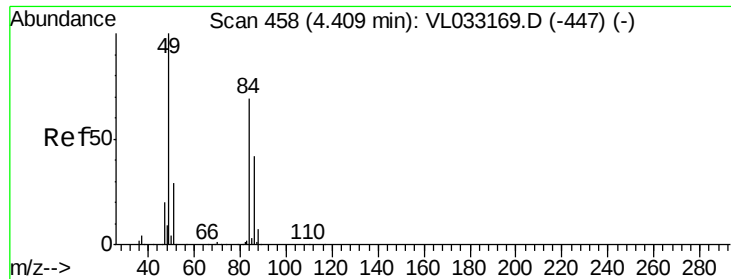
Tgt Ion: 45 Resp: 843676

Ion Ratio Lower Upper

45 100

58 2.1 1.5 2.3

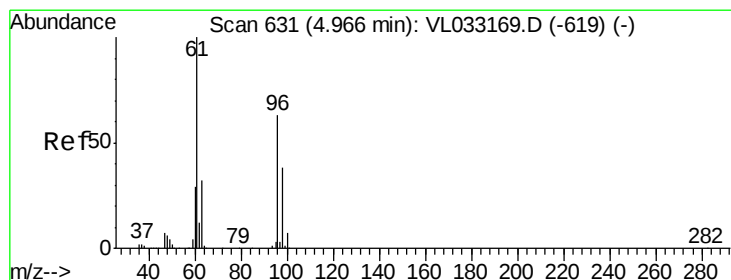
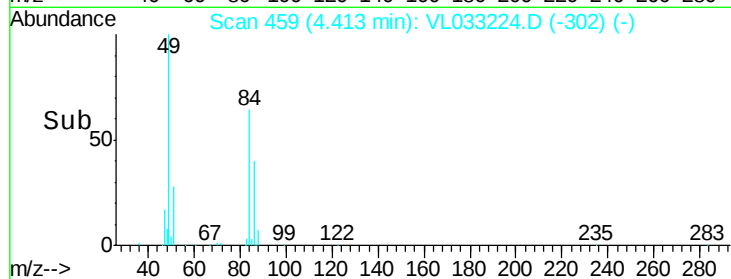
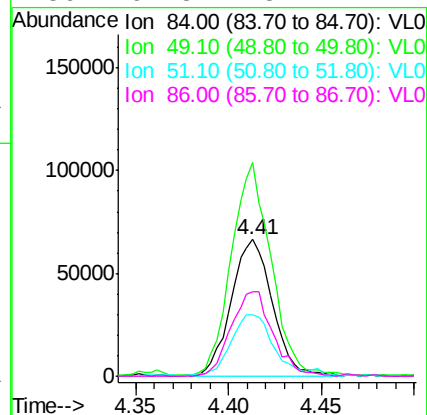
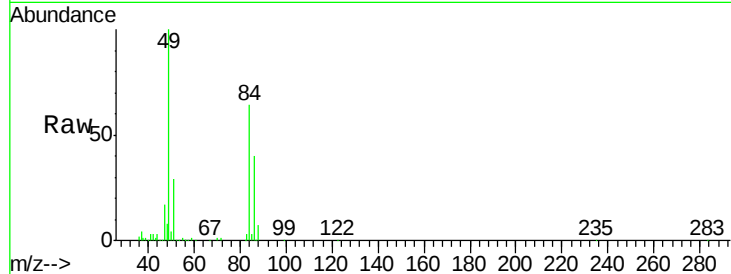




#20
Methylene Chloride
Concen: 2.599 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

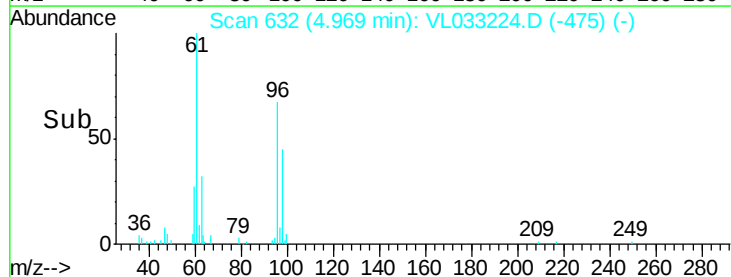
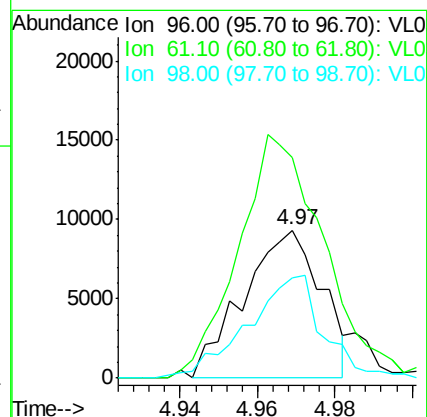
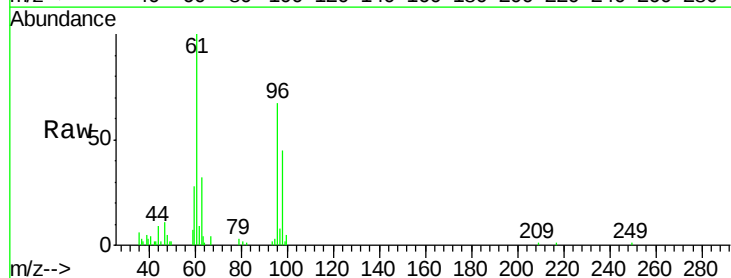
Instrument :
MSVOA_L
ClientSampleId :
ZONE-CDUP

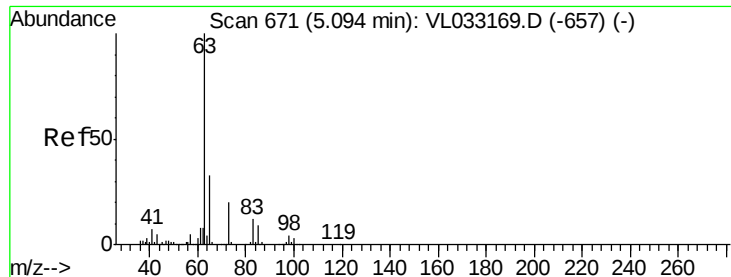
Tot Ion:	84	Resp:	101700
Ion	Ratio	Lower	Upper
84	100		
49	155.6	115.8	173.8
51	44.5	33.0	49.6
86	61.8	48.2	72.2



#22
trans-1,2-Dichloroethene
Concen: 0.321 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion:	96	Resp:	13068
Ion	Ratio	Lower	Upper
96	100		
61	136.8	126.4	189.6
98	63.3	48.4	72.6





