

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032270.D
 Acq On : 18 Jul 2018 21:09
 Operator : SY/AP
 Sample : J3454-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 01:59:22 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	5.84	49	1662087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3628899	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4013103	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3209817	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

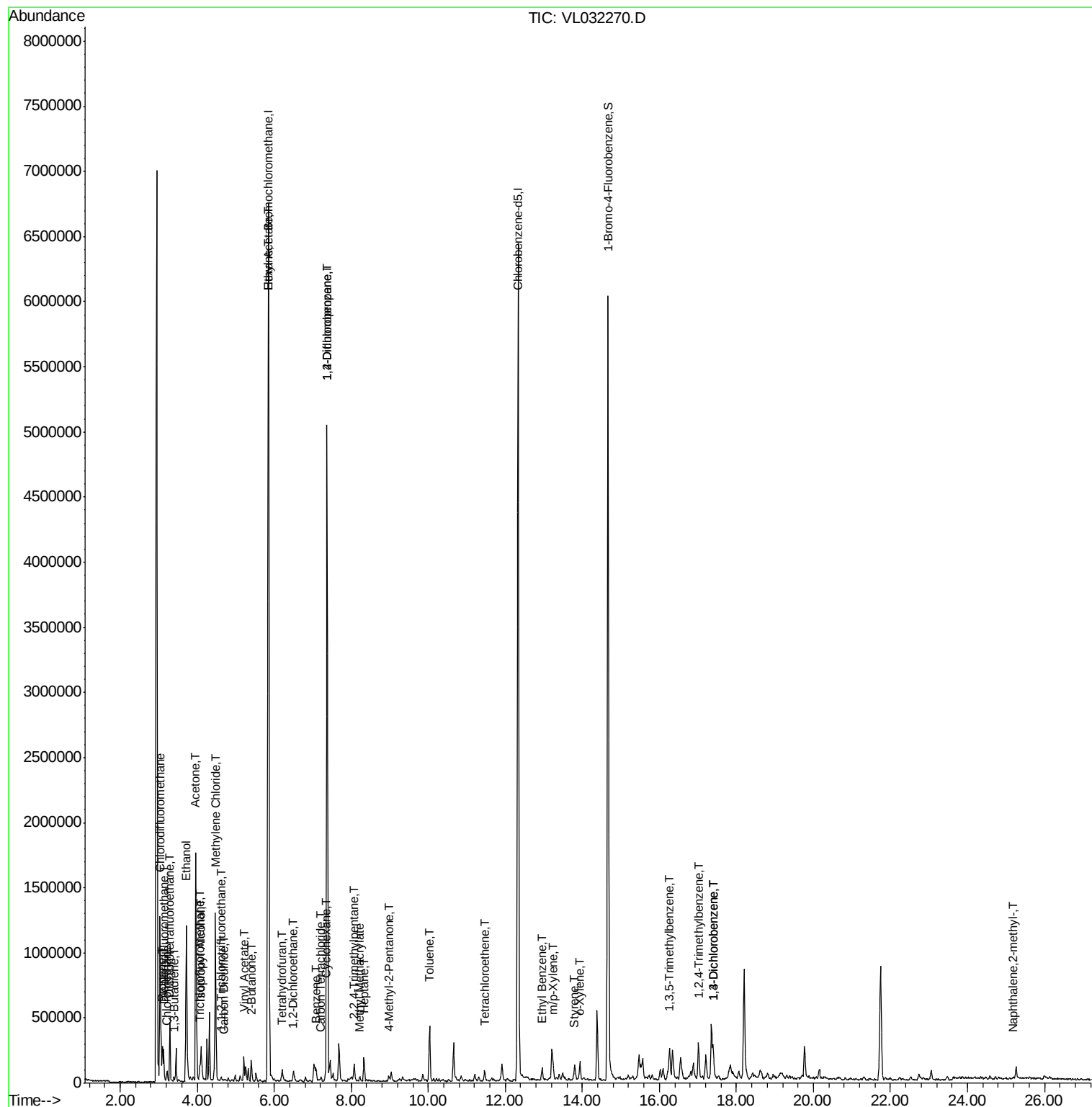
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	152004	0.538	ppbv	96
3) Chlorodifluoromethane	3.04	51	1017624	5.456	ppbv #	69
4) Chloromethane	3.22	50	58885	0.536	ppbv	95
8) Dichlorotetrafluoroethane	3.27	85	4929	0.021	ppbv	88
9) Propene	3.10	41	51849	0.636	ppbv #	74
10) Heptane	8.33	43	70617	0.273	ppbv	97
11) Trichlorofluoromethane	4.07	101	62631	0.283	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.62	101	11247	0.080	ppbv	96
13) Ethanol	3.72	45	1435235	61.620	ppbv	97
15) Acetone	3.96	43	1770416	10.177	ppbv	97
16) 1,3-Butadiene	3.40	39	11255	0.127	ppbv #	38
19) Isopropyl Alcohol	4.10	45	317945	2.702	ppbv #	1
20) Methylene Chloride	4.47	84	445075	6.646	ppbv	96
23) Vinyl Acetate	5.22	43	110175	0.353	ppbv #	75
25) Ethyl Acetate	5.85	43	1744880	4.605	ppbv #	78
26) Hexane	5.85	57	2385705	13.710	ppbv #	44
27) Carbon Disulfide	4.69	76	3636	0.024	ppbv #	58
30) Cyclohexane	7.34	84	11086	0.076	ppbv #	1
34) 2-Butanone	5.40	43	193495	0.777	ppbv	98
35) Carbon Tetrachloride	7.22	117	18813	0.075	ppbv #	84
36) Benzene	7.09	78	64862	0.182	ppbv #	91
37) 1,2-Dichloroethane	6.49	62	4381	0.021	ppbv #	82
39) 1,2-Dichloropropane	7.37	63	1011100	7.150	ppbv #	25
41) Tetrahydrofuran	6.20	42	14096	0.097	ppbv #	57
43) Methyl Methacrylate	8.22	69	4979	0.034	ppbv #	1
44) 2,2,4-Trimethylpentane	8.08	57	95560	0.153	ppbv #	75
50) 4-Methyl-2-Pentanone	8.97	43	9987	0.024	ppbv #	38
52) Tetrachloroethene	11.46	164	7129	0.058	ppbv #	43
53) Toluene	10.03	91	271804	0.628	ppbv	98
58) Ethyl Benzene	12.95	91	72784	0.129	ppbv	92
59) m/p-Xylene	13.24	91	52787	0.109	ppbv #	31
60) o-Xylene	13.94	91	104390	0.217	ppbv	97
61) Styrene	13.77	104	12276	0.034	ppbv #	37
73) 1,3,5-Trimethylbenzene	16.24	105	33519	0.062	ppbv #	86
74) 1,2,4-Trimethylbenzene	17.02	105	176932	0.311	ppbv #	71
75) 1,3-Dichlorobenzene	17.40	146	117642	0.373	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	117642	0.376	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	6080	0.030	ppbv #	79

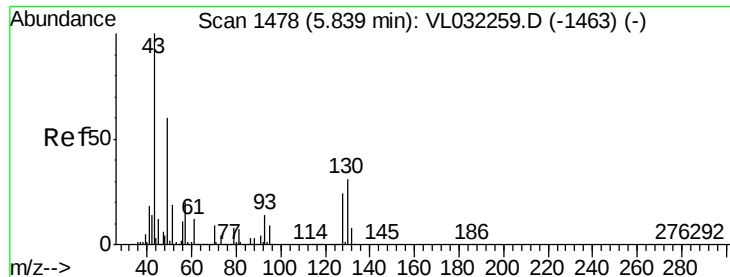
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

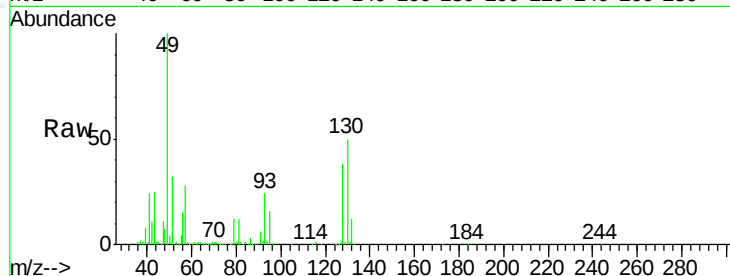
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1662087

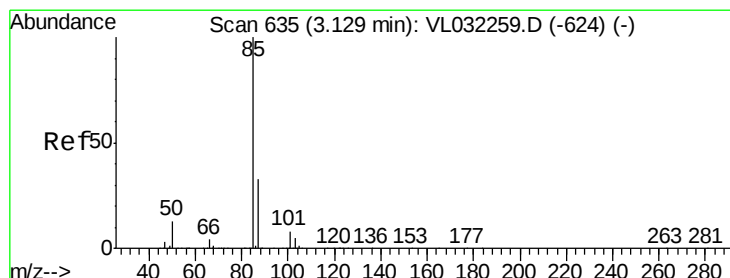
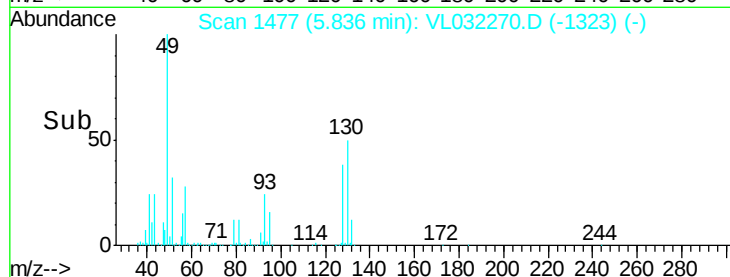
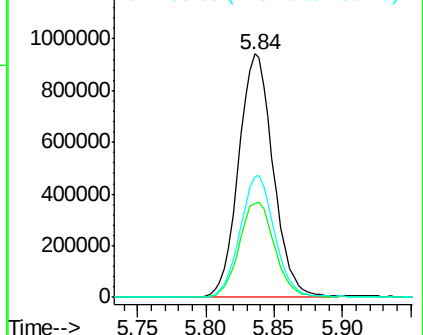
Ion	Ratio	Lower	Upper
49	100		
128	40.1	20.1	60.2
130	50.3	25.9	77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.538 ppbv

RT: 3.13 min Scan# 635

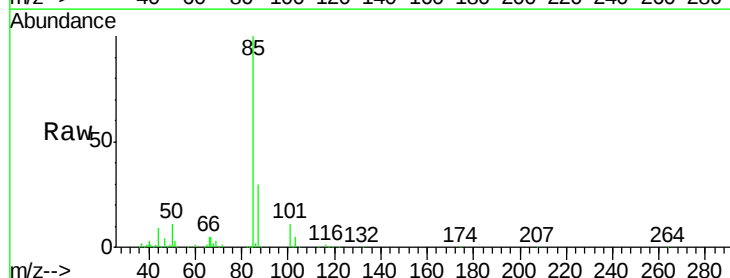
Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

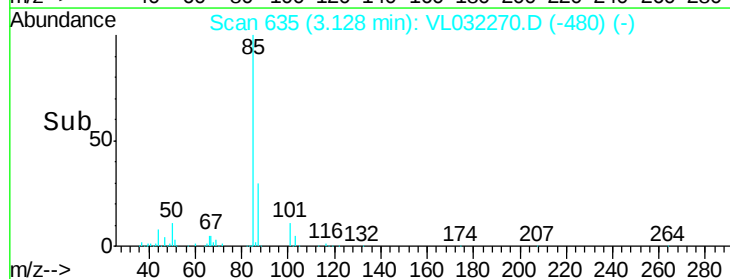
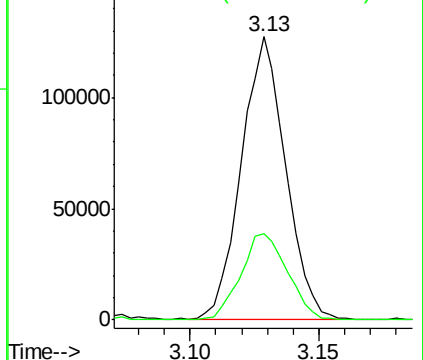
Tgt Ion: 85 Resp: 152004

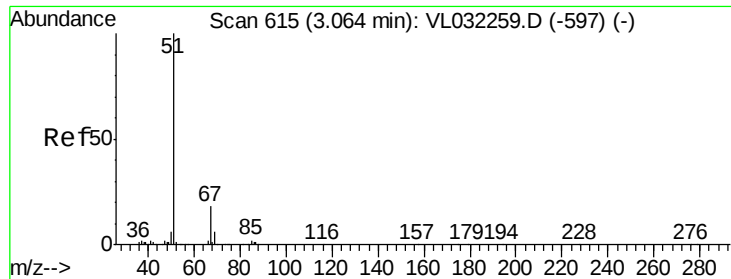
Ion	Ratio	Lower	Upper
85	100		
87	30.3	26.2	39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 5.456 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.03 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

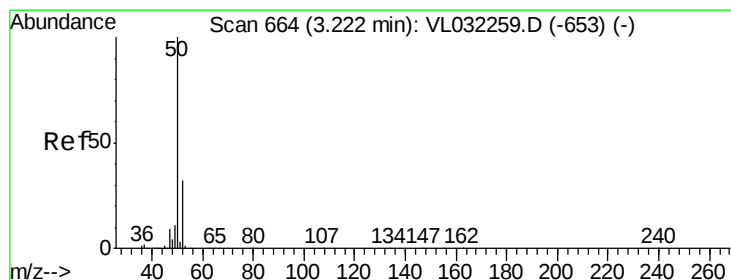
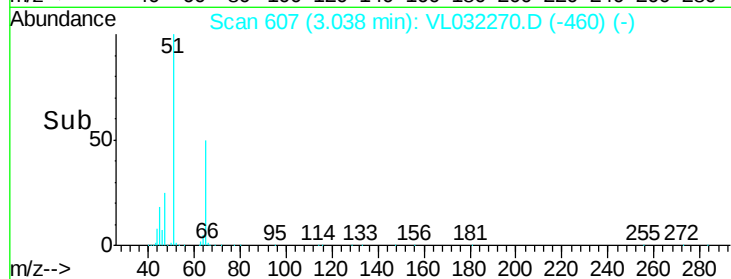
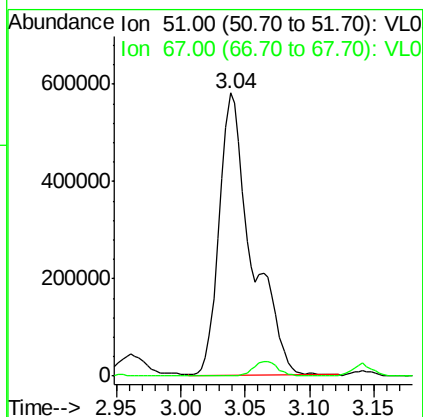
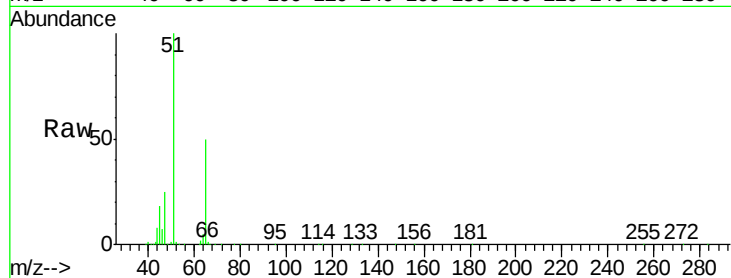
ClientSampleId :

