

Data File : VL032995.D

Acq On : 14 Dec 2018 10:21

Operator : SY/AP

Sample : J6382-06

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

Quant Time: Dec 14 10:58:14 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018

QLast Update : Fri Dec 07 09:35:17 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1109017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2566699	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2930924	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2277904	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds

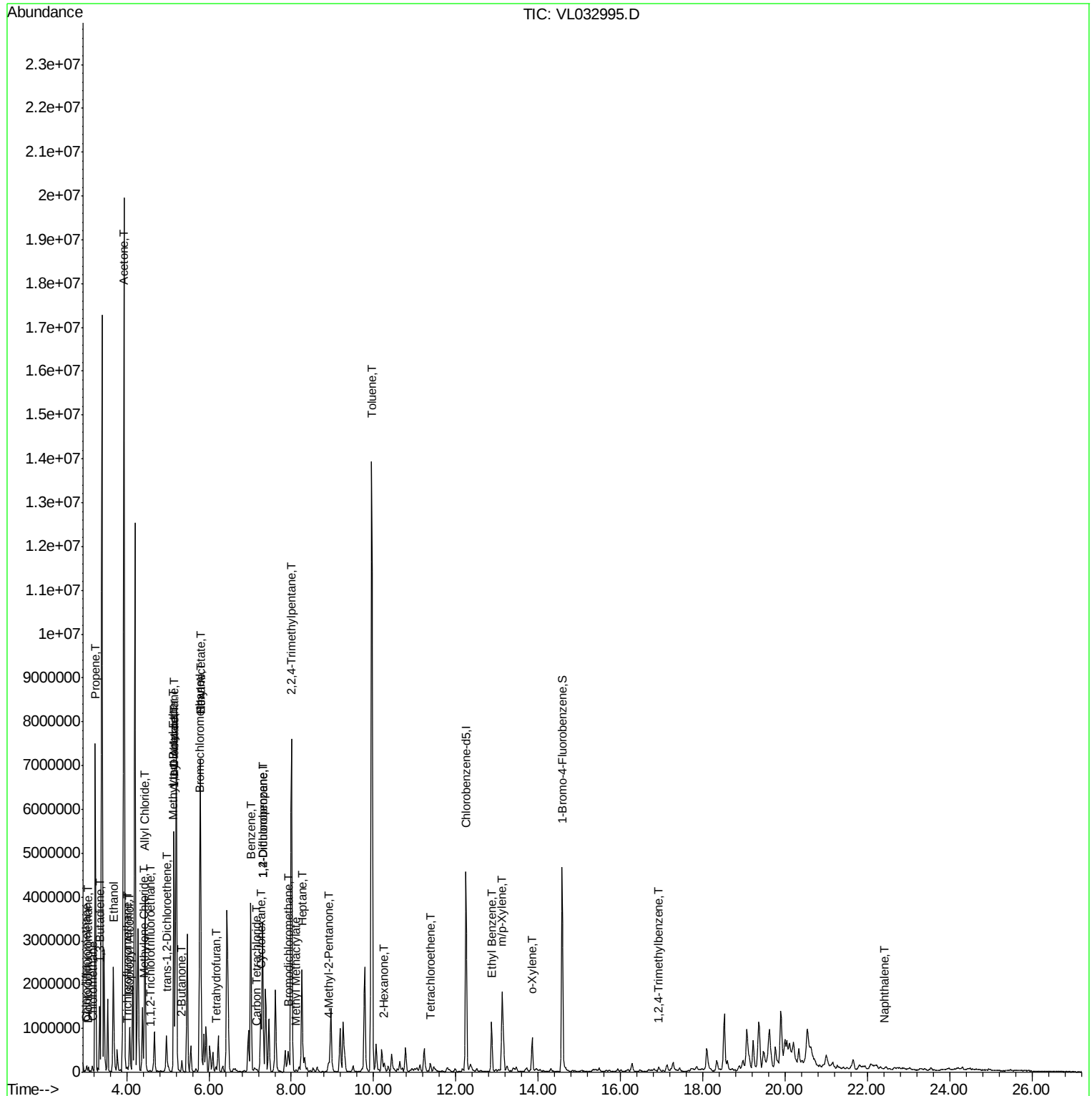
						Qvalue
2) Dichlorodifluoromethane	3.07	85	86297	0.583	ppbv	100
3) Chlorodifluoromethane	3.01	51	43025	0.512	ppbv #	87
4) Chloromethane	3.17	50	99649	2.038	ppbv	97
9) Propene	3.24	41	2308206	69.502	ppbv	94
10) Heptane	8.26	43	965315	7.738	ppbv	99
11) Trichlorofluoromethane	4.01	101	40222	0.288	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.56	101	6630	0.056	ppbv	95
13) Ethanol	3.68	45	2746761	240.212	ppbv	95
15) Acetone	3.93	43	8803029	92.478	ppbv #	65
16) 1,3-Butadiene	3.35	39	447424	11.847	ppbv #	21
19) Isopropyl Alcohol	4.06	45	138048	2.309	ppbv #	6
20) Methylene Chloride	4.42	84	145166	3.120	ppbv	98
21) Allyl Chloride	4.44	41	687252	8.859	ppbv #	60
22) trans-1,2-Dichloroethene	4.98	96	105481	1.824	ppbv	97
23) Vinyl Acetate	5.15	43	2312470	14.348	ppbv #	1
24) 1,1-Dichloroethane	5.15	63	7709	0.055	ppbv #	94
25) Ethyl Acetate	5.79	43	1936687	8.613	ppbv #	79
26) Hexane	5.80	57	2698612	25.994	ppbv #	45
28) Methyl tert-Butyl Ether	5.13	73	8284	0.053	ppbv #	54
30) Cyclohexane	7.26	84	477049	5.544	ppbv	97
34) 2-Butanone	5.34	43	272902	2.441	ppbv	100
35) Carbon Tetrachloride	7.15	117	14166	0.070	ppbv #	88
36) Benzene	7.01	78	3156392	16.719	ppbv	98
39) 1,2-Dichloropropane	7.30	63	602505	8.415	ppbv #	21
41) Tetrahydrofuran	6.17	42	49725	0.715	ppbv	99
42) Bromodichloromethane	7.93	83	53395	0.300	ppbv #	25
43) Methyl Methacrylate	8.12	69	4956	0.071	ppbv #	1
44) 2,2,4-Trimethylpentane	8.00	57	7395792	23.079	ppbv	96
50) 4-Methyl-2-Pentanone	8.90	43	91312	0.511	ppbv	96
51) 2-Hexanone	10.26	43	39915	0.329	ppbv #	37
52) Tetrachloroethene	11.38	164	25643	0.373	ppbv	91
53) Toluene	9.96	91	10343786	51.662	ppbv	96
58) Ethyl Benzene	12.87	91	984259	3.148	ppbv	99
59) m/p-Xylene	13.12	91	1872679	6.606	ppbv #	100
60) o-Xylene	13.85	91	568578	1.986	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	24333	0.069	ppbv #	77
79) Naphthalene	22.41	128	8619	0.038	ppbv #	76

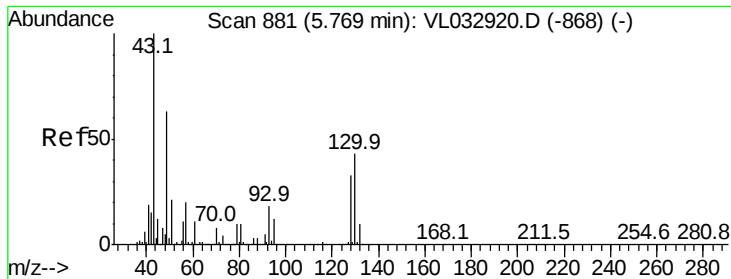
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

P0068-SG001-181212-01

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL032995.D

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Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

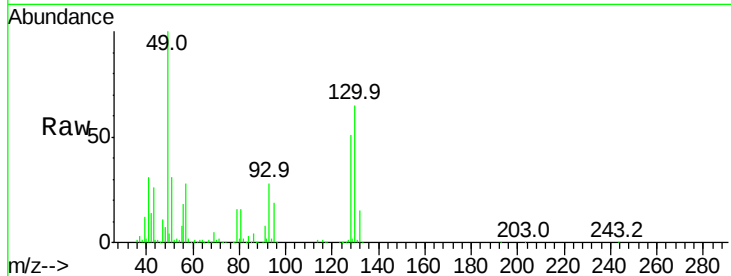
Tgt Ion: 49 Resp: 1109017

Ion Ratio Lower Upper

49 100

128 51.4 26.3 78.8

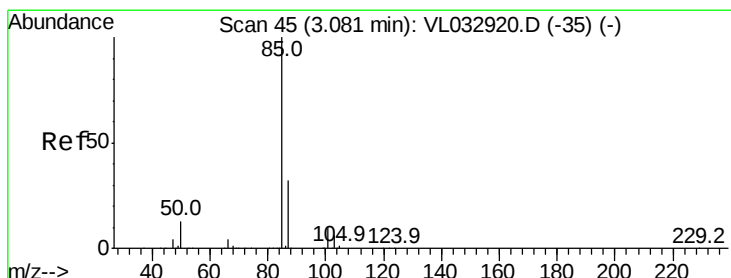
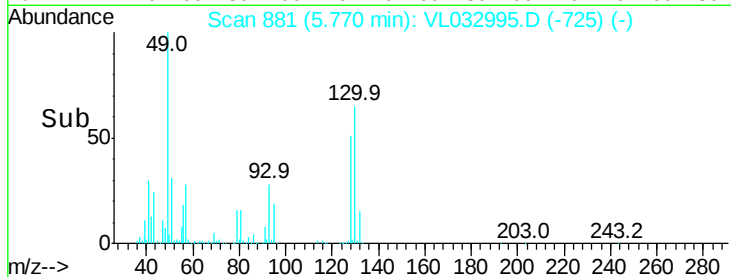
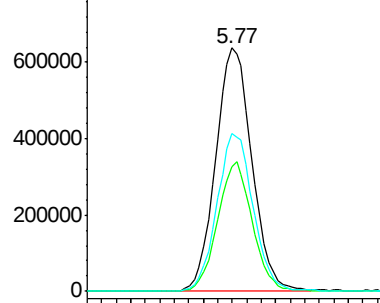
130 65.1 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.583 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.01 min

Lab File: VL032995.D

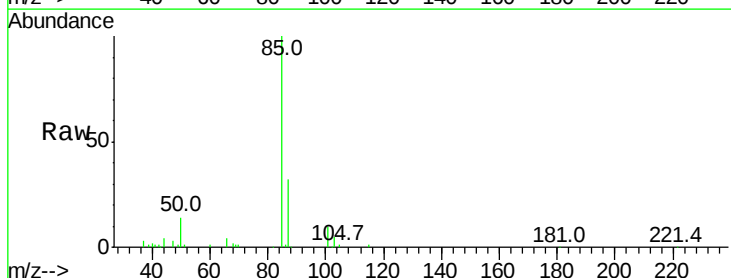
Acq: 14 Dec 2018 10:21

Tgt Ion: 85 Resp: 86297

Ion Ratio Lower Upper

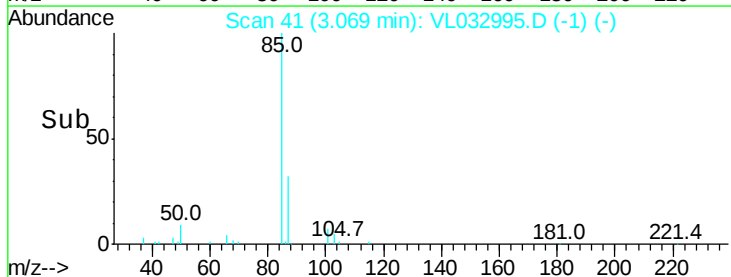
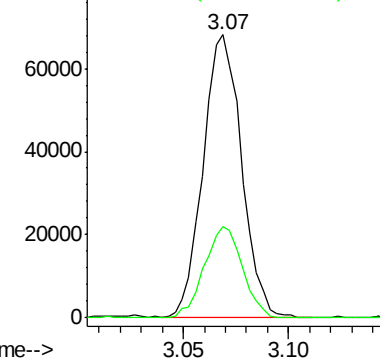
85 100

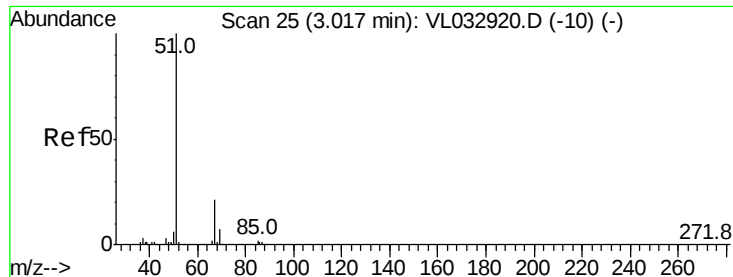
87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.512 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

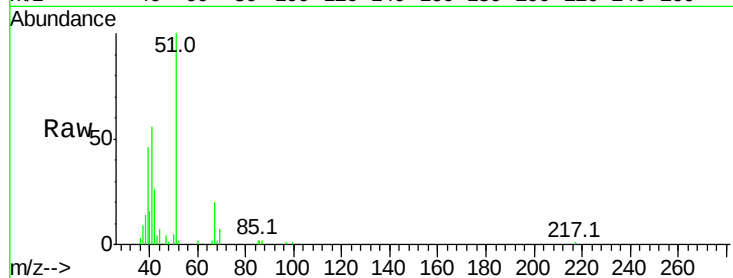
P0068-SG001-181212-01

Tgt Ion: 51 Resp: 43025

Ion Ratio Lower Upper

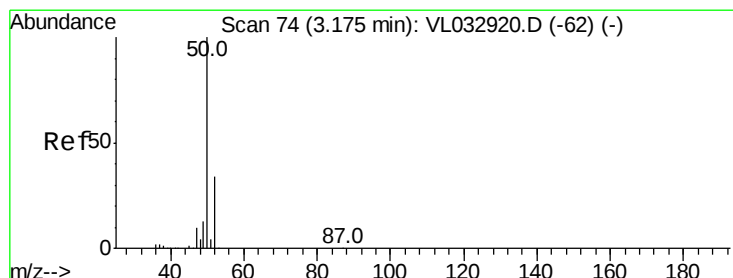
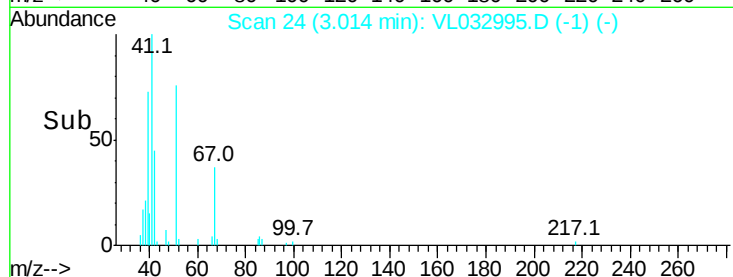
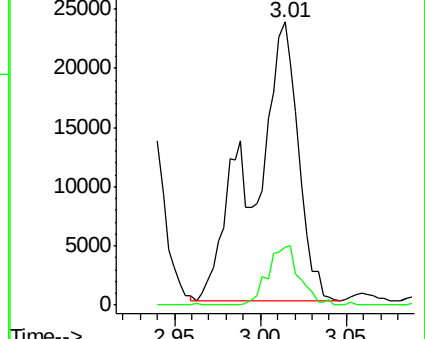
51 100

