

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032285.D
 Acq On : 19 Jul 2018 7:04
 Operator : SY/AP
 Sample : J3454-08
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 07:48:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1573040	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3367343	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	3977753	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	3133636	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

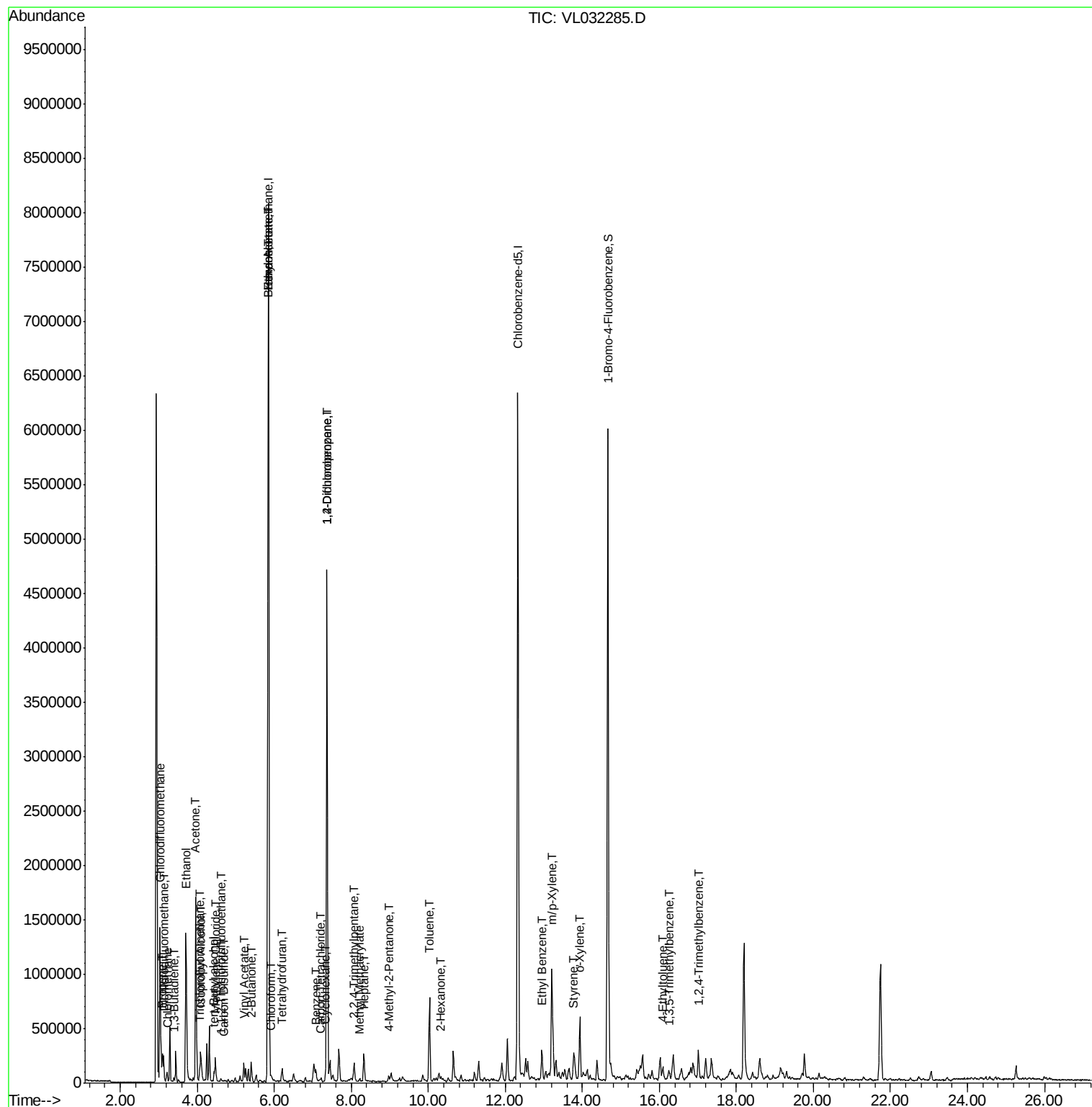
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	142877	0.534	ppbv	97
3) Chlorodifluoromethane	3.04	51	1151012	6.520	ppbv #	69
4) Chloromethane	3.22	50	62034	0.597	ppbv	91
9) Propene	3.10	41	54649	0.708	ppbv #	75
10) Heptane	8.33	43	65636	0.268	ppbv #	69
11) Trichlorofluoromethane	4.06	101	61108	0.292	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.61	101	4988	0.037	ppbv #	1
13) Ethanol	3.71	45	1535555	69.659	ppbv	100
15) Acetone	3.96	43	1738854	10.562	ppbv	97
16) 1,3-Butadiene	3.40	39	12444	0.148	ppbv #	23
17) tert-Butyl alcohol	4.44	59	22662	0.436	ppbv	95
19) Isopropyl Alcohol	4.09	45	326380	2.931	ppbv #	1
20) Methylene Chloride	4.48	84	72406	1.142	ppbv #	89
23) Vinyl Acetate	5.21	43	105493	0.357	ppbv #	73
25) Ethyl Acetate	5.85	43	2225087	6.205	ppbv #	78
26) Hexane	5.86	57	3005378	18.248	ppbv #	44
27) Carbon Disulfide	4.69	76	2940	0.020	ppbv #	61
29) Chloroform	5.92	83	14061	0.058	ppbv #	83
30) Cyclohexane	7.33	84	3329	0.024	ppbv #	1
34) 2-Butanone	5.40	43	212527	0.920	ppbv	97
35) Carbon Tetrachloride	7.21	117	8007	0.035	ppbv	89
36) Benzene	7.08	78	54017	0.163	ppbv #	93
39) 1,2-Dichloropropane	7.37	63	932820	7.109	ppbv #	25
41) Tetrahydrofuran	6.20	42	38980	0.289	ppbv #	57
43) Methyl Methacrylate	8.21	69	3125	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	8.07	57	122638	0.212	ppbv #	81
50) 4-Methyl-2-Pentanone	8.96	43	13177	0.035	ppbv #	38
51) 2-Hexanone	10.33	43	8509	0.029	ppbv #	28
53) Toluene	10.03	91	508440	1.265	ppbv	98
58) Ethyl Benzene	12.95	91	214313	0.382	ppbv	93
59) m/p-Xylene	13.21	91	1004004	2.100	ppbv	99
60) o-Xylene	13.94	91	423844	0.890	ppbv	98
61) Styrene	13.77	104	106367	0.301	ppbv	96
72) 4-Ethyltoluene	16.08	105	33930	0.062	ppbv #	47
73) 1,3,5-Trimethylbenzene	16.25	105	30748	0.057	ppbv #	82
74) 1,2,4-Trimethylbenzene	17.01	105	161387	0.287	ppbv #	74

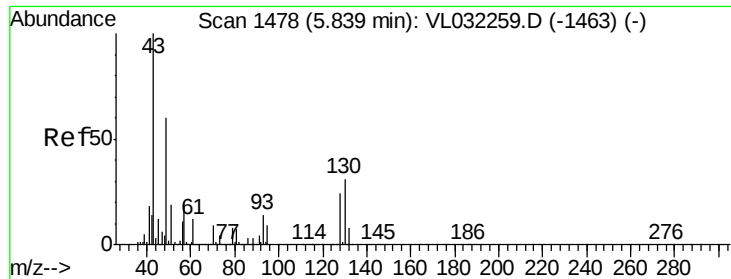
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :
MSVOA_L
ClientSampled :

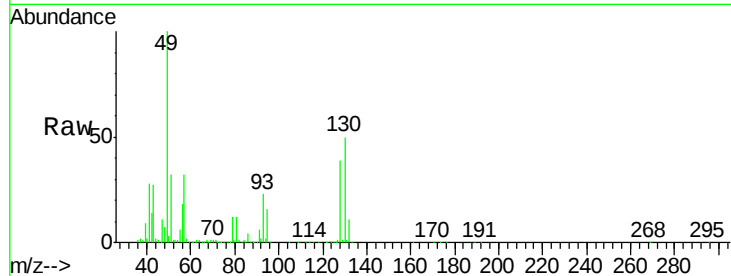
Tot Ion: 49 Resp: 1573040

Ion Ratio Lower Upper

49 100

128 39.9 20.1 60.2

130 50.6 25.9 77.6



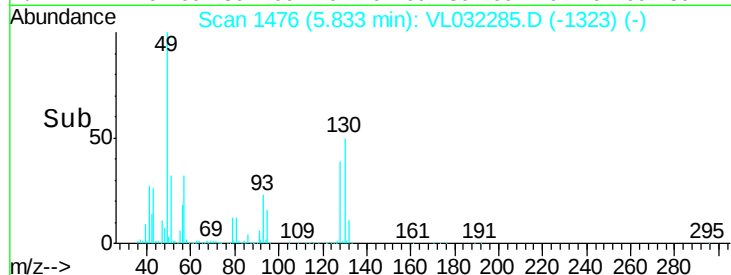
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

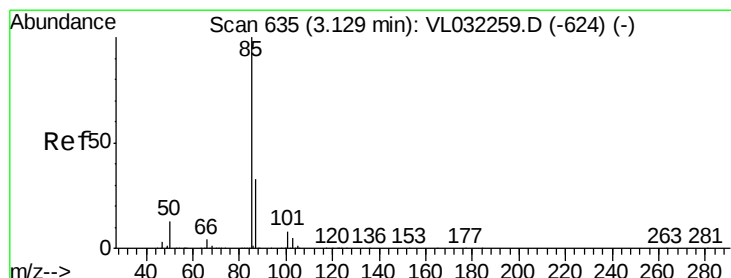
Ion 130.00 (129.70 to 130.70): VL0

5.83

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.534 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032285.D

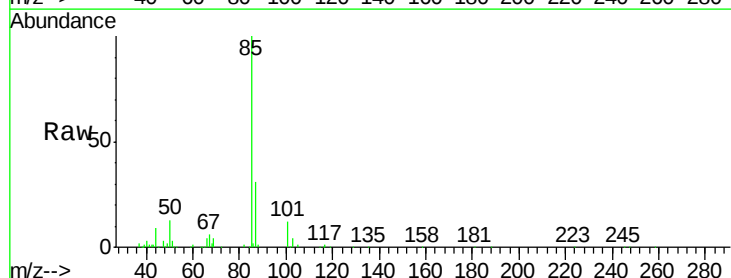
Acq: 19 Jul 2018 7:04

Tgt Ion: 85 Resp: 142877

Ion Ratio Lower Upper

85 100

87 30.9 26.2 39.2

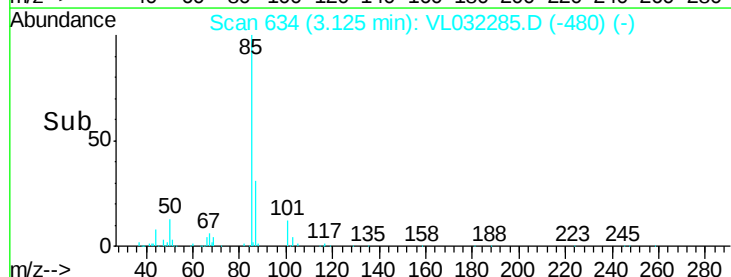


Abundance Ion 85.00 (84.70 to 85.70): VL0

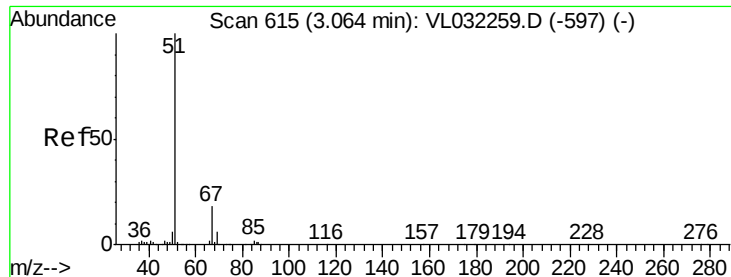
Ion 87.00 (86.70 to 87.70): VL0

3.13

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 6.520 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.03 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

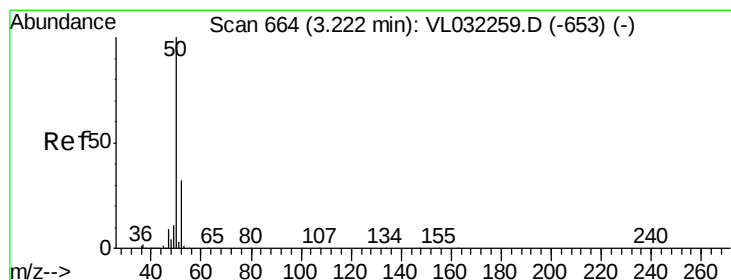
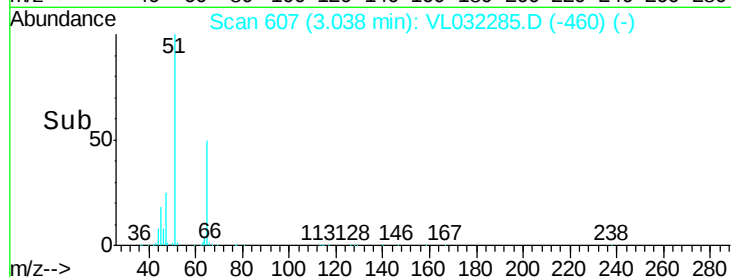
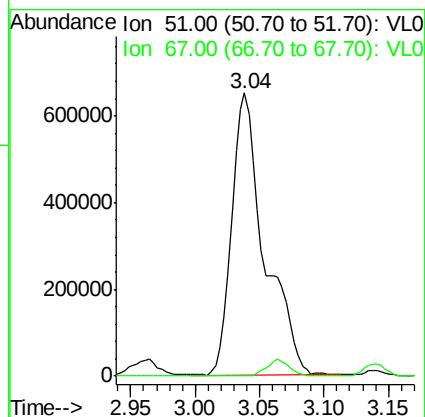
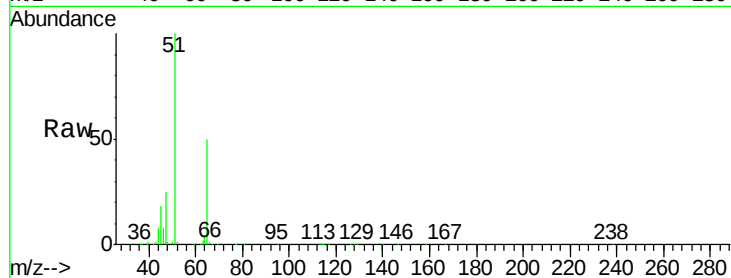
ClientSampleId :

