

Data File : VL032147.D
Acq On : 29 Jun 2018 19:22
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jun 29 20:40:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1566535	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4003099	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3947633	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3002301	10.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	267598	1.629	ppbv	97
3) Chlorodifluoromethane	3.07	51	210025	1.033	ppbv	97
4) Chloromethane	3.23	50	111018	1.021	ppbv	95
5) Vinyl Chloride	3.35	62	108844	0.971	ppbv	99
6) Bromomethane	3.58	94	62297	0.957	ppbv	100
7) Chloroethane	3.67	64	37841	0.911	ppbv #	86
8) Dichlorotetrafluoroethane	3.28	85	259720	1.149	ppbv	98
9) Propene	3.09	41	95971	0.966	ppbv	97
10) Heptane	8.34	43	273585	0.971	ppbv	99
11) Trichlorofluoromethane	4.07	101	242597	1.121	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	162190	1.107	ppbv	97
13) Ethanol	3.72	45	14409	0.481	ppbv #	25
14) Bromoethene	3.86	108	74834	1.042	ppbv	98
15) Acetone	3.98	43	197901	0.951	ppbv	100
16) 1,3-Butadiene	3.42	39	86215	0.882	ppbv	99
17) tert-Butyl alcohol	4.44	59	122308	0.977	ppbv	99