Tot Ion: 51 Resp: 1017624

Ion Ratio Lower Upper

51 100

67 4.2 14.2 21.4#



#4

Chloromethane

Concen: 0.536 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032270.D

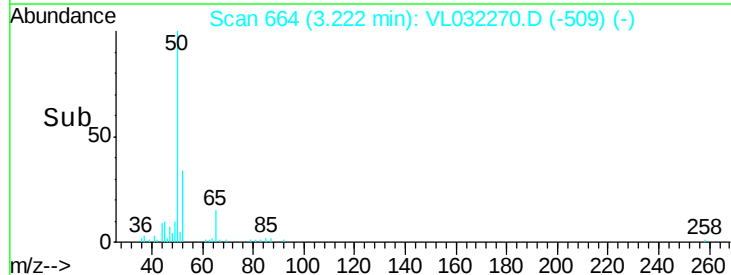
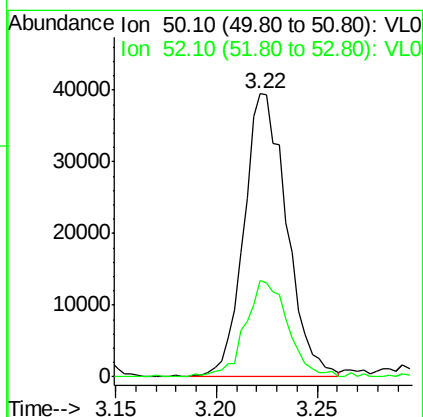
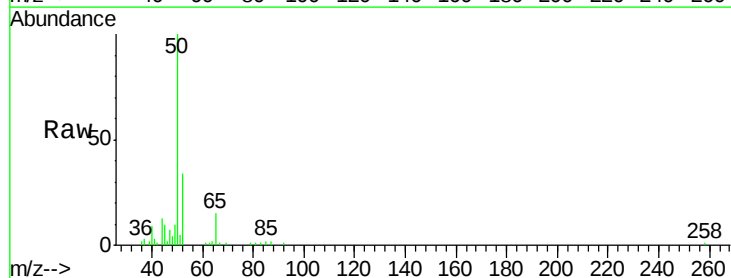
Acq: 18 Jul 2018 21:09

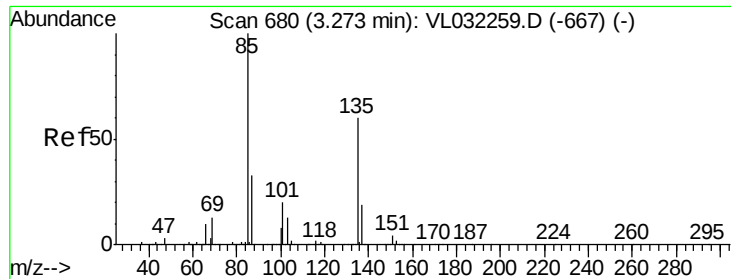
Tgt Ion: 50 Resp: 58885

Ion Ratio Lower Upper

50 100

52 34.2 25.3 37.9





#8

Dichlorotetrafluoroethane

Concen: 0.021 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

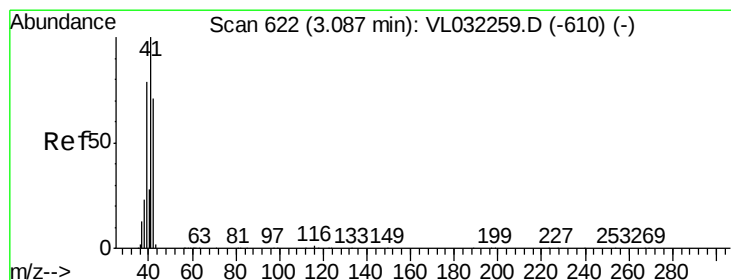
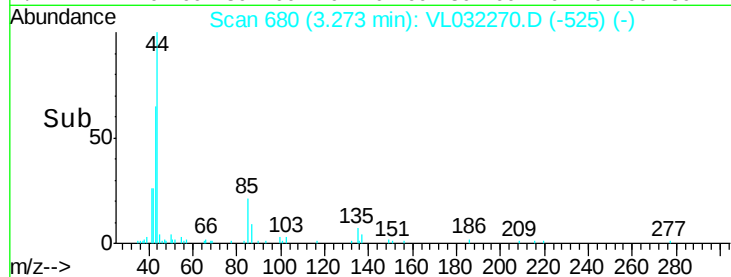
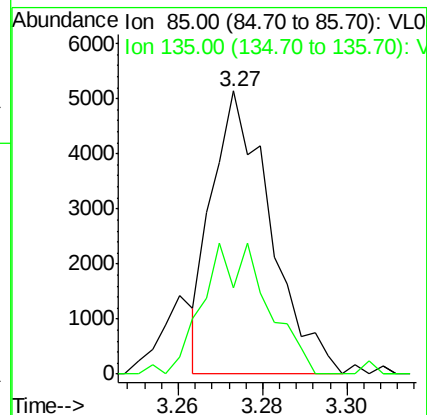
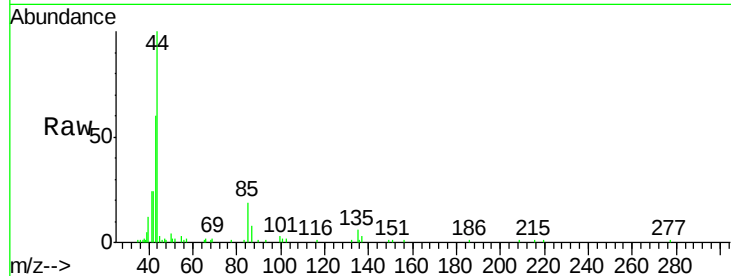
ClientSampleId :

Tot Ion: 85 Resp: 4929

Ion Ratio Lower Upper

85 100

135 50.7 47.8 71.8



#9

Propene

Concen: 0.636 ppbv

RT: 3.10 min Scan# 625

Delta R.T. 0.01 min

Lab File: VL032270.D

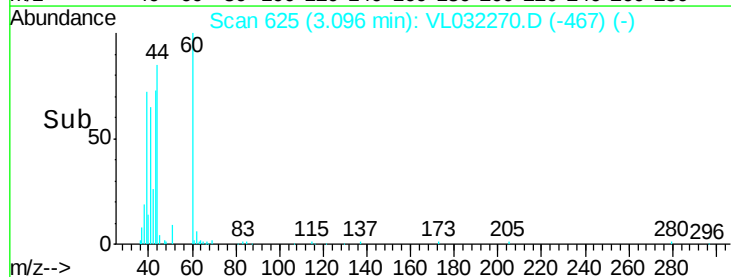
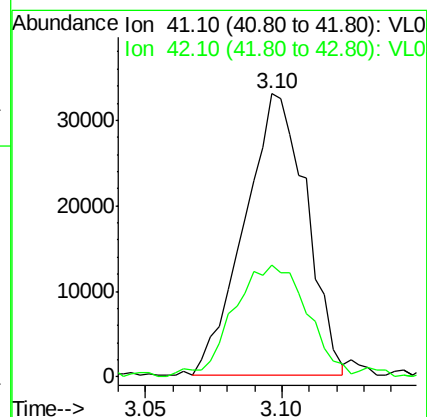
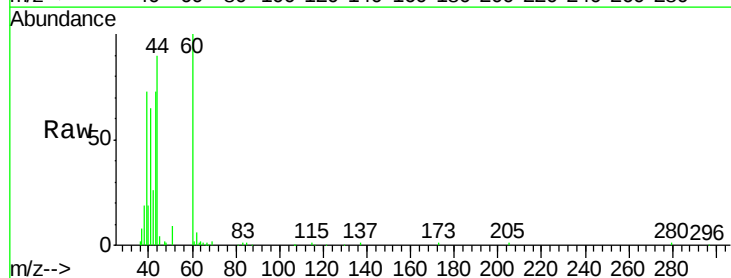
Acq: 18 Jul 2018 21:09

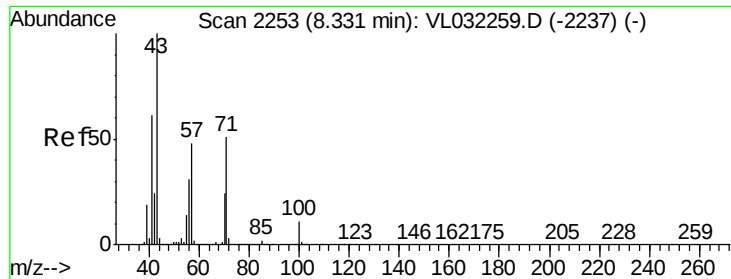
Tgt Ion: 41 Resp: 51849

Ion Ratio Lower Upper

41 100

42 48.7 56.2 84.4#





#10

Heptane

Concen: 0.273 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

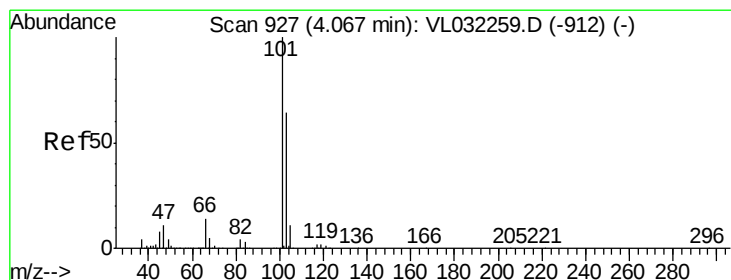
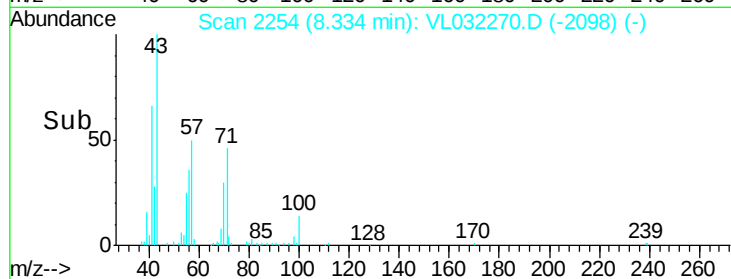
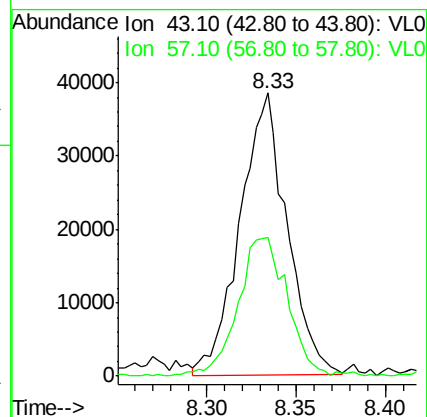
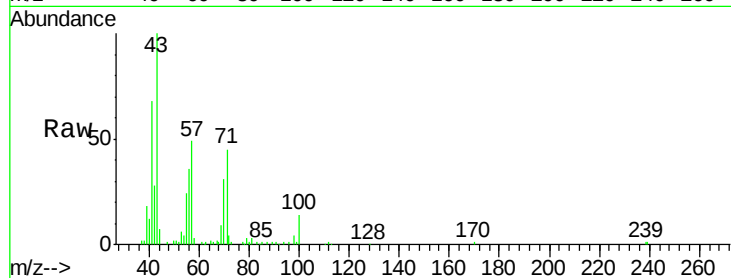
ClientSampled :

Tot Ion: 43 Resp: 70617

Ion Ratio Lower Upper

43 100

57 52.0 39.9 59.9



#11

Trichlorofluoromethane

Concen: 0.283 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL032270.D

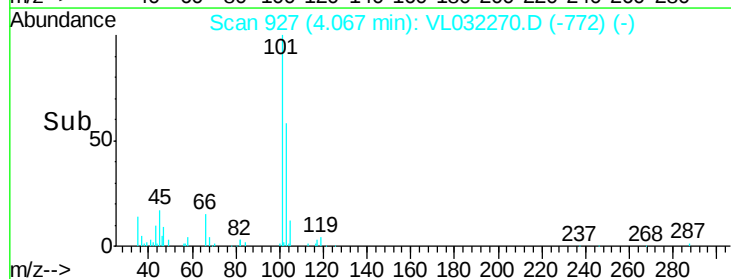
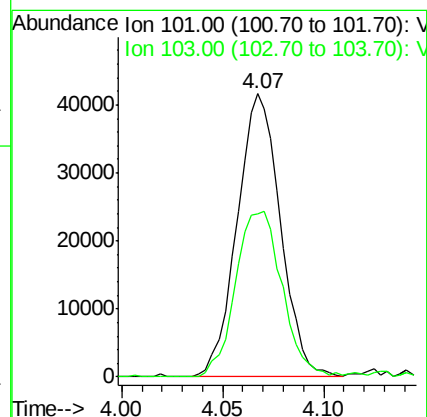
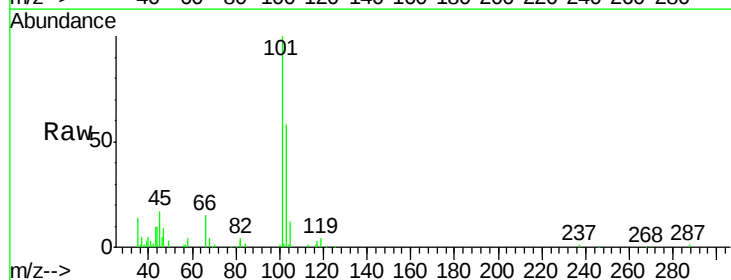
Acq: 18 Jul 2018 21:09

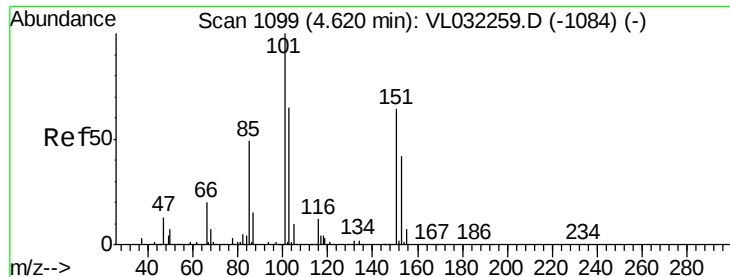
Tgt Ion: 101 Resp: 62631

Ion Ratio Lower Upper

101 100

103 57.8 51.5 77.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.080 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

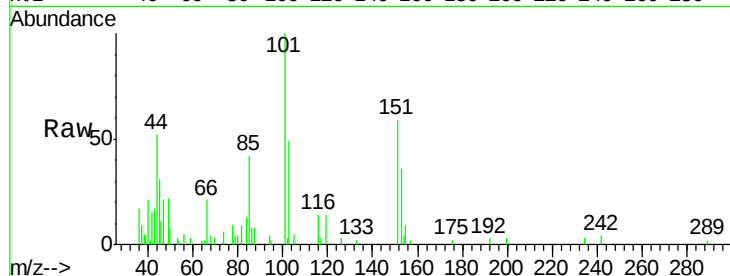
ClientSampled :