Tot Ion: 51 Resp: 1151012

Ion Ratio Lower Upper

51 100

67 4.2 14.2 21.4#



#4

Chloromethane

Concen: 0.597 ppbv

RT: 3.22 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032285.D

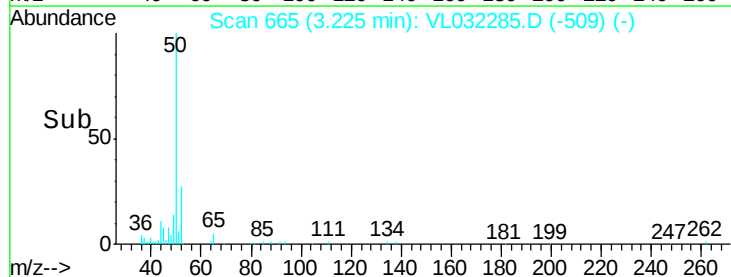
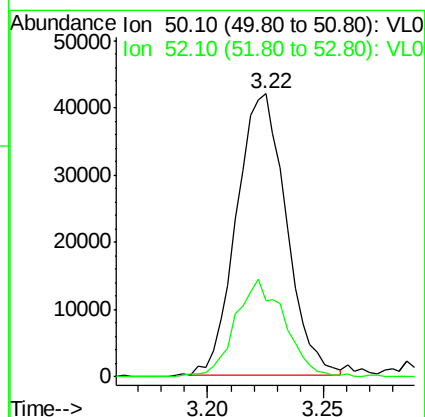
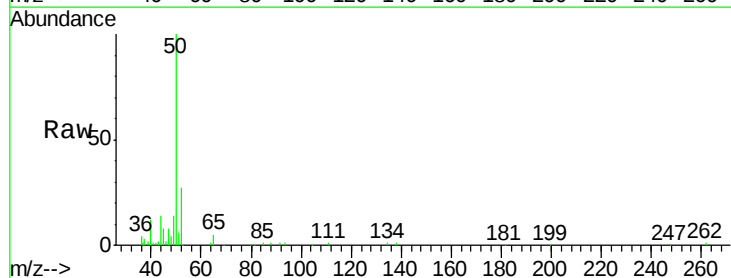
Acq: 19 Jul 2018 7:04

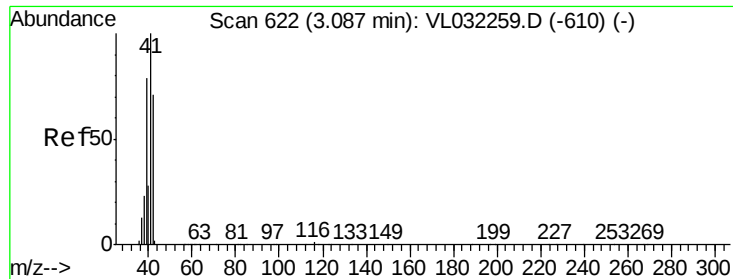
Tgt Ion: 50 Resp: 62034

Ion Ratio Lower Upper

50 100

52 26.8 25.3 37.9





#9

Propene

Concen: 0.708 ppbv

RT: 3.10 min Scan# 626

Delta R.T. 0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

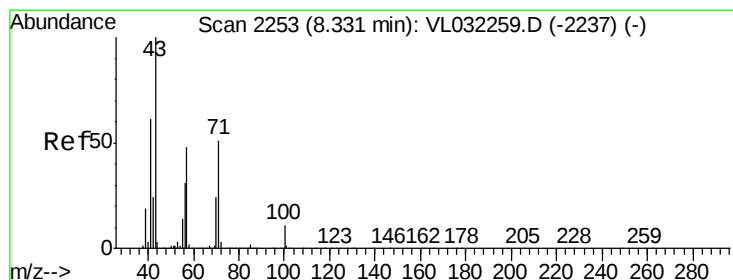
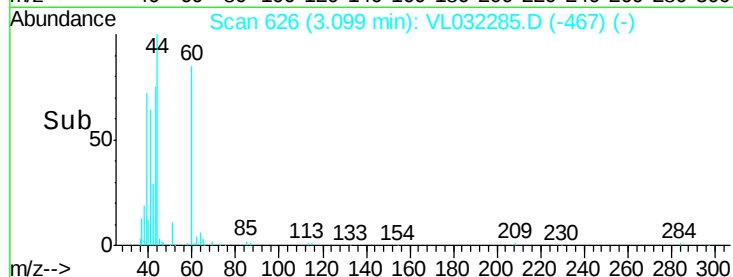
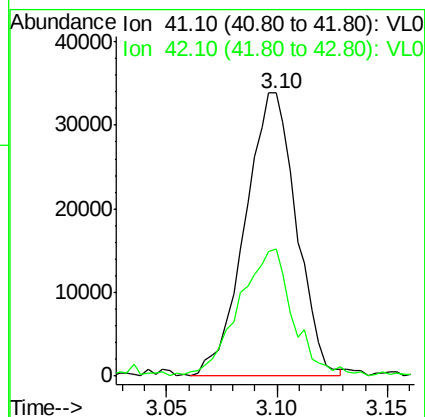
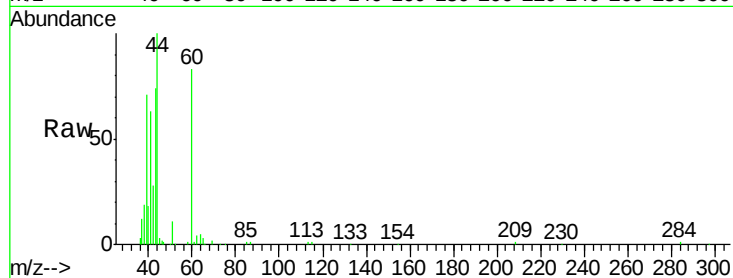
ClientSampleId :

Tot Ion: 41 Resp: 54649

Ion Ratio Lower Upper

41 100

42 50.1 56.2 84.4#



#10

Heptane

Concen: 0.268 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032285.D

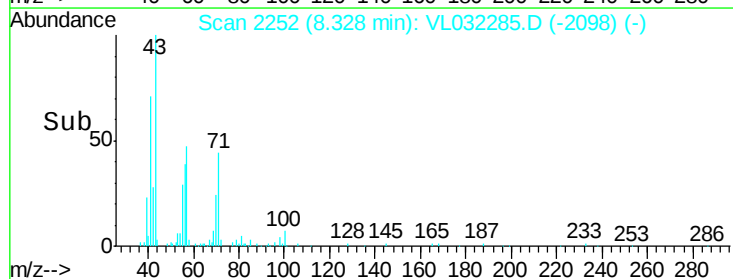
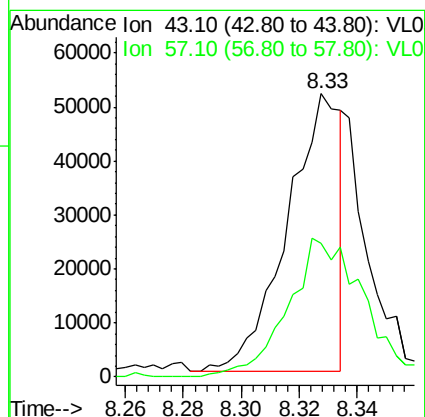
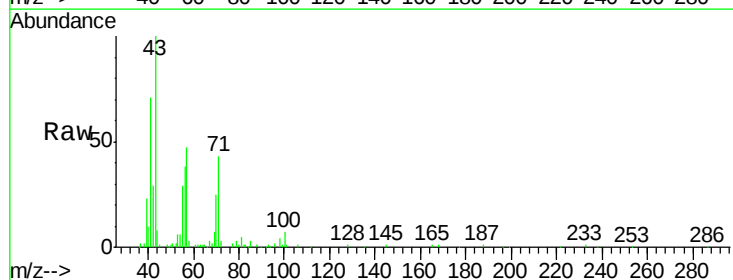
Acq: 19 Jul 2018 7:04

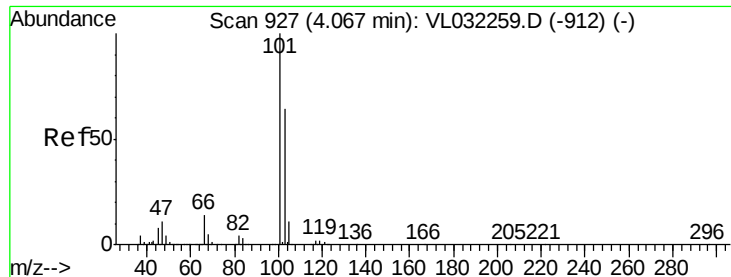
Tgt Ion: 43 Resp: 65636

Ion Ratio Lower Upper

43 100

57 70.9 39.9 59.9#





#11

Trichlorofluoromethane

Concen: 0.292 ppbv

RT: 4.06 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

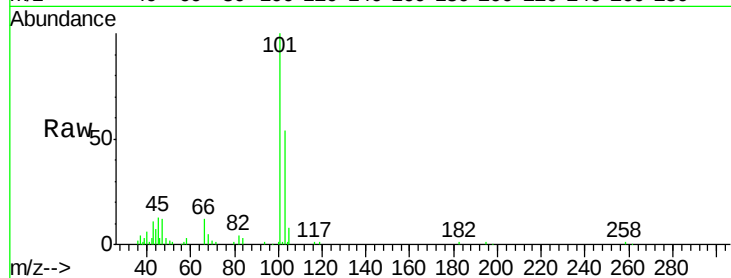
ClientSampleId :

Tot Ion:101 Resp: 61108

Ion Ratio Lower Upper

101 100

103 53.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.06

50000

40000

30000

20000

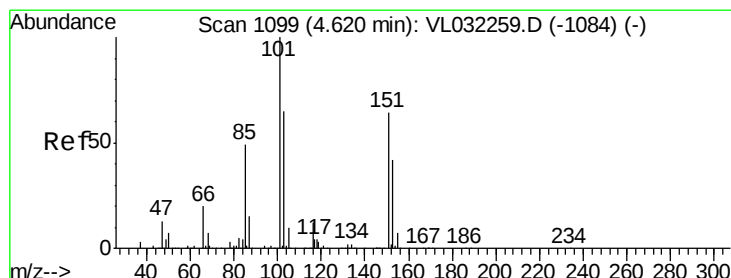
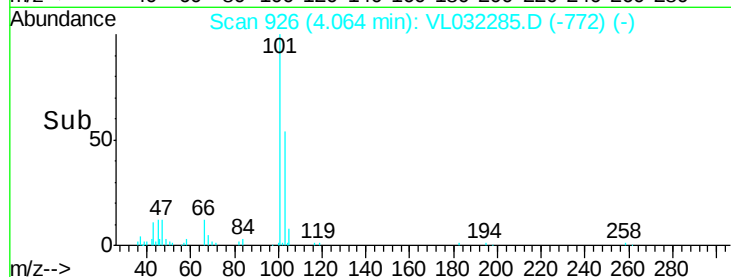
10000

0

Time--> 4.00

4.05

4.10



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.61 min Scan# 1097

Delta R.T. -0.01 min

Lab File: VL032285.D

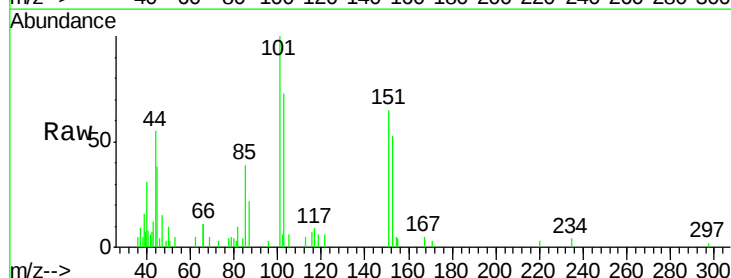
Acq: 19 Jul 2018 7:04

Tgt Ion:101 Resp: 4988

Ion Ratio Lower Upper

101 100

151 142.3 51.3 76.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.61

8000

6000

4000

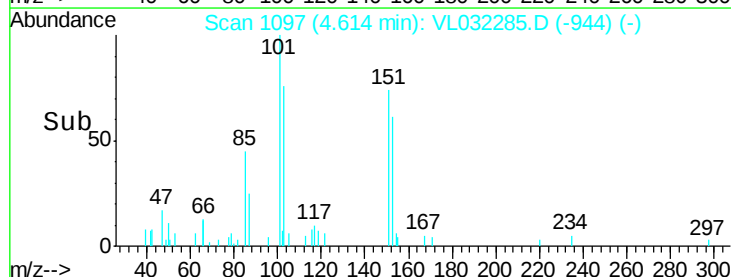
2000

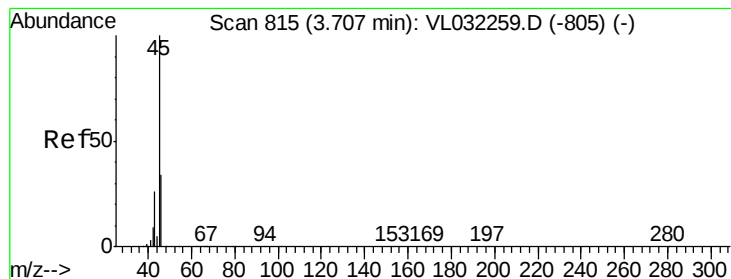
0

Time--> 4.58

4.60

4.62





#13

Ethanol

Concen: 69.659 ppbv

RT: 3.71 min Scan# 816

Delta R.T. 0.00 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

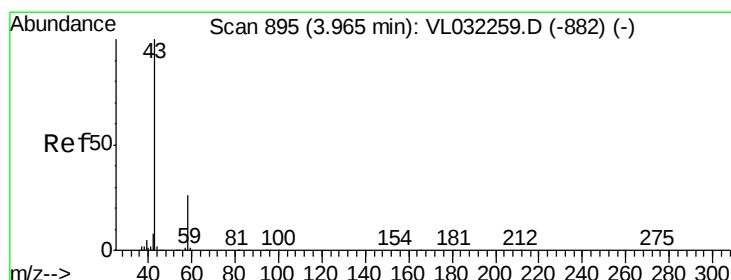
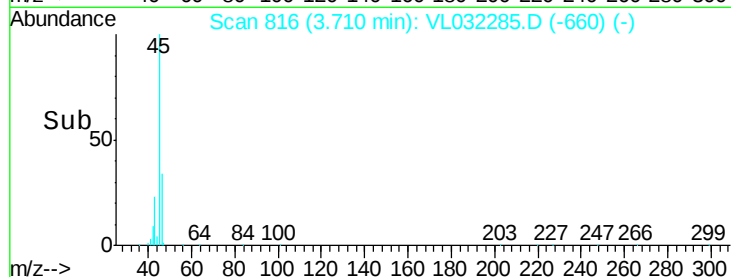
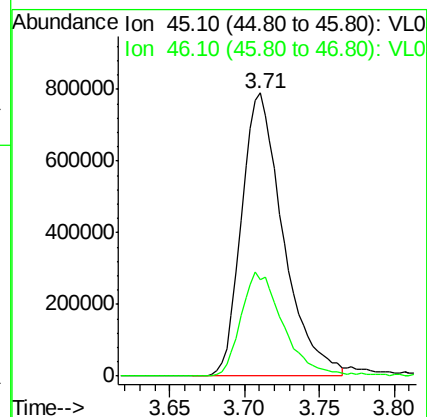
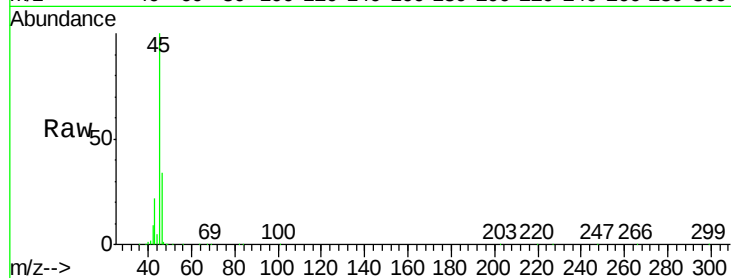
ClientSampleId :