18) 1,1-Dichloroethene	4.42	96	75243	1.046	ppbv	98
19) Isopropyl Alcohol	4.10	45	160076	0.980	ppbv	95
20) Methylene Chloride	4.48	84	74754	1.063	ppbv	94
21) Allyl Chloride	4.55	41	134583	1.042	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	78888	1.078	ppbv	97
23) Vinyl Acetate	5.23	43	344087	1.086	ppbv	99
24) 1,1-Dichloroethane	5.17	63	222689	0.934	ppbv	98
25) Ethyl Acetate	5.85	43	403037	0.883	ppbv	99
26) Hexane	5.86	57	187322	0.926	ppbv	95
27) Carbon Disulfide	4.70	76	180975	0.894	ppbv #	91
28) Methyl tert-Butyl Ether	5.20	73	324789	1.269	ppbv	99
29) Chloroform	5.93	83	267483	1.001	ppbv	99
30) Cyclohexane	7.34	84	109536	0.657	ppbv #	42
31) cis-1,2-Dichloroethene	5.72	61	179750	0.998	ppbv	97
32) 1,1,1-Trichloroethane	6.71	97	282941	1.016	ppbv	99
34) 2-Butanone	5.42	43	262759	0.809	ppbv	100
35) Carbon Tetrachloride	7.23	117	291741	1.050	ppbv	96
36) Benzene	7.10	78	436962	1.007	ppbv	97
37) 1,2-Dichloroethane	6.50	62	203961	0.914	ppbv	98
38) Trichloroethene	8.05	130	154225	0.922	ppbv	96
39) 1,2-Dichloropropane	7.83	63	159870	1.003	ppbv	91
40) 1,4-Dioxane	8.07	88	27125	0.365	ppbv #	21
41) Tetrahydrofuran	6.25	42	159295	0.821	ppbv	98