#24

1,1-Dichloroethane

Concen: 27.414 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

ZONE-CDUP

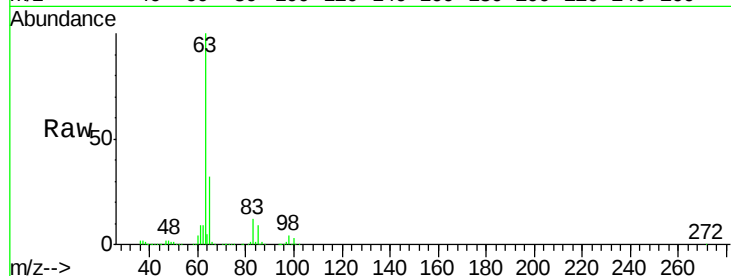
Tot Ion: 63 Resp: 3306069

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

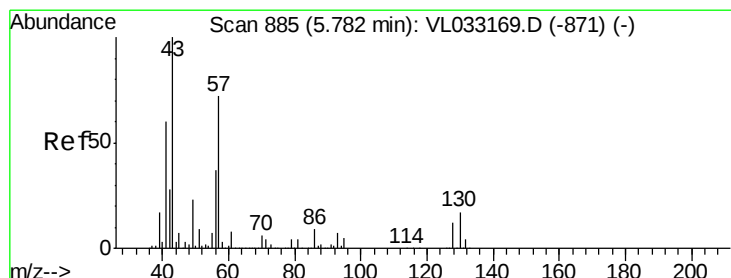
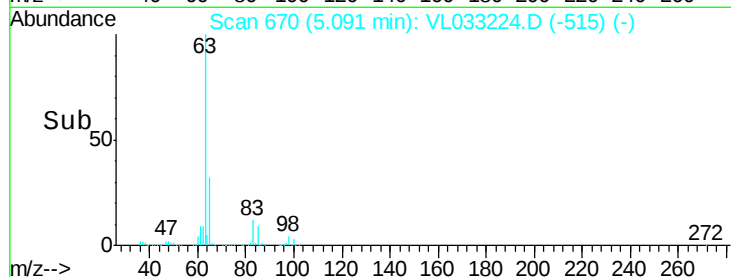
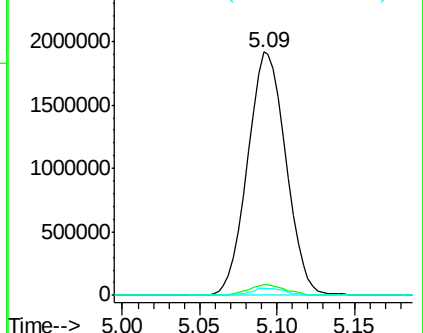
100 2.6 1.4 4.2



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



#26

Hexane

Concen: 1.299 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 57 Resp: 134878

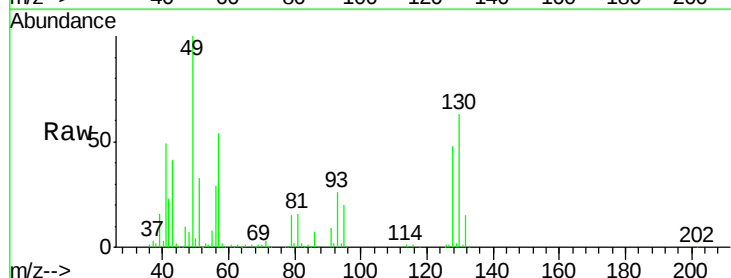
Ion Ratio Lower Upper

57 100

41 94.5 69.4 104.2

43 75.1 176.7 265.1#

56 56.4 41.4 62.0

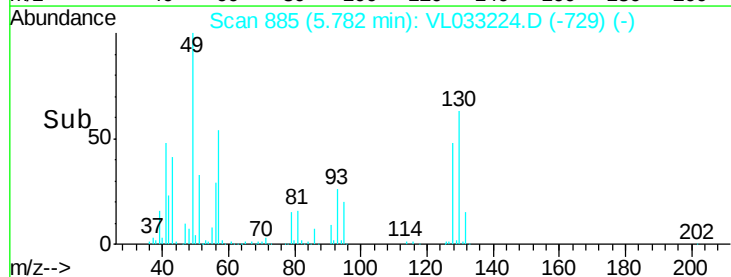
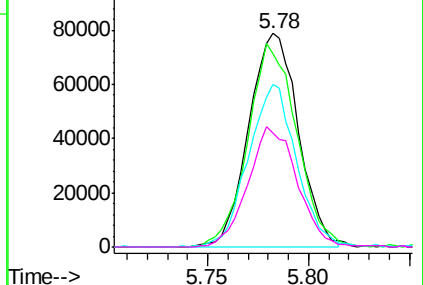


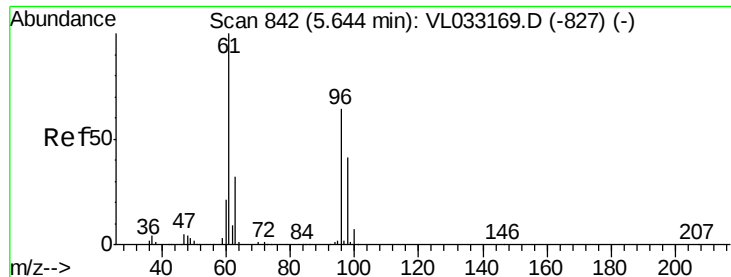
Abundance Ion 57.10 (56.80 to 57.80): VL0

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



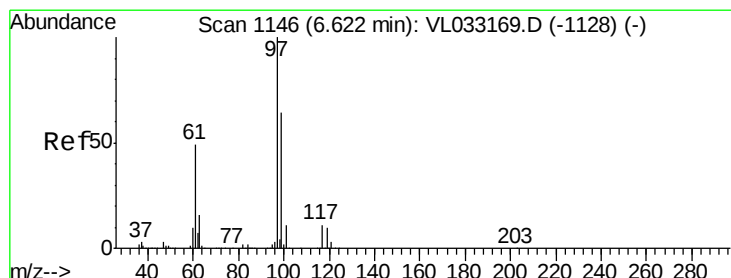
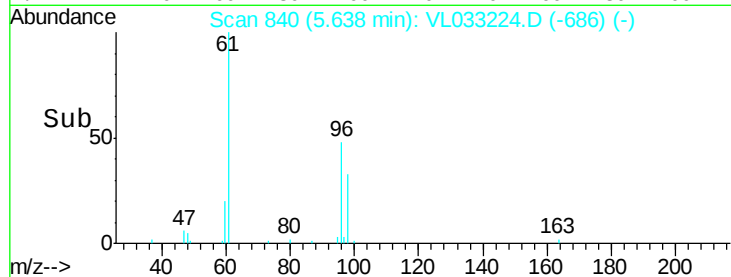
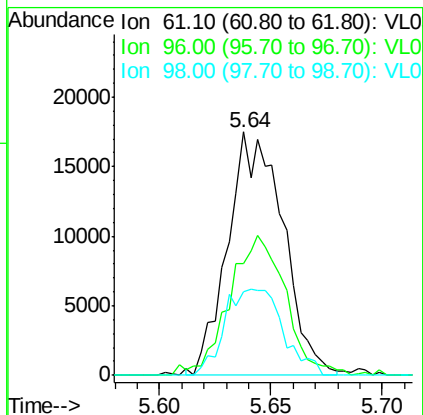
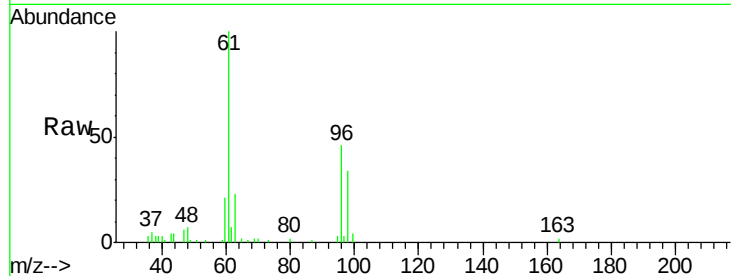