Tot Ion: 45 Resp: 1535555

Ion Ratio Lower Upper

45 100

46 37.7 15.2 60.8



#15

Acetone

Concen: 10.562 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032285.D

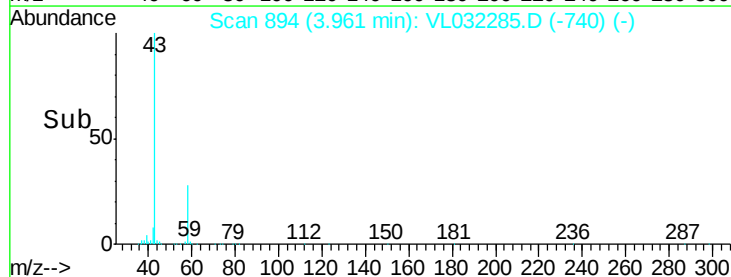
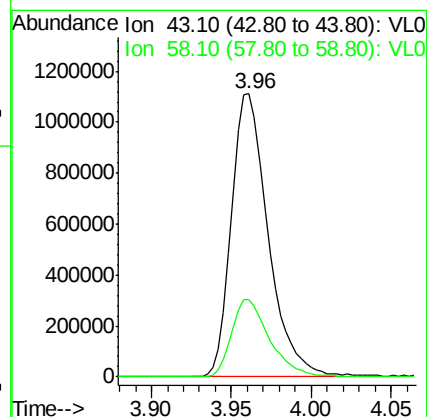
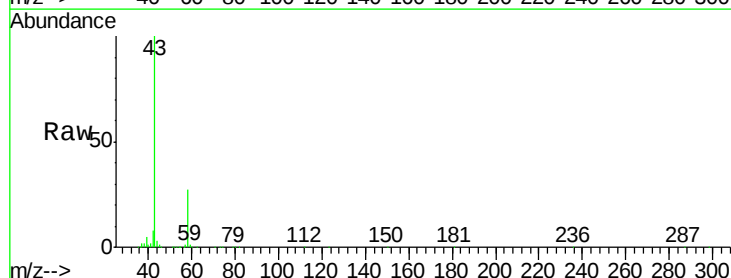
Acq: 19 Jul 2018 7:04

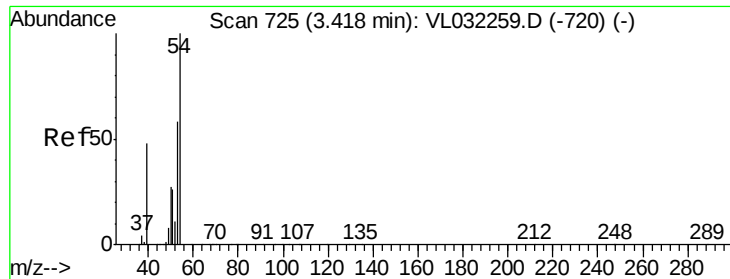
Tgt Ion: 43 Resp: 1738854

Ion Ratio Lower Upper

43 100

58 28.6 21.8 32.6

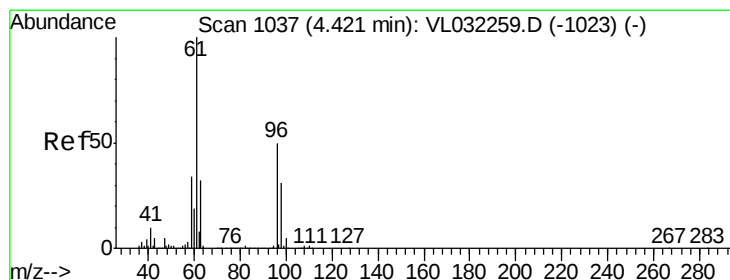
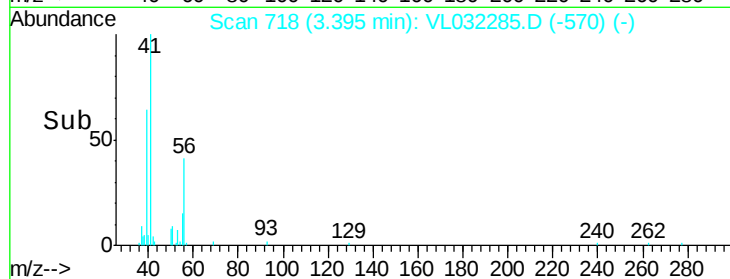
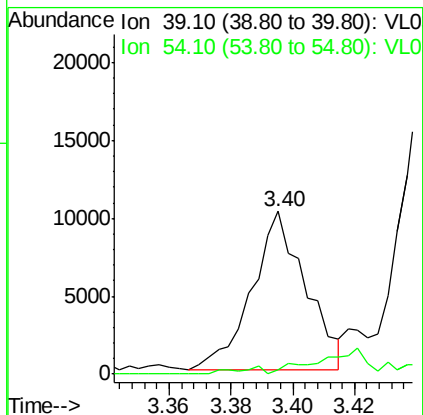
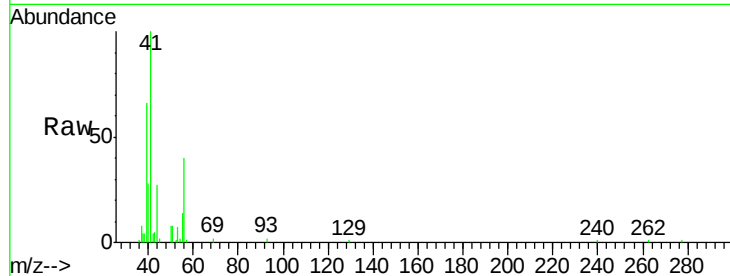




#16
 1,3-Butadiene
 Concen: 0.148 ppbv
 RT: 3.40 min Scan# 718
 Delta R.T. -0.02 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

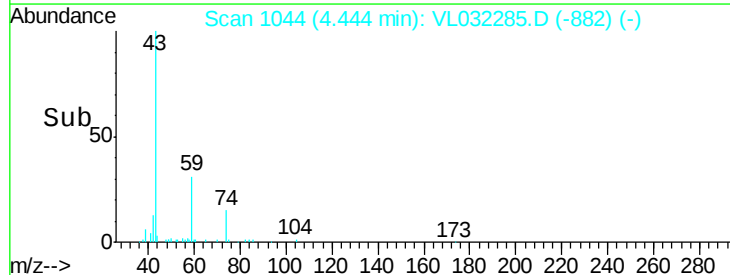
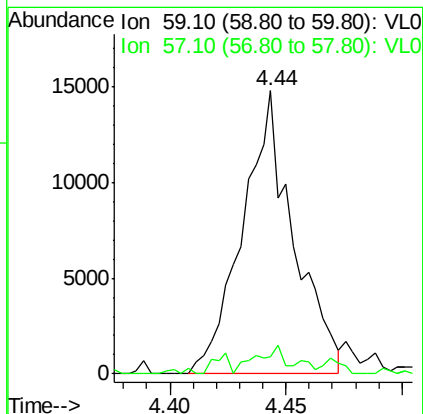
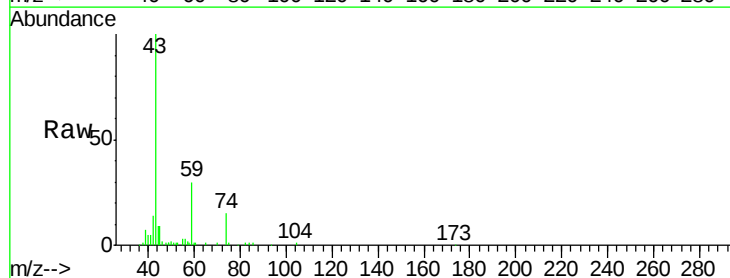
Instrument :
 MSVOA_L
 ClientSampleId :

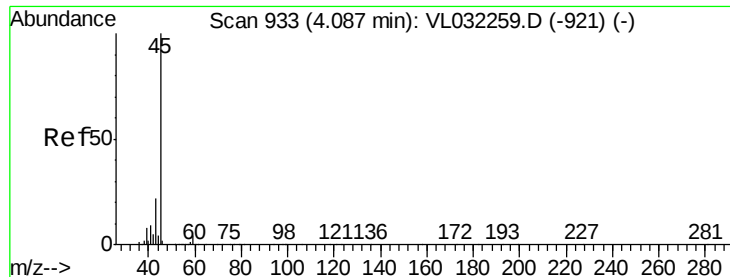
Tot Ion: 39 Resp: 12444
 Ion Ratio Lower Upper
 39 100
 54 16.2 70.6 105.8#



#17
 tert-Butyl alcohol
 Concen: 0.436 ppbv
 RT: 4.44 min Scan# 1044
 Delta R.T. 0.02 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion: 59 Resp: 22662
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.2 12.4



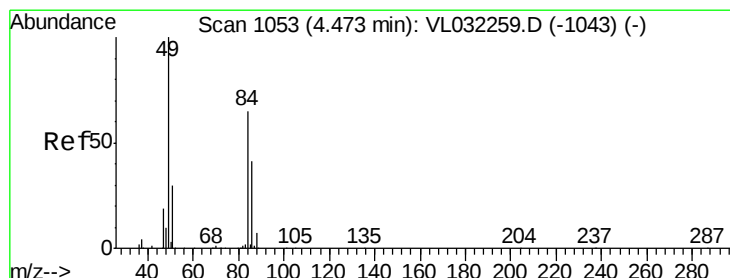
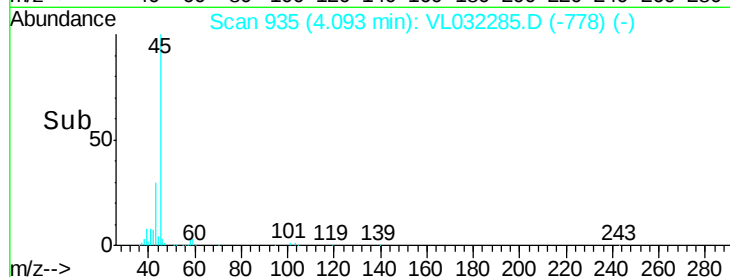
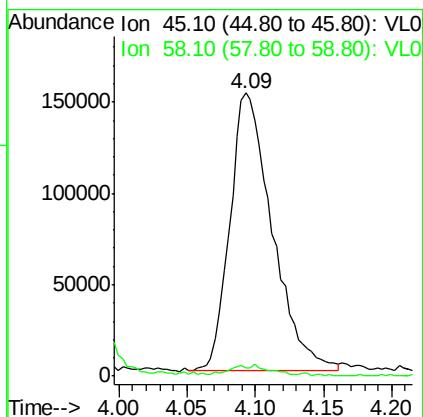
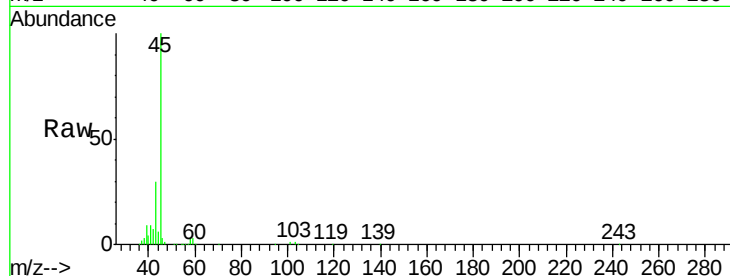


#19

Isopropyl Alcohol
 Concen: 2.931 ppbv
 RT: 4.09 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Instrument :
 MSVOA_L
 ClientSampleId :

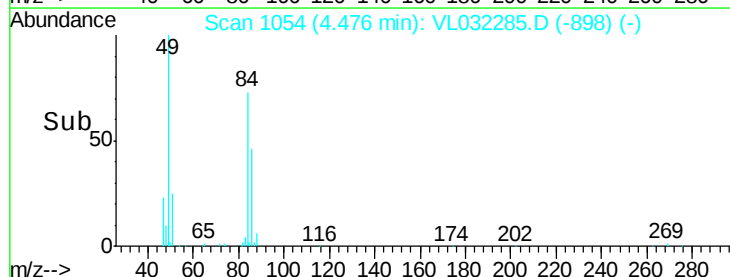
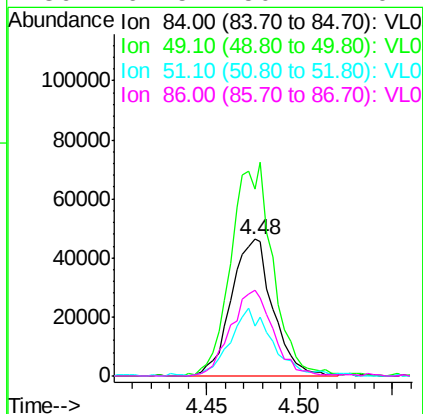
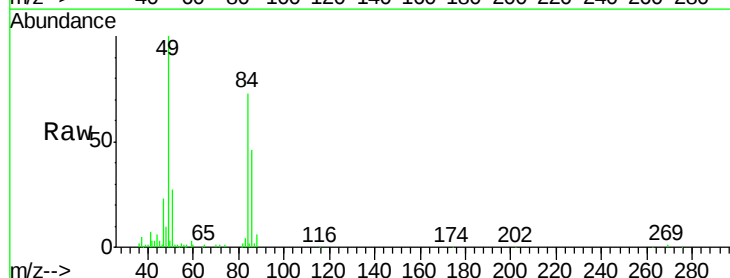
Tot Ion: 45 Resp: 326380
 Ion Ratio Lower Upper
 45 100
 58 151.5 1.5 2.3#