67 15.0 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.038 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032995.D

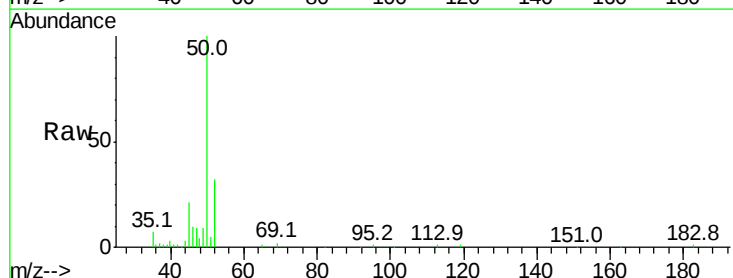
Acq: 14 Dec 2018 10:21

Tgt Ion: 50 Resp: 99649

Ion Ratio Lower Upper

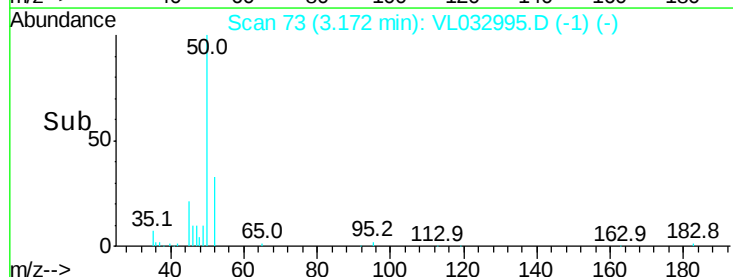
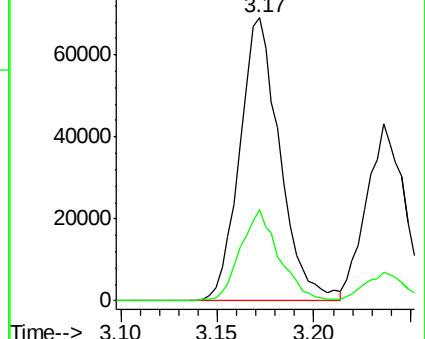
50 100

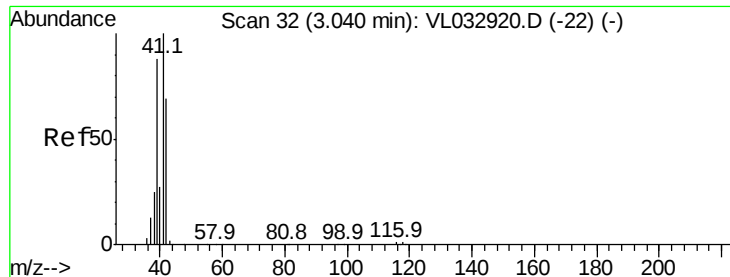
52 32.4 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 69.502 ppbv

RT: 3.24 min Scan# 93

Delta R.T. 0.20 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

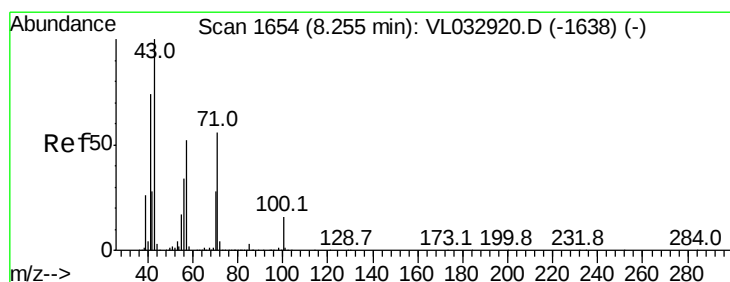
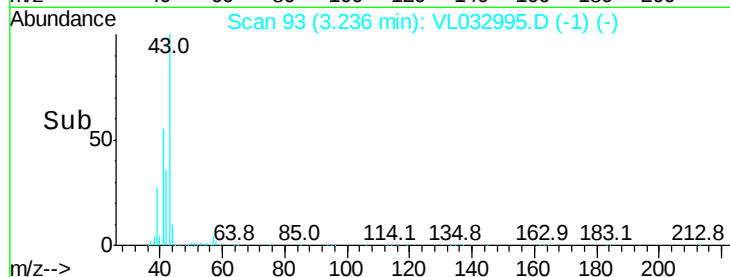
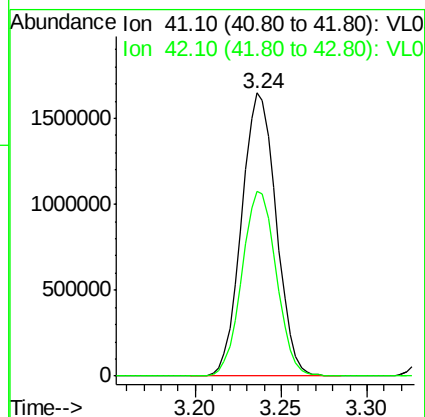
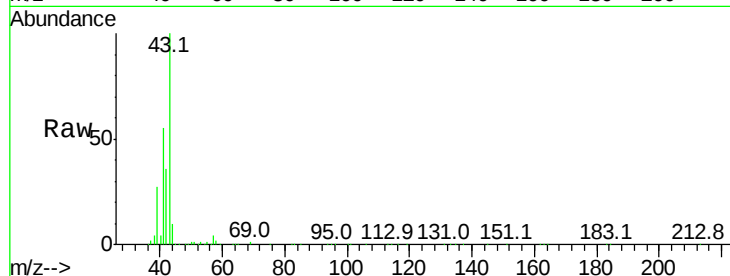
P0068-SG001-181212-01

Tgt Ion: 41 Resp: 2308206

Ion Ratio Lower Upper

41 100

42 65.0 56.2 84.2



#10

Heptane

Concen: 7.738 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032995.D

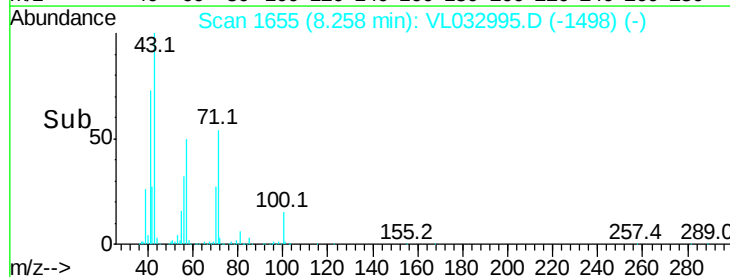
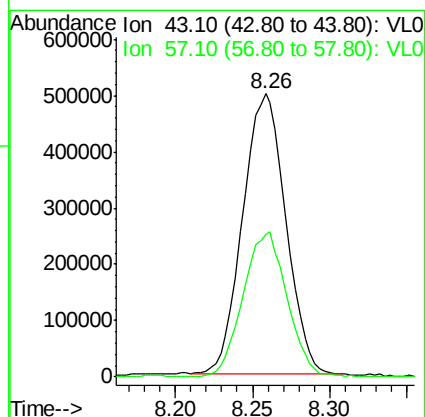
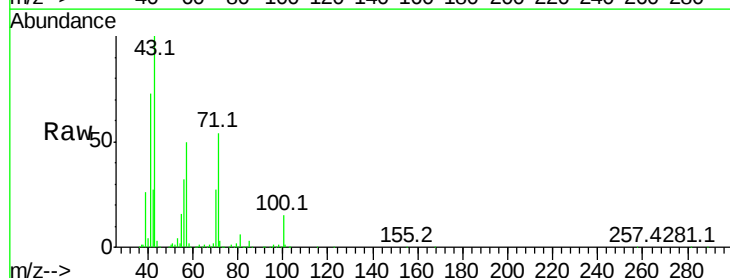
Acq: 14 Dec 2018 10:21

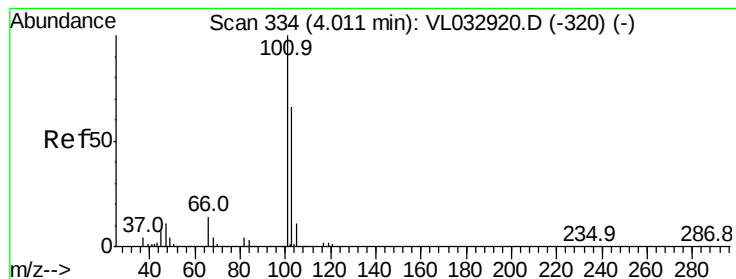
Tgt Ion: 43 Resp: 965315

Ion Ratio Lower Upper

43 100

57 52.9 41.8 62.6





#11

Trichlorofluoromethane

Concen: 0.288 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

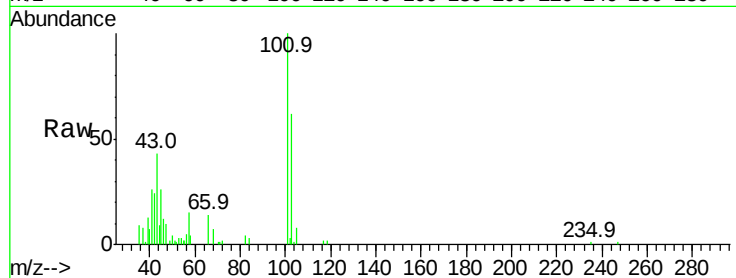
P0068-SG001-181212-01

Tgt Ion:101 Resp: 40222

Ion Ratio Lower Upper

101 100

103 62.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.01

30000

25000

20000

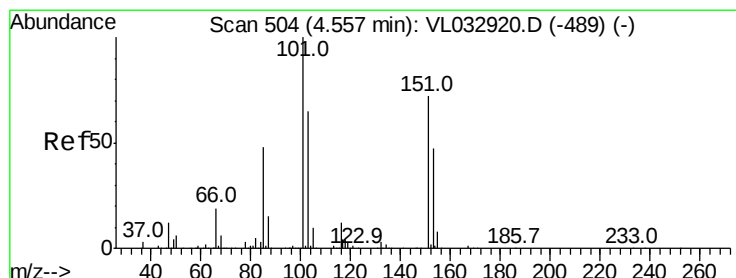
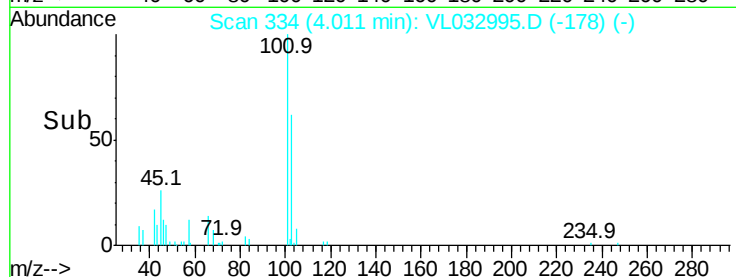
15000

10000

5000

0

Time--> 3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.056 ppbv

RT: 4.56 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL032995.D

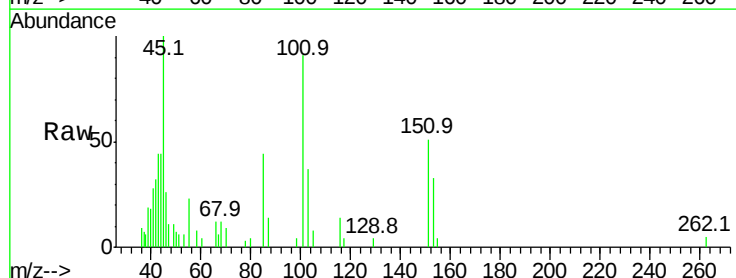
Acq: 14 Dec 2018 10:21

Tgt Ion:101 Resp: 6630

Ion Ratio Lower Upper

101 100

151 69.7 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.56

5000

4000

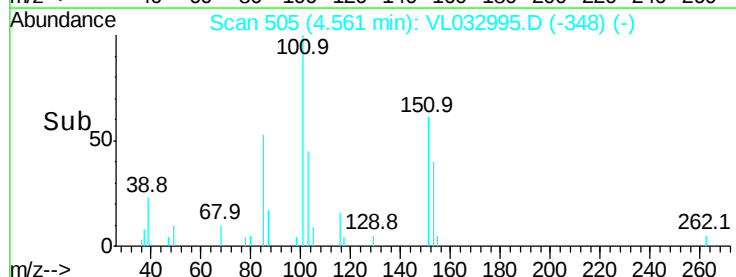
3000

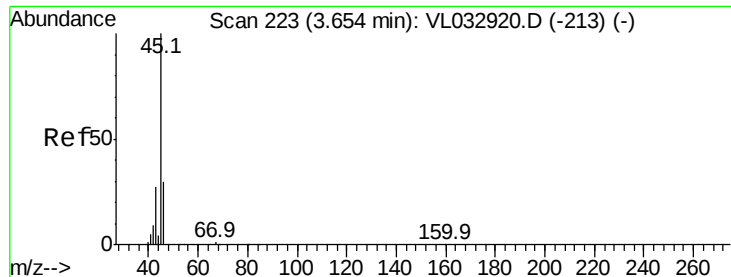
2000

1000

0

Time--> 4.54 4.56 4.58 4.60





#13

Ethanol

Concen: 240.212 ppbv

RT: 3.68 min Scan# 230

Delta R.T. 0.02 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

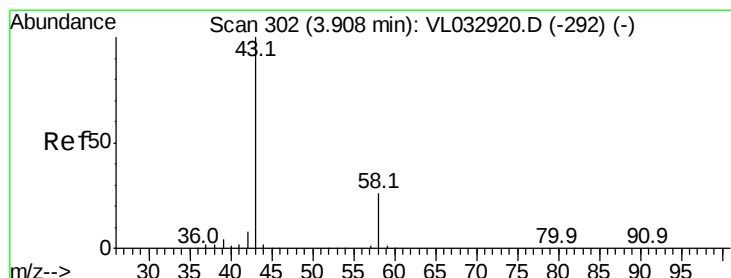
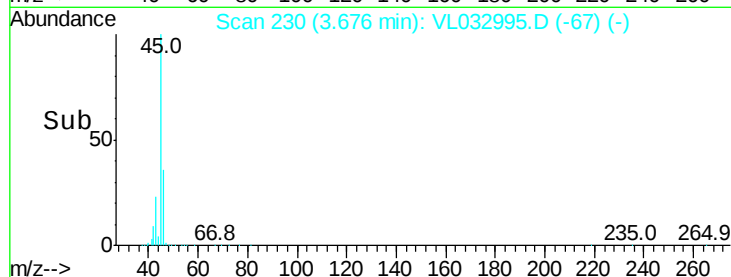
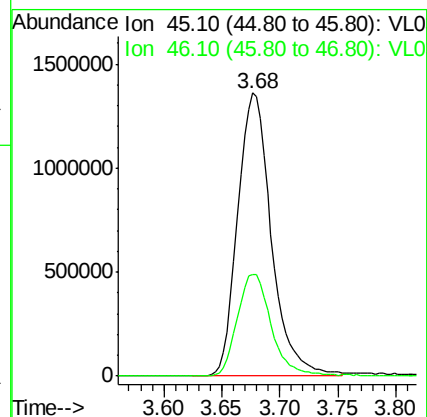
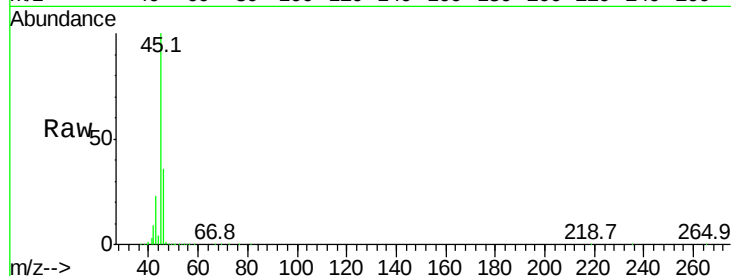
P0068-SG001-181212-01