42) Bromodichloromethane	8.01	83	317342	1.051	ppbv	98
43) Methyl Methacrylate	8.23	69	167680	0.977	ppbv	98

Data File : VL032147.D
Acq On : 29 Jun 2018 19:22
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jun 29 20:40:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	734109	1.030	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	201371	0.948	ppbv	93
46) cis-1,3-Dichloropropene	8.93	75	245681	0.904	ppbv	97
47) 1,1,2-Trichloroethane	9.71	97	161080	0.893	ppbv	95
48) Dibromochloromethane	10.55	129	140659	0.521	ppbv #	10
49) Bromoform	13.30	173	219292	1.061	ppbv	99
50) 4-Methyl-2-Pentanone	8.98	43	450669	0.894	ppbv	100
51) 2-Hexanone	10.39	43	364532	0.727	ppbv #	99
52) Tetrachloroethene	11.48	164	143842	0.897	ppbv	95
53) Toluene	10.05	91	506961	0.968	ppbv	98
54) 1,2-Dibromoethane	10.86	107	253555	0.950	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	191267	1.090	ppbv #	1
57) Chlorobenzene	12.40	112	380104	1.016	ppbv	95
58) Ethyl Benzene	12.96	91	707105	1.028	ppbv	93
59) m/p-Xylene	13.25	91	617569	1.135	ppbv #	45
60) o-Xylene	13.95	91	588191	1.089	ppbv	97
61) Styrene	13.78	104	465792	2.888	ppbv	98