#31

cis-1,2-Dichloroethene
Concen: 0.289 ppbv m
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Instrument :
MSVOA_L
ClientSampleId :
ZONE-CDUP

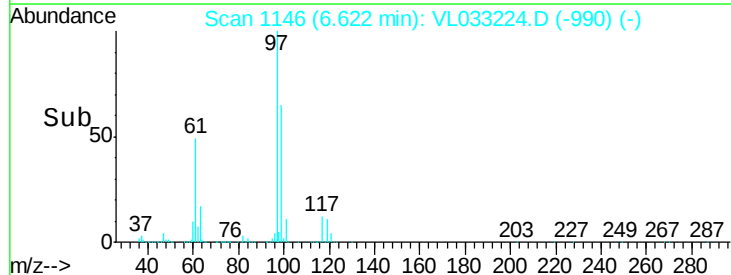
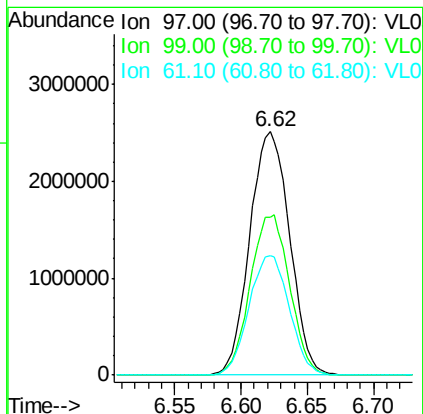
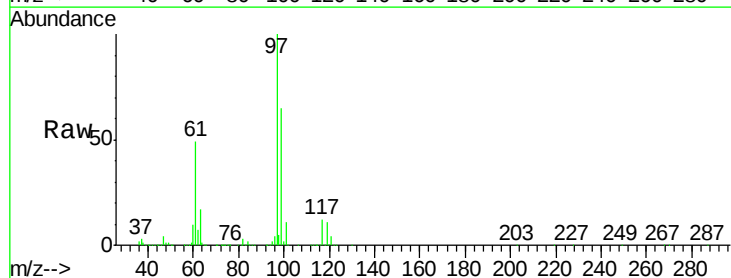
Tot Ion	61.10	Resp	30081
Ion	Ratio	Lower	Upper
61	100		
96	46.0	51.2	76.8#
98	34.4	32.8	49.2

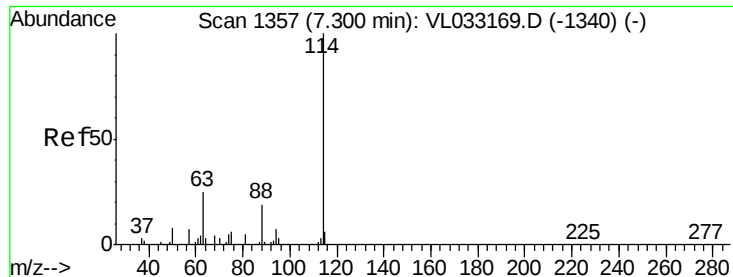


#32

1,1,1-Trichloroethane
Concen: 30.067 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion	97	Resp	5268155
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	49.7	38.9	58.3

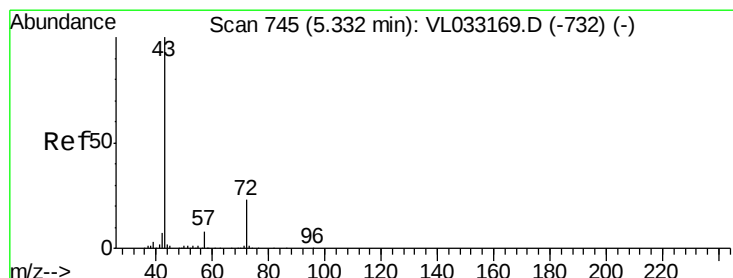
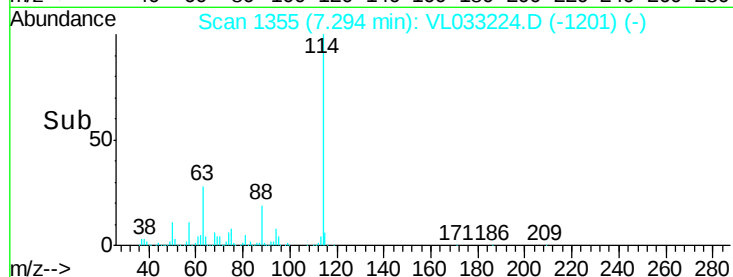
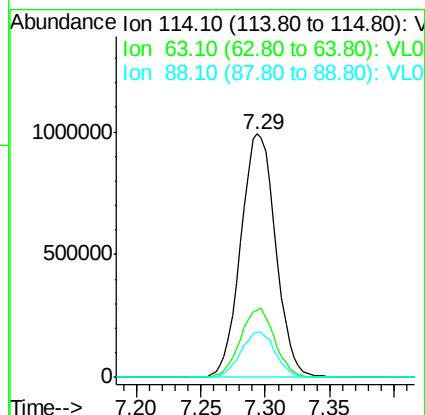
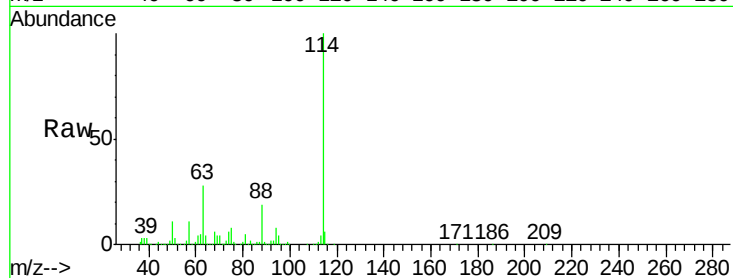




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

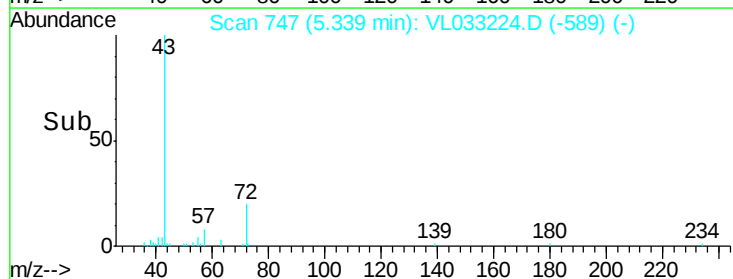
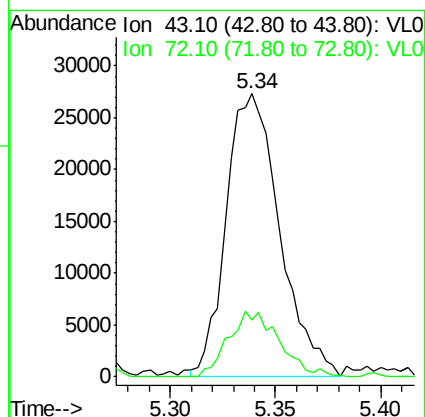
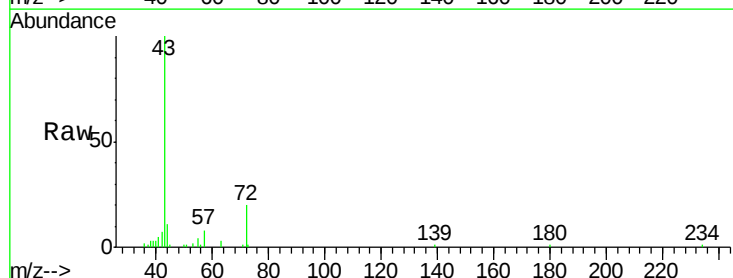
Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-CDUP