Tot Ion:101 Resp: 11247

Ion Ratio Lower Upper

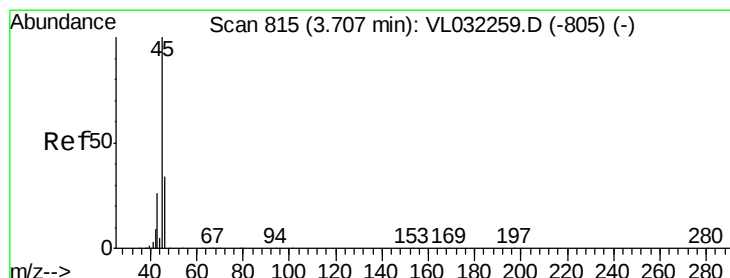
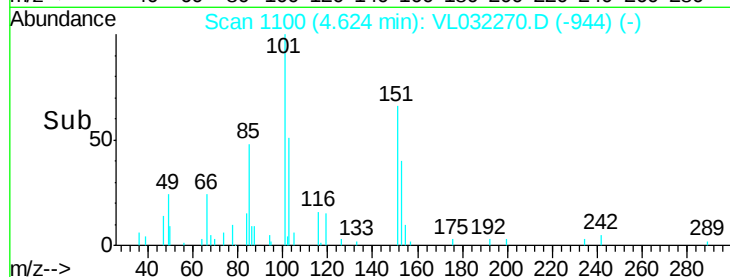
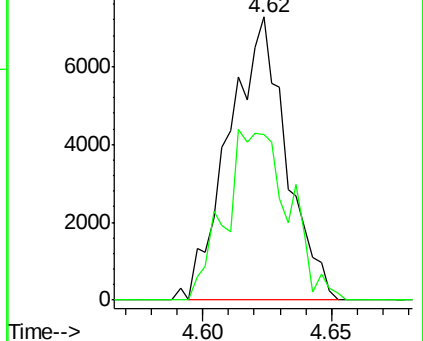
101 100

151 67.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 61.620 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.01 min

Lab File: VL032270.D

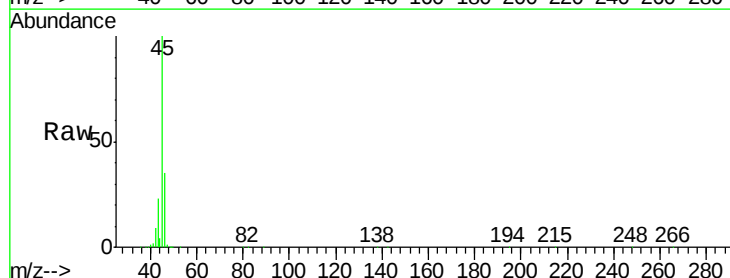
Acq: 18 Jul 2018 21:09

Tgt Ion: 45 Resp: 1435235

Ion Ratio Lower Upper

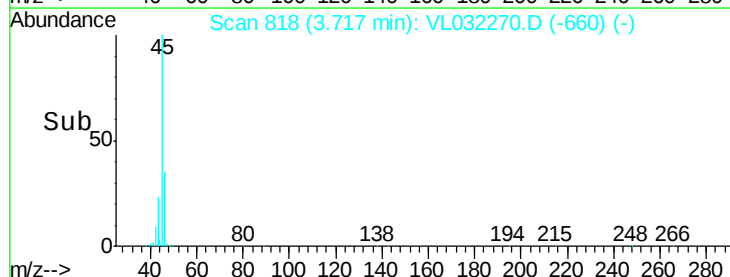
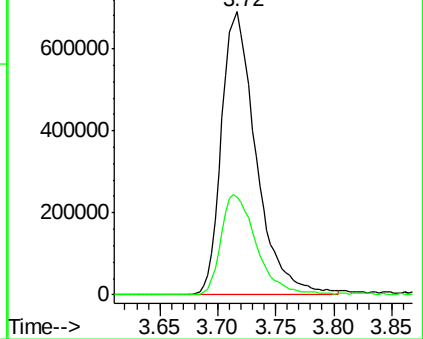
45 100

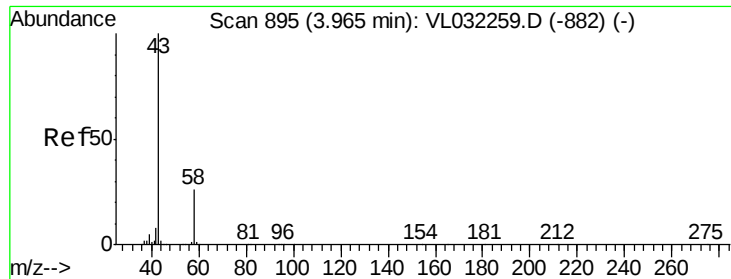
46 36.4 15.2 60.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 10.177 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

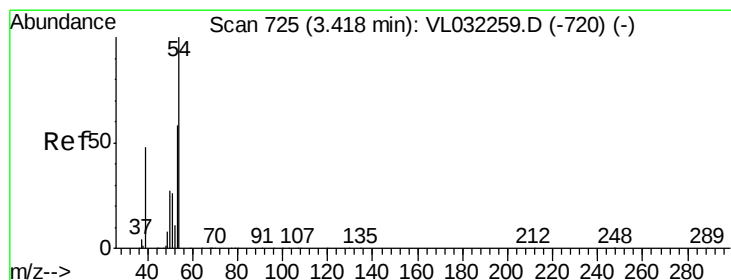
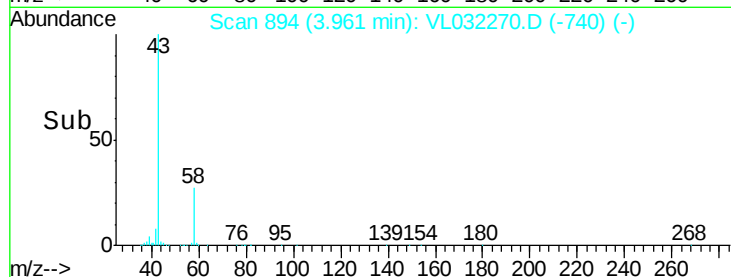
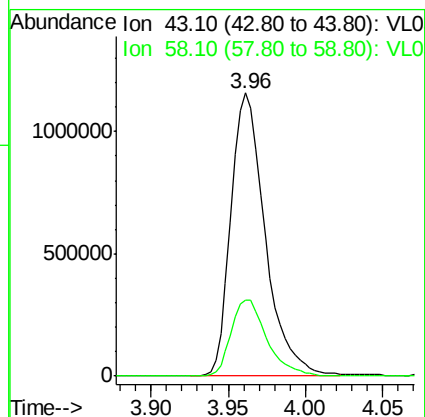
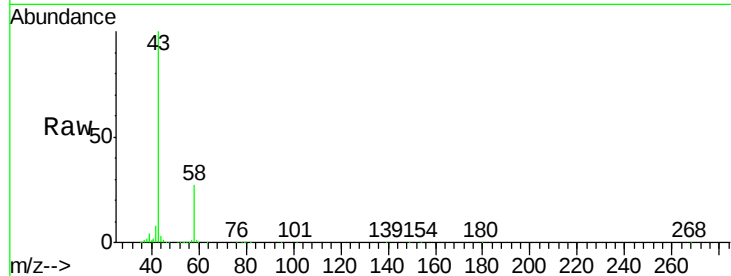
ClientSampleId :

Tot Ion: 43 Resp: 1770416

Ion Ratio Lower Upper

43 100

58 28.5 21.8 32.6



#16

1,3-Butadiene

Concen: 0.127 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.02 min

Lab File: VL032270.D

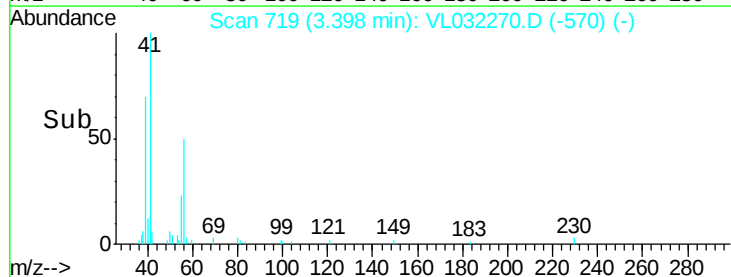
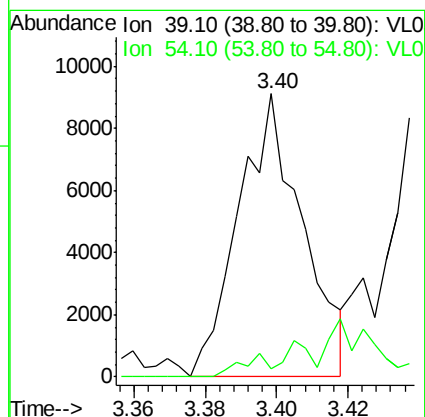
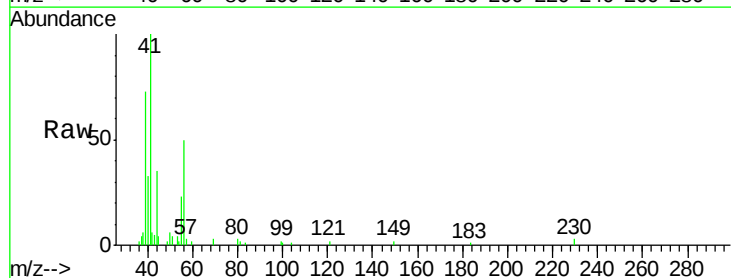
Acq: 18 Jul 2018 21:09

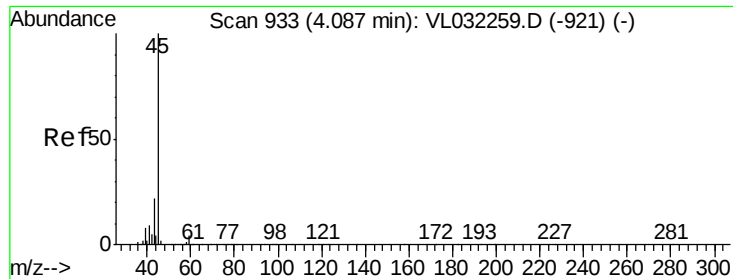
Tgt Ion: 39 Resp: 11255

Ion Ratio Lower Upper

39 100

54 30.8 70.6 105.8#





#19

Isopropyl Alcohol

Concen: 2.702 ppbv

RT: 4.10 min Scan# 937

Delta R.T. 0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

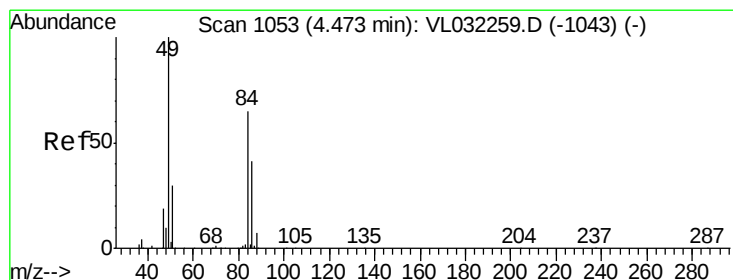
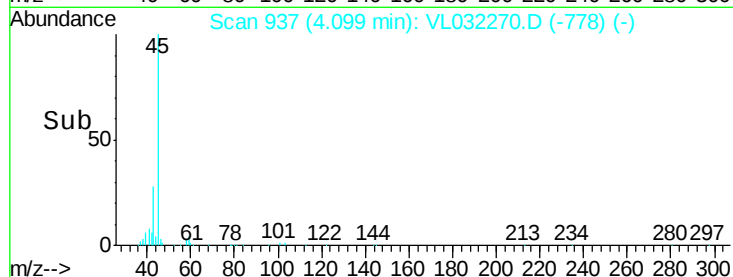
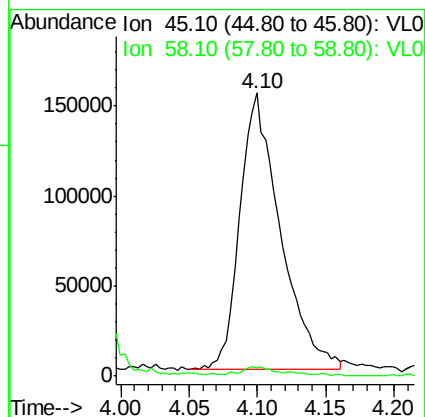
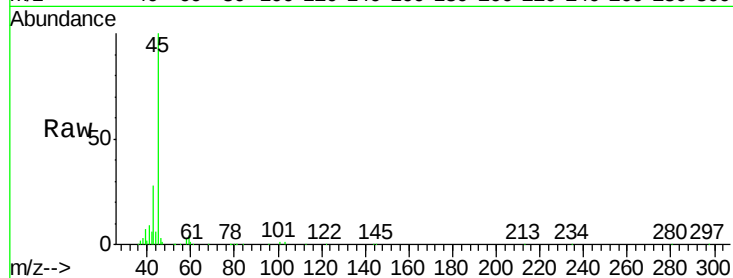
ClientSampleId :

Tot Ion: 45 Resp: 317945

Ion Ratio Lower Upper

45 100

58 158.8 1.5 2.3#



#20

Methylene Chloride

Concen: 6.646 ppbv

RT: 4.47 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Tgt Ion: 84 Resp: 445075

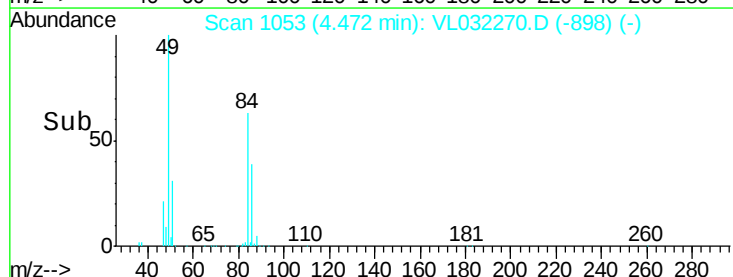
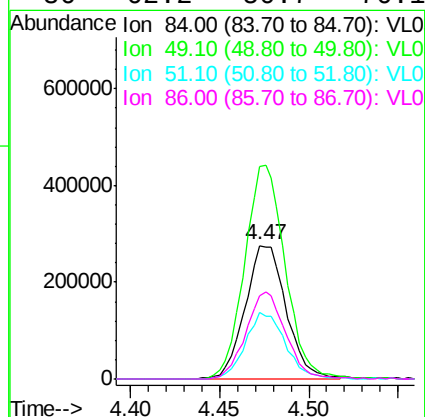
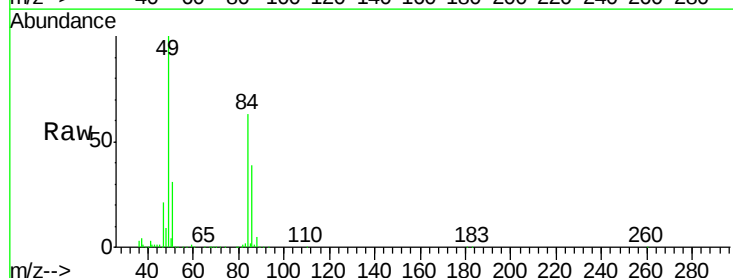
Ion Ratio Lower Upper