Tgt Ion: 45 Resp: 2746761

Ion Ratio Lower Upper

45 100

46 37.3 13.8 55.4



#15

Acetone

Concen: 92.478 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.03 min

Lab File: VL032995.D

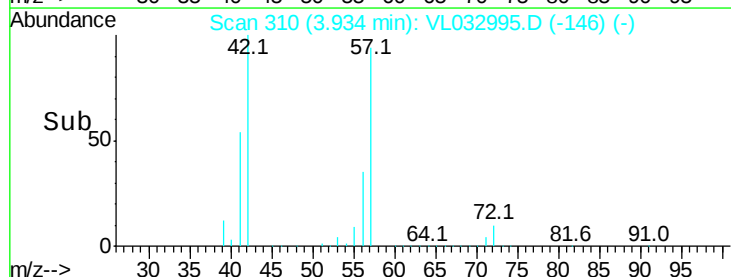
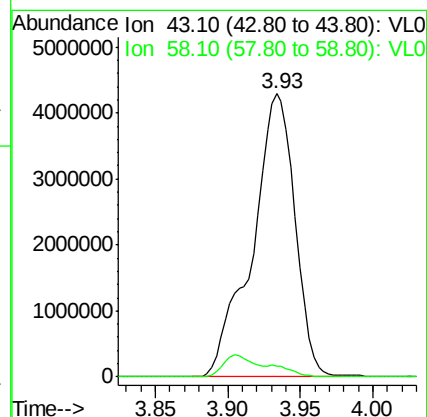
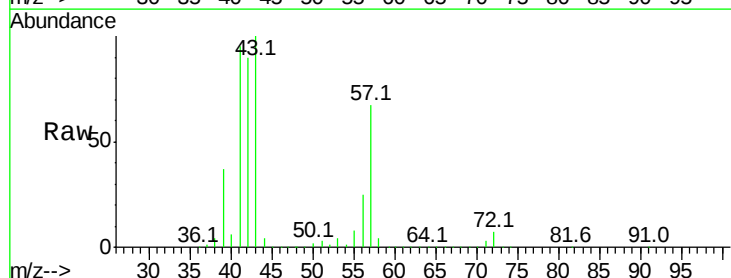
Acq: 14 Dec 2018 10:21

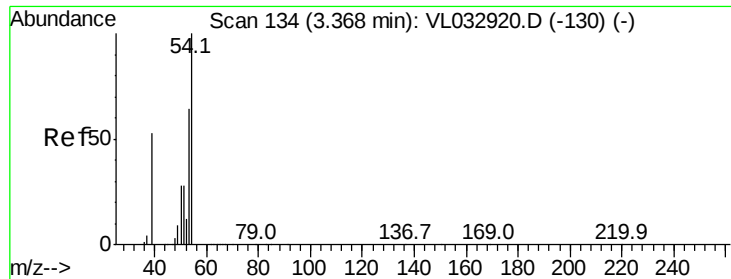
Tgt Ion: 43 Resp: 8803029

Ion Ratio Lower Upper

43 100

58 8.1 20.6 30.8#

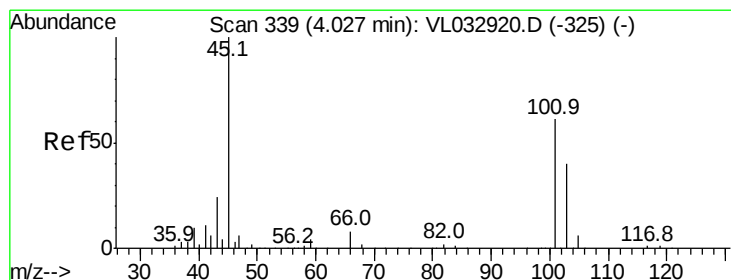
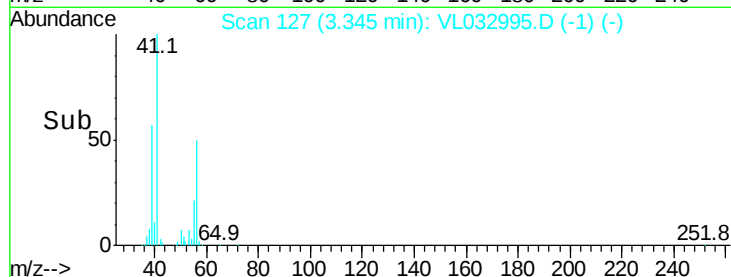
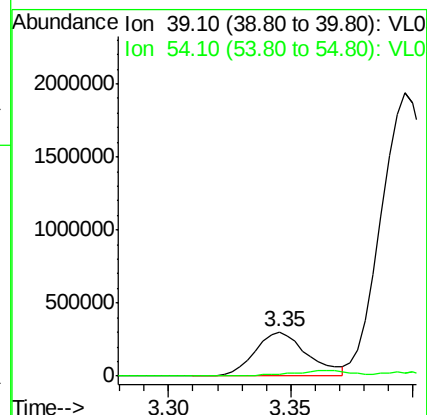
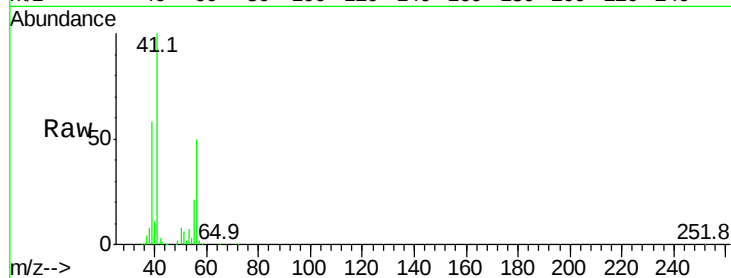




#16
 1,3-Butadiene
 Concen: 11.847 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

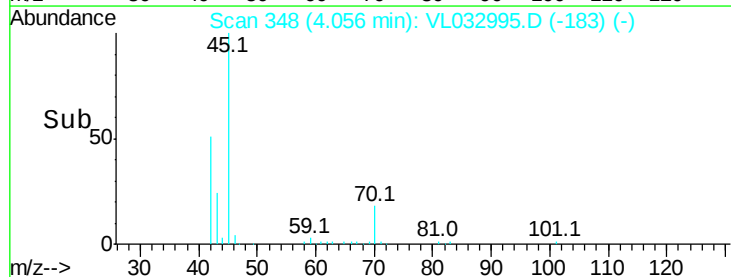
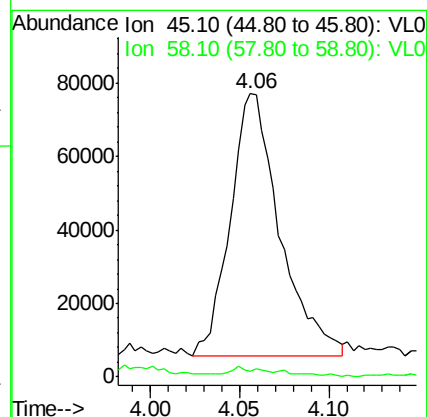
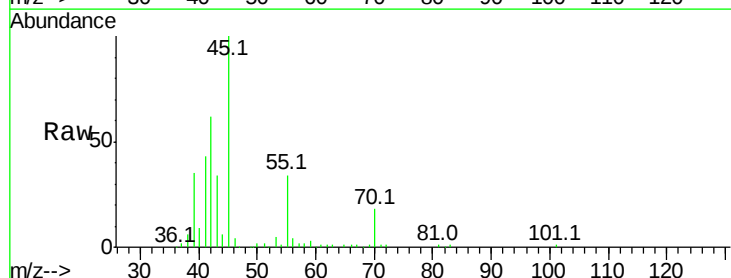
Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-SG001-181212-01

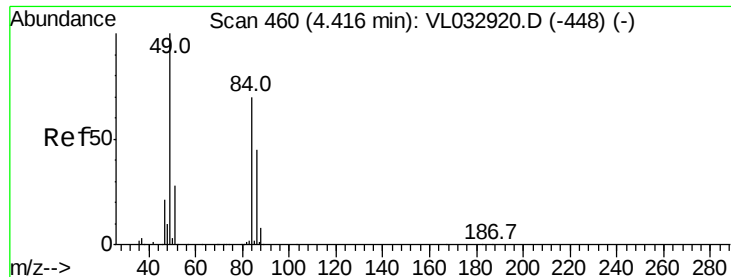
Tgt Ion: 39 Resp: 447424
 Ion Ratio Lower Upper
 39 100
 54 16.1 72.7 109.1#



#19
 Isopropyl Alcohol
 Concen: 2.309 ppbv
 RT: 4.06 min Scan# 348
 Delta R.T. 0.03 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

Tgt Ion: 45 Resp: 138048
 Ion Ratio Lower Upper
 45 100
 58 36.0 1.4 2.2#





#20

Methylene Chloride

Concen: 3.120 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

Tgt Ion: 84 Resp: 145166

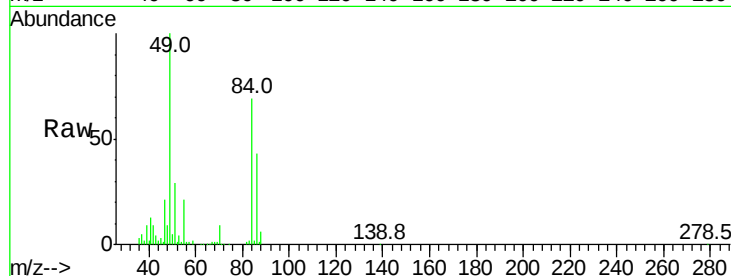
Ion Ratio Lower Upper

84 100

49 143.7 113.8 170.8

51 33.9 31.8 47.8

86 63.2 50.8 76.2

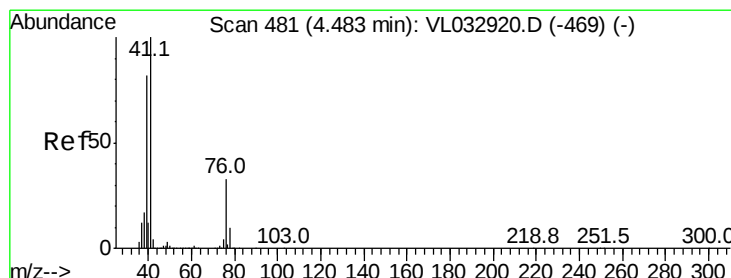
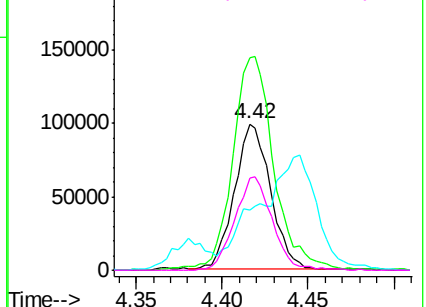
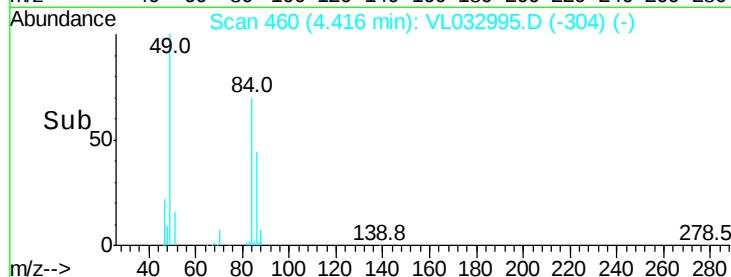


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 8.859 ppbv

RT: 4.44 min Scan# 468

Delta R.T. -0.04 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

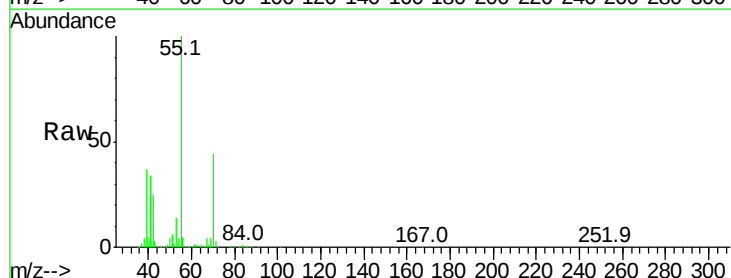
Tgt Ion: 41 Resp: 687252

Ion Ratio Lower Upper

41 100

76 0.0 25.2 37.8#

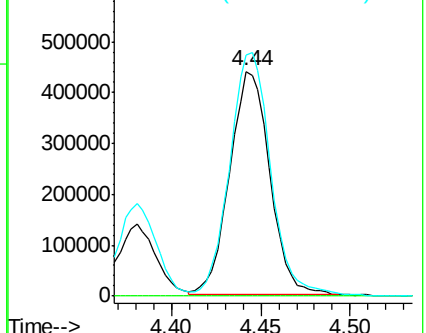
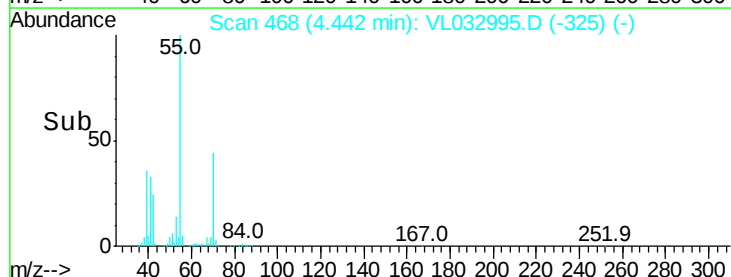
39 111.7 65.2 97.8#