62) Isopropylbenzene	14.93	105	869061	1.208	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.94	83	400844	0.956	ppbv	99
64) n-propylbenzene	15.83	120	223552	1.193	ppbv	87
65) tert-Butylbenzene	17.01	119	778505	1.229	ppbv	96
66) Benzyl Chloride	17.26	91	438915	5.431	ppbv	97
67) sec-Butylbenzene	17.56	105	1105694	1.198	ppbv	98
69) p-Isopropyltoluene	17.92	119	877481	1.159	ppbv	97
70) n-Butylbenzene	18.82	91	903939	1.136	ppbv	99
71) 2-Chlorotoluene	15.72	91	657640	1.192	ppbv	96
72) 4-Ethyltoluene	16.10	105	720390	1.182	ppbv	98
73) 1,3,5-Trimethylbenzene	16.26	105	669969	1.228	ppbv	95
74) 1,2,4-Trimethylbenzene	17.02	105	694353	1.197	ppbv #	91
75) 1,3-Dichlorobenzene	17.27	146	396341	1.117	ppbv	98
76) 1,4-Dichlorobenzene	17.41	146	373397	1.035	ppbv	94
77) 1,2-Dichlorobenzene	18.09	146	383713	1.040	ppbv	96
78) Hexachloro-1,3-Butadiene	23.64	225	132177	1.316	ppbv	97
79) Naphthalene	22.54	128	522914	0.863	ppbv	97
80) Naphthalene,2-methyl-	25.20	142	123176	0.340	ppbv	98
81) 1,2,4-Trichlorobenzene	22.26	180	249038	1.050	ppbv	99

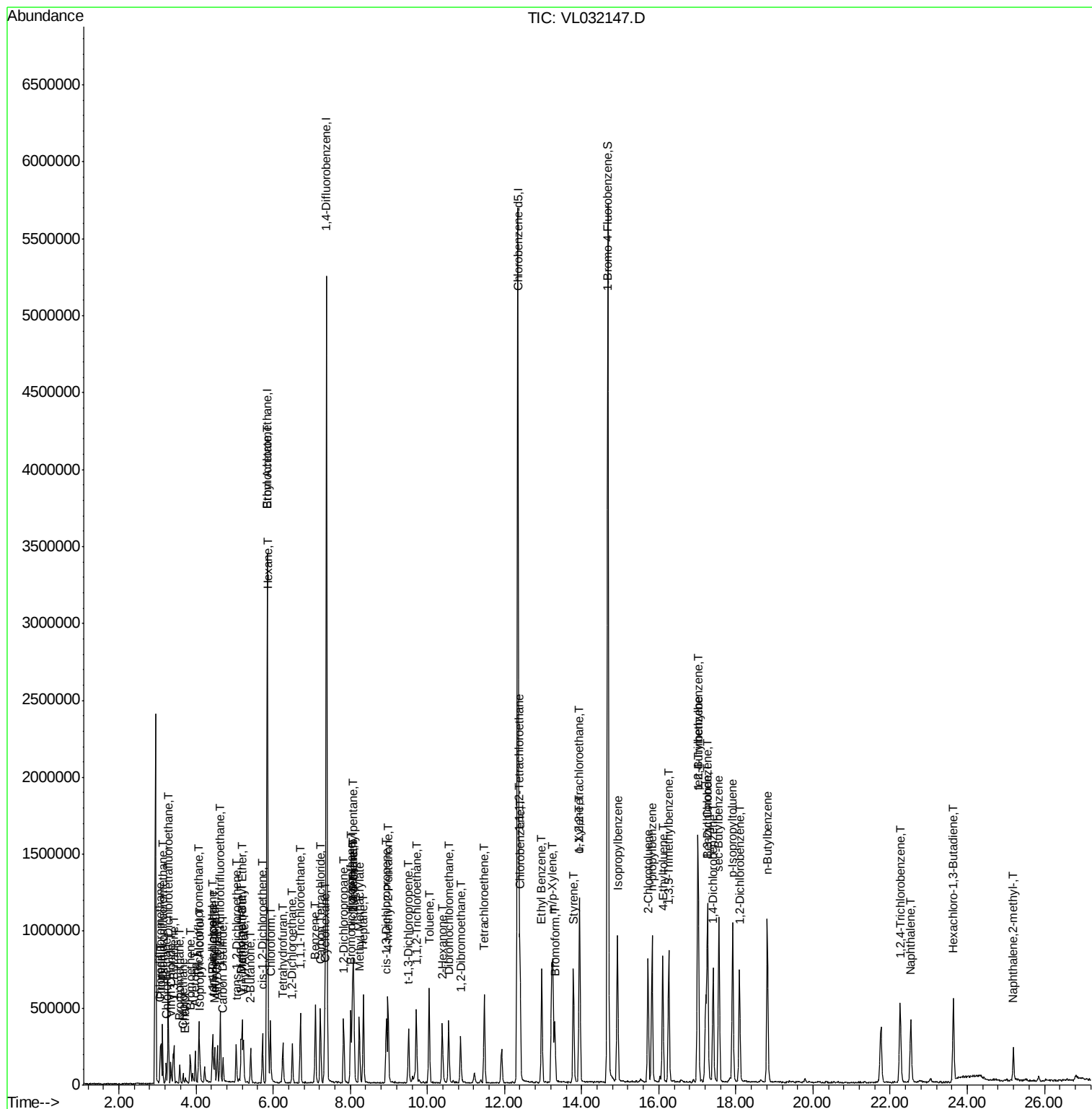
(#) = qualifier out of range (m) = manual integration (+) = signals summed

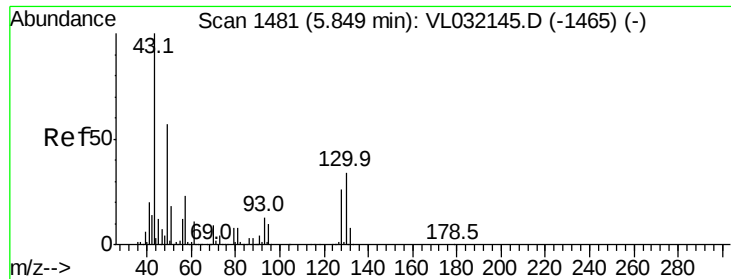
Data File : VL032147.D