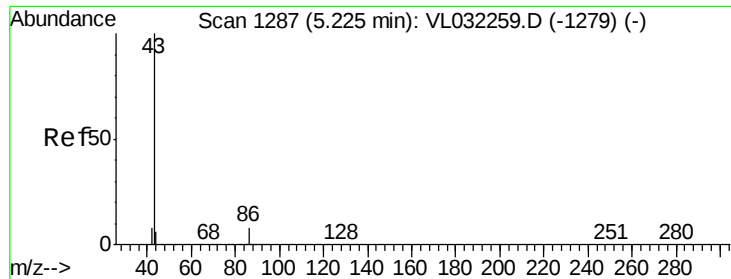
84 100

49 159.0 122.4 183.6

51 49.9 36.8 55.2

86 62.2 50.7 76.1

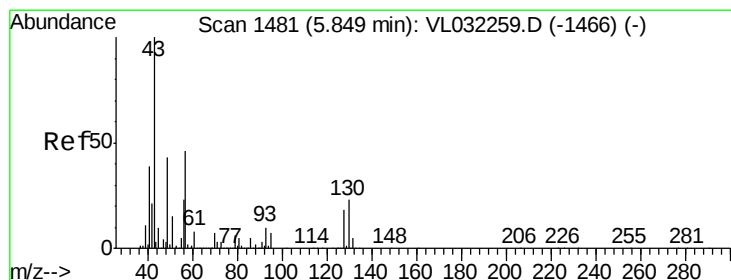
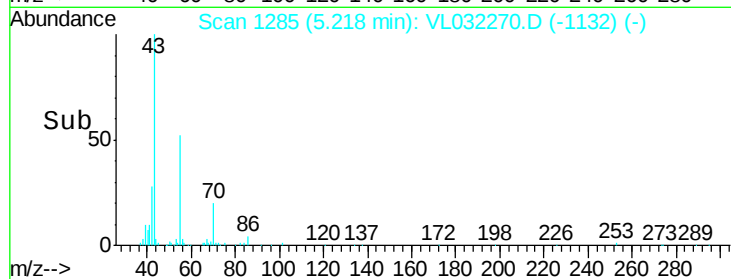
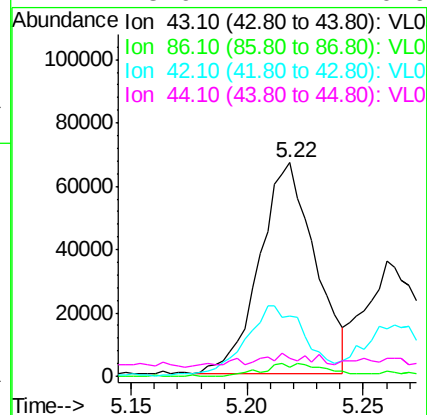
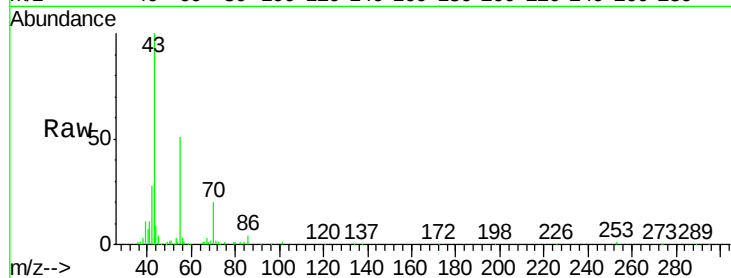




#23
 Vinyl Acetate
 Concen: 0.353 ppbv
 RT: 5.22 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

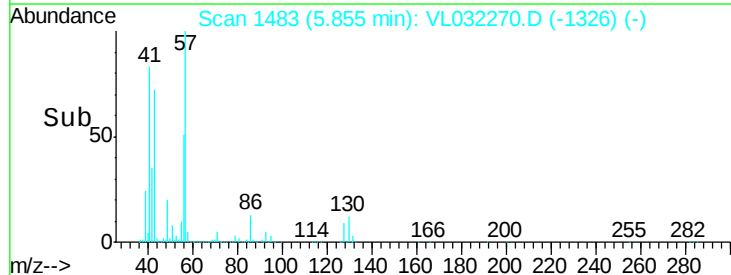
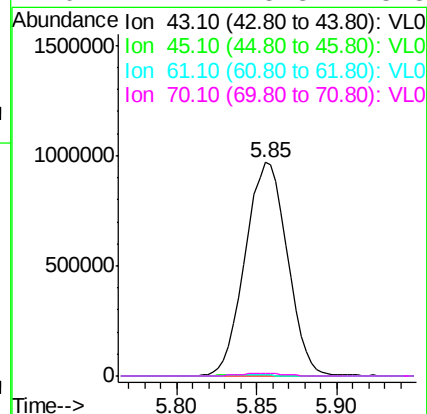
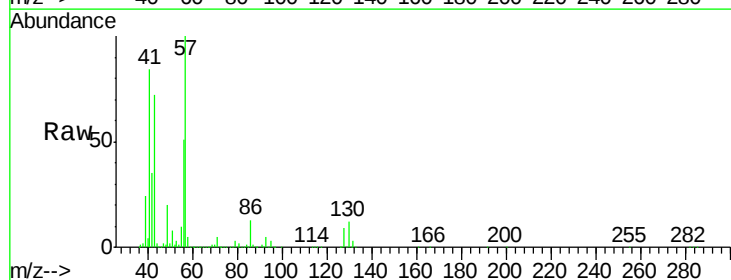
Instrument :
 MSVOA_L
 ClientSampleId :

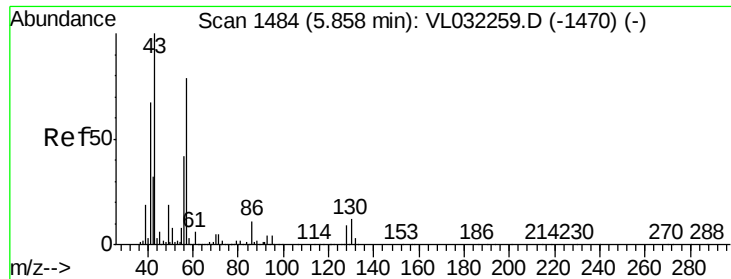
Tot Ion:	43	Resp:	110175
Ion	Ratio	Lower	Upper
43	100		
86	3.8	5.9	8.9#
42	27.1	7.3	10.9#
44	3.9	4.4	6.6#



#25
 Ethyl Acetate
 Concen: 4.605 ppbv
 RT: 5.85 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

Tgt Ion:	43	Resp:	1744880
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.9	11.9#
61	0.7	7.6	11.4#
70	1.7	5.8	8.8#



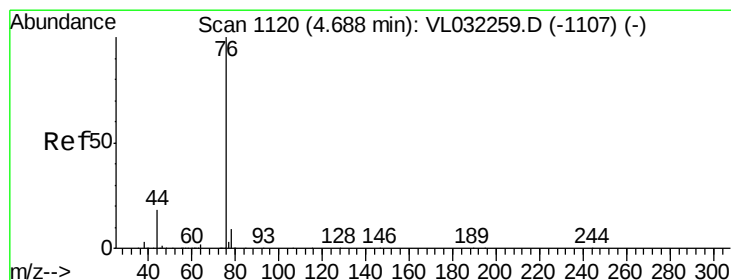
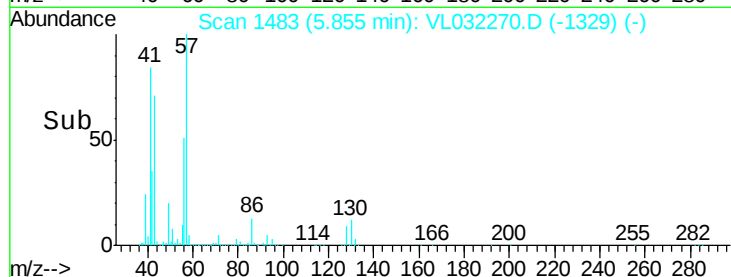
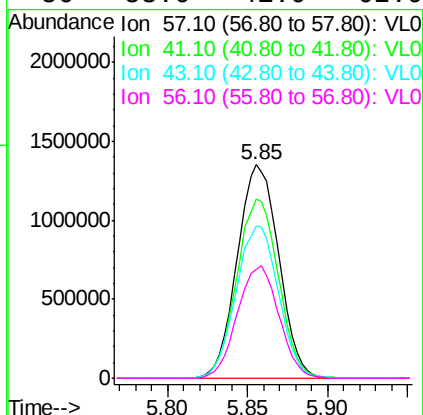
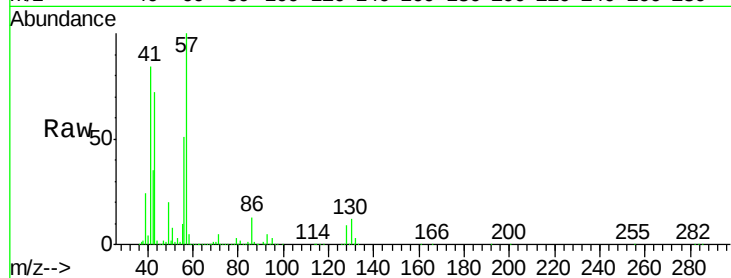


#26
Hexane
Concen: 13.710 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 2385705

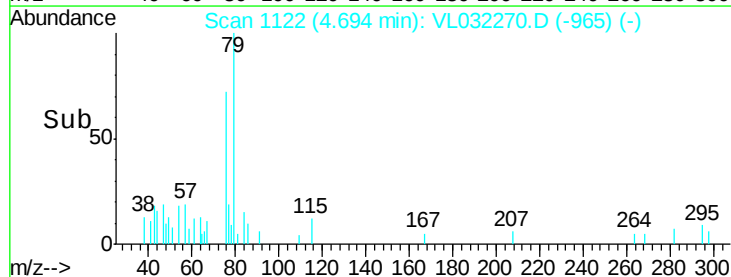
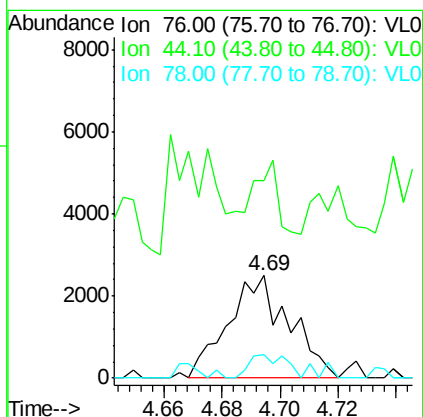
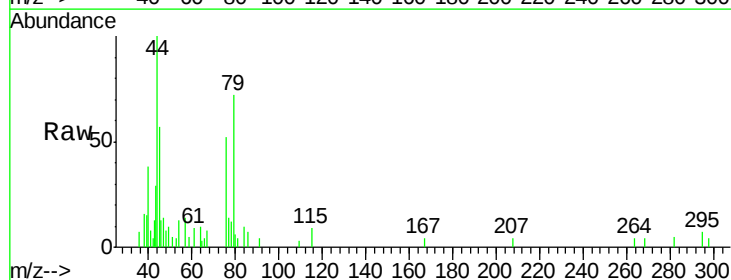
Ion	Ratio	Lower	Upper
57	100		
41	84.7	67.9	101.9
43	73.5	175.9	263.9#
56	53.0	41.9	62.9

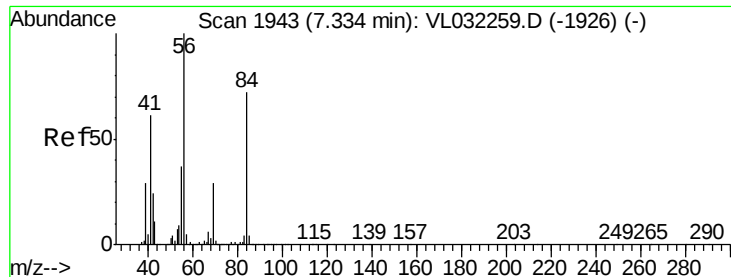


#27
Carbon Disulfide
Concen: 0.024 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

Tgt Ion: 76 Resp: 3636

Ion	Ratio	Lower	Upper
76	100		
44	43.6	14.3	21.5#
78	12.5	7.4	11.0#

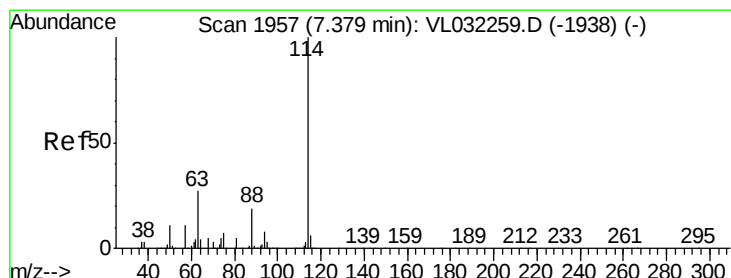
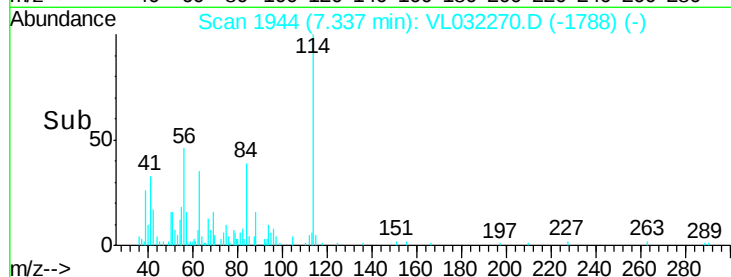
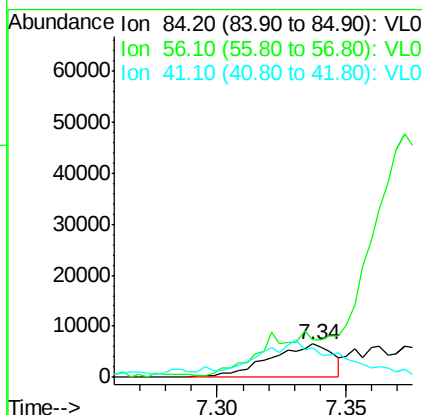
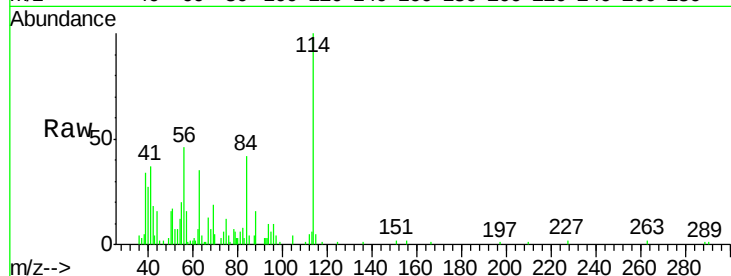




#30
Cvclohexane
Concen: 0.076 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

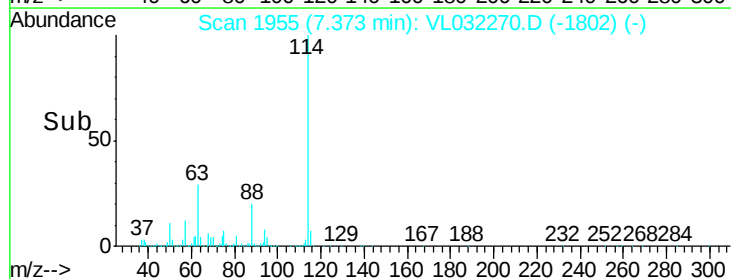
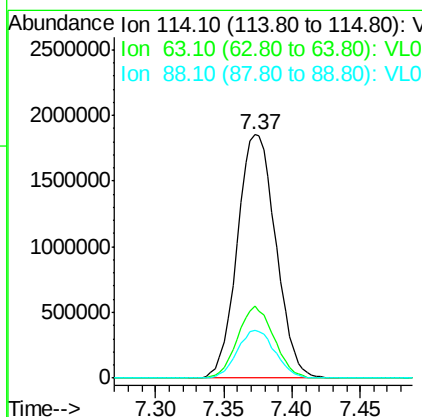
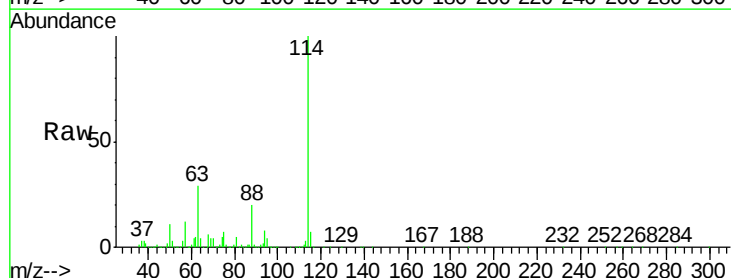
Instrument :
MSVOA_L
ClientSampleId :