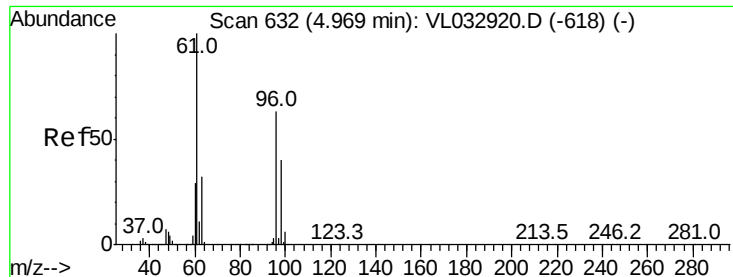


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 1.824 ppbv

RT: 4.98 min Scan# 634

Delta R.T. 0.01 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

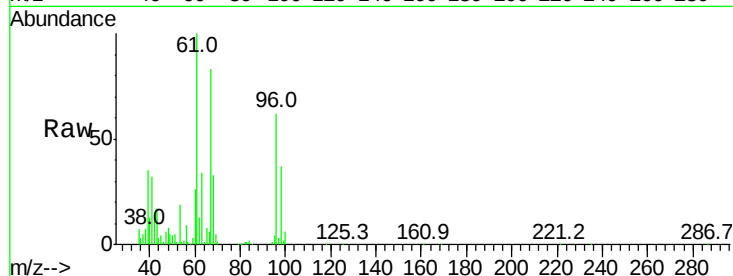
Tgt Ion: 96 Resp: 105481

Ion Ratio Lower Upper

96 100

61 160.7 127.1 190.7

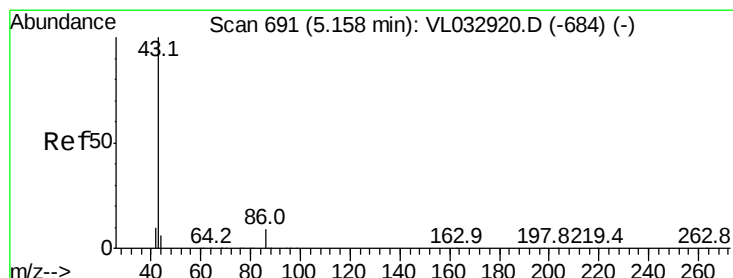
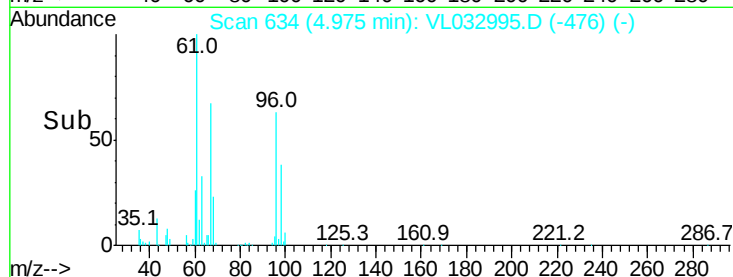
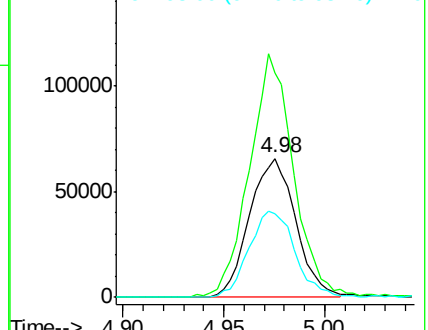
98 59.7 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 14.348 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Tgt Ion: 43 Resp: 2312470

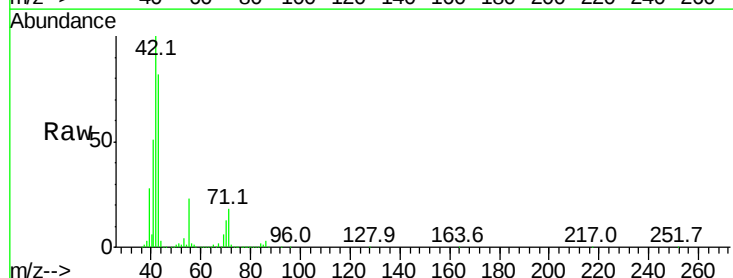
Ion Ratio Lower Upper

43 100

86 3.7 6.6 9.8#

42 121.7 8.3 12.5#

44 3.3 4.2 6.4#

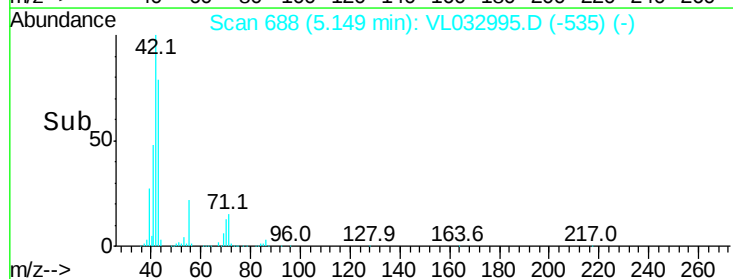
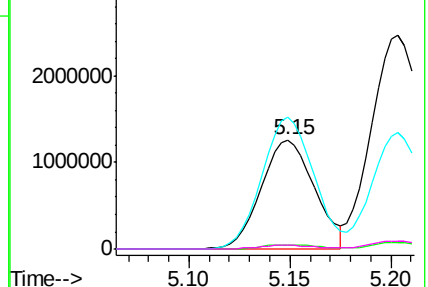


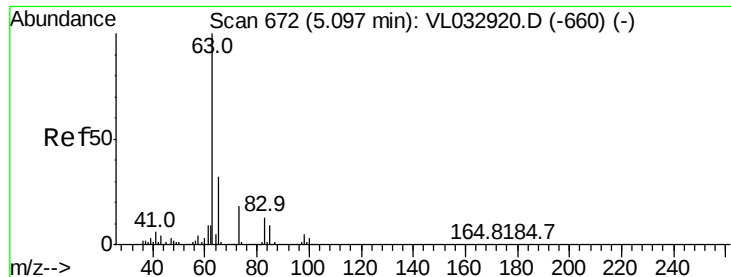
Abundance Ion 43.10 (42.80 to 43.80): VL0

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





#24

1,1-Dichloroethane

Concen: 0.055 ppbv

RT: 5.15 min Scan# 687

Delta R.T. 0.05 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

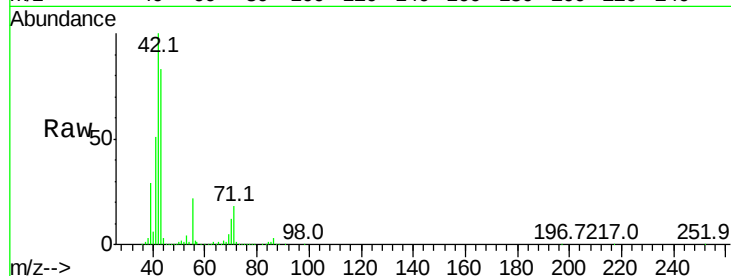
Tgt Ion: 63 Resp: 7709

Ion Ratio Lower Upper

63 100

98 3.4 2.5 7.5

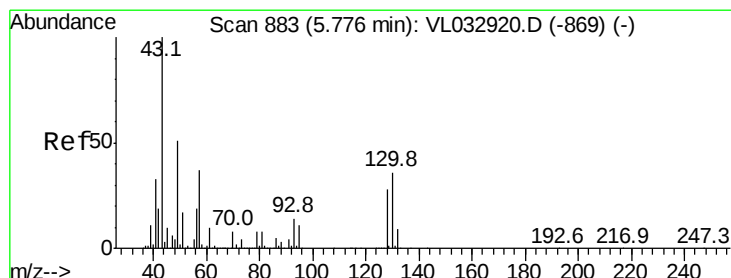
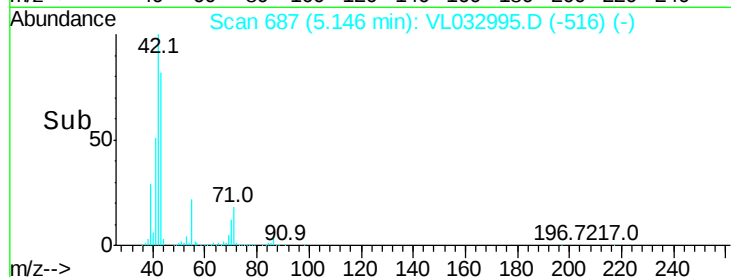
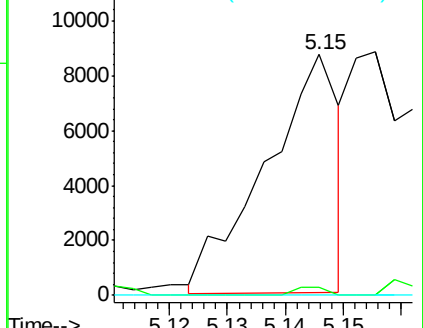
100 0.0 1.4 4.2#



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



#25

Ethyl Acetate

Concen: 8.613 ppbv

RT: 5.79 min Scan# 888

Delta R.T. 0.02 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Tgt Ion: 43 Resp: 1936687

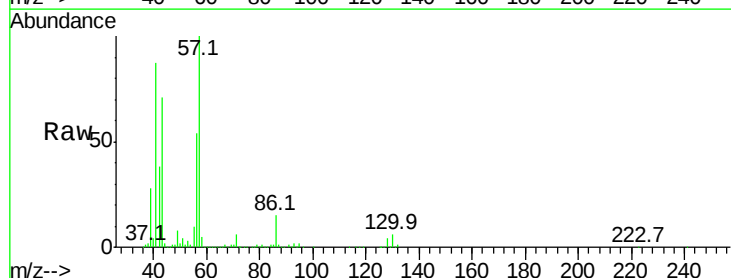
Ion Ratio Lower Upper

43 100

45 1.0 7.8 11.6#

61 0.8 7.4 11.2#

70 2.2 5.7 8.5#

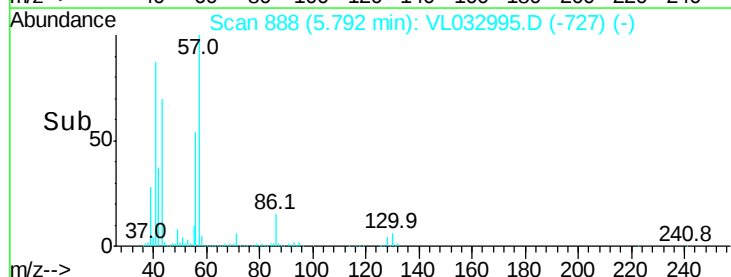
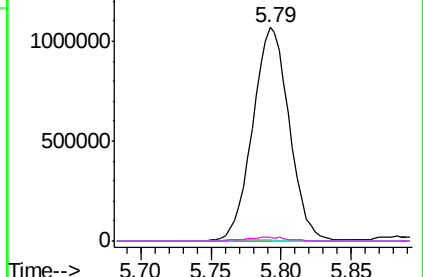


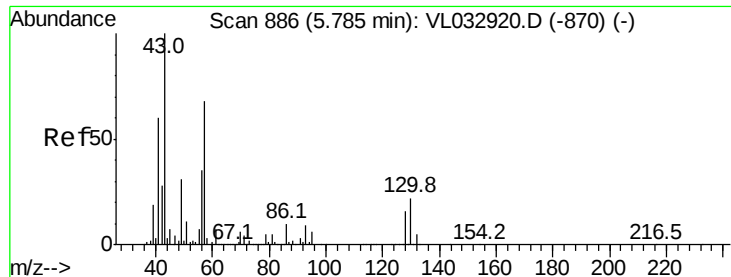
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 25.994 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.01 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

Tgt Ion: 57 Resp: 2698612

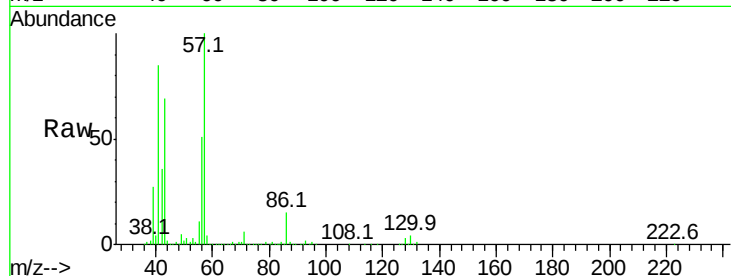
Ion Ratio Lower Upper

57 100

41 91.9 72.2 108.2

43 71.9 171.9 257.9#

56 54.3 42.2 63.2

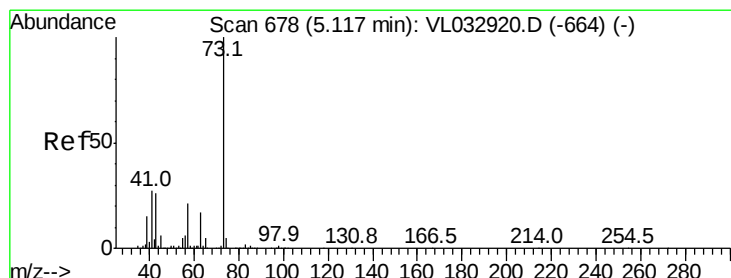
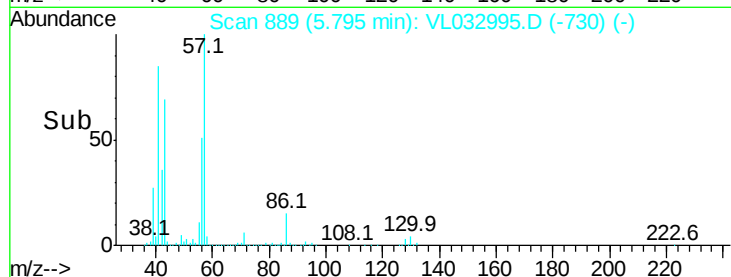
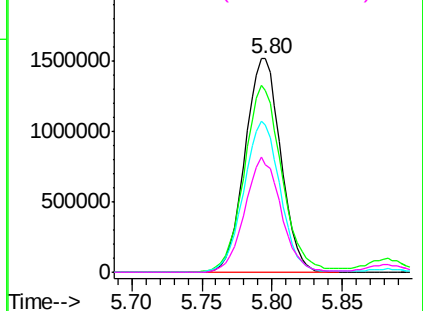