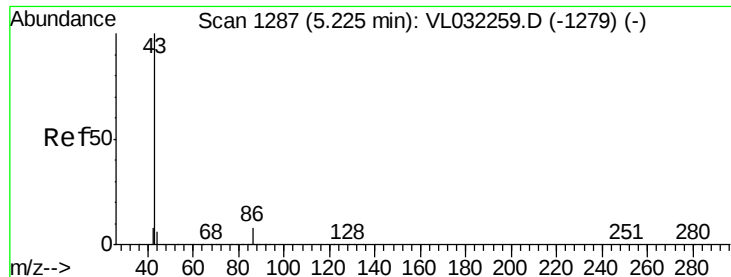


#20

Methylene Chloride
 Concen: 1.142 ppbv
 RT: 4.48 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion: 84 Resp: 72406
 Ion Ratio Lower Upper
 84 100
 49 135.3 122.4 183.6
 51 36.5 36.8 55.2#
 86 62.5 50.7 76.1





#23

Vinyl Acetate

Concen: 0.357 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 105493

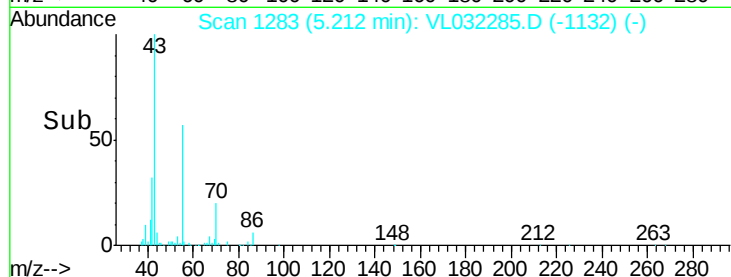
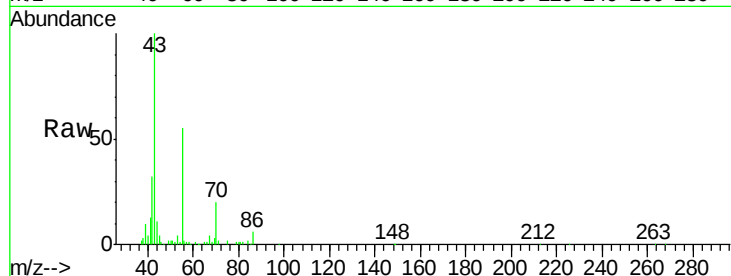
Ion Ratio Lower Upper

43 100

86 6.3 5.9 8.9

42 30.8 7.3 10.9#

44 6.7 4.4 6.6#

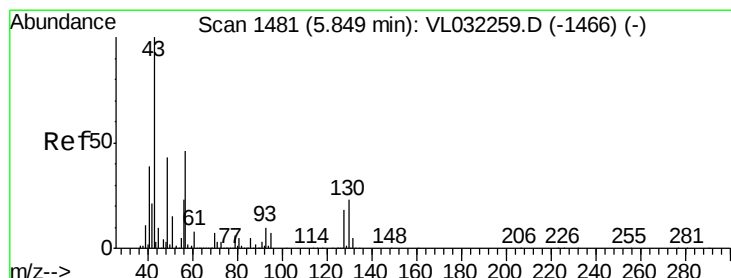
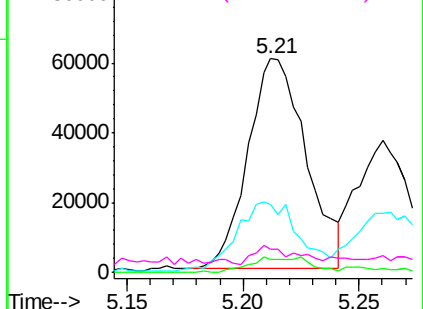


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 6.205 ppbv

RT: 5.85 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Tgt Ion: 43 Resp: 2225087

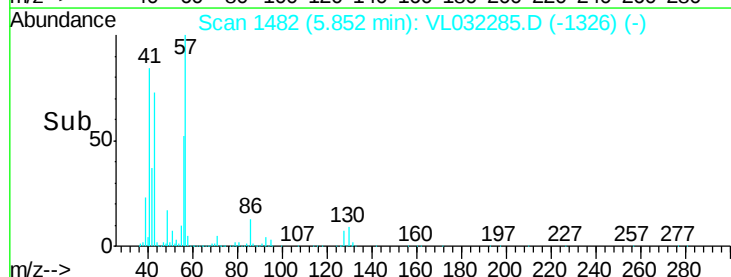
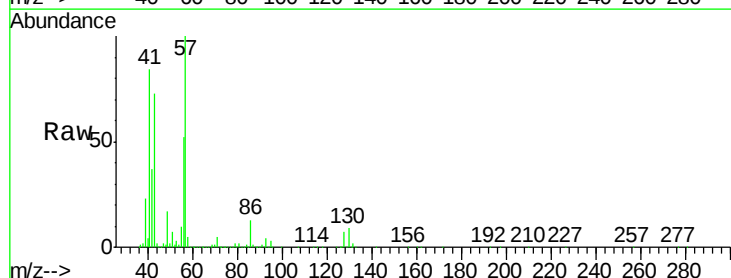
Ion Ratio Lower Upper

43 100

45 0.9 7.9 11.9#

61 0.5 7.6 11.4#

70 1.5 5.8 8.8#

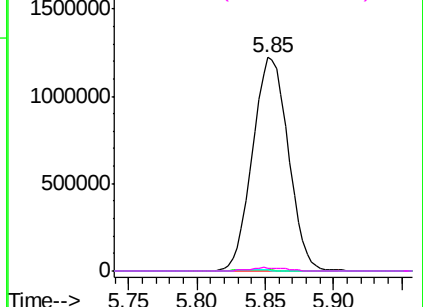


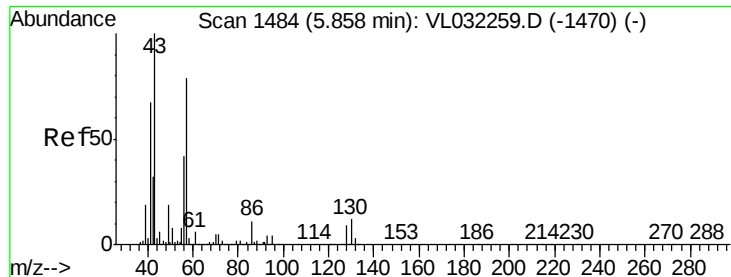
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



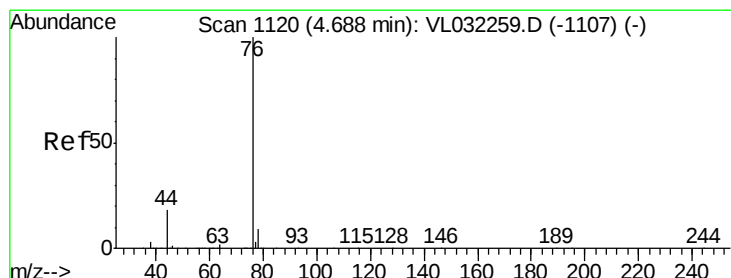
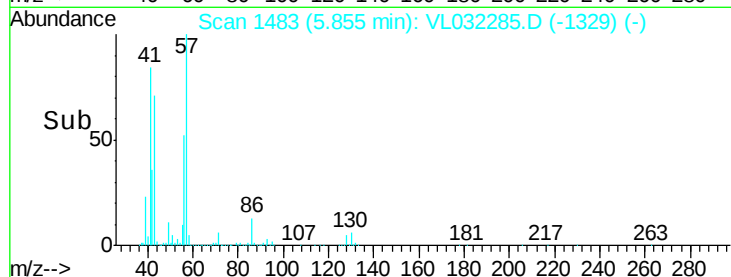
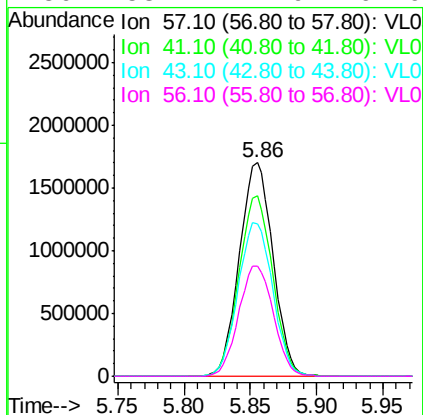
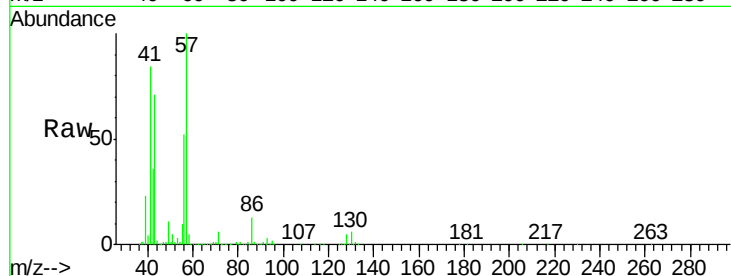


#26
Hexane
Concen: 18.248 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 3005378

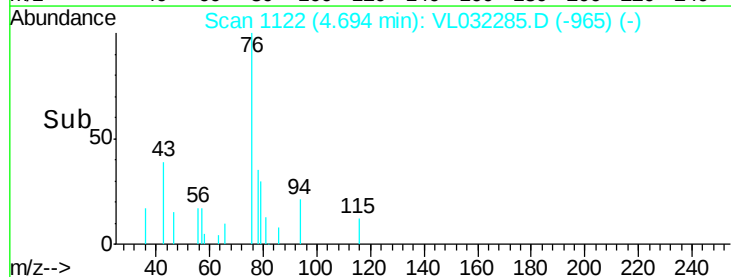
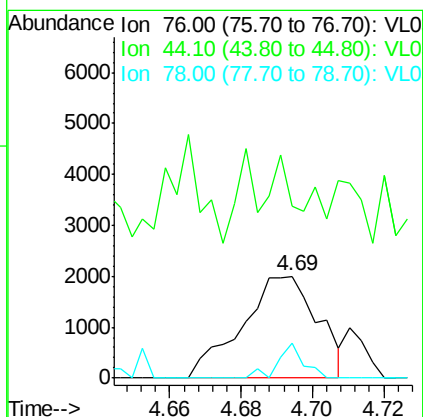
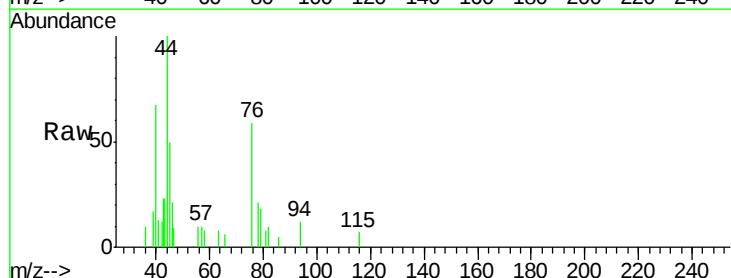
Ion	Ratio	Lower	Upper
57	100		
41	85.2	67.9	101.9
43	74.2	175.9	263.9#
56	53.4	41.9	62.9

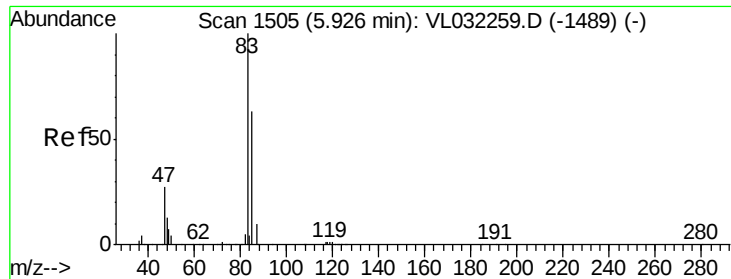


#27
Carbon Disulfide
Concen: 0.020 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Tgt Ion: 76 Resp: 2940

Ion	Ratio	Lower	Upper
76	100		
44	42.4	14.3	21.5#
78	11.3	7.4	11.0#

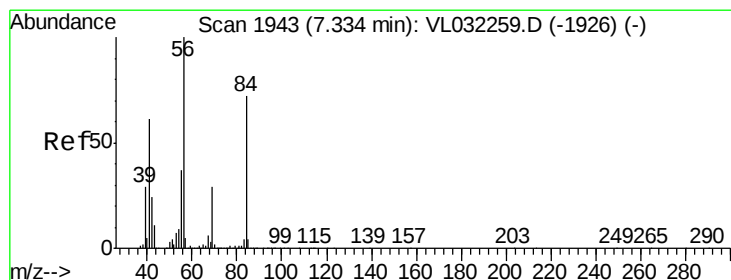
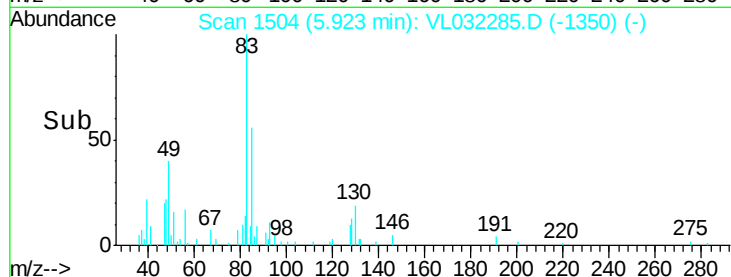
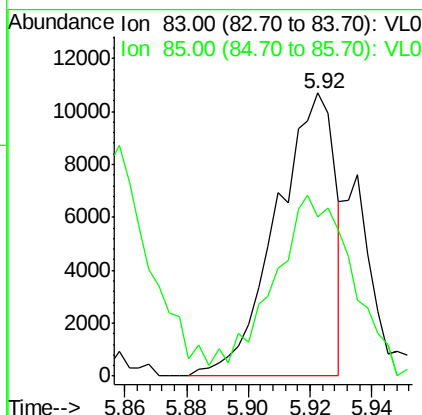
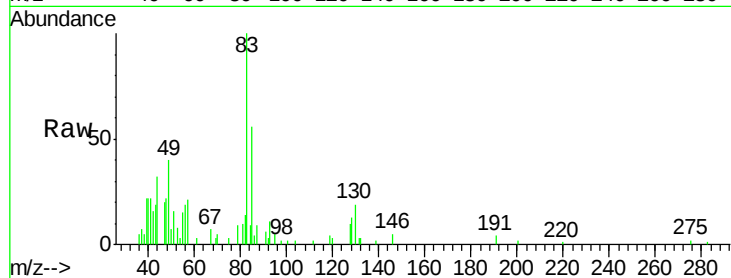