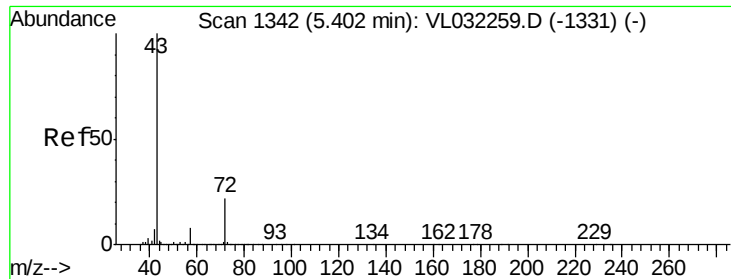
Tot Ion: 84 Resp: 11086
Ion Ratio Lower Upper
84 100
56 0.0 115.6 173.4#
41 148.7 68.7 103.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

Tgt Ion: 114 Resp: 3628899
Ion Ratio Lower Upper
114 100
63 28.2 22.6 33.8
88 19.3 15.2 22.8

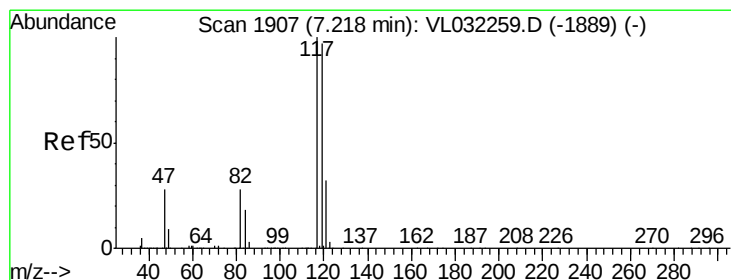
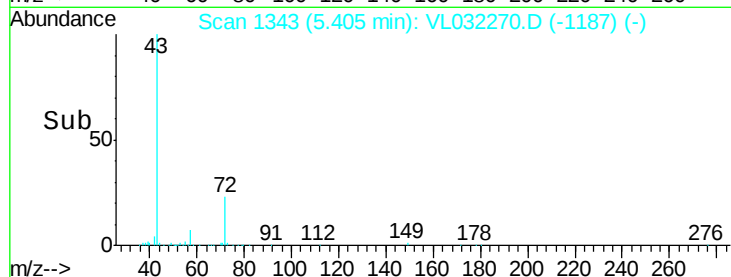
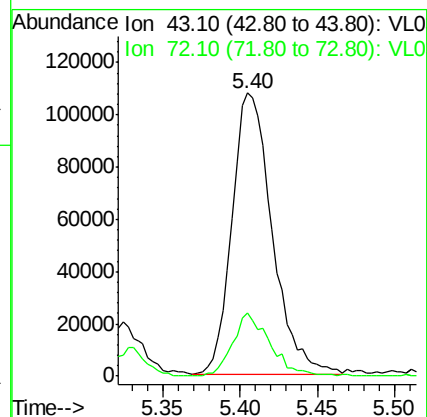
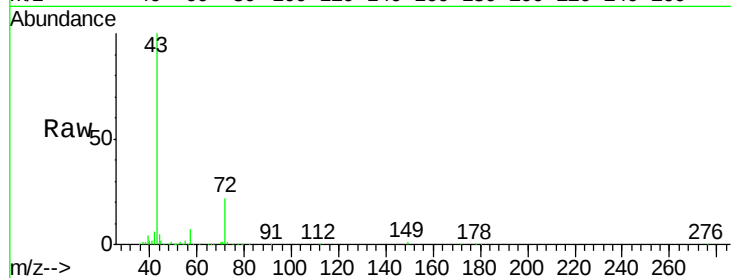




#34
2-Butanone
Concen: 0.777 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

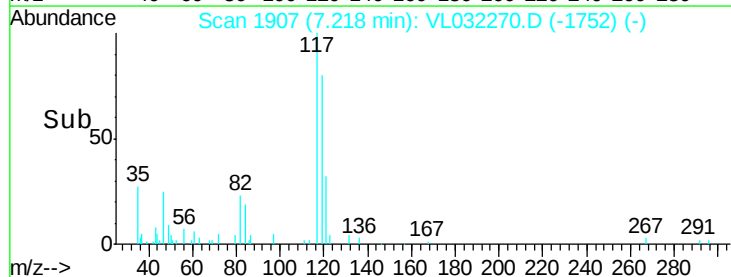
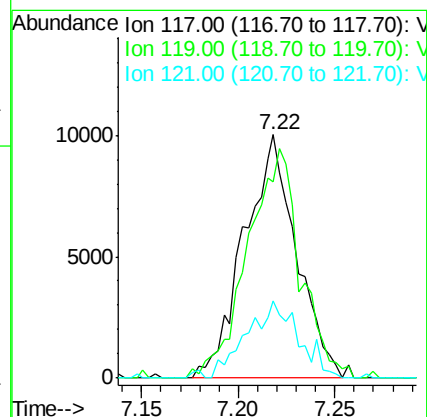
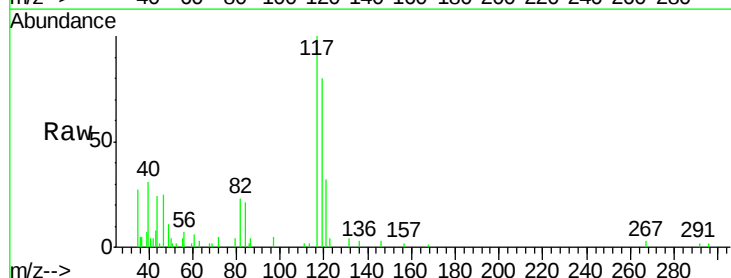
Instrument :
MSVOA_L
ClientSampled :

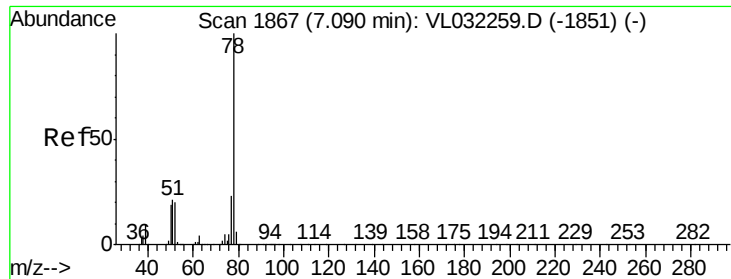
Tot Ion: 43 Resp: 193495
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.075 ppbv
RT: 7.22 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

Tgt Ion: 117 Resp: 18813
Ion Ratio Lower Upper
117 100
119 76.5 77.4 116.0#
121 31.9 25.4 38.2





#36

Benzene

Concen: 0.182 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

ClientSampleId :

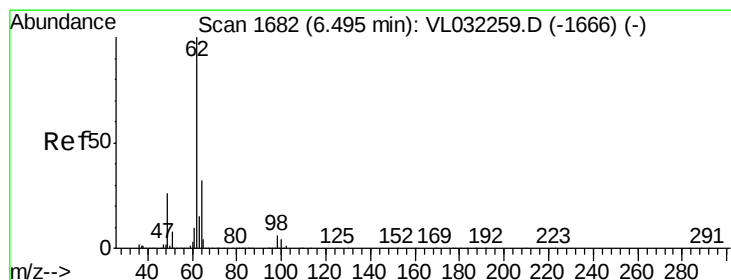
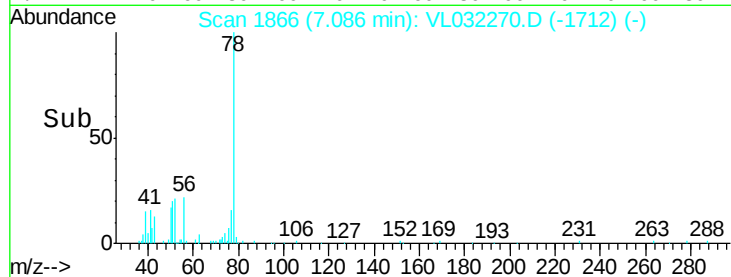
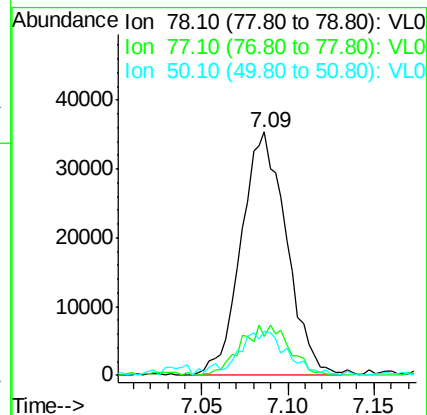
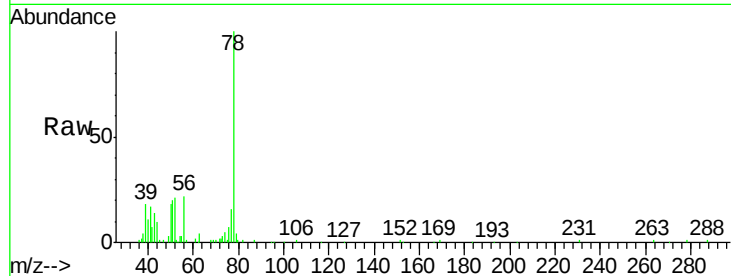
Tot Ion: 78 Resp: 64862

Ion Ratio Lower Upper

78 100

77 15.7 18.6 27.8#

50 18.2 15.0 22.6



#37

1,2-Dichloroethane

Concen: 0.021 ppbv

RT: 6.49 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VL032270.D

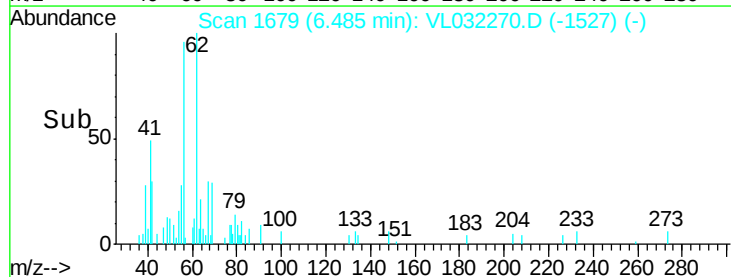
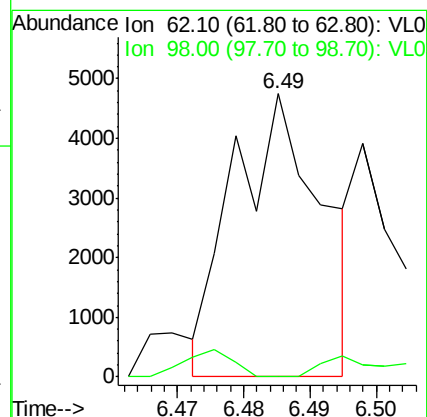
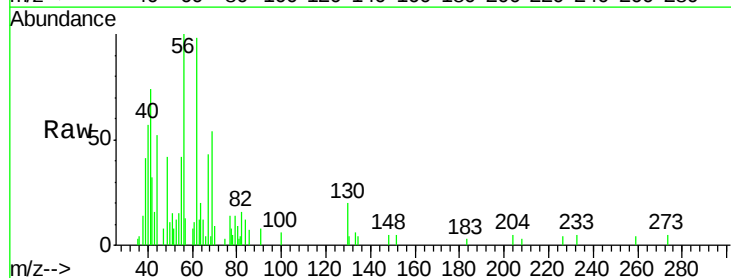
Acq: 18 Jul 2018 21:09

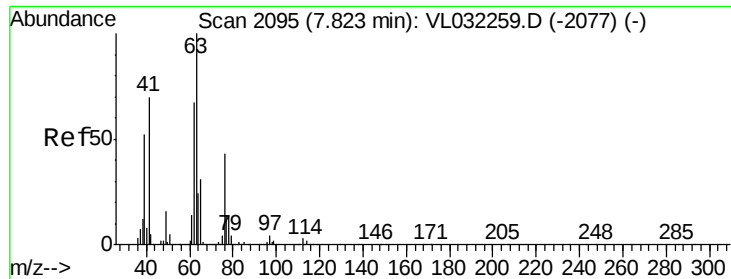
Tgt Ion: 62 Resp: 4381

Ion Ratio Lower Upper

62 100

98 0.0 4.9 7.3#

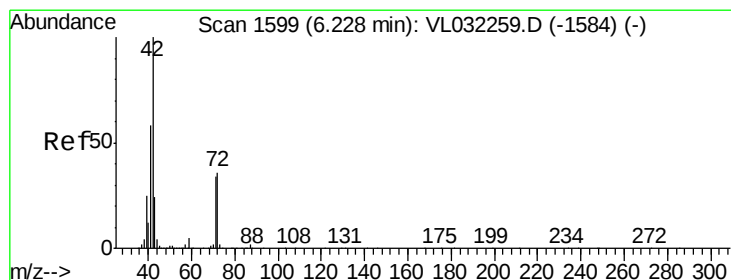
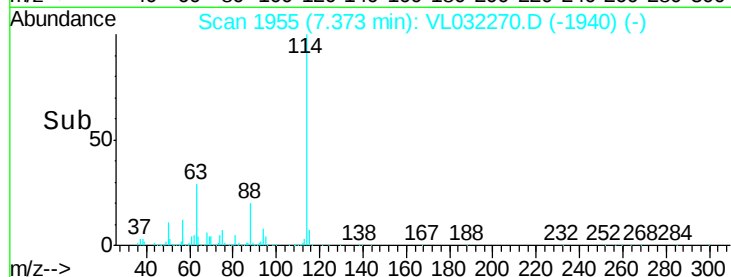
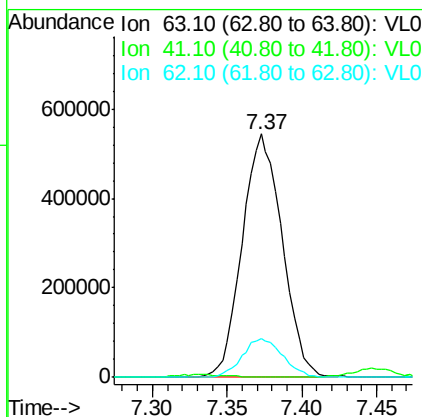
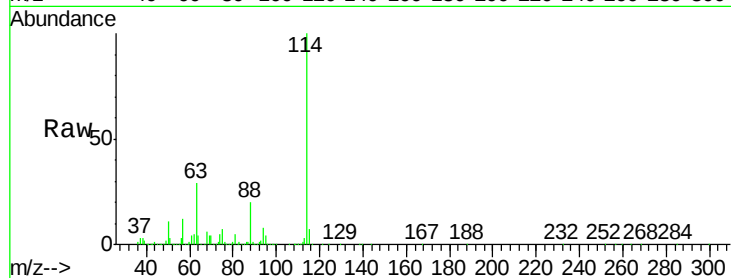