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#28

Methyl tert-Butyl Ether

Concen: 0.053 ppbv

RT: 5.13 min Scan# 683

Delta R.T. 0.02 min

Lab File: VL032995.D

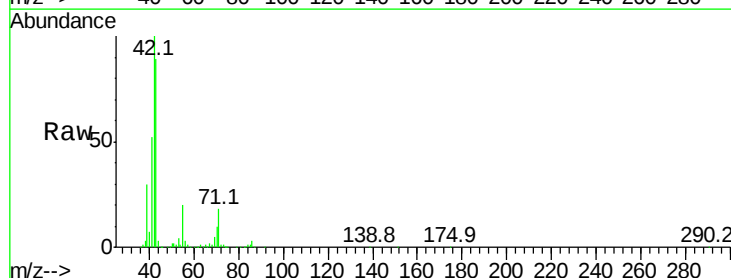
Acq: 14 Dec 2018 10:21

Tgt Ion: 73 Resp: 8284

Ion Ratio Lower Upper

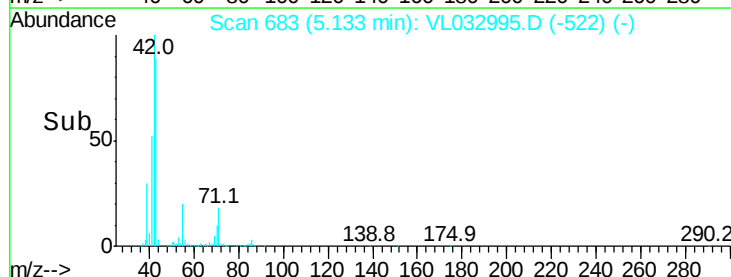
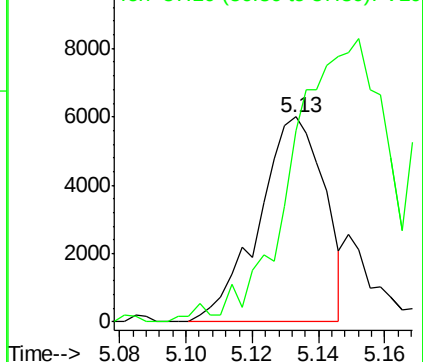
73 100

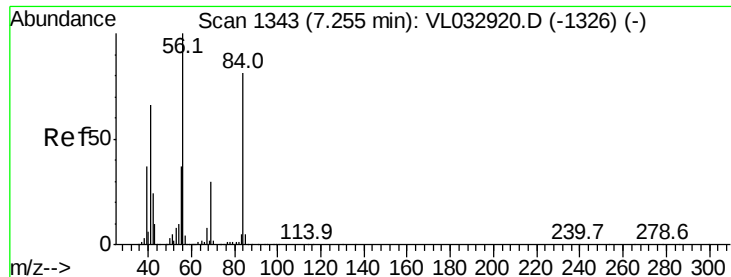
57 0.0 17.4 26.0#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

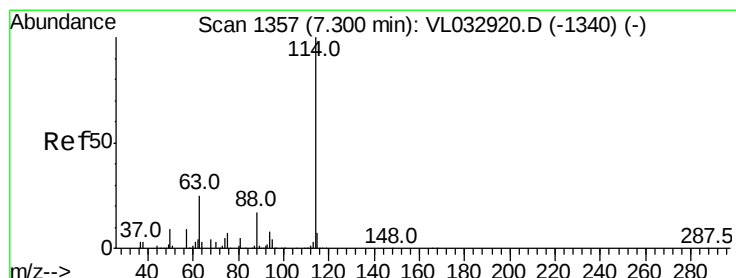
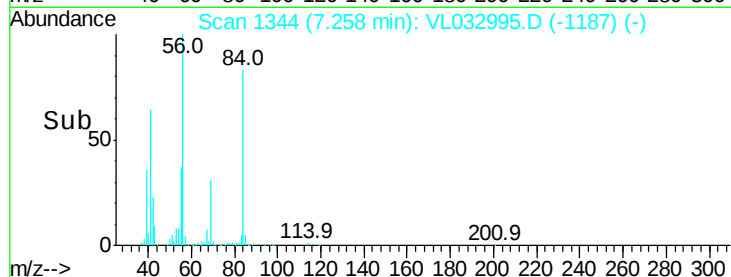
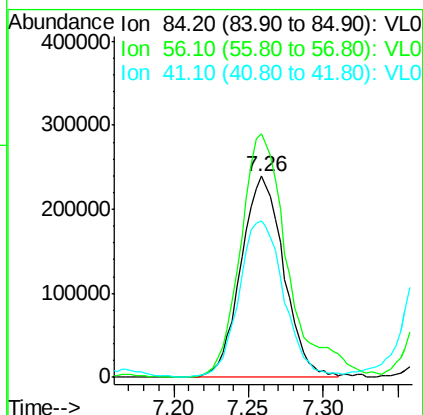
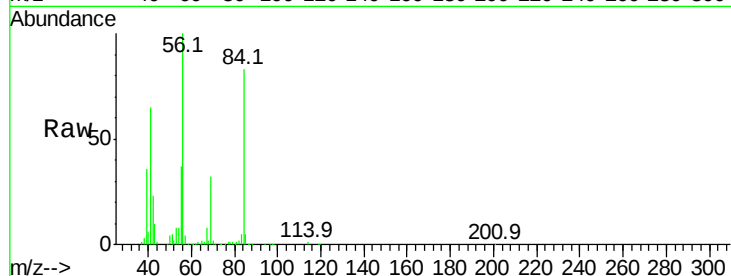




#30
Cyclohexane
Concen: 5.544 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

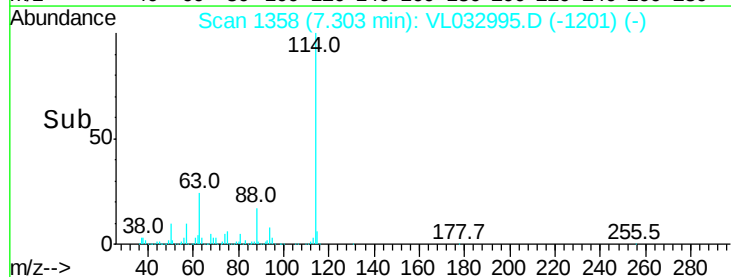
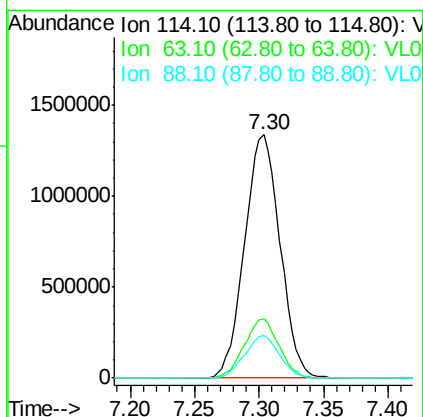
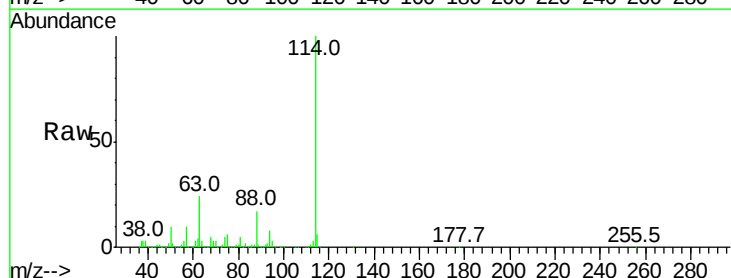
Instrument :
MSVOA_L
ClientSampleId :
P0068-SG001-181212-01

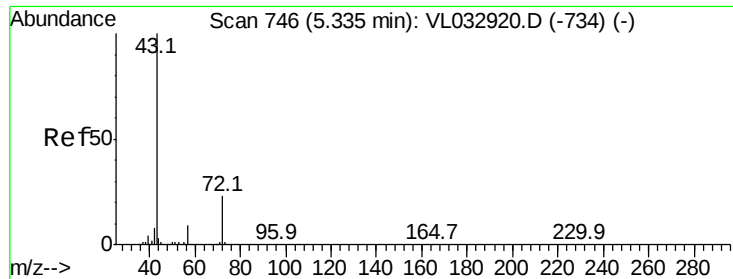
Tgt Ion: 84 Resp: 477049
Ion Ratio Lower Upper
84 100
56 134.2 102.5 153.7
41 80.3 64.1 96.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

Tgt Ion: 114 Resp: 2566699
Ion Ratio Lower Upper
114 100
63 24.1 20.1 30.1
88 17.2 14.2 21.4

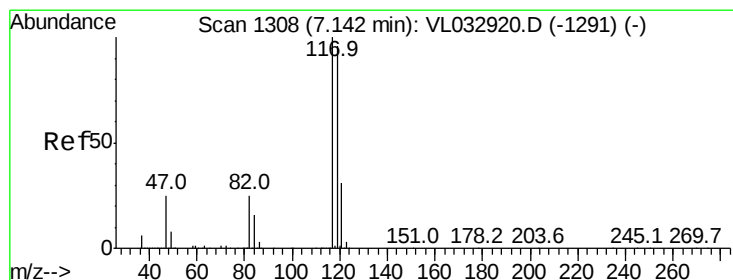
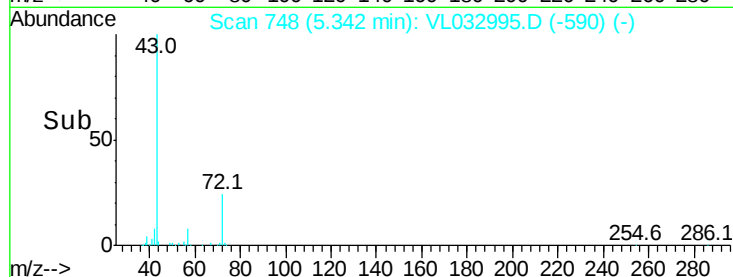
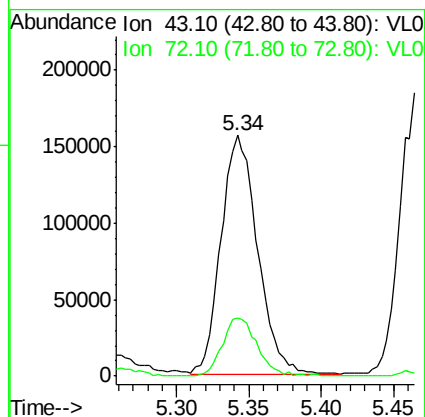
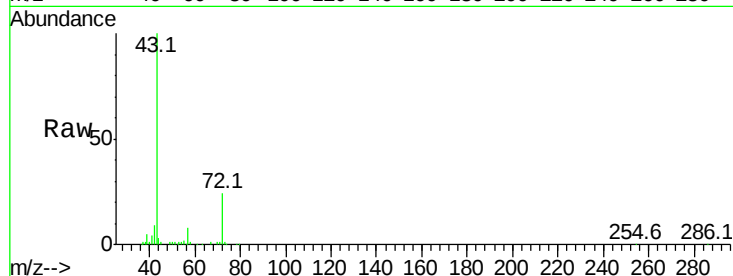




#34
2-Butanone
Concen: 2.441 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

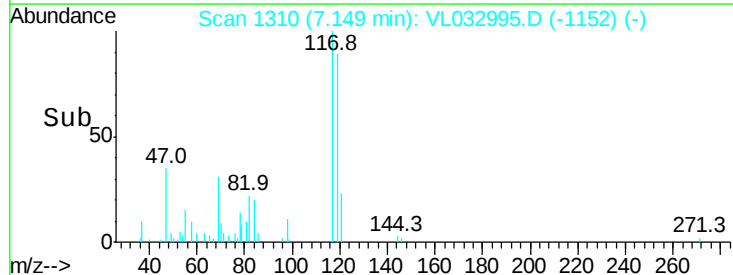
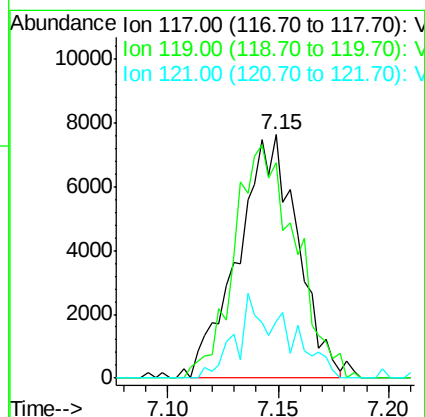
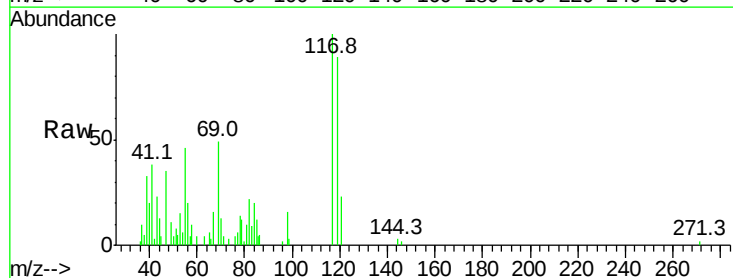
Instrument :
MSVOA_L
ClientSampleId :
P0068-SG001-181212-01

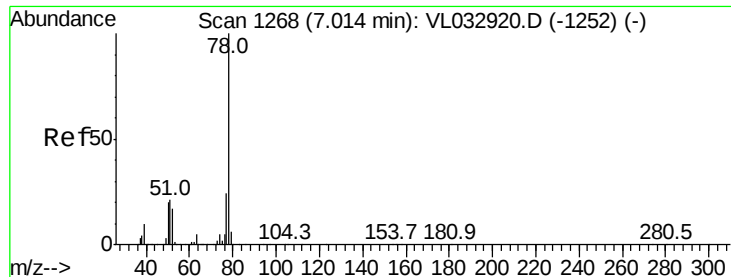
Tgt Ion: 43 Resp: 272902
Ion Ratio Lower Upper
43 100
72 23.4 18.8 28.2



#35
Carbon Tetrachloride
Concen: 0.070 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.01 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

Tgt Ion: 117 Resp: 14166
Ion Ratio Lower Upper
117 100
119 84.3 76.5 114.7
121 23.2 24.5 36.7#





#36

Benzene

Concen: 16.719 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

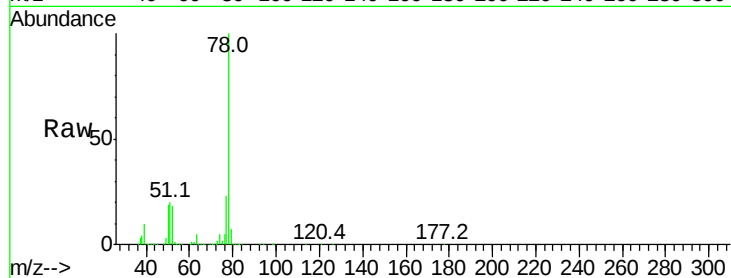
MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