#29
Chloroform
Concen: 0.058 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

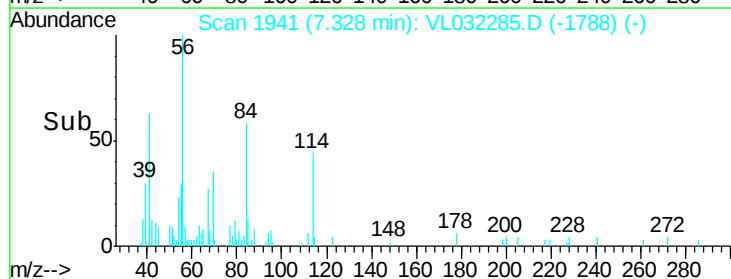
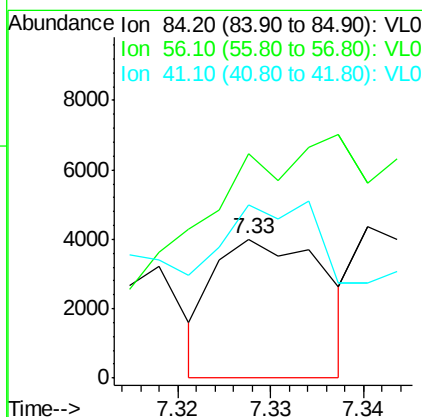
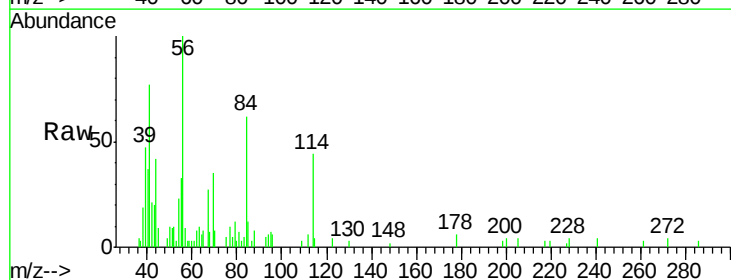
Instrument :
MSVOA_L
ClientSampleId :

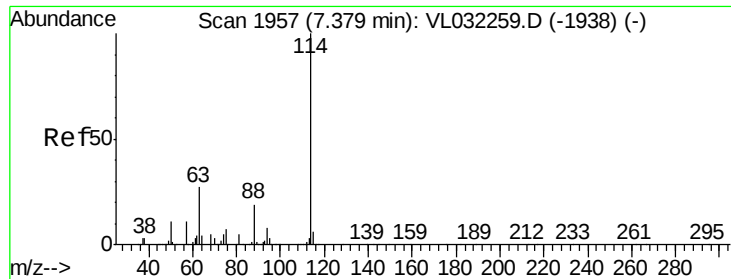
Tot Ion: 83 Resp: 14061
Ion Ratio Lower Upper
83 100
85 50.1 50.7 76.1#



#30
Cyclohexane
Concen: 0.024 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Tgt Ion: 84 Resp: 3329
Ion Ratio Lower Upper
84 100
56 0.0 115.6 173.4#
41 0.0 68.7 103.1#



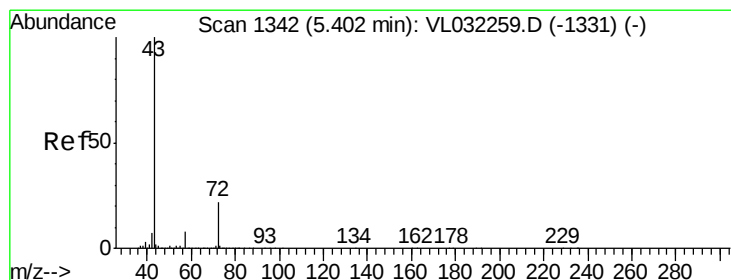
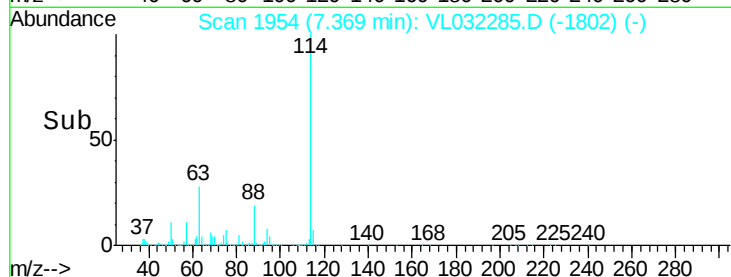
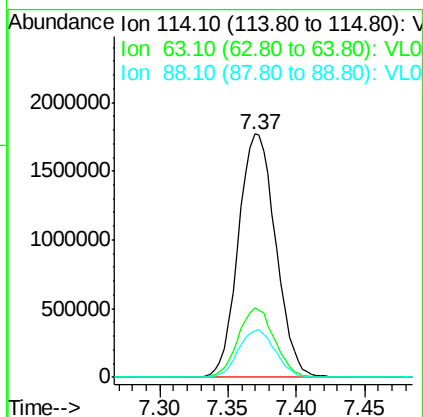
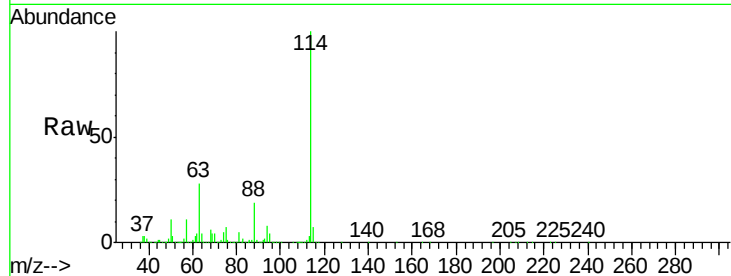


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3367343

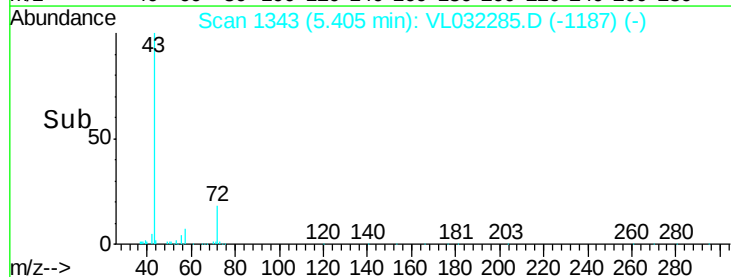
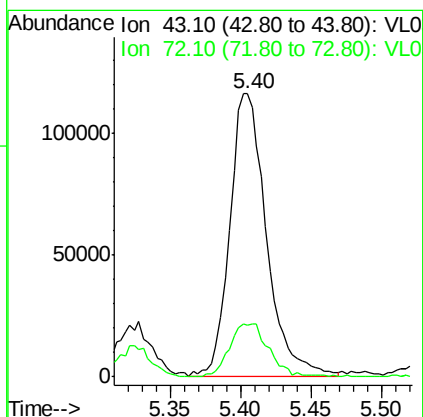
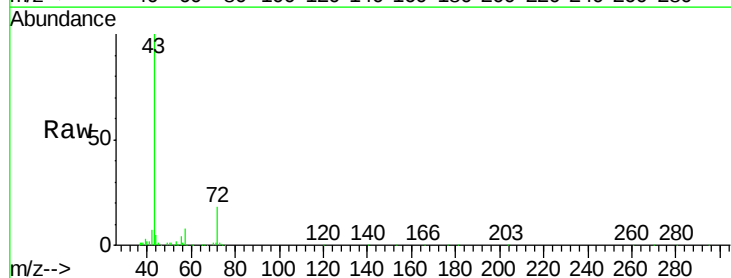
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.6	33.8
88	19.3	15.2	22.8

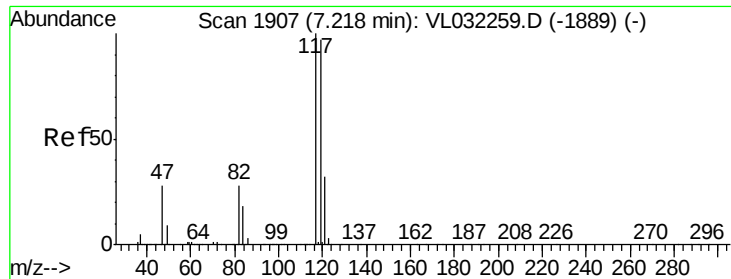


#34
 2-Butanone
 Concen: 0.920 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion: 43 Resp: 212527

Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.7	26.5

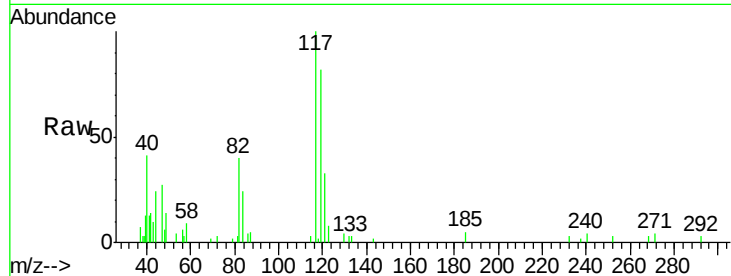




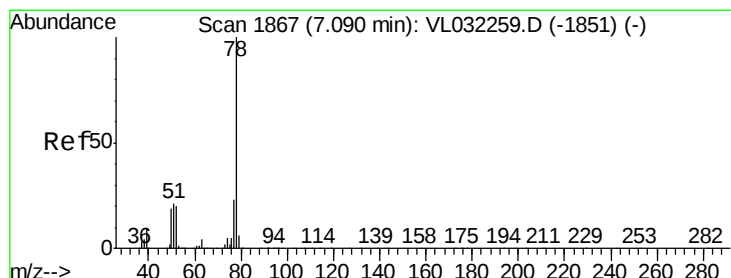
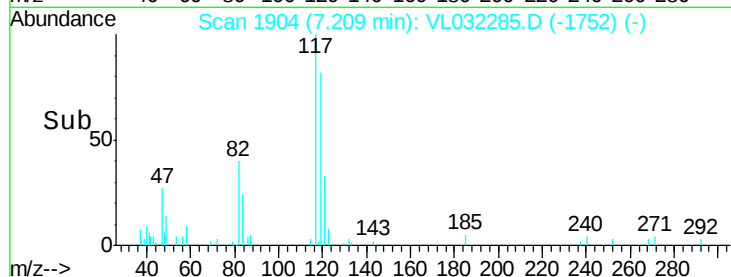
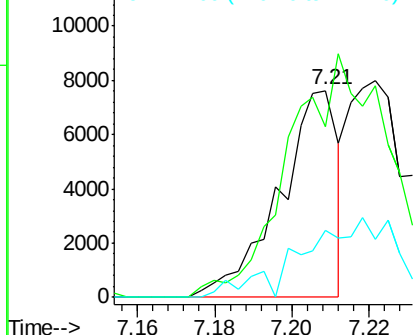
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 8007
Ion Ratio Lower Upper
117 100
119 82.3 77.4 116.0
121 32.6 25.4 38.2

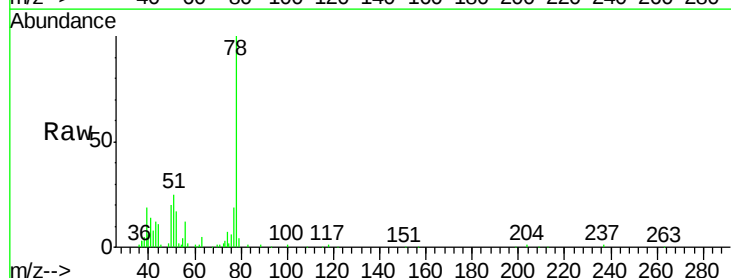


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

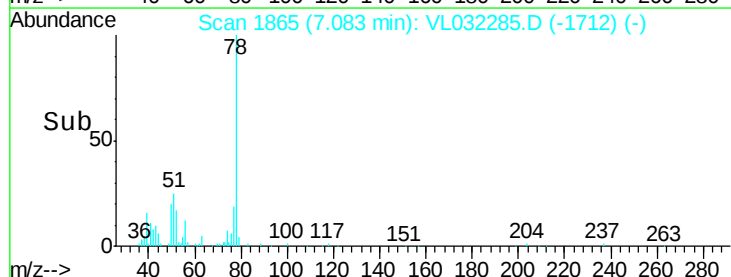
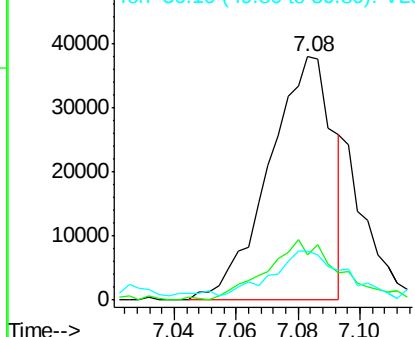


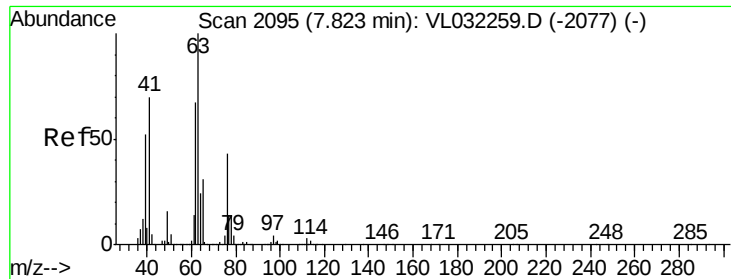
#36
Benzene
Concen: 0.163 ppbv
RT: 7.08 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Tgt Ion: 78 Resp: 54017
Ion Ratio Lower Upper
78 100
77 17.6 18.6 27.8#
50 17.7 15.0 22.6