#39
 1,2-Dichloropropane
 Concen: 7.150 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.45 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

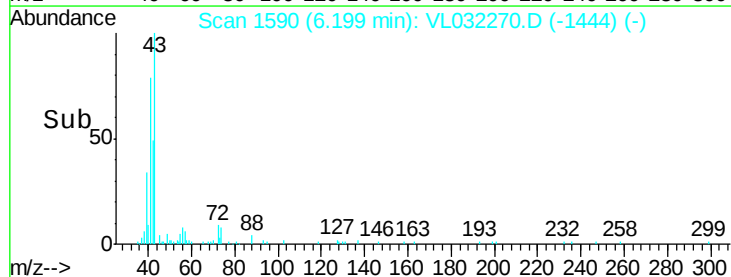
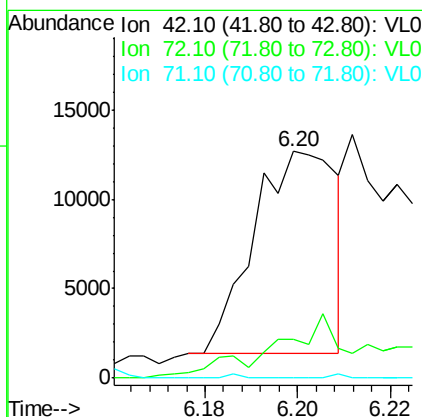
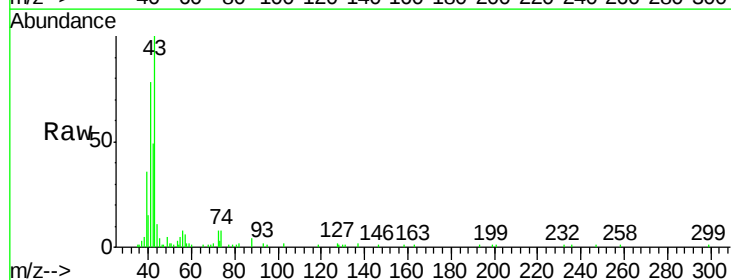
Instrument :
 MSVOA_L
 ClientSampleId :

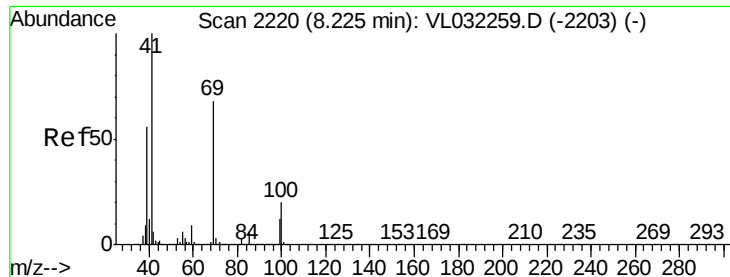
Tot Ion: 63 Resp: 1011100
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.8 83.6#
 62 16.0 53.8 80.8#



#41
 Tetrahydrofuran
 Concen: 0.097 ppbv
 RT: 6.20 min Scan# 1590
 Delta R.T. -0.03 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

Tgt Ion: 42 Resp: 14096
 Ion Ratio Lower Upper
 42 100
 72 51.7 29.4 44.0#
 71 0.0 28.2 42.4#

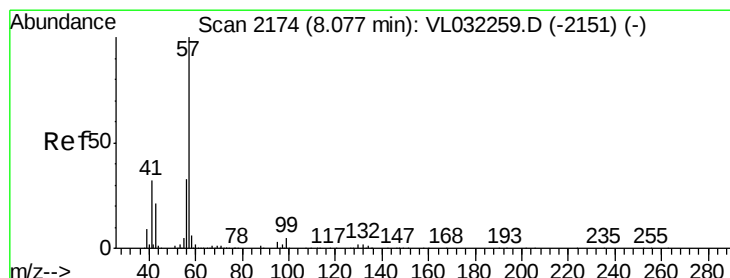
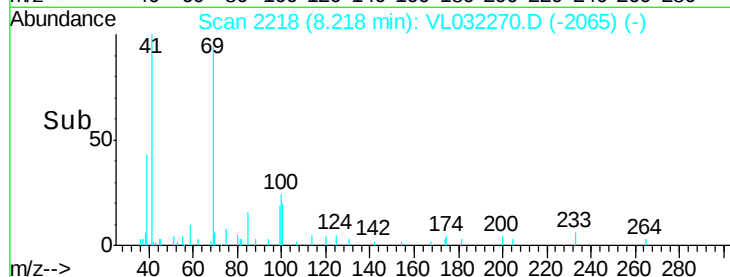
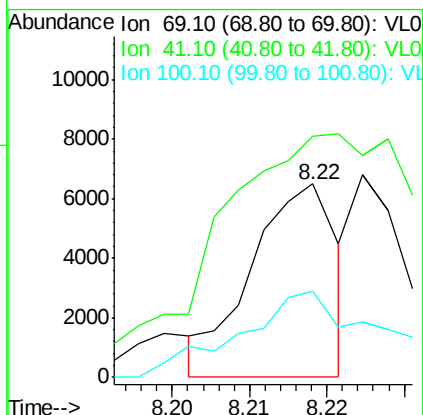
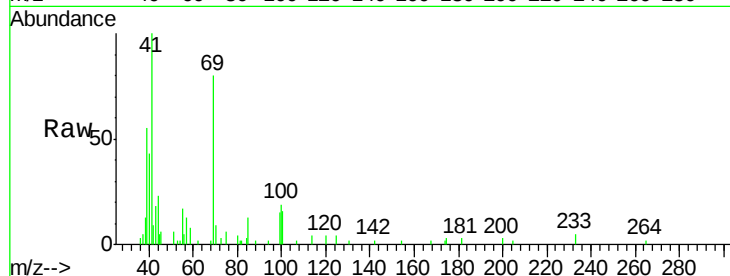




#43
Methvl Methacrylate
Concen: 0.034 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.01 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

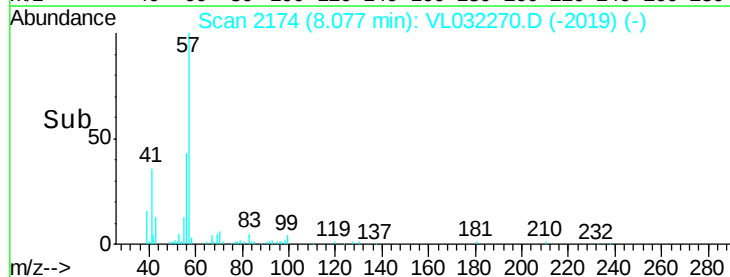
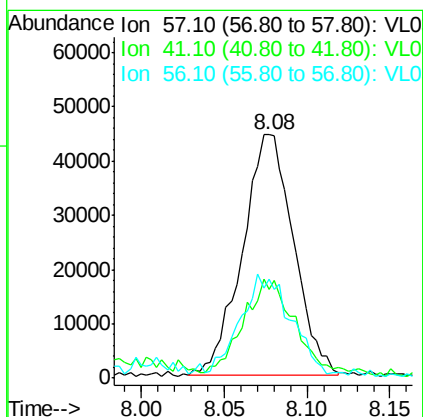
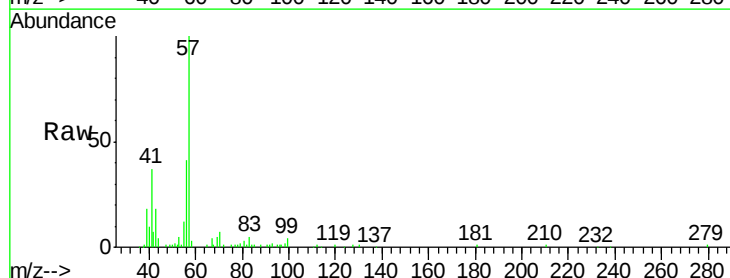
Instrument :
MSVOA_L
ClientSampleId :

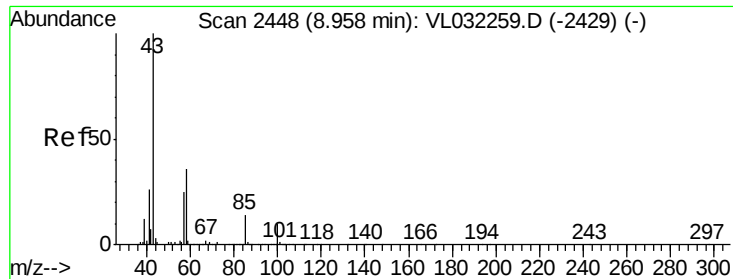
Tot Ion: 69 Resp: 4979
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8#
100 89.3 23.3 34.9#



#44
2,2,4-Trimethylpentane
Concen: 0.153 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL032270.D
Acq: 18 Jul 2018 21:09

Tgt Ion: 57 Resp: 95560
Ion Ratio Lower Upper
57 100
41 43.5 24.4 36.6#
56 46.6 25.7 38.5#

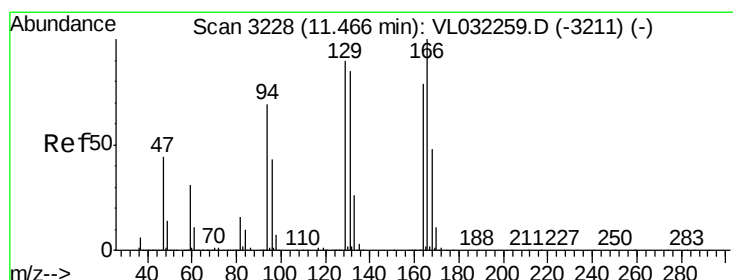
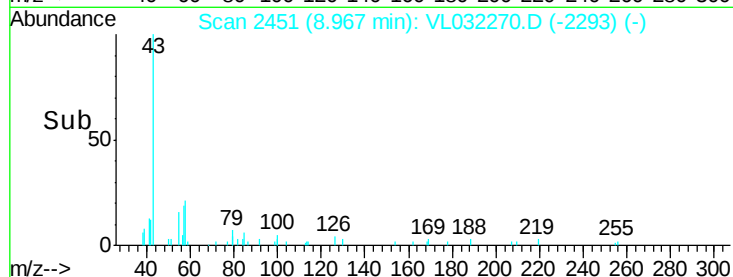
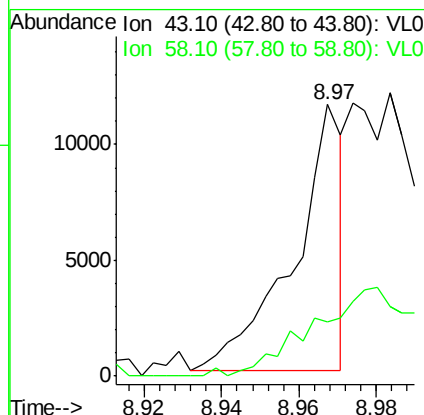
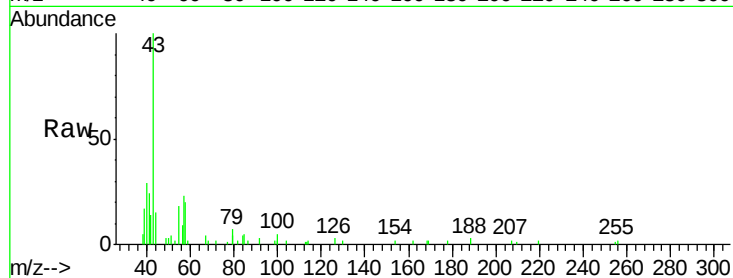




#50
 4-Methyl-2-Pentanone
 Concen: 0.024 ppbv
 RT: 8.97 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

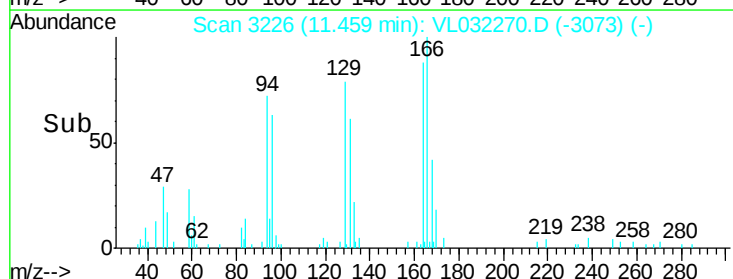
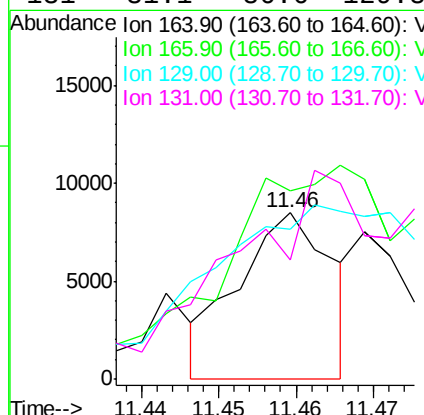
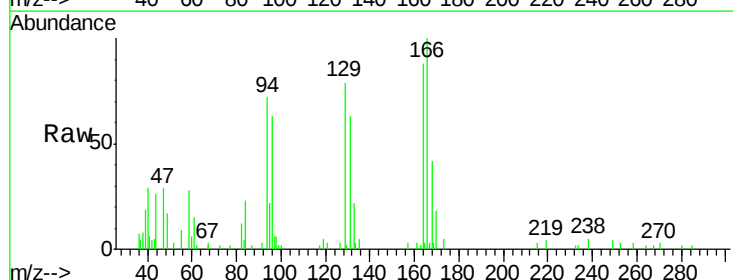
Instrument :
 MSVOA_L
 ClientSampled :

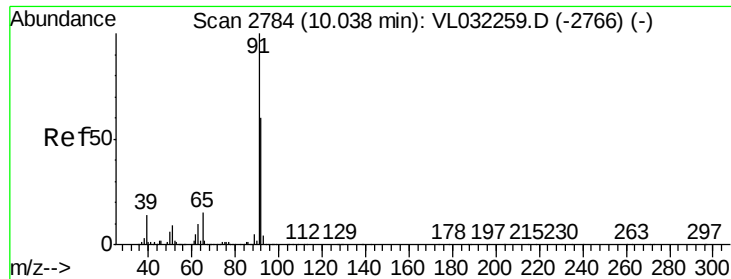
Tot Ion: 43 Resp: 9987
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.2 43.8#



#52
 Tetrachloroethene
 Concen: 0.058 ppbv
 RT: 11.46 min Scan# 3226
 Delta R.T. -0.01 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

Tgt Ion: 164 Resp: 7129
 Ion Ratio Lower Upper
 164 100
 166 97.1 101.7 152.5#
 129 33.8 91.5 137.3#
 131 31.1 86.6 129.8#





#53

Toluene

Concen: 0.628 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. -0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