```
Acq On       : 29 Jun 2018  19:22
Operator    : SY/AP
Sample      : VSTDICC001
Misc       : 400ml/MSVOA_L
ALS Vial    : 1      Sample Multipl
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jun 29 20:40:42 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

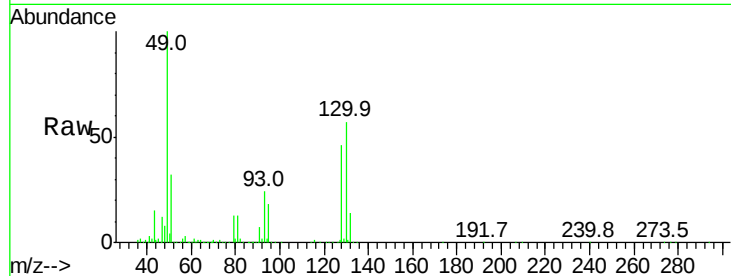
Tgt Ion: 49 Resp: 1566535

Ion Ratio Lower Upper

49 100

128 46.9 23.4 70.0

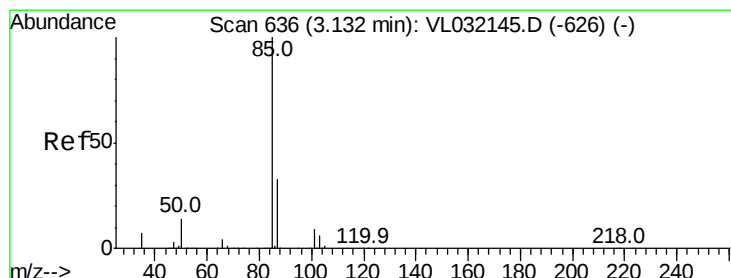
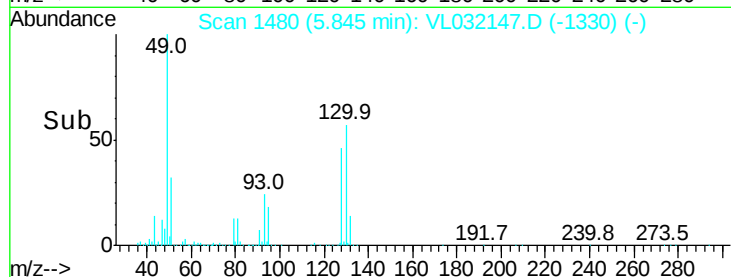
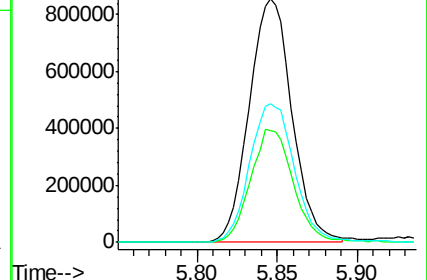
130 60.3 30.3 90.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.629 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032147.D

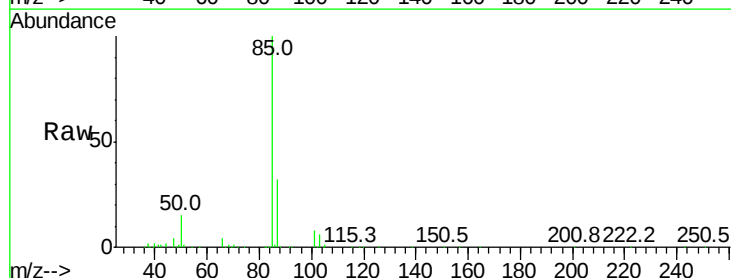
Acq: 29 Jun 2018 19:22

Tgt Ion: 85 Resp: 267598

Ion Ratio Lower Upper

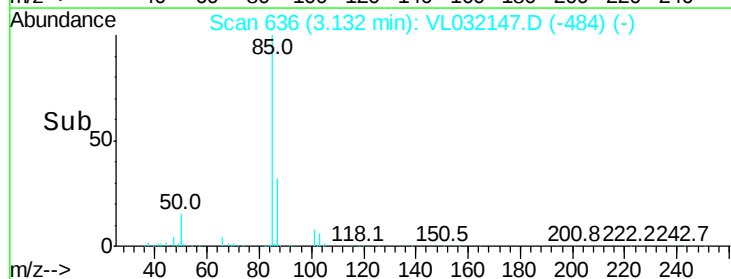
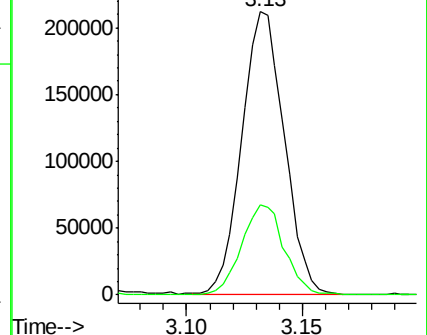
85 100

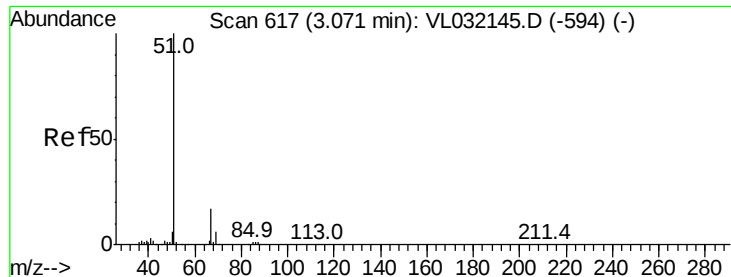
87 31.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.033 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

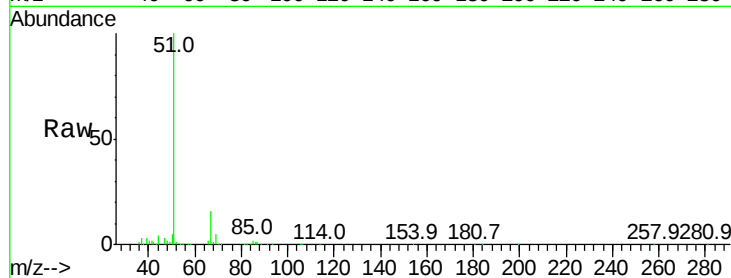
VSTDIC001

Tgt Ion: 51 Resp: 210025

Ion Ratio Lower Upper

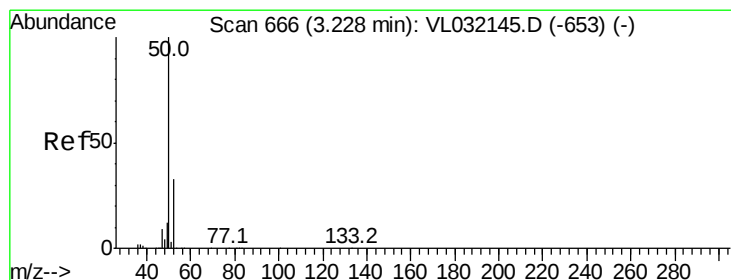