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

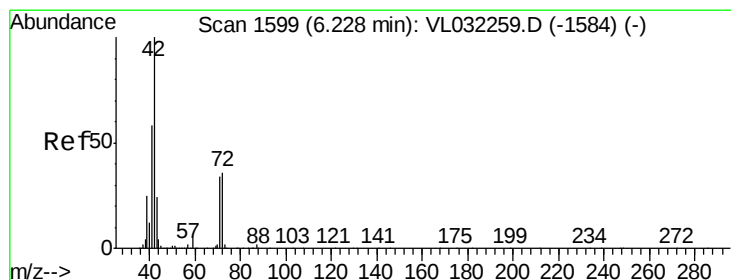
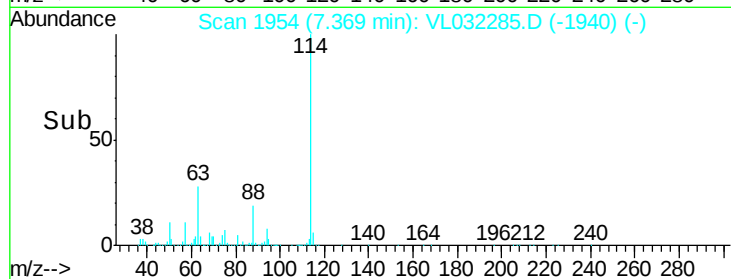
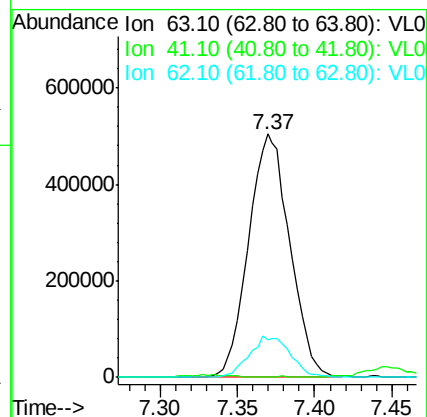
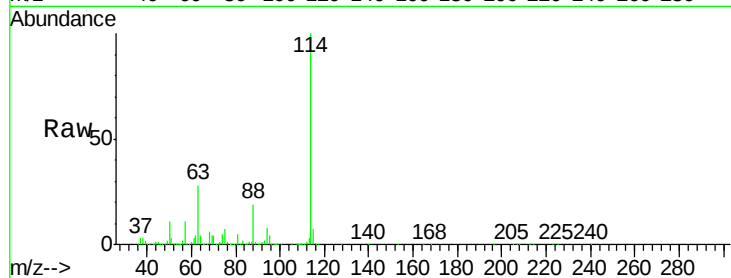




#39
 1,2-Dichloropropane
 Concen: 7.109 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.45 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

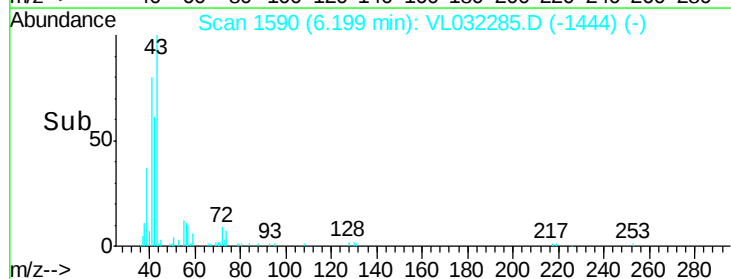
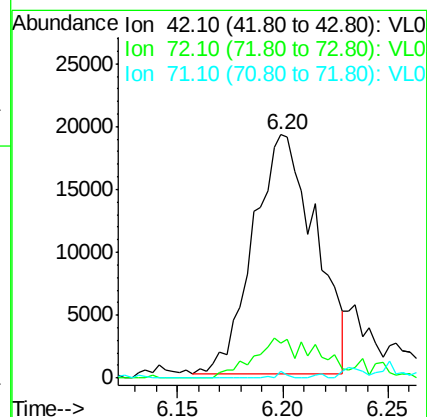
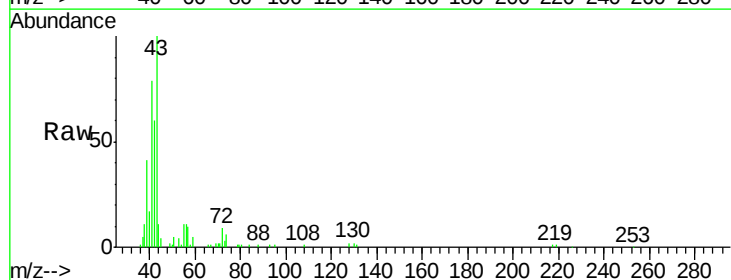
Instrument :
 MSVOA_L
 ClientSampleId :

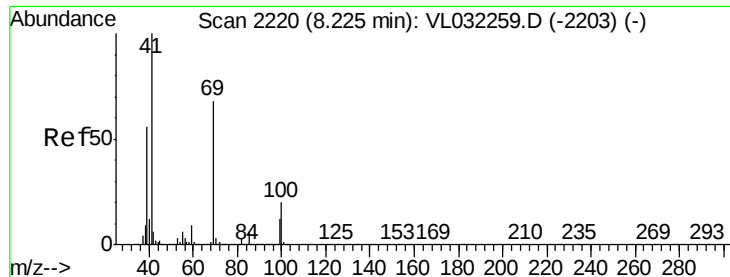
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.8	83.6#
62	15.3	53.8	80.8#



#41
 Tetrahydrofuran
 Concen: 0.289 ppbv
 RT: 6.20 min Scan# 1590
 Delta R.T. -0.03 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
42	100		
72	21.1	29.4	44.0#
71	0.0	28.2	42.4#

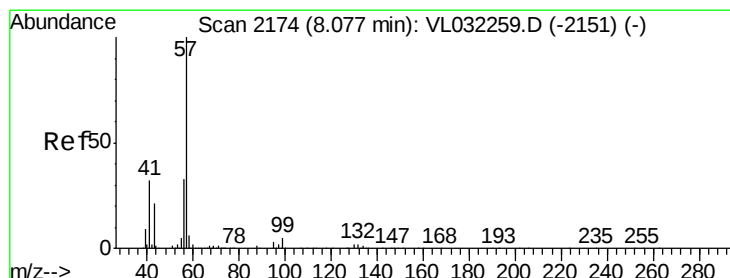
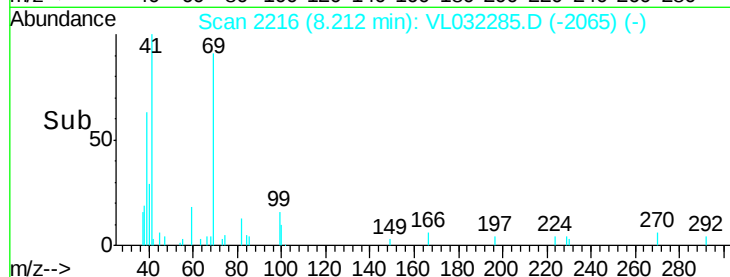
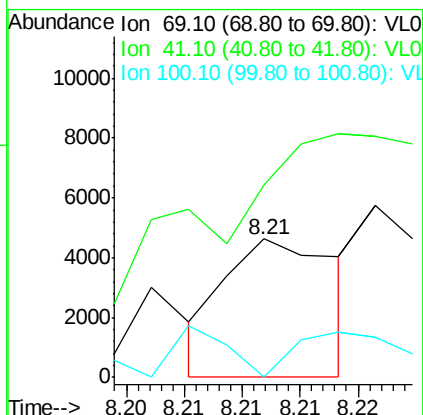
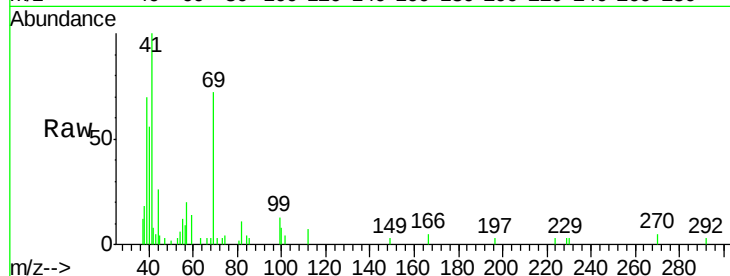




#43
Methvl Methacrylate
Concen: 0.023 ppbv
RT: 8.21 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

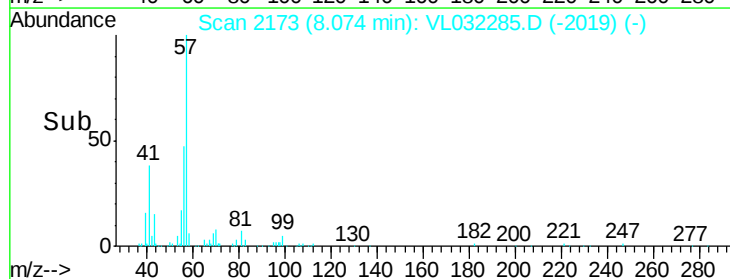
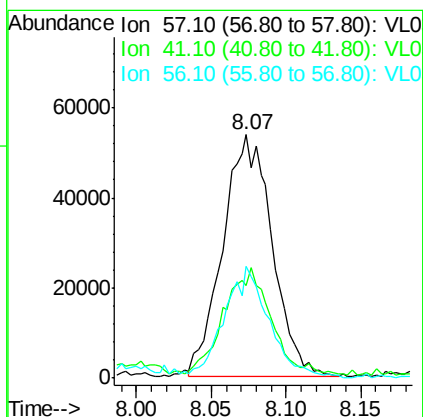
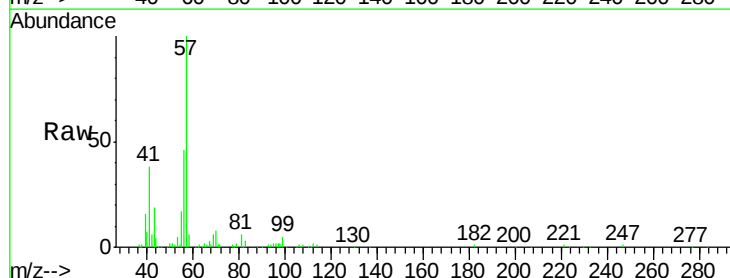
Instrument :
MSVOA_L
ClientSampleId :

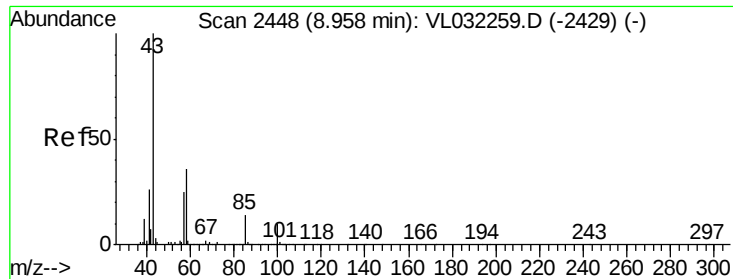
Tot Ion: 69 Resp: 3125
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8#
100 0.0 23.3 34.9#



#44
2,2,4-Trimethylpentane
Concen: 0.212 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Tgt Ion: 57 Resp: 122638
Ion Ratio Lower Upper
57 100
41 42.3 24.4 36.6#
56 41.6 25.7 38.5#

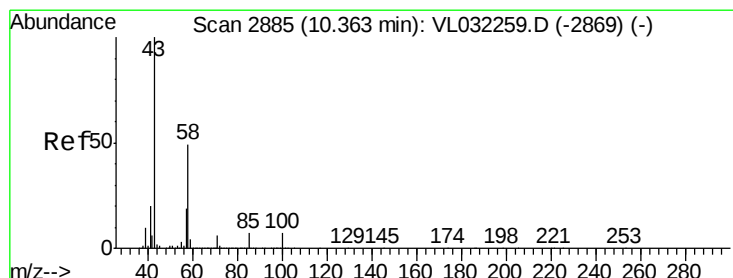
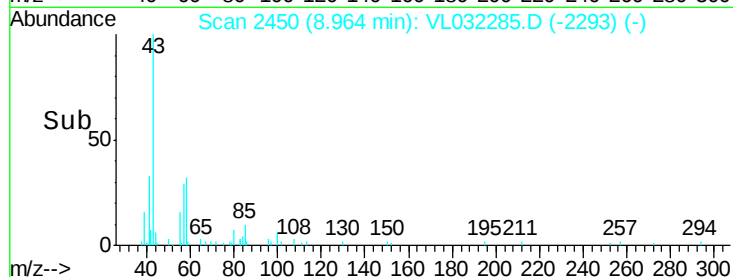
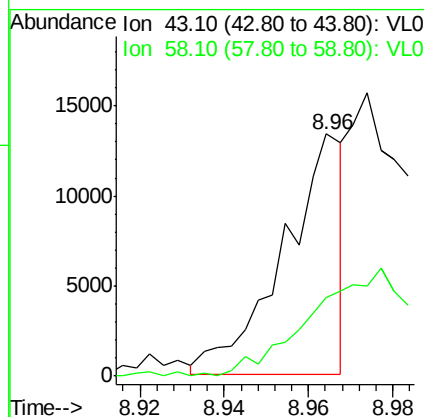
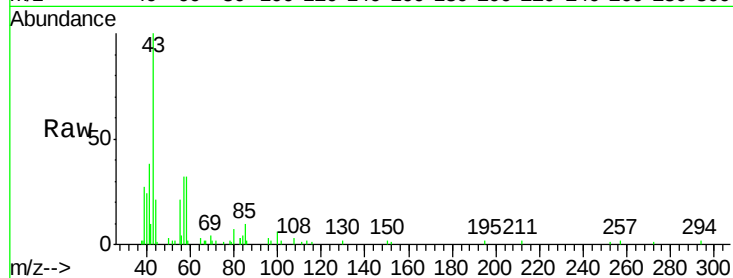




#50
 4-Methyl-2-Pentanone
 Concen: 0.035 ppbv
 RT: 8.96 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