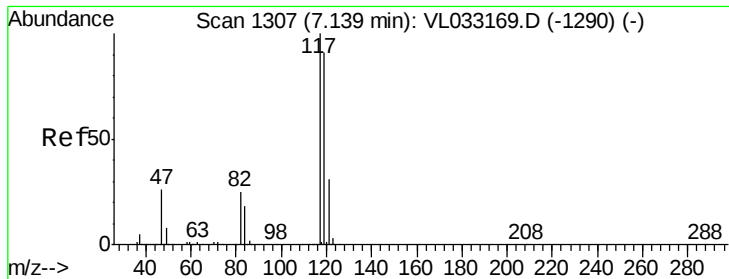
Tot Ion:114 Resp: 1866762
 Ion Ratio Lower Upper
 114 100
 63 28.1 20.8 31.2
 88 18.5 14.6 22.0



#34
 2-Butanone
 Concen: 0.408 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 48283
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.8 26.6





#35

Carbon Tetrachloride

Concen: 0.079 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

ZONE-CDUP

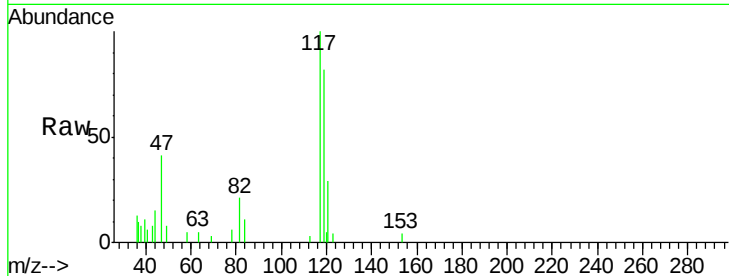
Tot Ion:117 Resp: 11211

Ion Ratio Lower Upper

117 100

119 81.8 73.0 109.6

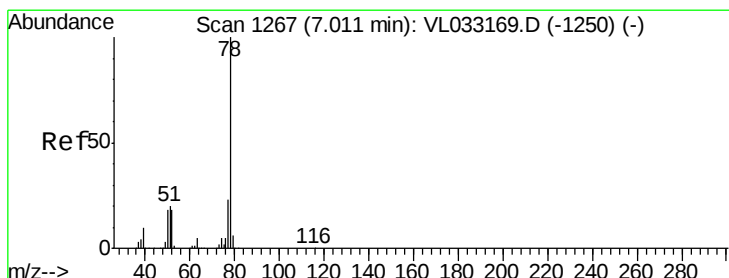
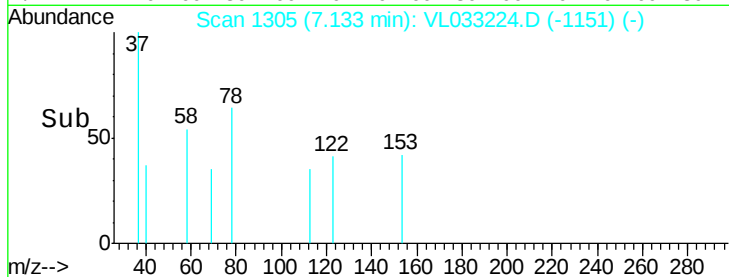
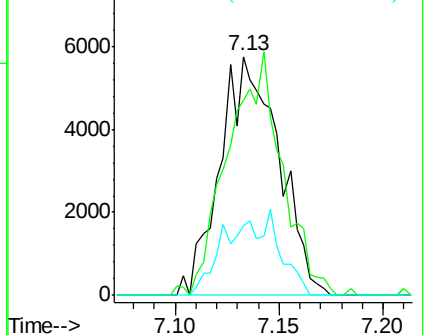
121 29.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.257 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

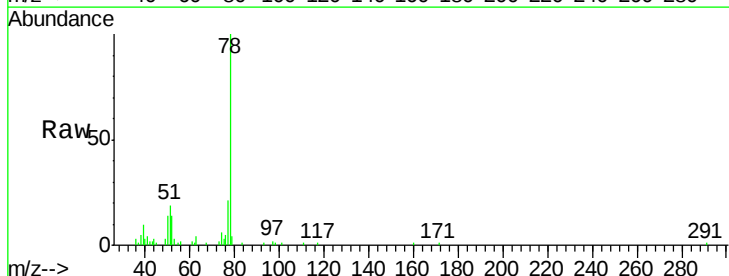
Tgt Ion: 78 Resp: 48612

Ion Ratio Lower Upper

78 100

77 20.4 18.0 27.0

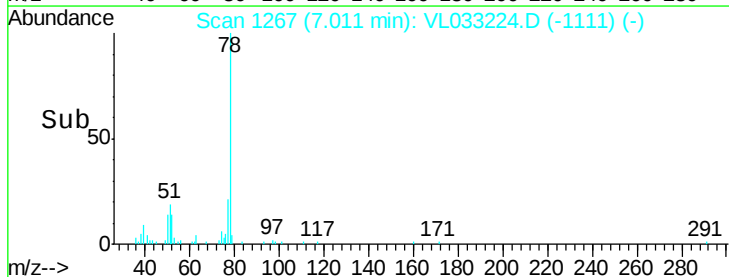
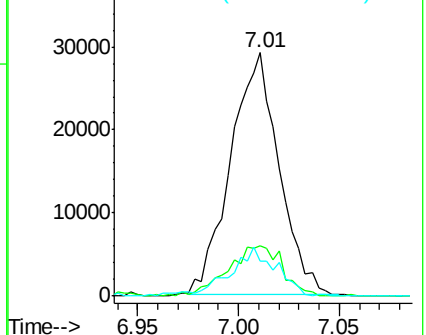
50 13.8 14.2 21.2#