Tgt Ion: 78 Resp: 3156392

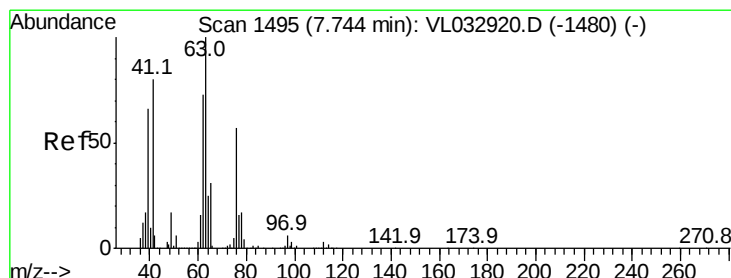
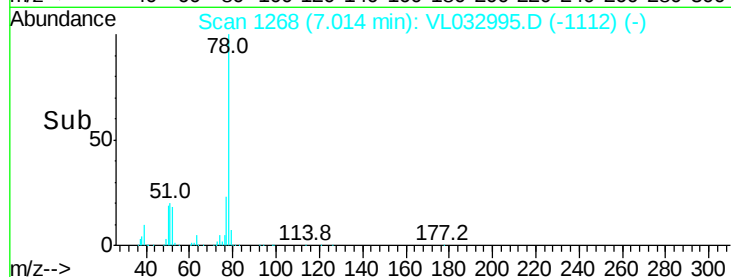
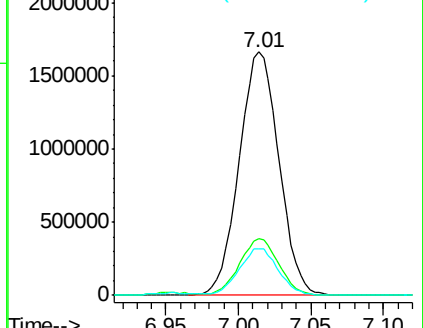
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3
50	18.8	16.1	24.1



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



#39

1,2-Dichloropropane

Concen: 8.415 ppbv

RT: 7.30 min Scan# 1358

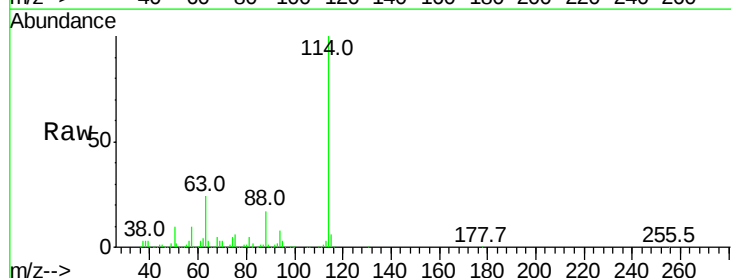
Delta R.T. -0.44 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Tgt Ion: 63 Resp: 602505

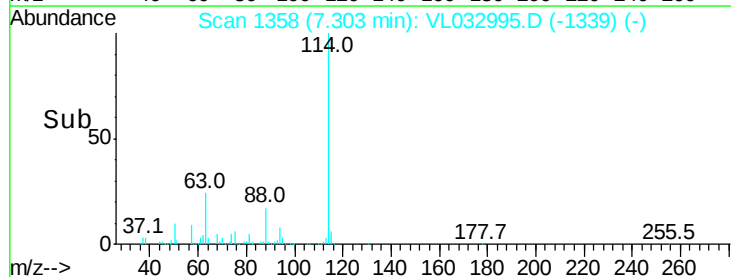
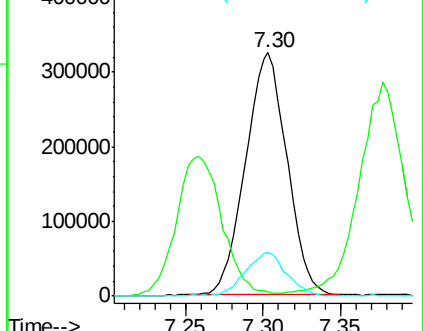
Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	18.3	58.8	88.2#

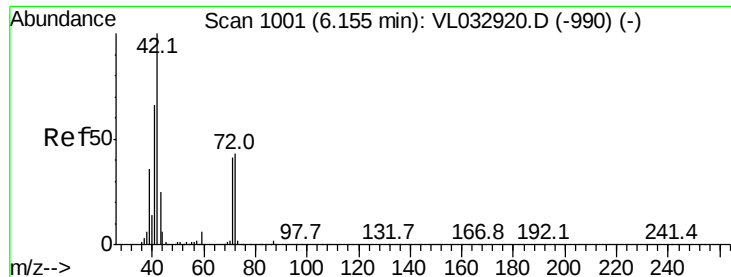


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

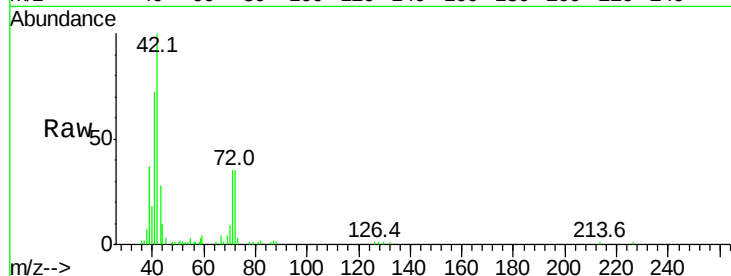




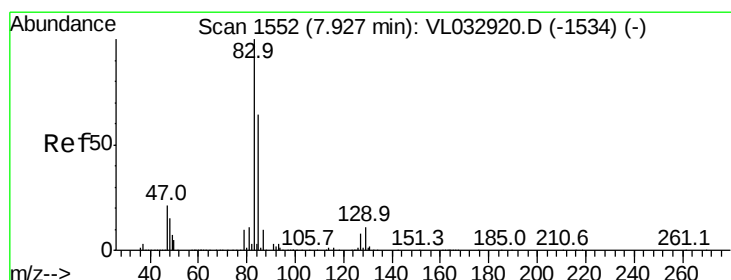
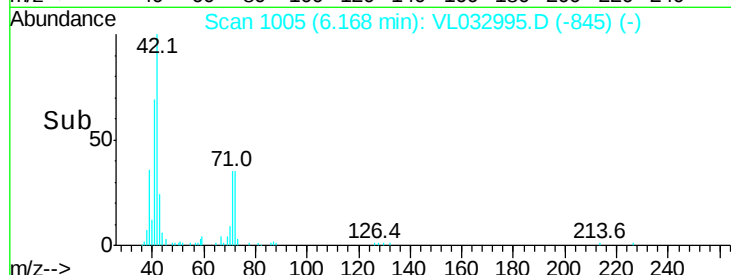
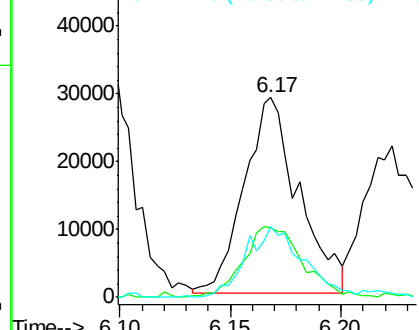
#41
Tetrahydrofuran
Concen: 0.715 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
P0068-SG001-181212-01

Tgt Ion: 42 Resp: 49725
Ion Ratio Lower Upper
42 100
72 40.3 32.9 49.3
71 40.0 32.0 48.0

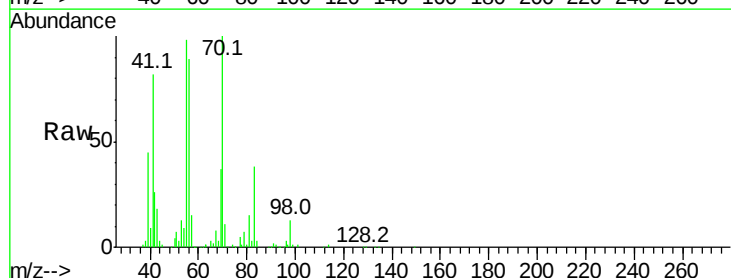


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

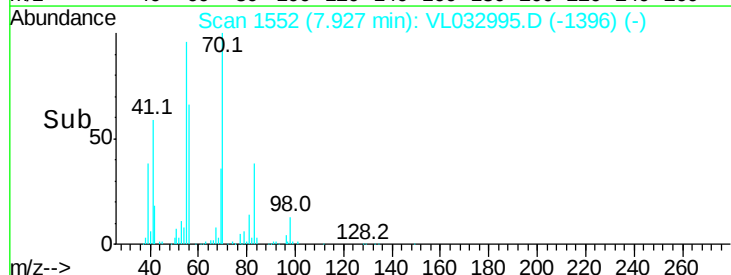
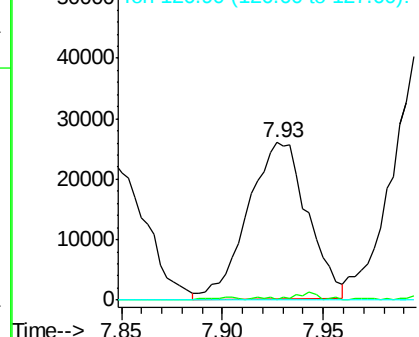


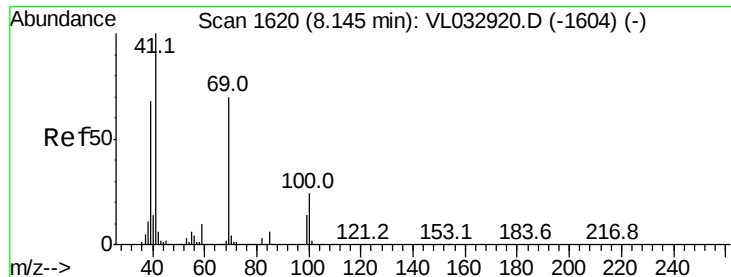
#42
Bromodichloromethane
Concen: 0.300 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

Tgt Ion: 83 Resp: 53395
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#
127 0.0 6.7 10.1#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.071 ppbv

RT: 8.12 min Scan# 1613

Delta R.T. -0.02 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

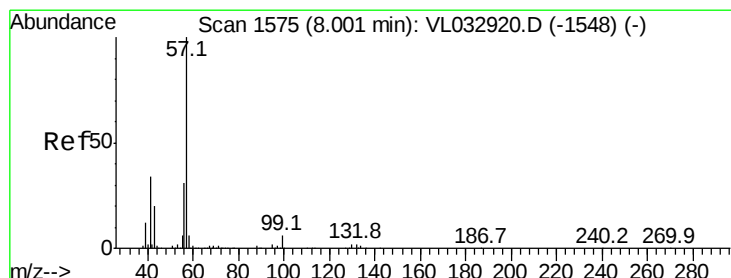
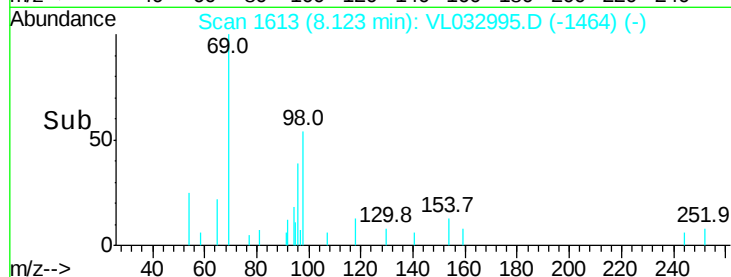
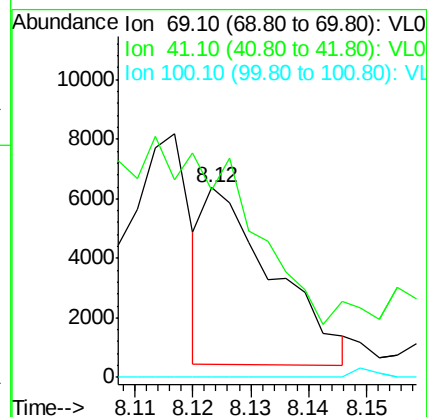
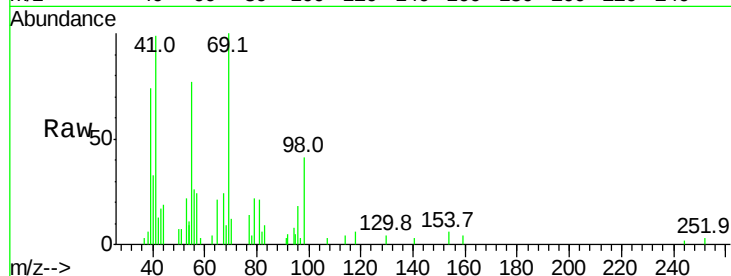
Tgt Ion: 69 Resp: 4956

Ion Ratio Lower Upper

69 100

41 0.0 116.6 175.0#

100 0.0 26.5 39.7#



#44

2,2,4-Trimethylpentane

Concen: 23.079 ppbv

RT: 8.00 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

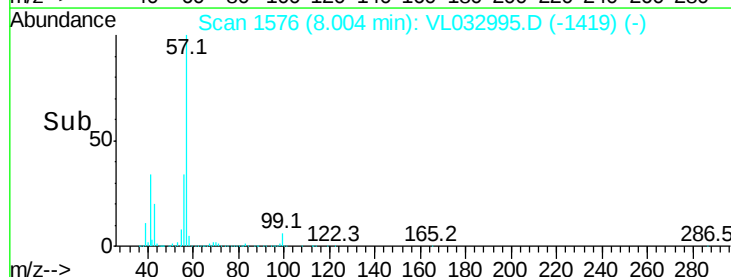
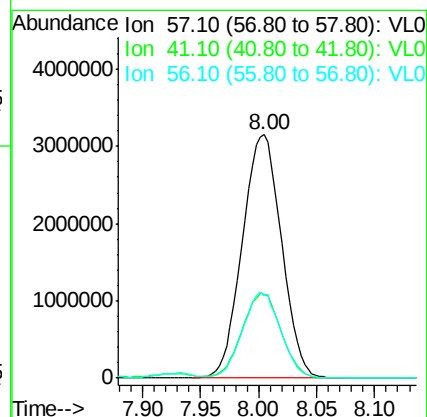
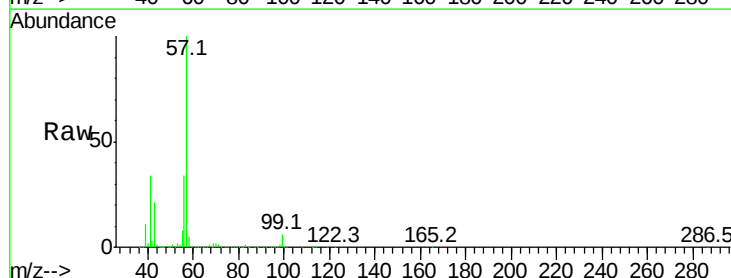
Tgt Ion: 57 Resp: 7395792