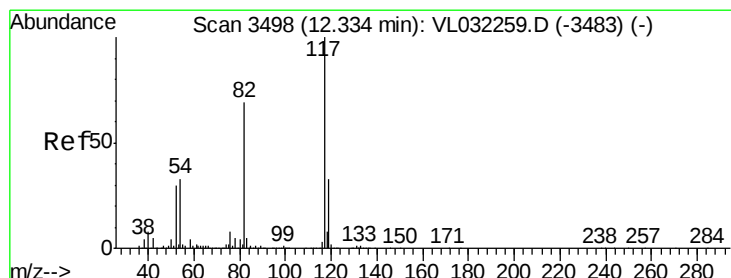
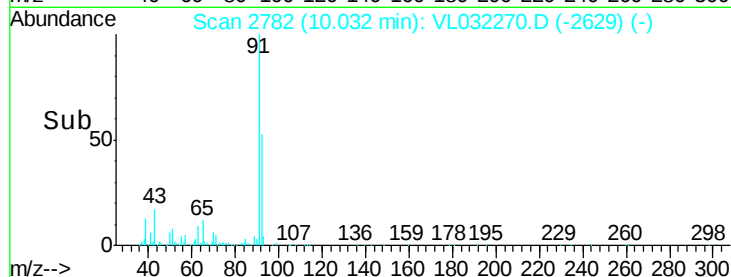
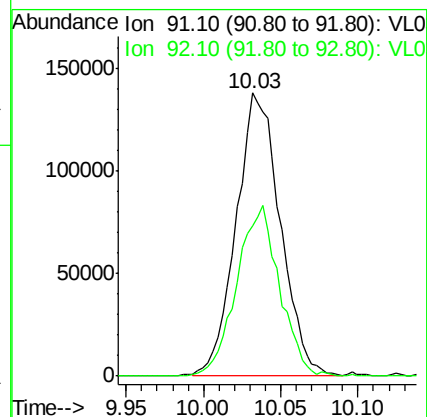
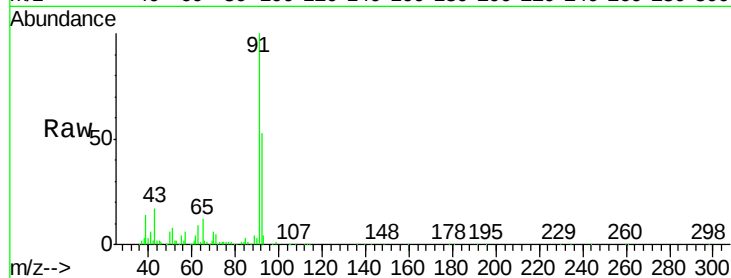
ClientSampled :

Tot Ion: 91 Resp: 271804

Ion Ratio Lower Upper

91 100

92 59.1 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

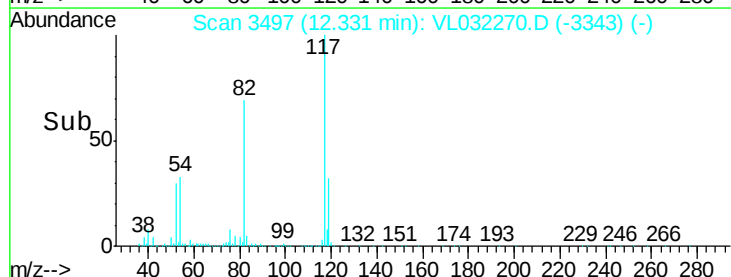
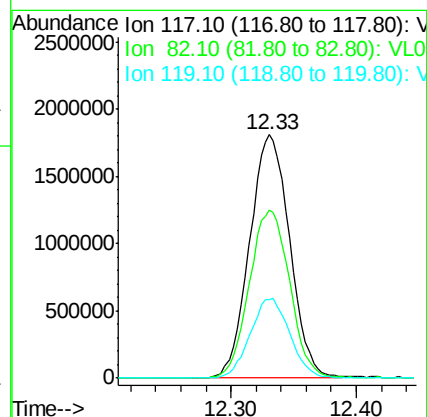
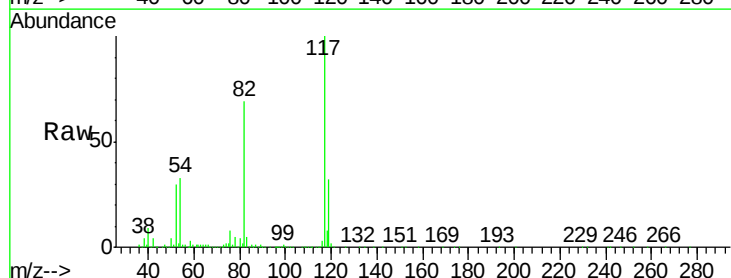
Tgt Ion: 117 Resp: 4013103

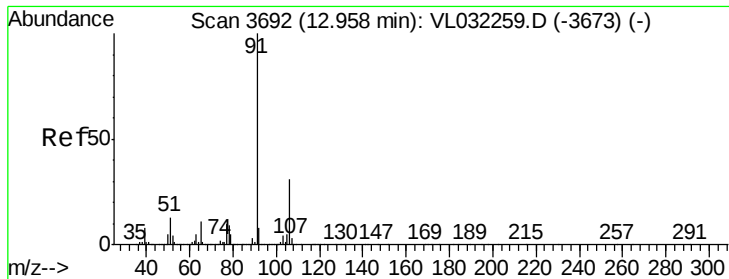
Ion Ratio Lower Upper

117 100

82 70.4 53.9 80.9

119 32.7 25.5 38.3





#58

Ethyl Benzene

Concen: 0.129 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

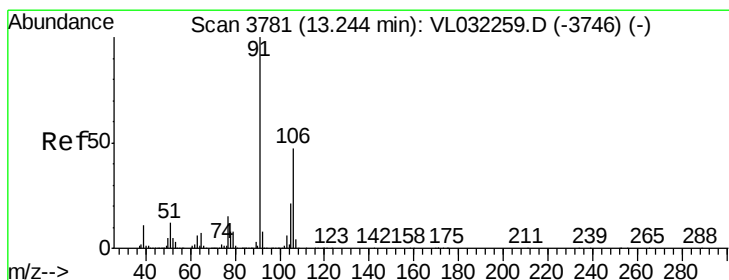
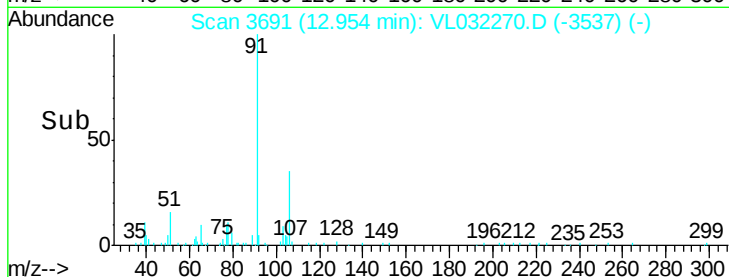
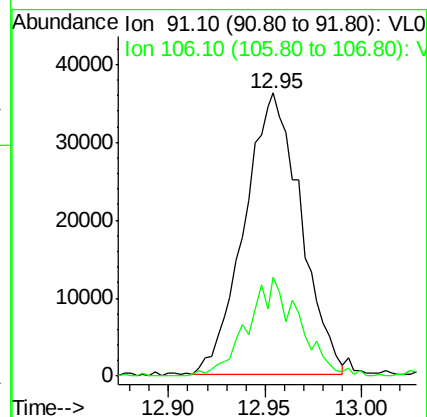
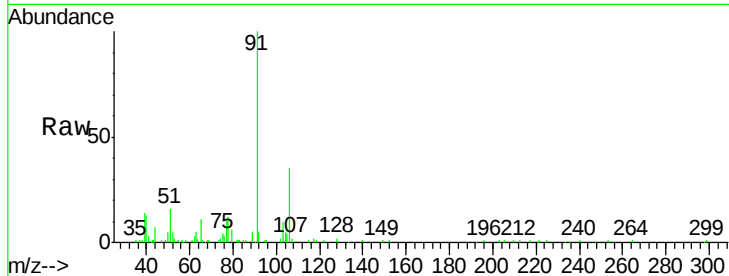
ClientSampleId :

Tot Ion: 91 Resp: 72784

Ion Ratio Lower Upper

91 100

106 34.8 24.5 36.7



#59

m/p-Xylene

Concen: 0.109 ppbv

RT: 13.24 min Scan# 3781

Delta R.T. -0.00 min

Lab File: VL032270.D

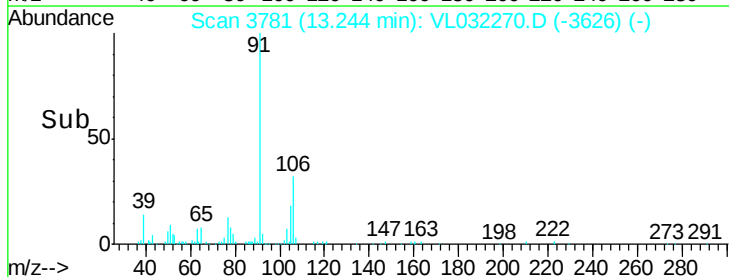
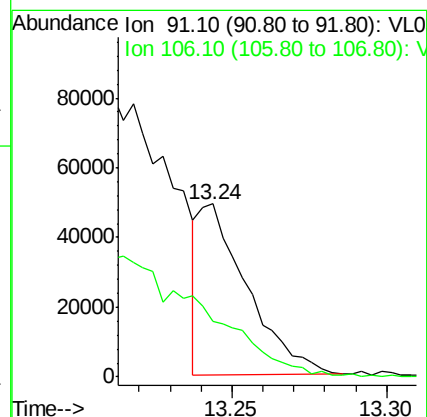
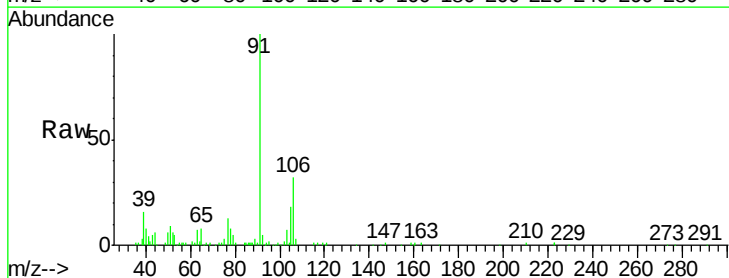
Acq: 18 Jul 2018 21:09

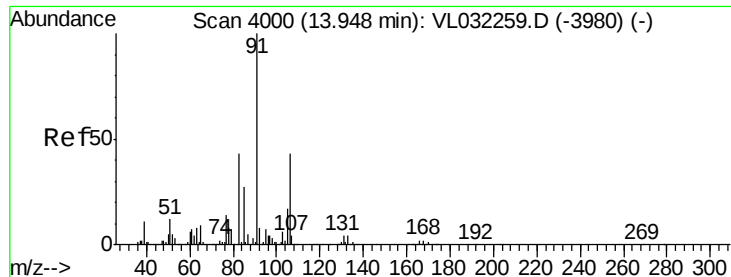
Tgt Ion: 91 Resp: 52787

Ion Ratio Lower Upper

91 100

106 0.0 36.2 54.2#





#60

o-Xylene

Concen: 0.217 ppbv

RT: 13.94 min Scan# 3997

Delta R.T. -0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

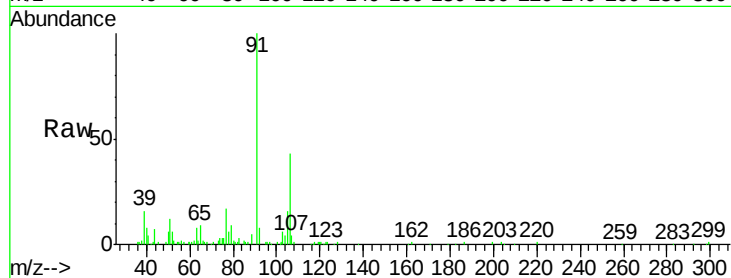
ClientSampled :

Tot Ion: 91 Resp: 104390

Ion Ratio Lower Upper

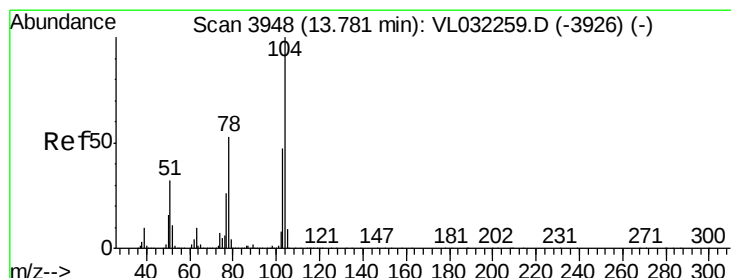
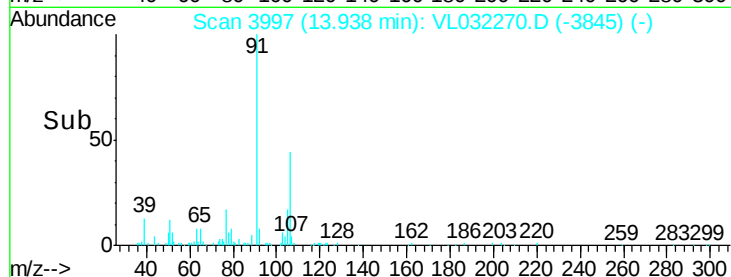
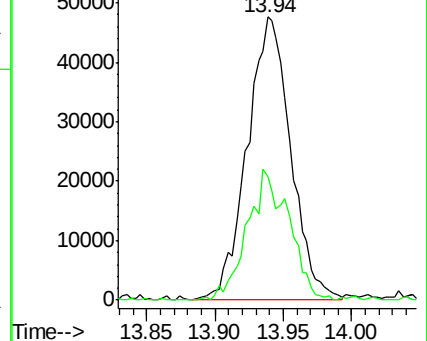
91 100

106 45.1 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.034 ppbv

RT: 13.77 min Scan# 3946

Delta R.T. -0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

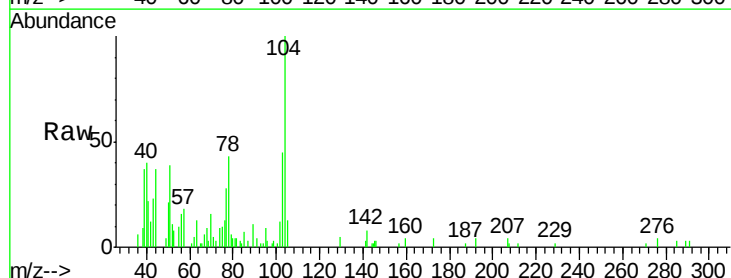
Tgt Ion: 104 Resp: 12276

Ion Ratio Lower Upper

104 100

78 0.0 43.2 64.8#

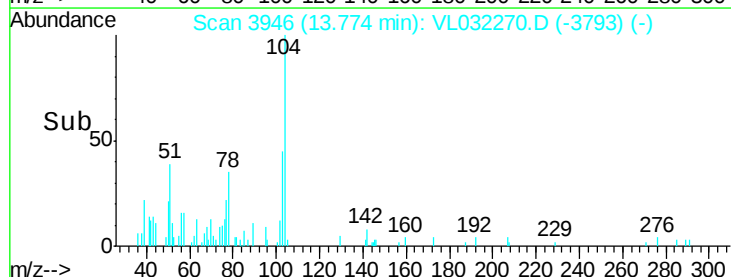
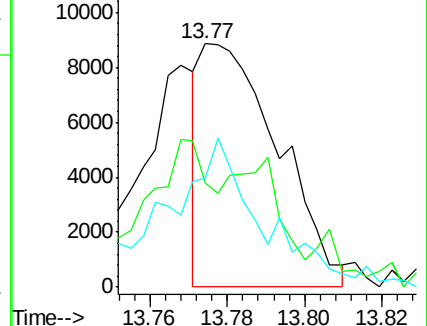
103 80.2 37.8 56.6#