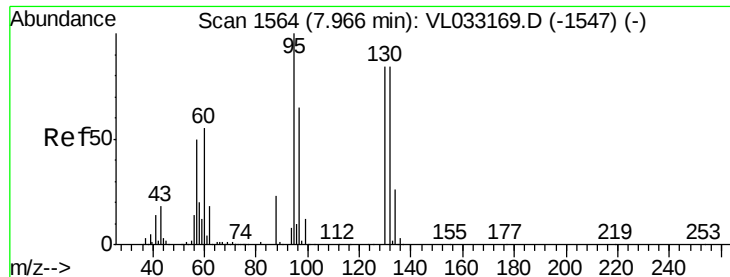


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 1.012 ppbv m

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

ZONE-CDUP

Tot Ion:130 Resp: 81994

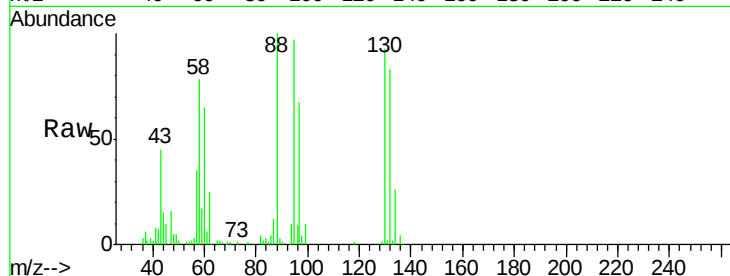
Ion Ratio Lower Upper

130 100

95 104.3 95.5 143.3

132 89.2 80.0 120.0

97 72.0 62.2 93.2

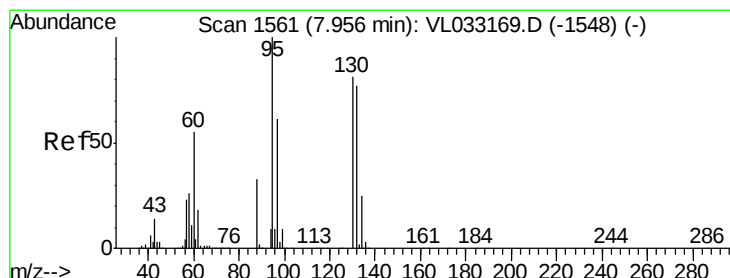
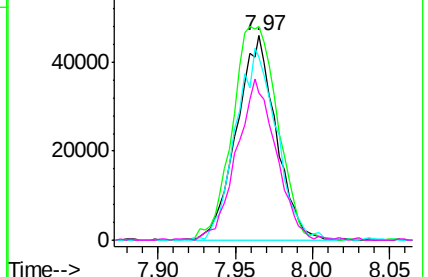
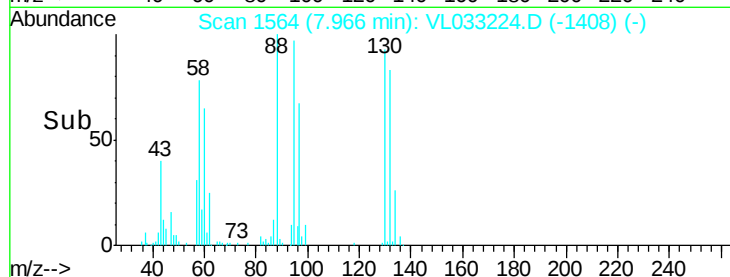


Abundance Ion 130.00 (129.70 to 130.70): V

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



#40

1,4-Dioxane

Concen: 4.595 ppbv m

RT: 7.97 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 88 Resp: 124768

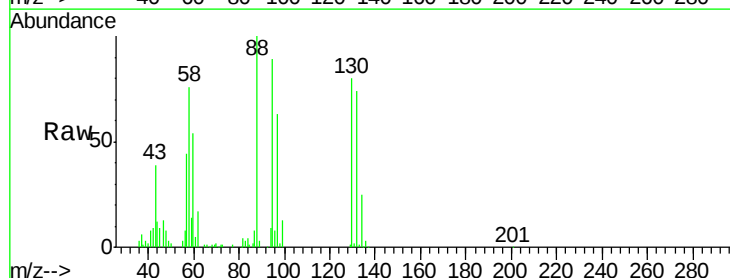
Ion Ratio Lower Upper

88 100

58 86.5 106.6 160.0#

43 55.8 220.2 330.2#

57 0.0 992.6 1489.0#

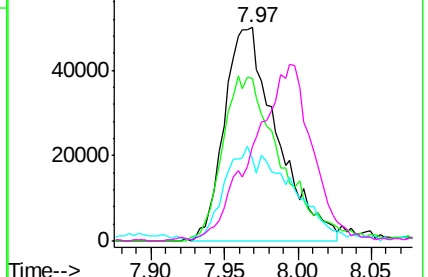
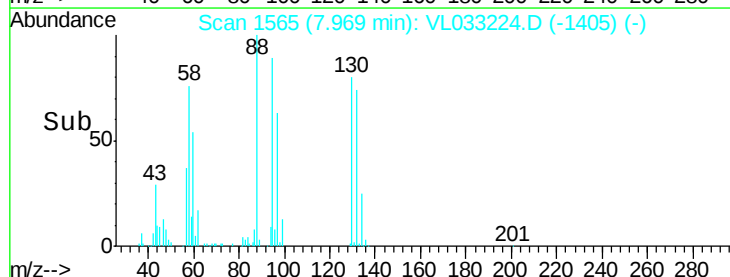


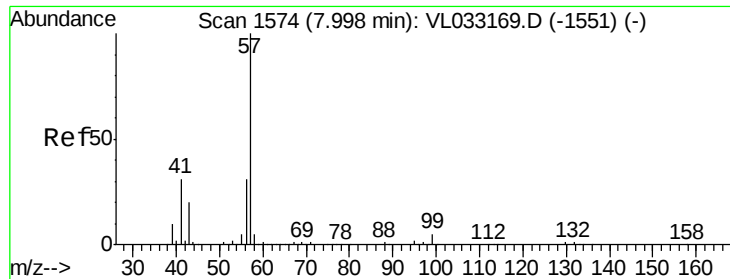
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.299 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

ZONE-CDUP

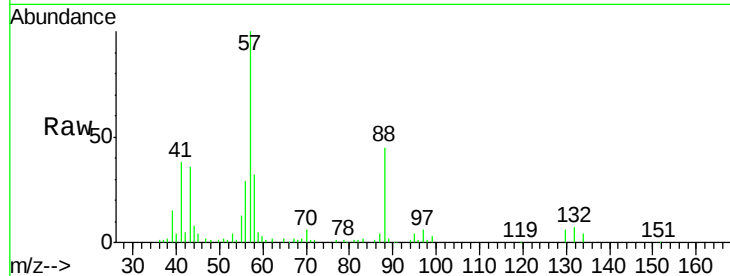
Tot Ion: 57 Resp: 95874

Ion Ratio Lower Upper

57 100

41 39.0 25.1 37.7#

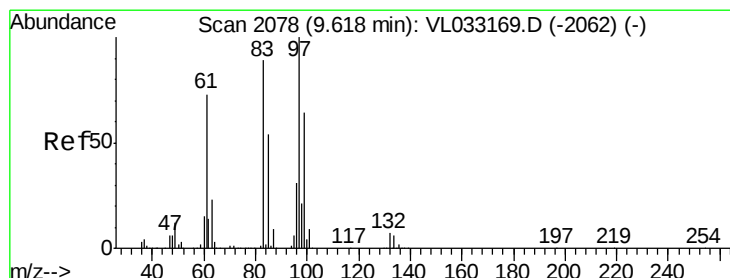
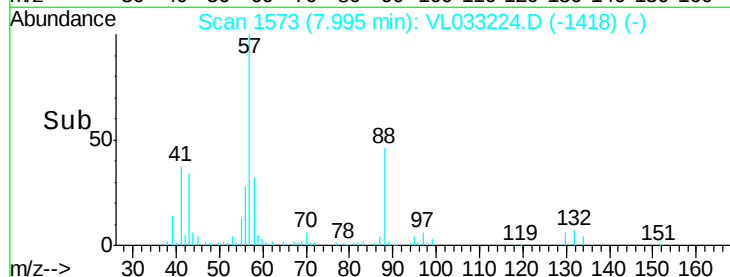
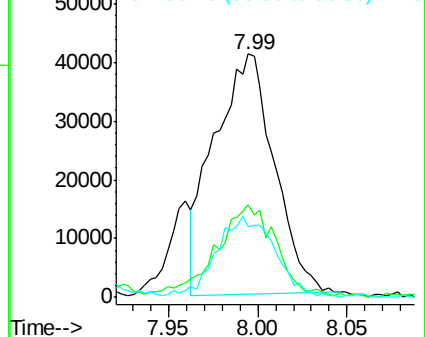
56 33.3 24.5 36.7