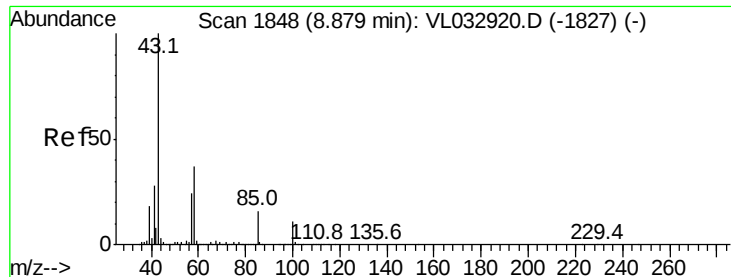
Ion Ratio Lower Upper

57 100

41 34.9 27.0 40.4

56 34.5 24.6 37.0

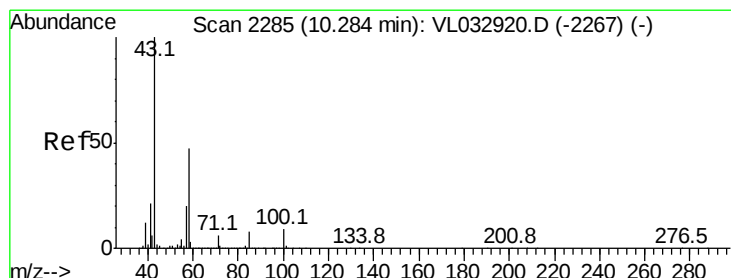
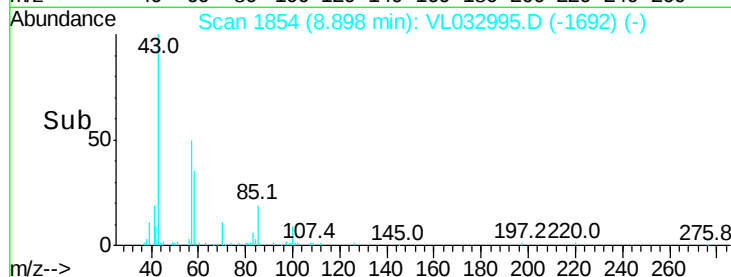
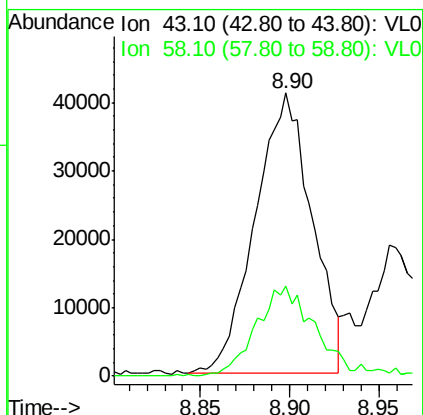
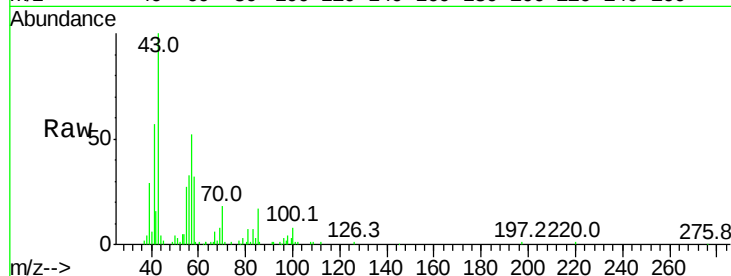




#50
 4-Methyl-2-Pentanone
 Concen: 0.511 ppbv
 RT: 8.90 min Scan# 1854
 Delta R.T. 0.02 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

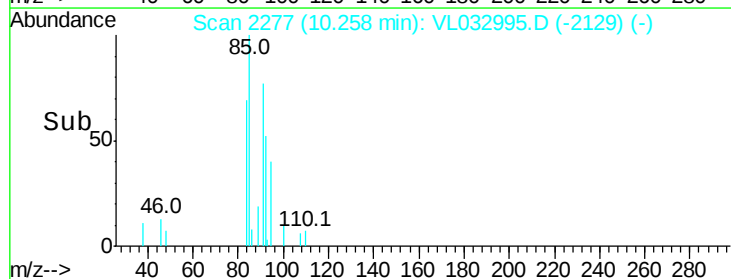
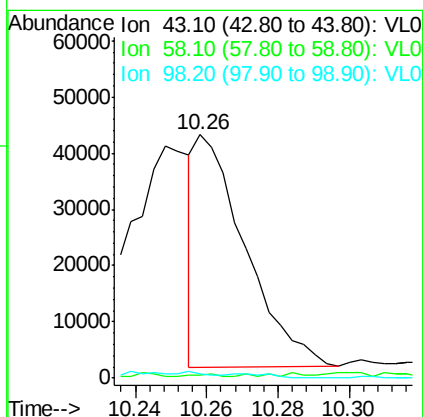
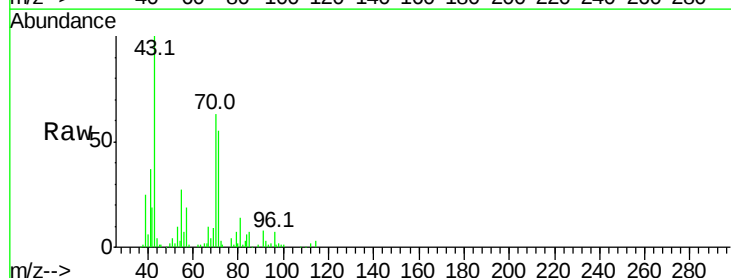
Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-SG001-181212-01

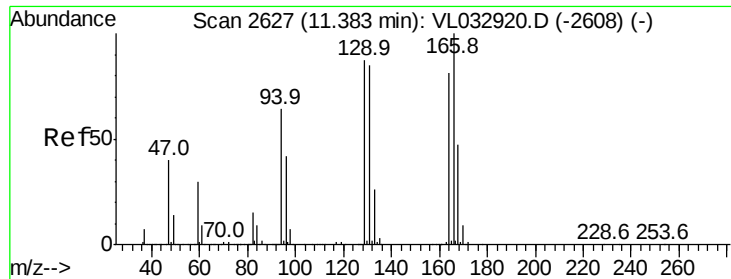
Tgt Ion: 43 Resp: 91312
 Ion Ratio Lower Upper
 43 100
 58 33.8 29.0 43.4



#51
 2-Hexanone
 Concen: 0.329 ppbv
 RT: 10.26 min Scan# 2277
 Delta R.T. -0.03 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

Tgt Ion: 43 Resp: 39915
 Ion Ratio Lower Upper
 43 100
 58 5.0 38.1 57.1#
 98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.373 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

Tgt Ion:164 Resp: 25643

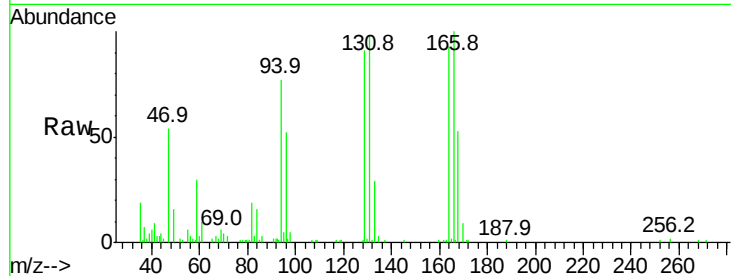
Ion Ratio Lower Upper

164 100

166 106.0 98.8 148.2

129 96.4 85.5 128.3

131 105.6 84.4 126.6

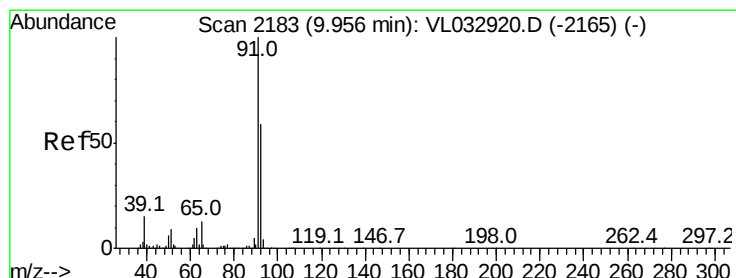
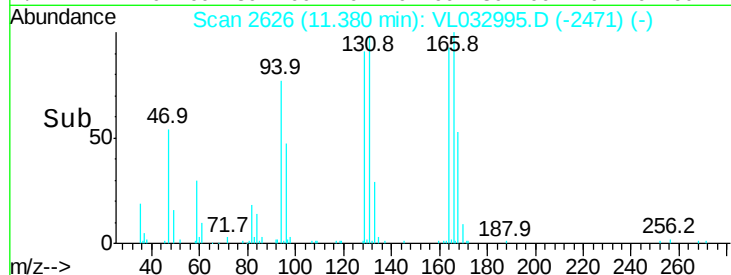
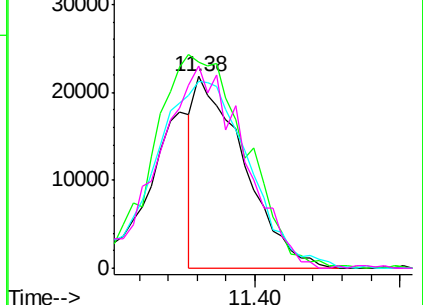


Abundance Ion 163.90 (163.60 to 164.60): V

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: 51.662 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032995.D

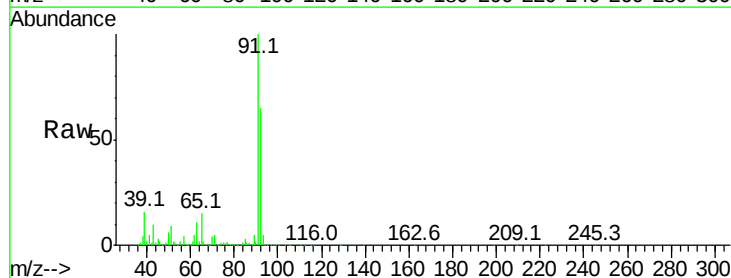
Acq: 14 Dec 2018 10:21

Tgt Ion: 91 Resp:10343786

Ion Ratio Lower Upper

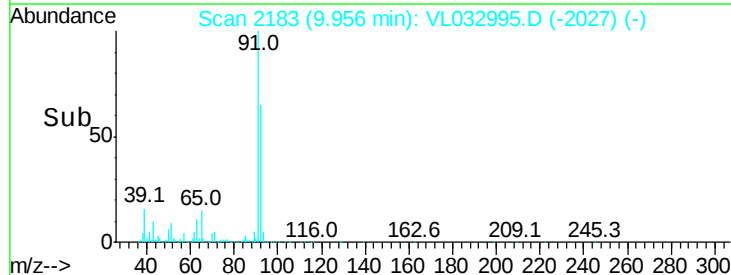
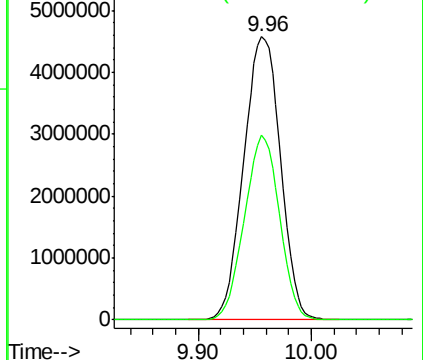
91 100

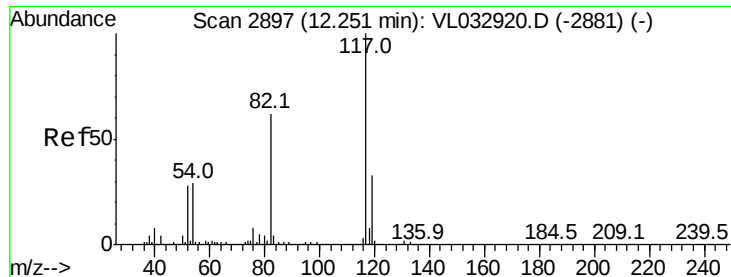
92 62.3 47.4 71.0



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: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032995.D

Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01

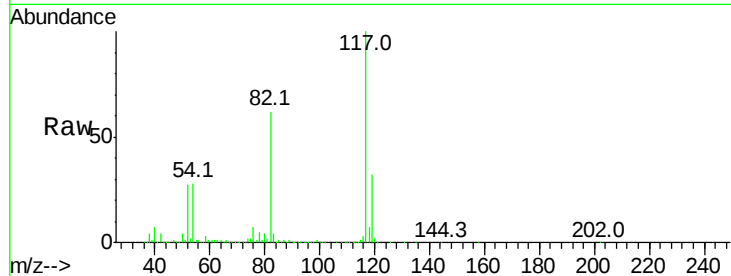
Tgt Ion:117 Resp: 2930924

Ion Ratio Lower Upper

117 100

82 63.4 47.8 71.8

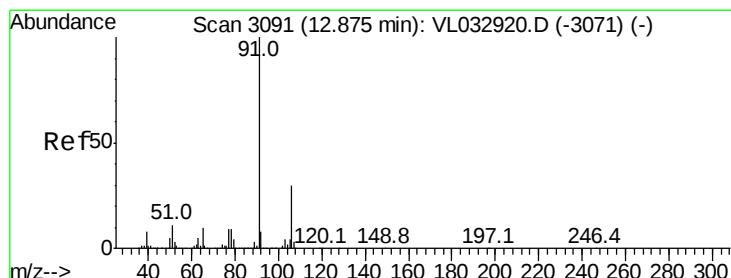
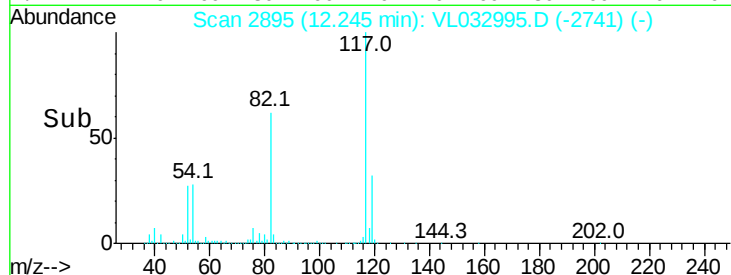
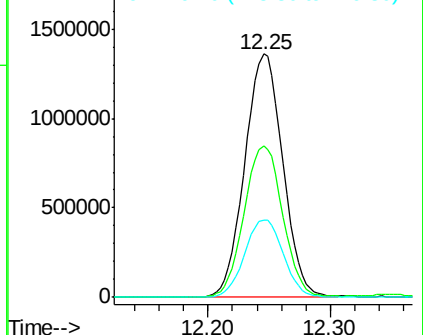
119 32.6 43.1 64.7#



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: 3.148 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032995.D