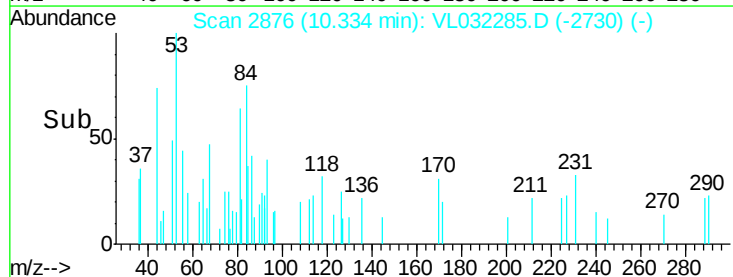
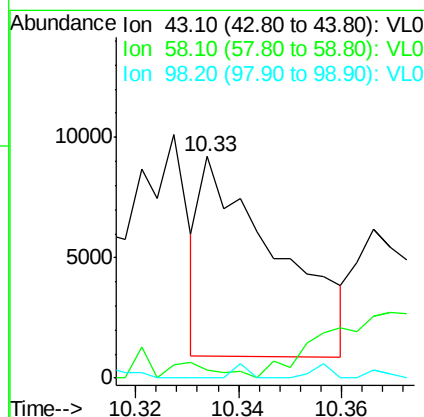
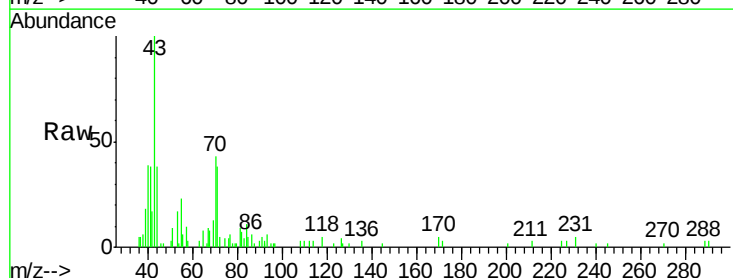
Instrument :
 MSVOA_L
 ClientSampleId :

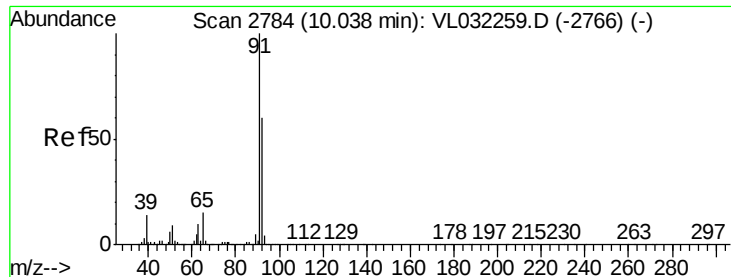
Tot Ion: 43 Resp: 13177
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.2 43.8#



#51
 2-Hexanone
 Concen: 0.029 ppbv
 RT: 10.33 min Scan# 2876
 Delta R.T. -0.03 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion: 43 Resp: 8509
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.4 59.2#
 98 3.1 0.2 0.2#





#53

Toluene

Concen: 1.265 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

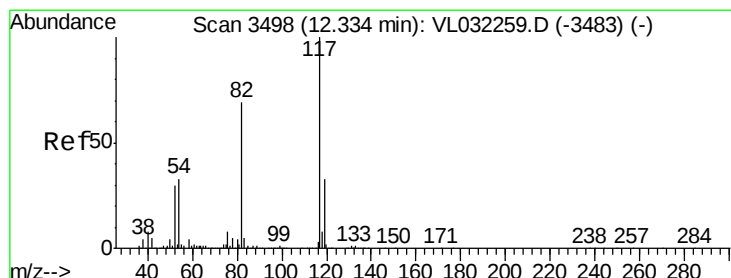
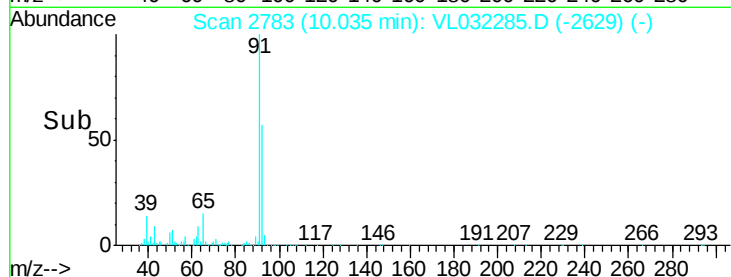
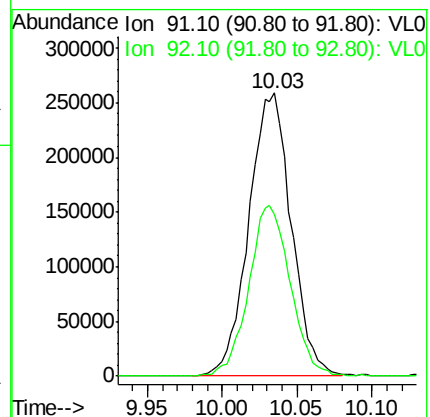
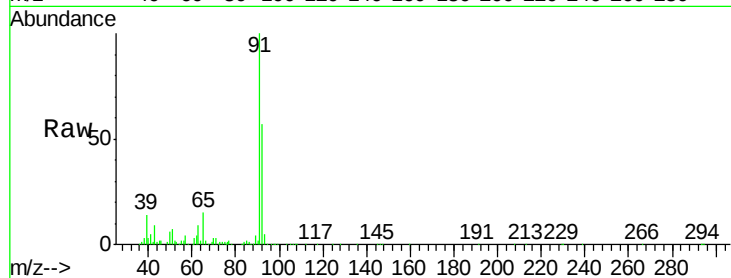
ClientSampled :

Tot Ion: 91 Resp: 508440

Ion Ratio Lower Upper

91 100

92 59.4 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.32 min Scan# 3495

Delta R.T. -0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

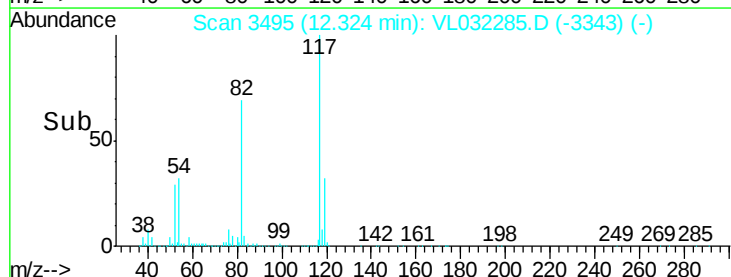
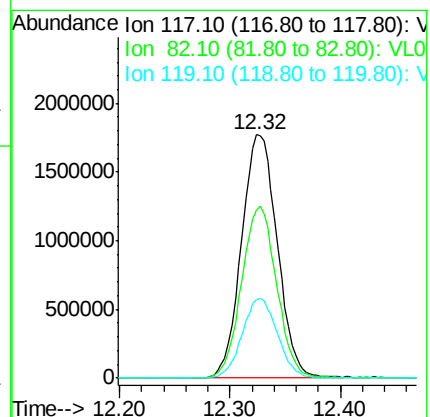
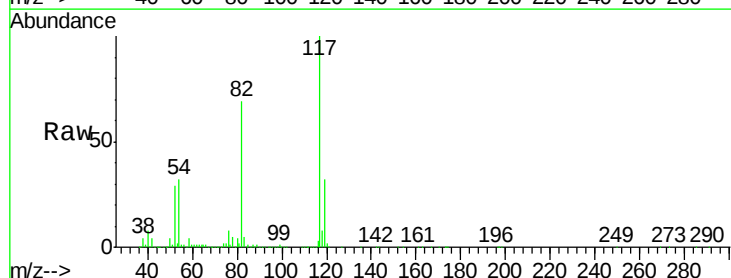
Tgt Ion: 117 Resp: 3977753

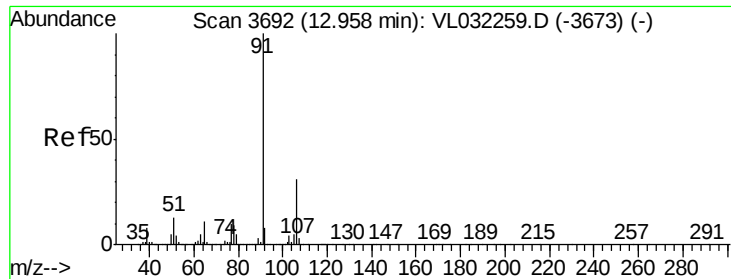
Ion Ratio Lower Upper

117 100

82 69.3 53.9 80.9

119 32.5 25.5 38.3





#58

Ethyl Benzene

Concen: 0.382 ppbv

RT: 12.95 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

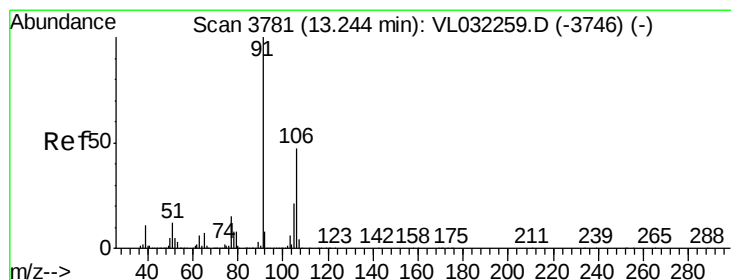
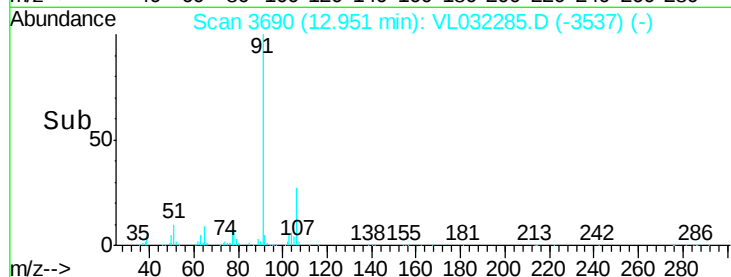
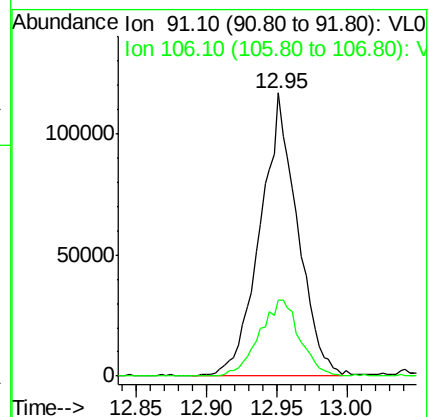
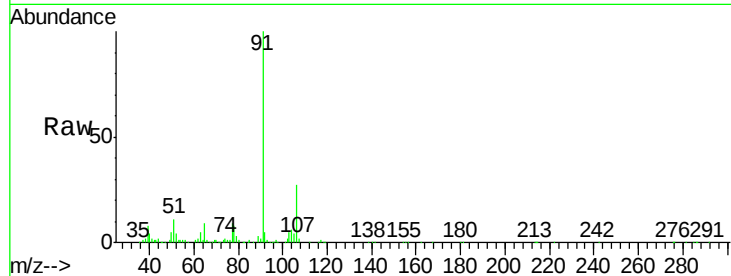
ClientSampled :

Tot Ion: 91 Resp: 214313

Ion Ratio Lower Upper

91 100

106 26.9 24.5 36.7



#59

m/p-Xylene

Concen: 2.100 ppbv

RT: 13.21 min Scan# 3770

Delta R.T. -0.04 min

Lab File: VL032285.D

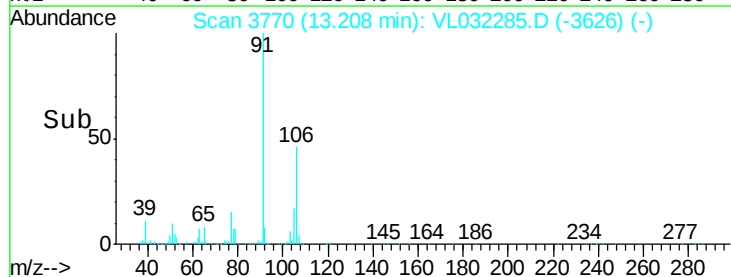
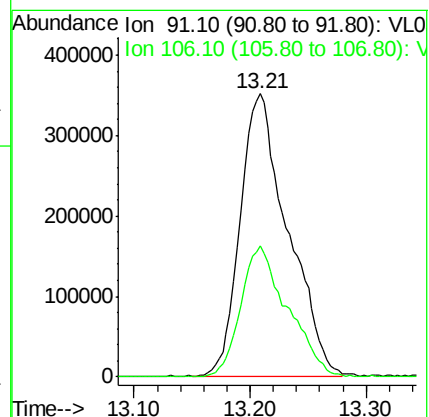
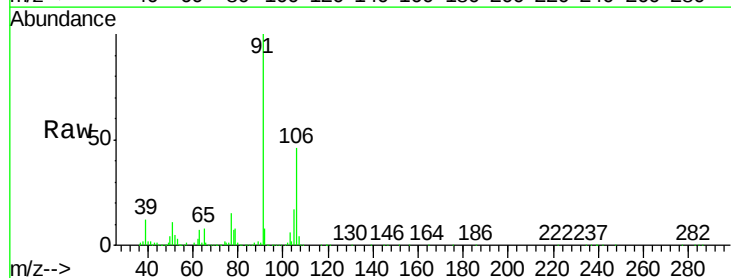
Acq: 19 Jul 2018 7:04