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



#47

1,1,2-Trichloroethane

Concen: 0.113 ppbv

RT: 9.62 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 97 Resp: 8724

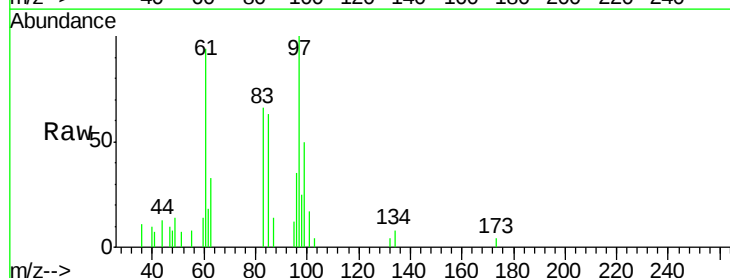
Ion Ratio Lower Upper

97 100

83 52.6 71.4 107.2#

85 45.0 43.5 65.3

99 36.3 51.4 77.0#

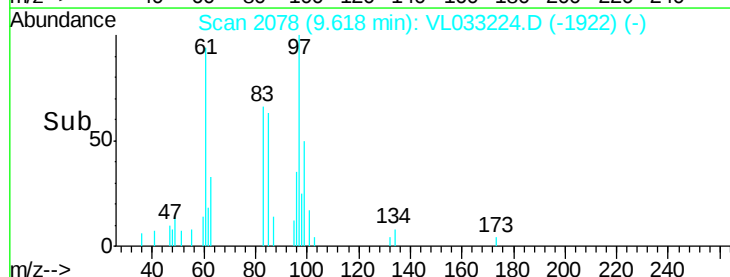
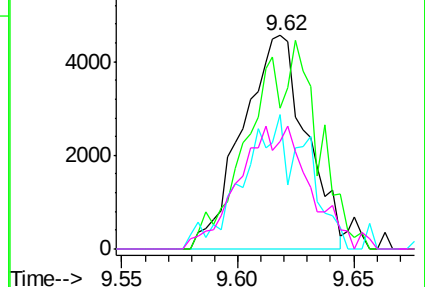


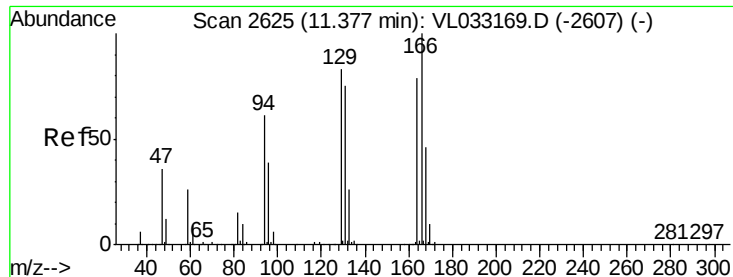
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#52

Tetrachloroethene

Concen: 0.885 ppbv m

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

ZONE-CDUP

Tot Ion:164 Resp: 64348

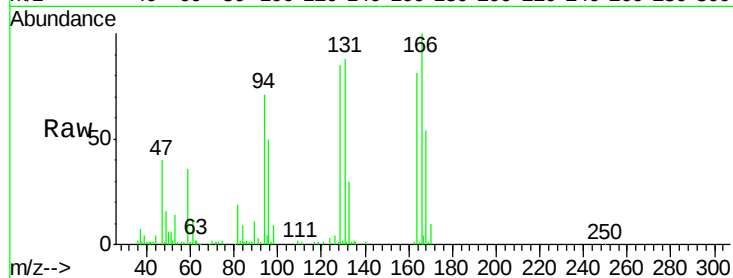
Ion Ratio Lower Upper

164 100

166 123.3 100.9 151.3

129 104.3 83.9 125.9

131 108.5 76.2 114.2

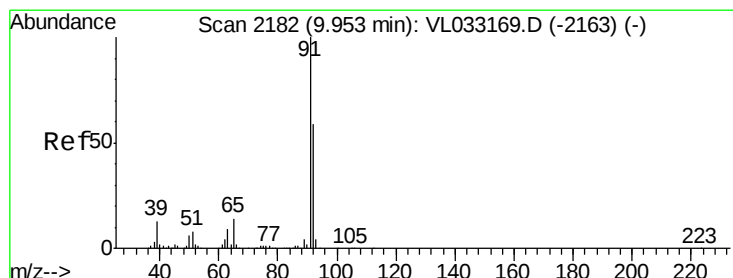
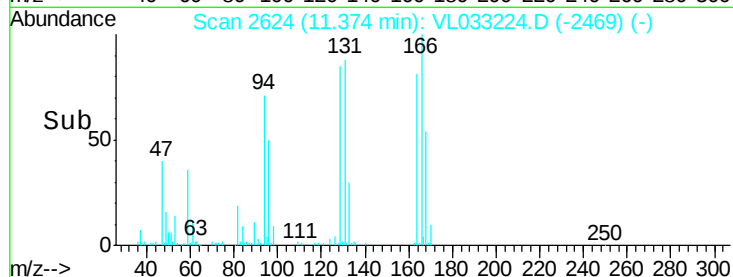
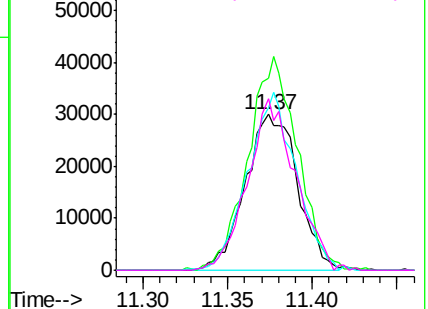


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.851 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033224.D

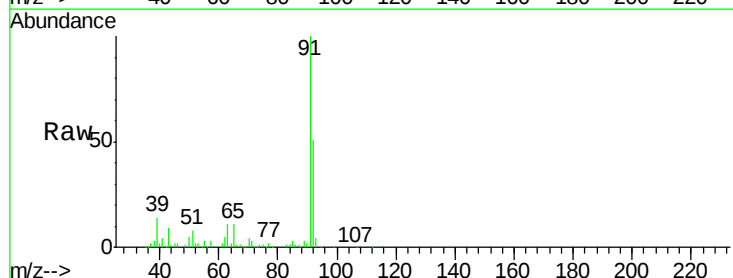
Acq: 15 Feb 2019 9:48

Tgt Ion: 91 Resp: 190579

Ion Ratio Lower Upper

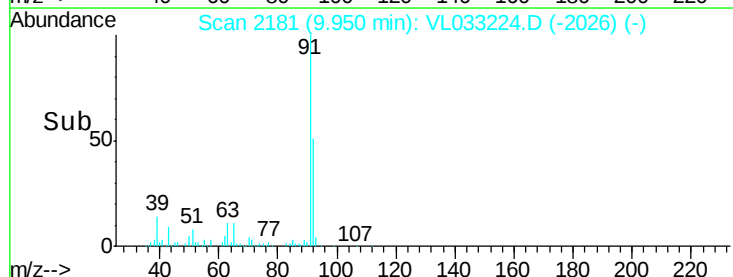
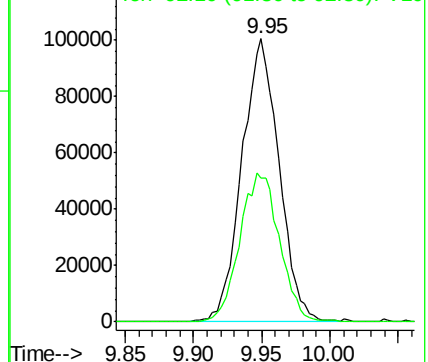
91 100