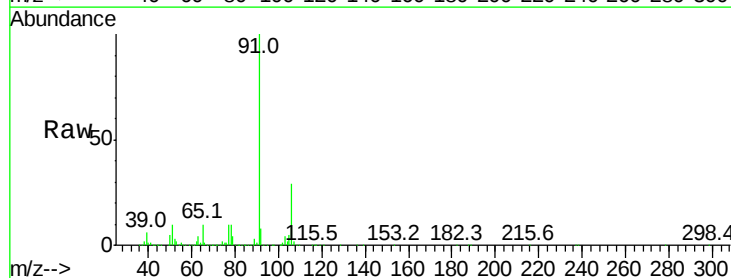
Acq: 14 Dec 2018 10:21

Tgt Ion: 91 Resp: 984259

Ion Ratio Lower Upper

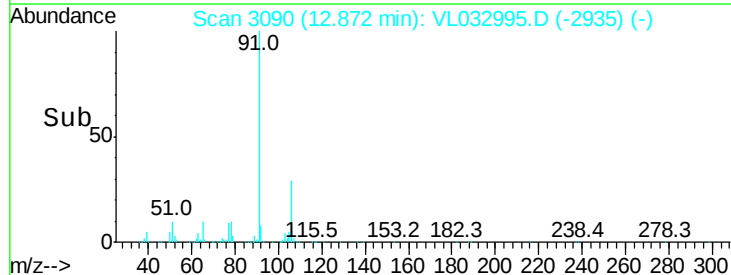
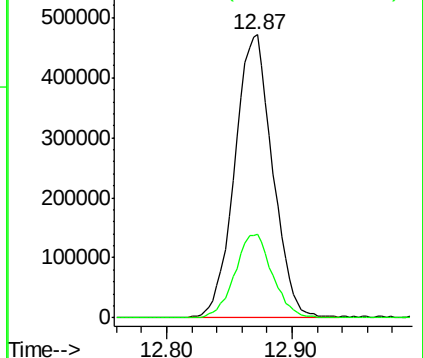
91 100

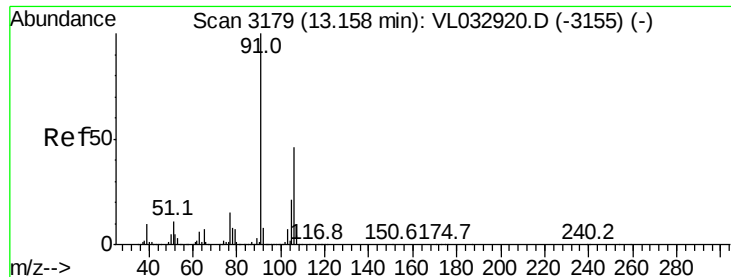
106 29.4 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

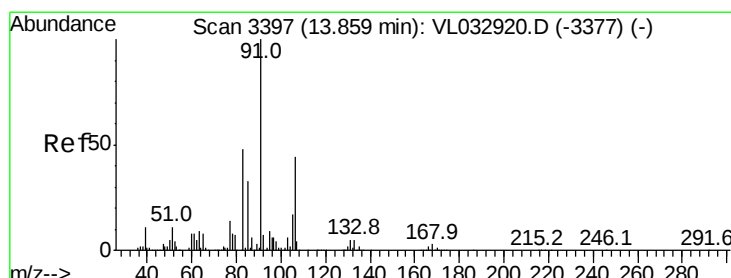
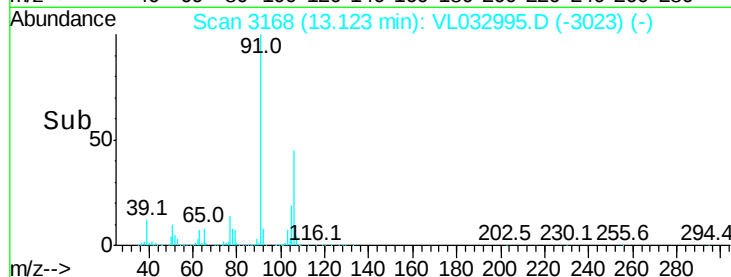
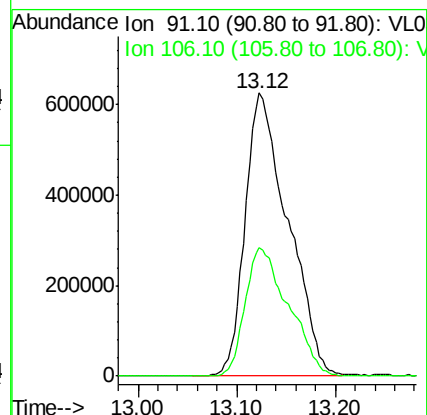
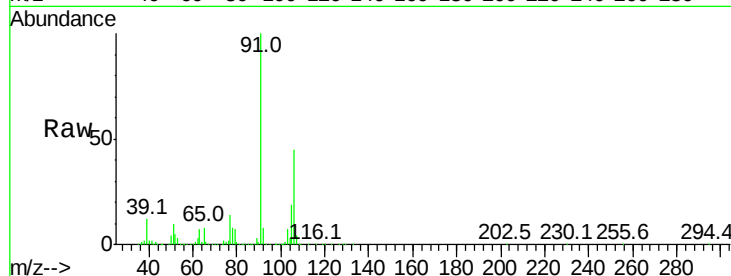




#59
m/p-Xylene
Concen: 6.606 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

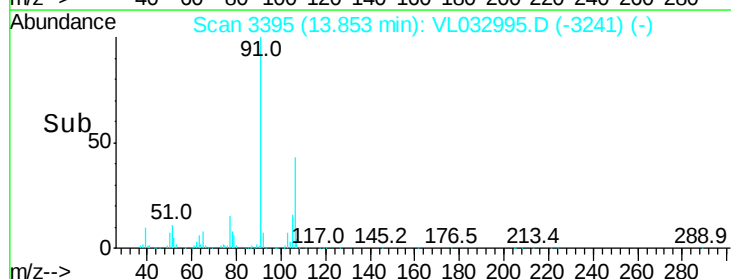
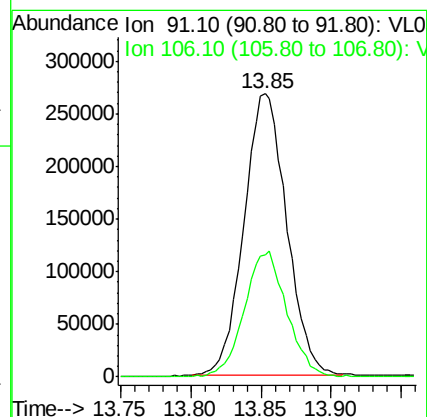
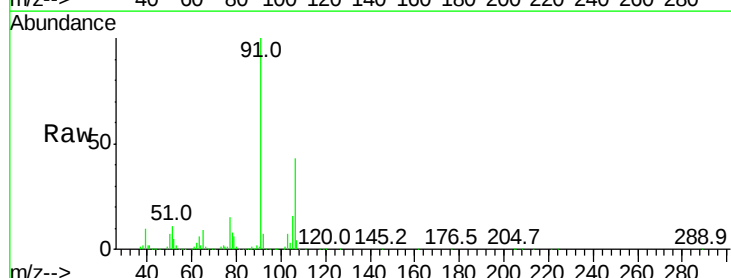
Instrument :
MSVOA_L
ClientSampleId :
P0068-SG001-181212-01

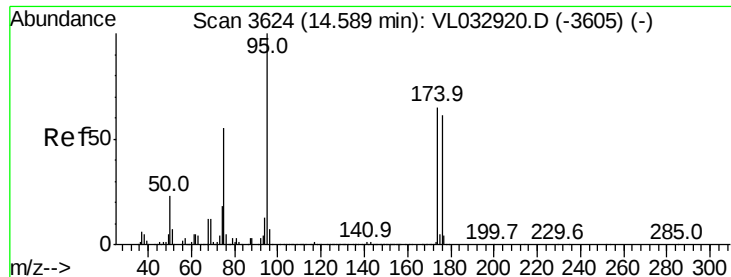
Tgt Ion: 91 Resp: 1872679
Ion Ratio Lower Upper
91 100
106 46.2 0.0 0.0#



#60
o-Xylene
Concen: 1.986 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032995.D
Acq: 14 Dec 2018 10:21

Tgt Ion: 91 Resp: 568578
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.8

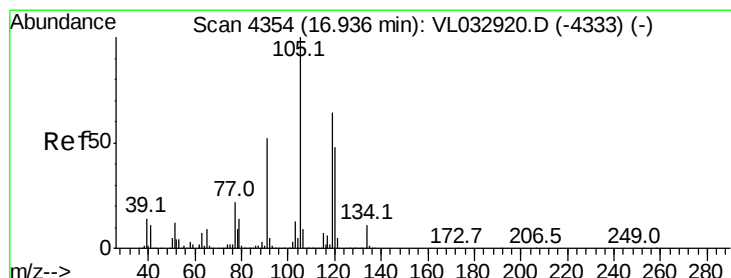
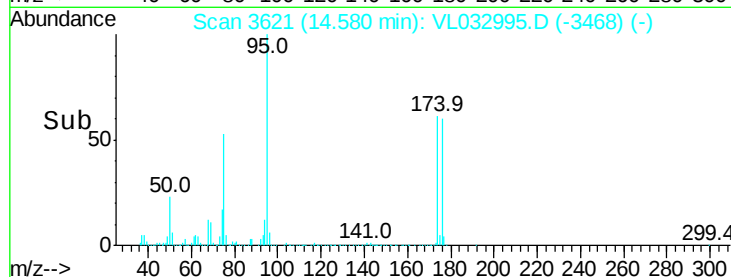
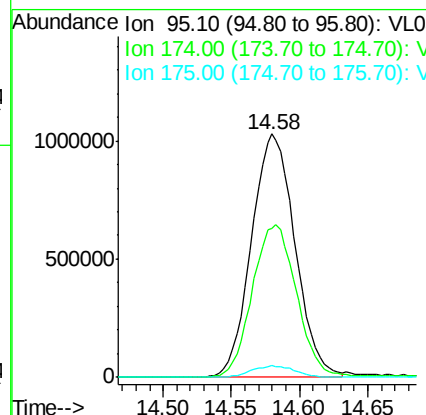
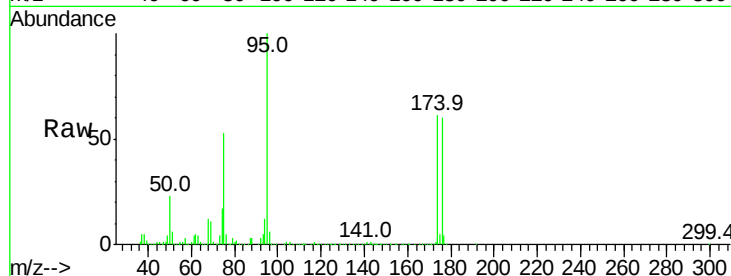




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.520 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

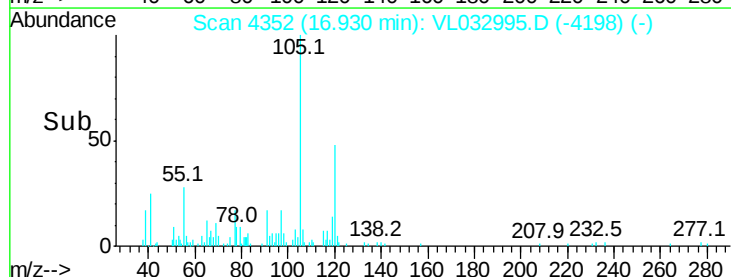
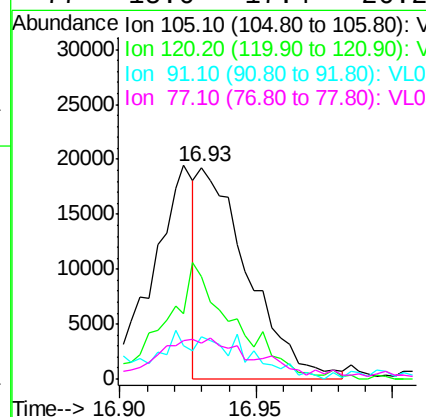
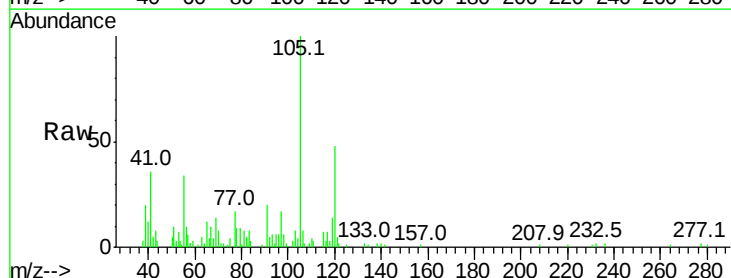
Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-SG001-181212-01

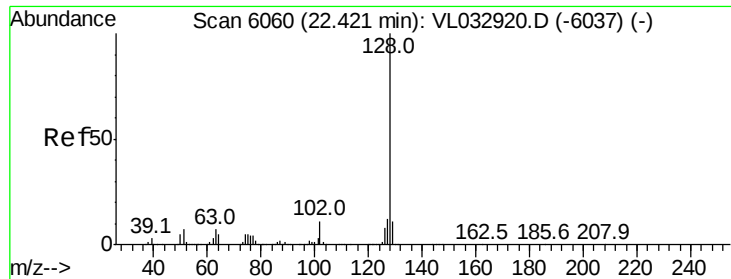
Tgt Ion: 95 Resp: 2277904
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.4 77.0
 175 4.8 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.069 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032995.D
 Acq: 14 Dec 2018 10:21

Tgt Ion: 105 Resp: 24333
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.6 58.0
 91 19.7 41.7 62.5#
 77 15.6 17.4 26.2#





#79

Naphthalene

Concen: 0.038 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.01 min

Lab File: VL032995.D

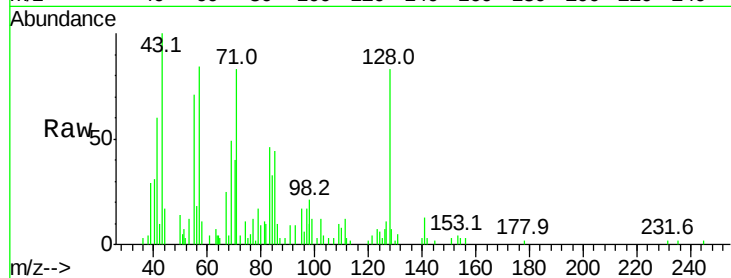
Acq: 14 Dec 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01



Tgt Ion:	128	Resp:	8619
Ion	Ratio	Lower	Upper
128	100		
127	4.8	9.9	14.9#
129	0.0	8.6	13.0#