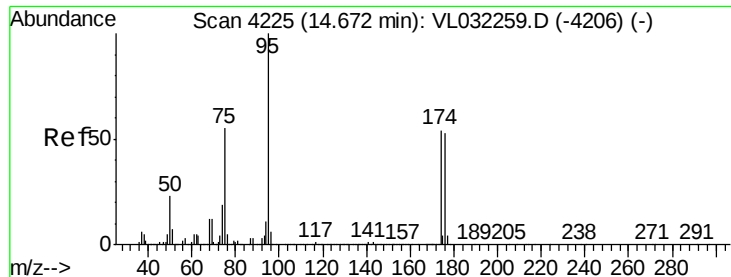


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.865 ppbv

RT: 14.66 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

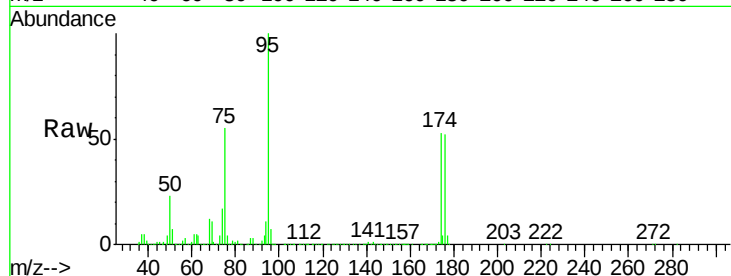
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 95 Resp: 3209817

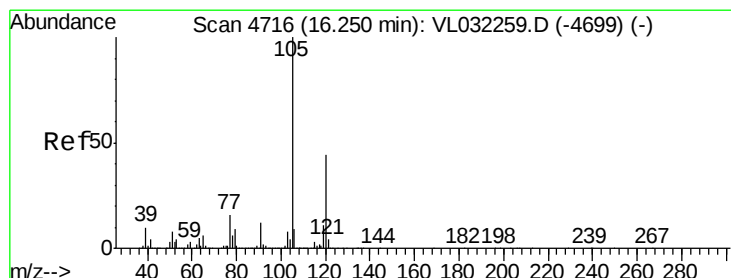
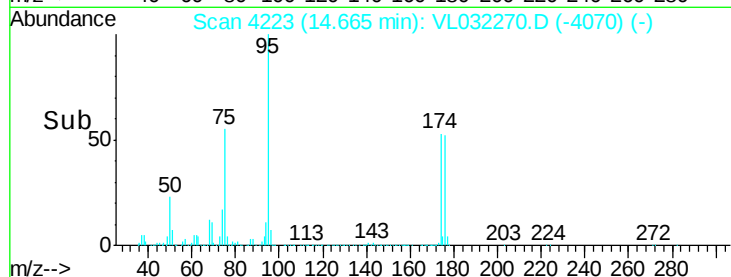
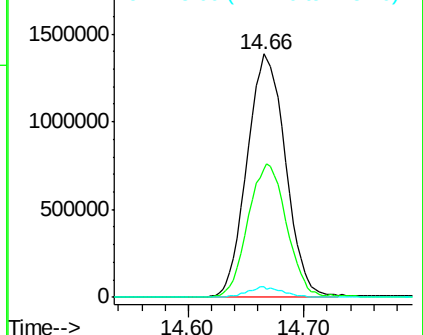
Ion	Ratio	Lower	Upper
95	100		
174	55.9	44.3	66.5
175	4.0	3.3	4.9



Abundance Ion 95.10 (94.80 to 95.80): VL032270.D (-4070) (-)

Ion 174.00 (173.70 to 174.70): VL032270.D (-4070) (-)

Ion 175.00 (174.70 to 175.70): VL032270.D (-4070) (-)



#73

1,3,5-Trimethylbenzene

Concen: 0.062 ppbv

RT: 16.24 min Scan# 4714

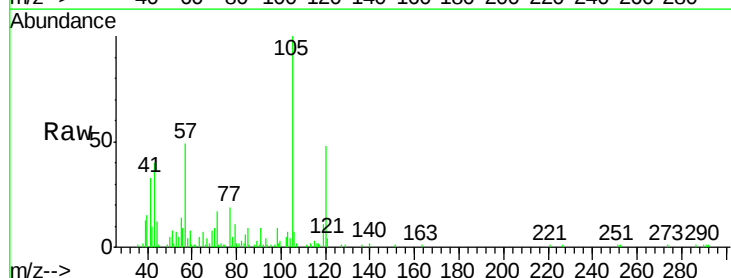
Delta R.T. -0.01 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

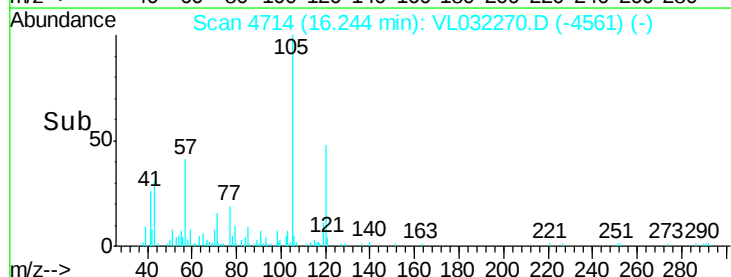
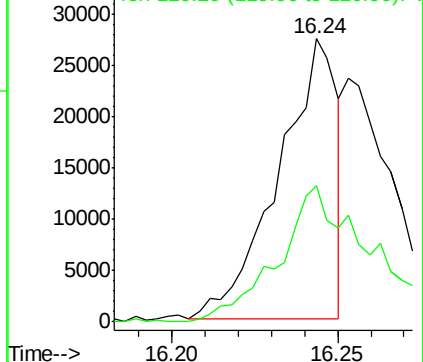
Tgt Ion: 105 Resp: 33519

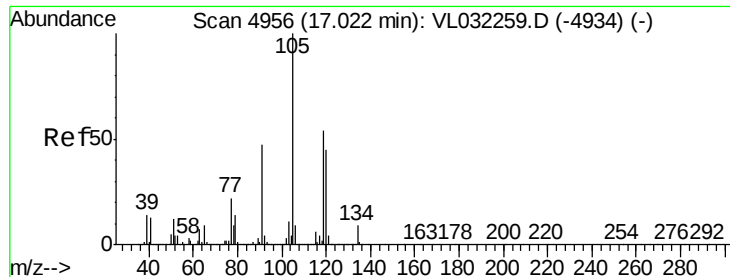
Ion	Ratio	Lower	Upper
105	100		
120	53.4	35.5	53.3



Abundance Ion 105.10 (104.80 to 105.80): VL032270.D (-4561) (-)

Ion 120.20 (119.90 to 120.90): VL032270.D (-4561) (-)





#74

1,2,4-Trimethylbenzene

Concen: 0.311 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.01 min

Lab File: VL032270.D

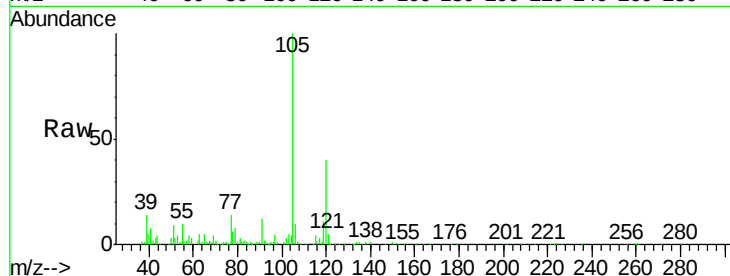
Acq: 18 Jul 2018 21:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	176932
Ion	Ratio	Lower	Upper
105	100		
120	39.6	35.8	53.6
91	10.9	38.2	57.4#
77	14.1	17.5	26.3#

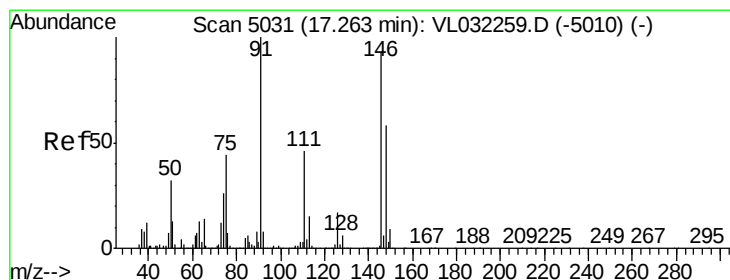
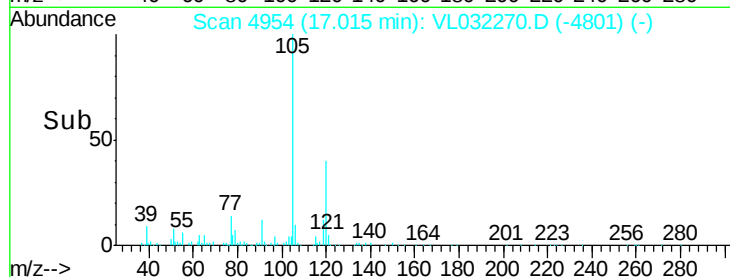
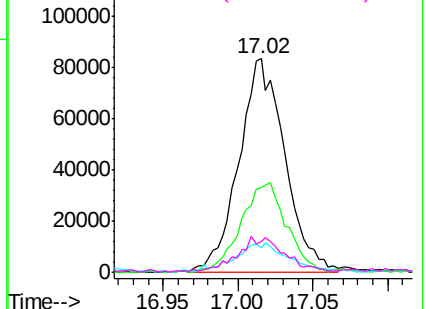


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.373 ppbv

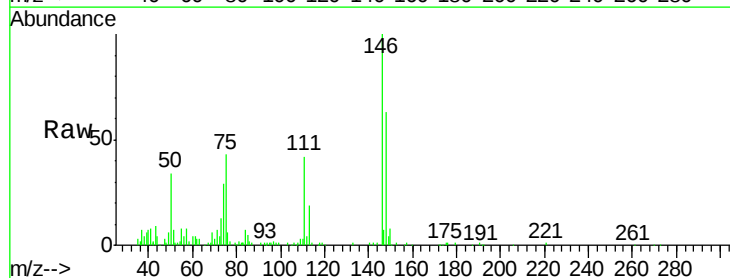
RT: 17.40 min Scan# 5074

Delta R.T. 0.14 min

Lab File: VL032270.D

Acq: 18 Jul 2018 21:09

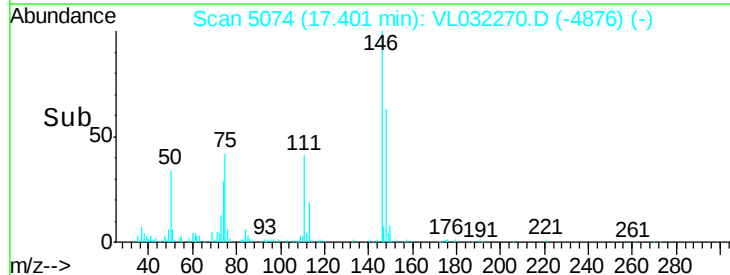
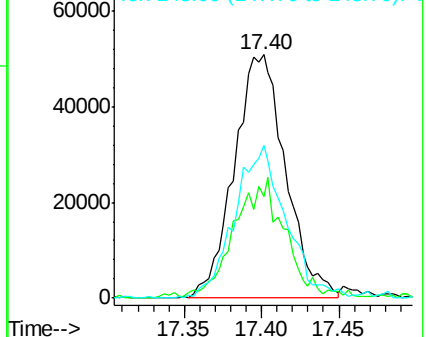
Tgt Ion:	146	Resp:	117642
Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.1	75.4
148	63.2	31.8	95.3

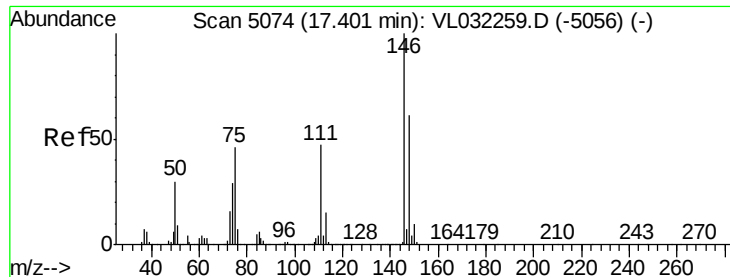


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

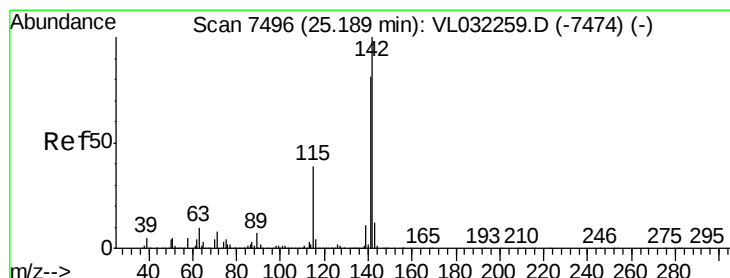
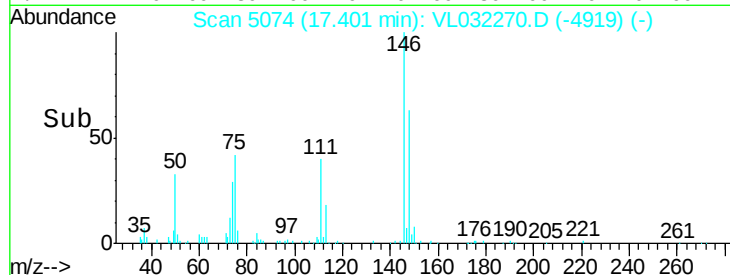
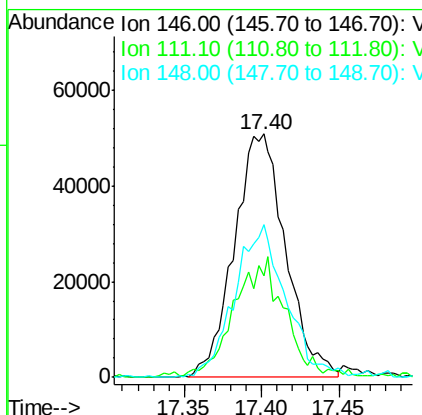
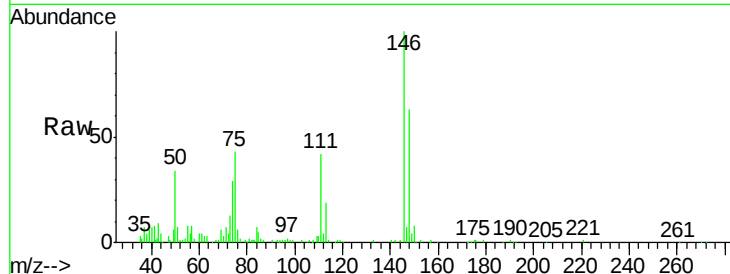




#76
 1,4-Dichlorobenzene
 Concen: 0.376 ppbv
 RT: 17.40 min Scan# 5074
 Delta R.T. -0.00 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 117642
 Ion Ratio Lower Upper
 146 100
 111 50.4 24.1 72.2
 148 63.7 31.9 95.9



#80
 Naphthalene, 2-methyl-
 Concen: 0.030 ppbv
 RT: 25.19 min Scan# 7497
 Delta R.T. 0.00 min
 Lab File: VL032270.D
 Acq: 18 Jul 2018 21:09

Tgt Ion:142 Resp: 6080
 Ion Ratio Lower Upper
 142 100
 141 108.3 67.1 100.7#
 115 45.2 32.5 48.7