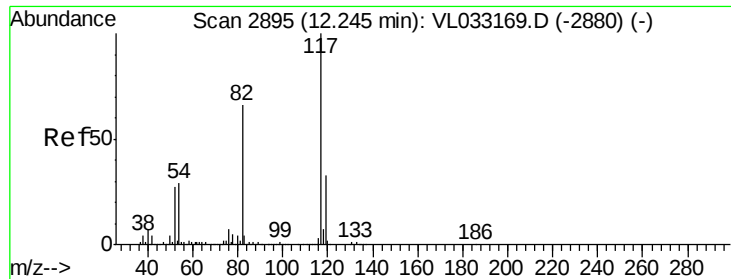
92 56.1 48.0 72.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

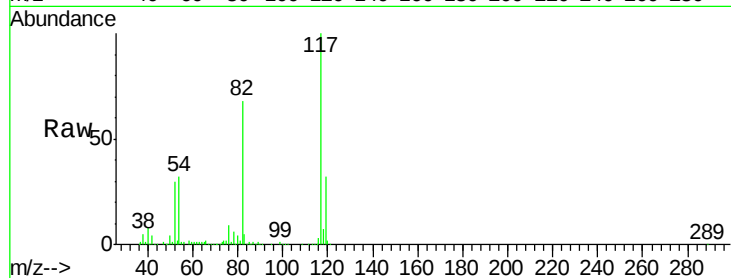




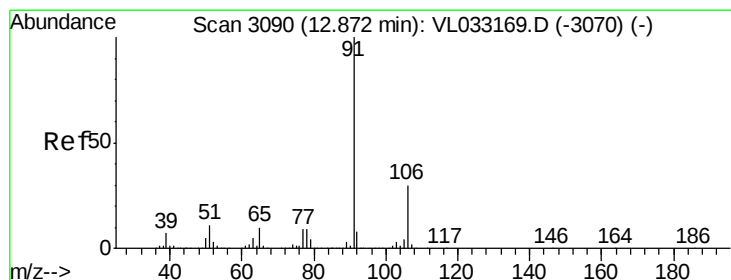
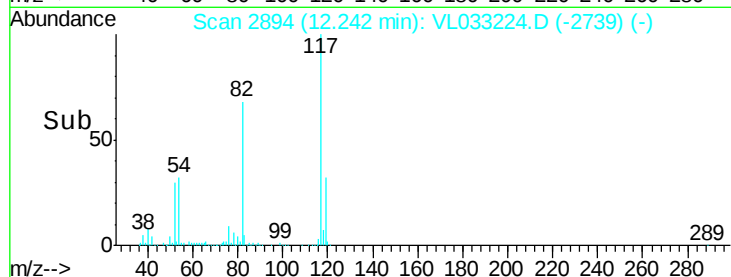
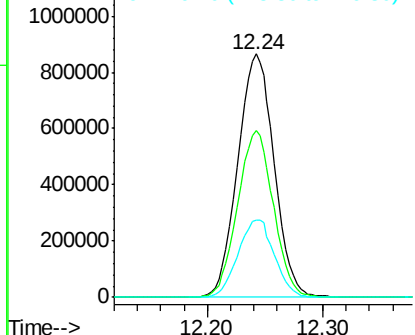
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Instrument :
MSVOA_L
ClientSampleId :
ZONE-CDUP

Tot Ion:117 Resp: 1882036
Ion Ratio Lower Upper
117 100
82 67.7 49.5 74.3
119 32.1 24.4 36.6

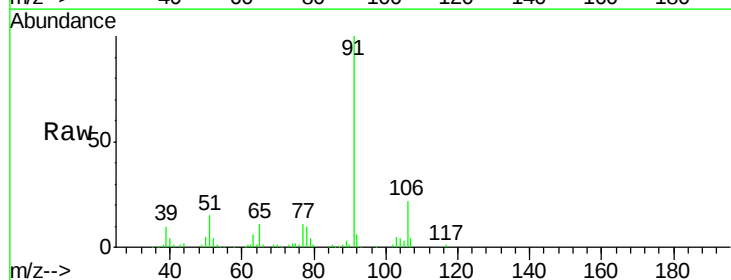


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

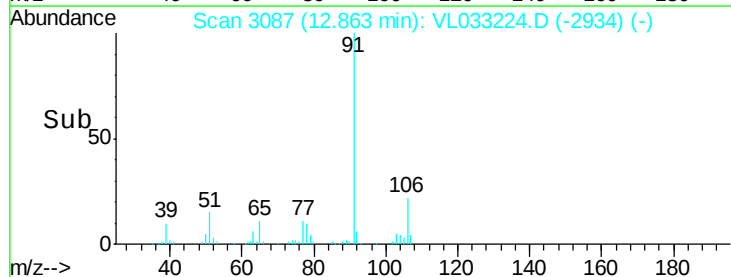
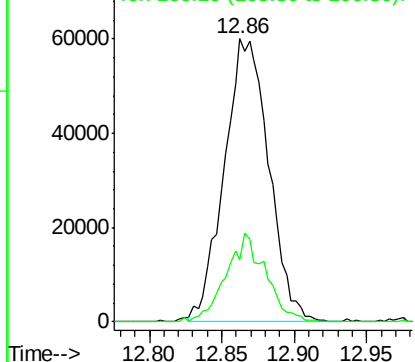


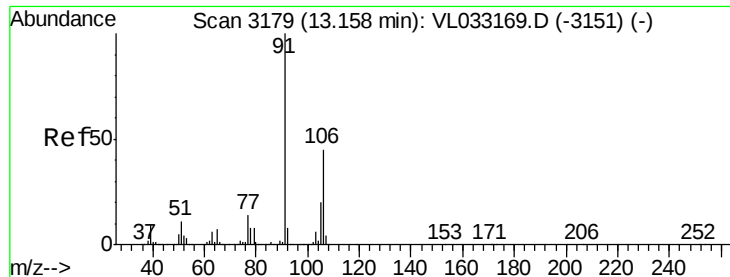
#58
Ethyl Benzene
Concen: 0.422 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion: 91 Resp: 128405
Ion Ratio Lower Upper
91 100
106 21.9 23.8 35.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.354 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.04 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Instrument :

MSVOA_L

ClientSampleId :