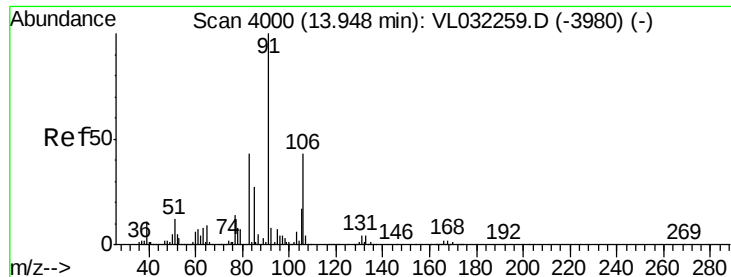
Tgt Ion: 91 Resp: 1004004

Ion Ratio Lower Upper

91 100

106 45.8 36.2 54.2

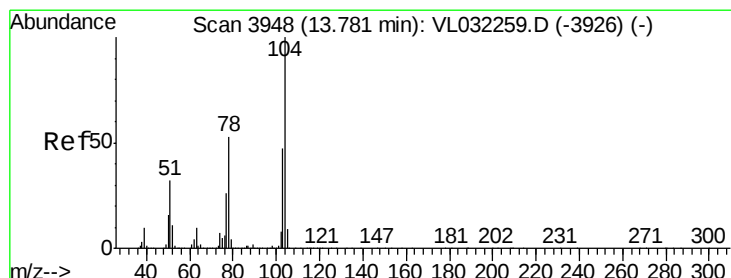
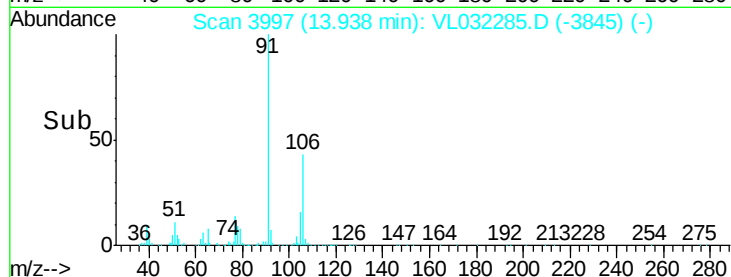
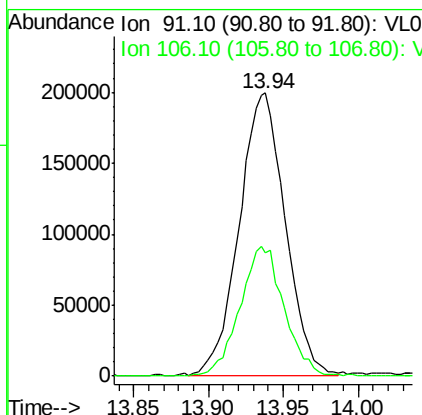
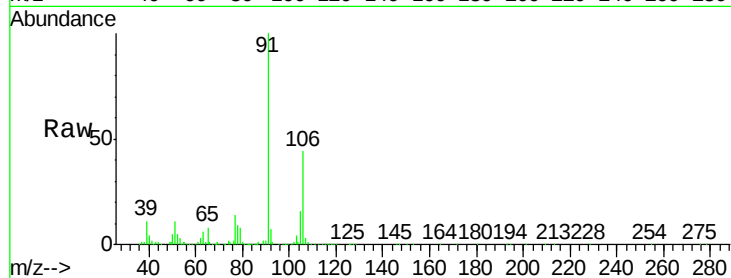




#60
o-Xylene
Concen: 0.890 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

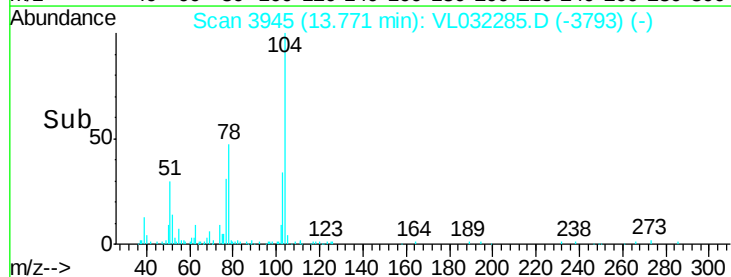
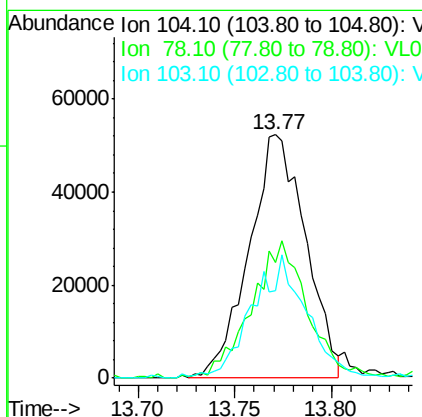
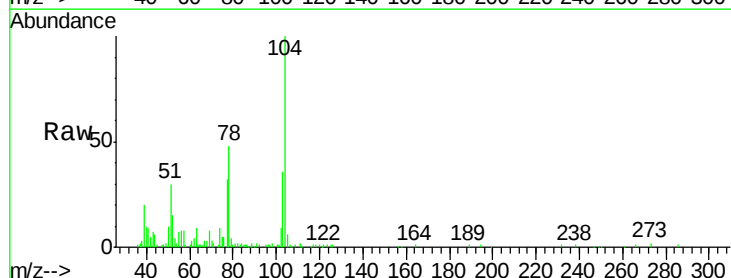
Instrument :
MSVOA_L
ClientSampled :

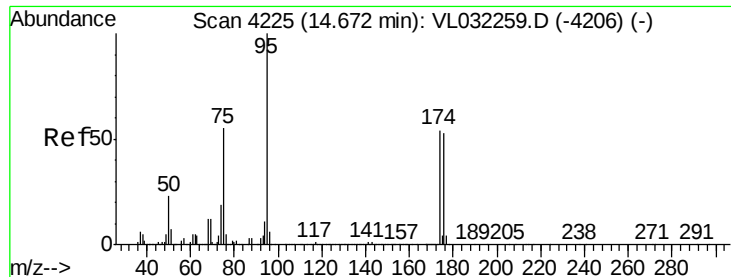
Tot Ion: 91 Resp: 423844
Ion Ratio Lower Upper
91 100
106 44.5 21.7 65.1



#61
Styrene
Concen: 0.301 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.01 min
Lab File: VL032285.D
Acq: 19 Jul 2018 7:04

Tgt Ion: 104 Resp: 106367
Ion Ratio Lower Upper
104 100
78 57.5 43.2 64.8
103 49.0 37.8 56.6



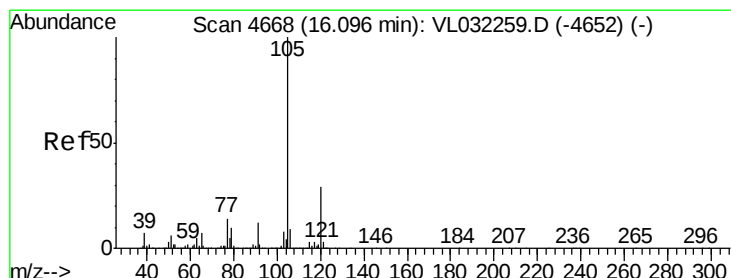
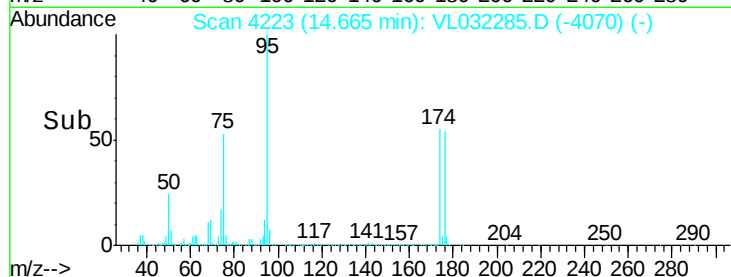
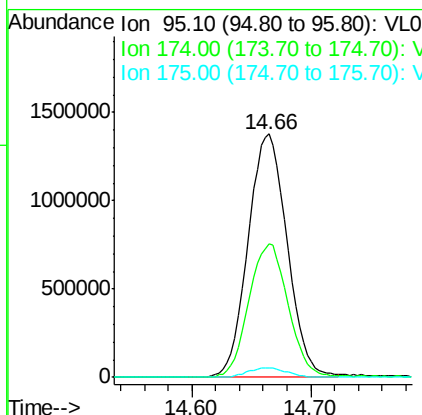
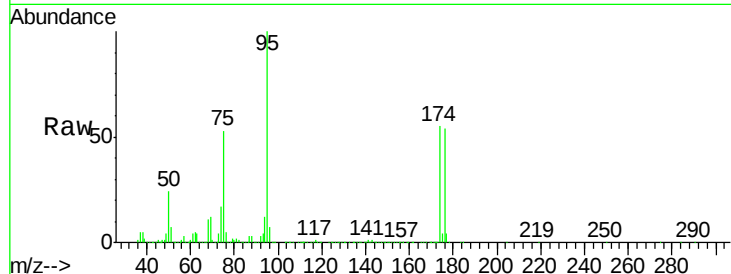


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.716 ppbv
 RT: 14.66 min Scan# 4223
 Delta R.T. -0.01 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 3133636

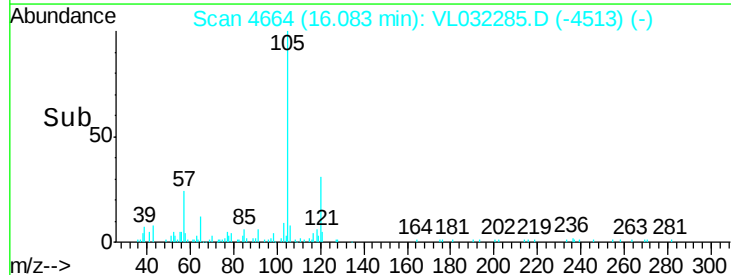
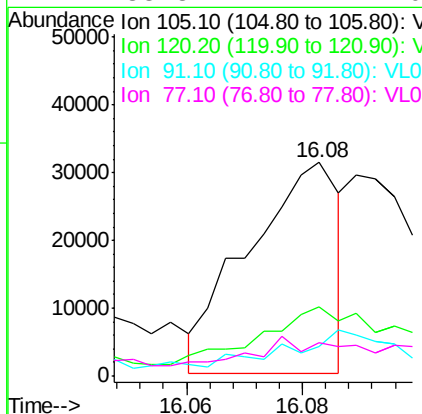
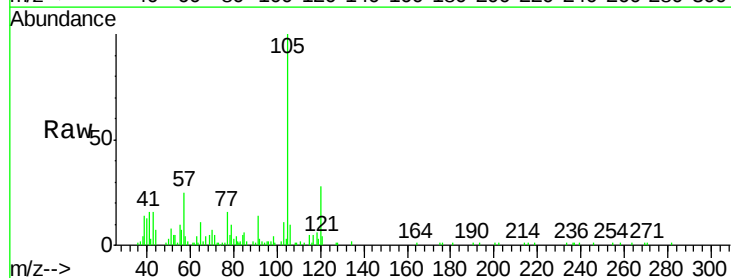
Ion	Ratio	Lower	Upper
95	100		
174	56.1	44.3	66.5
175	4.0	3.3	4.9

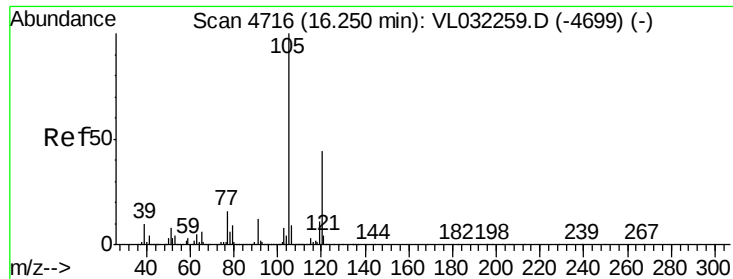


#72
 4-Ethyltoluene
 Concen: 0.062 ppbv
 RT: 16.08 min Scan# 4664
 Delta R.T. -0.01 min
 Lab File: VL032285.D
 Acq: 19 Jul 2018 7:04

Tgt Ion: 105 Resp: 33930

Ion	Ratio	Lower	Upper
105	100		
120	59.6	23.0	34.6#
91	0.0	10.1	15.1#
77	38.8	11.4	17.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.057 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Instrument :

MSVOA_L

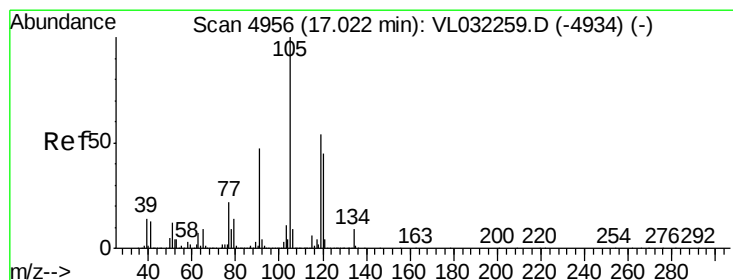
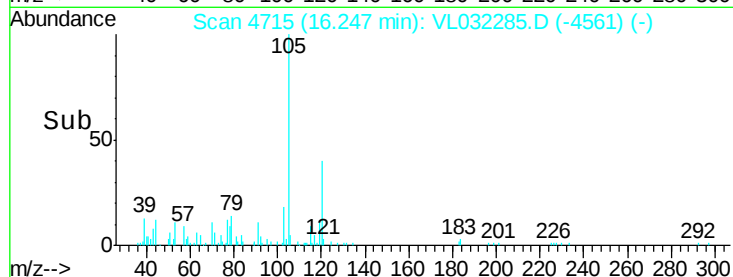
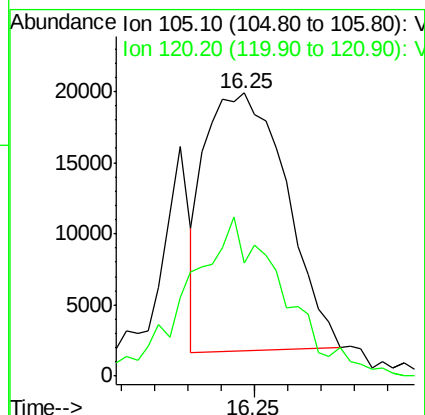
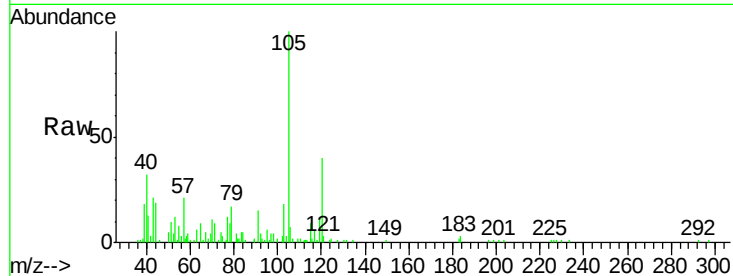
ClientSampleId :

Tot Ion:105 Resp: 30748

Ion Ratio Lower Upper

105 100

120 33.0 35.5 53.3#



#74

1,2,4-Trimethylbenzene

Concen: 0.287 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. -0.01 min

Lab File: VL032285.D

Acq: 19 Jul 2018 7:04

Tgt Ion:105 Resp: 161387

Ion Ratio Lower Upper

105 100

120 39.7 35.8 53.6

91 13.3 38.2 57.4#

77 16.8 17.5 26.3#