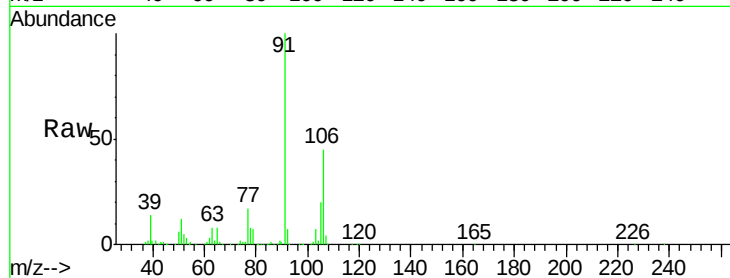
ZONE-CDUP

Tot Ion: 91 Resp: 598307

Ion Ratio Lower Upper

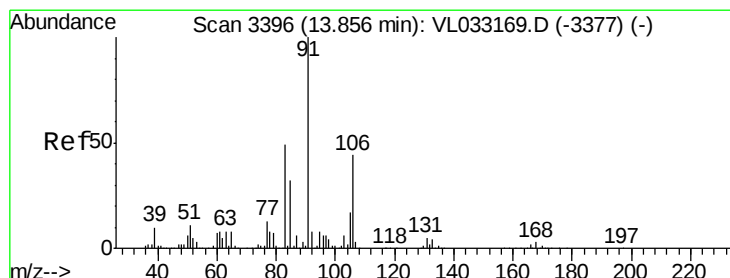
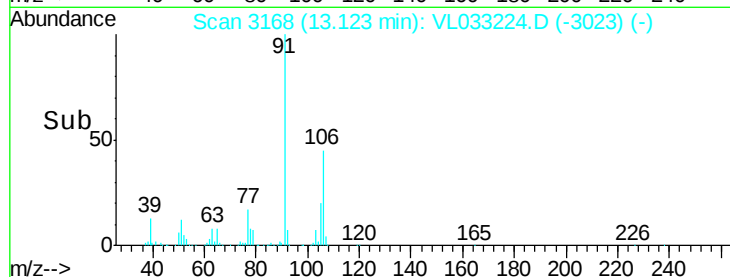
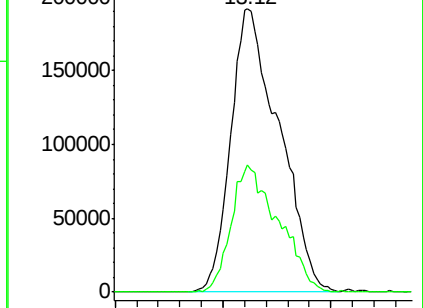
91 100

106 43.8 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.629 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL033224.D

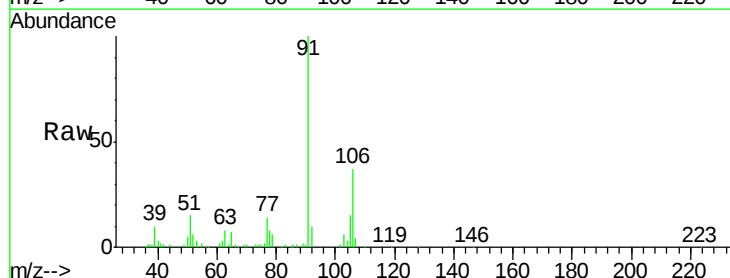
Acq: 15 Feb 2019 9:48

Tgt Ion: 91 Resp: 155444

Ion Ratio Lower Upper

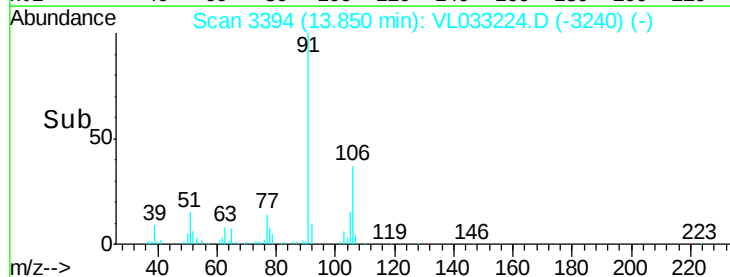
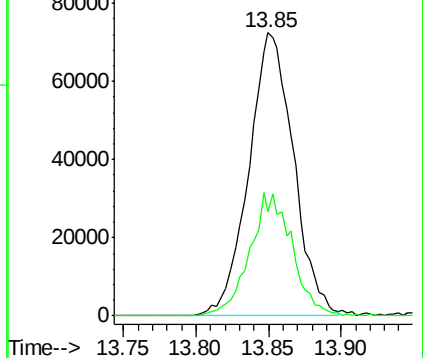
91 100

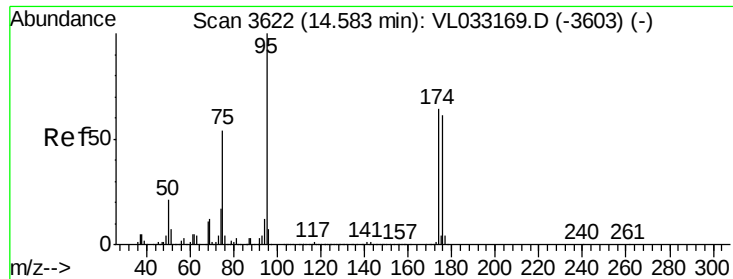
106 41.0 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

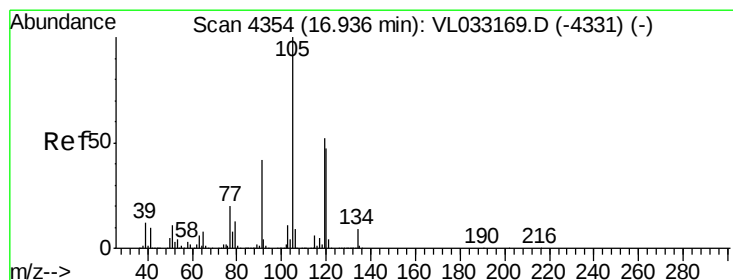
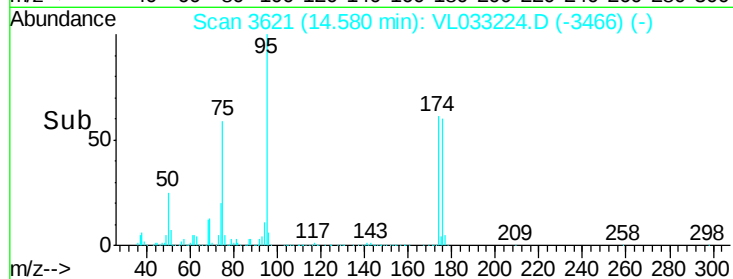
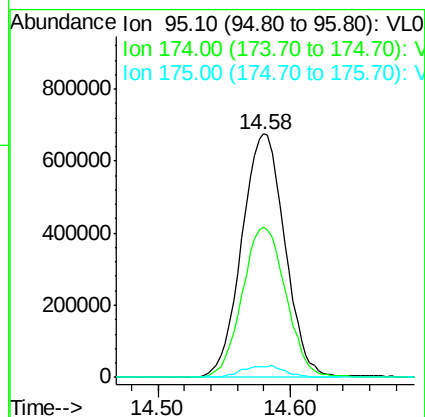
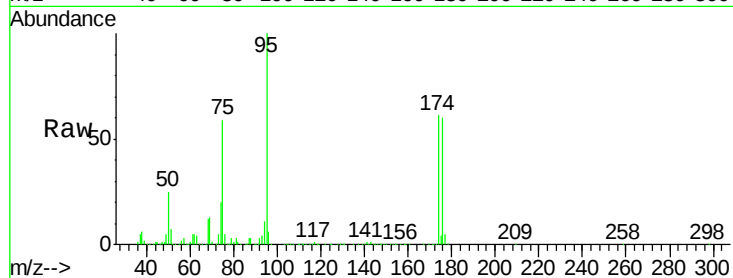




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.520 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-CDUP

Tot Ion: 95 Resp: 1524878
 Ion Ratio Lower Upper
 95 100
 174 63.0 51.2 76.8
 175 4.7 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.339 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion: 105 Resp: 95857
 Ion Ratio Lower Upper
 105 100
 120 34.6 37.9 56.9#
 91 12.0 34.0 51.0#
 77 12.8 15.7 23.5#