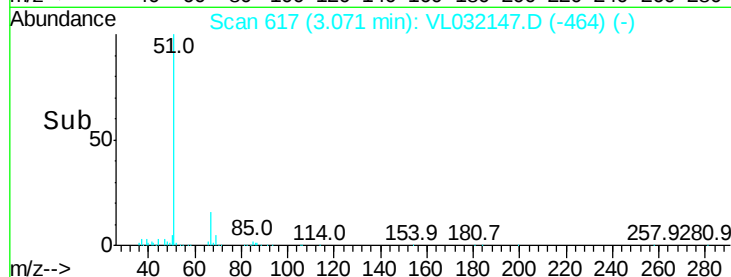
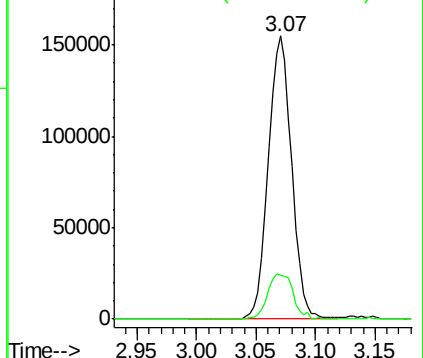
51 100

67 17.7 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.021 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032147.D

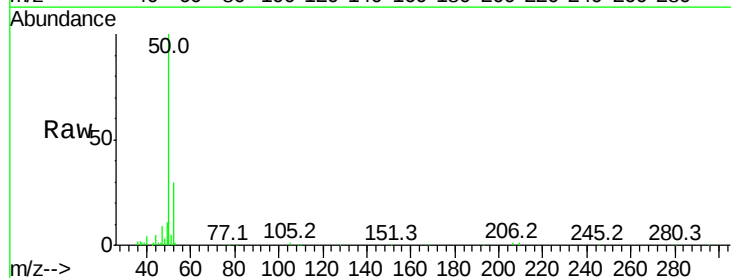
Acq: 29 Jun 2018 19:22

Tgt Ion: 50 Resp: 111018

Ion Ratio Lower Upper

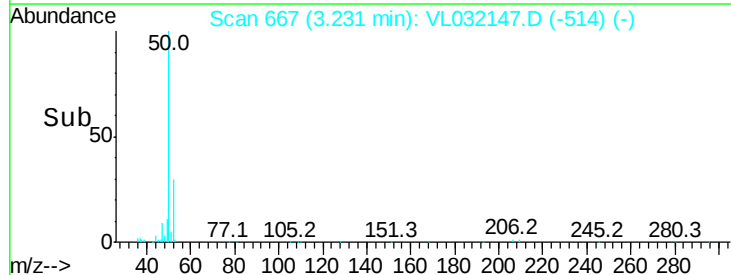
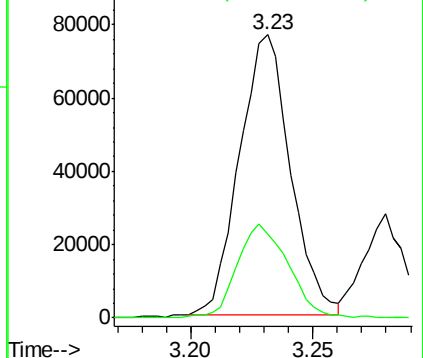
50 100

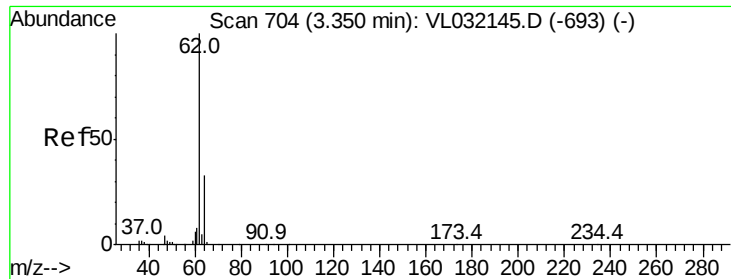
52 29.7 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.971 ppbv

RT: 3.35 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

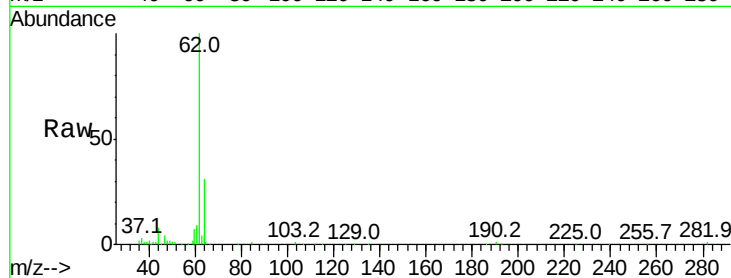
VSTDIC001

Tgt Ion: 62 Resp: 108844

Ion Ratio Lower Upper

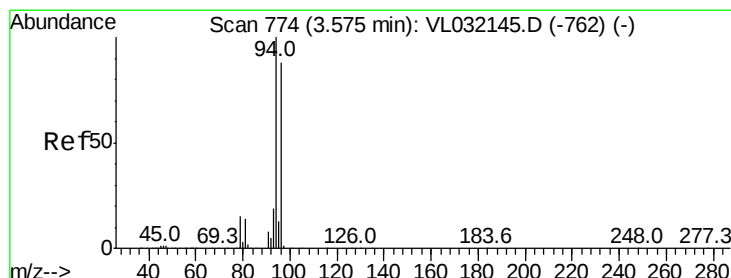
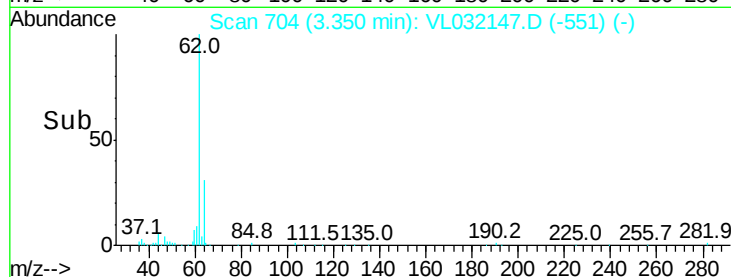
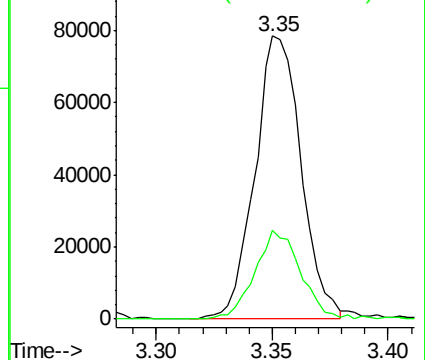
62 100

64 32.3 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.957 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032147.D

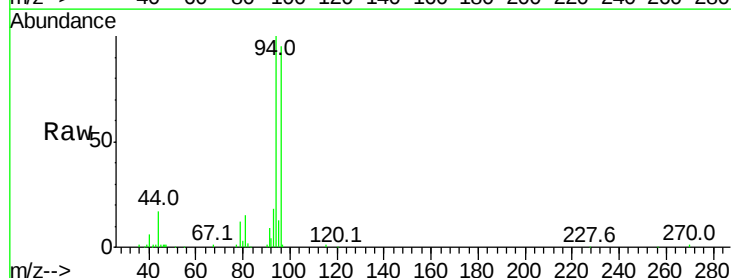
Acq: 29 Jun 2018 19:22

Tgt Ion: 94 Resp: 62297

Ion Ratio Lower Upper

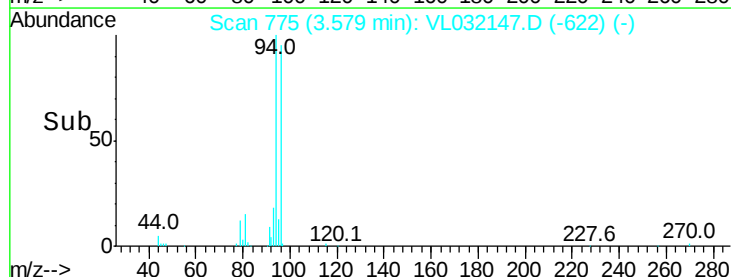
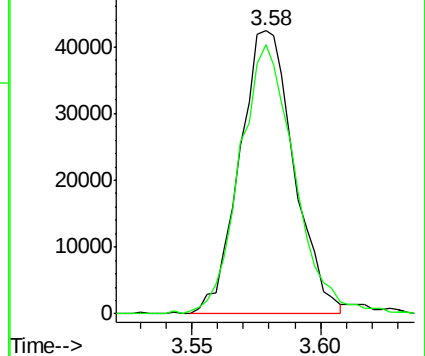
94 100

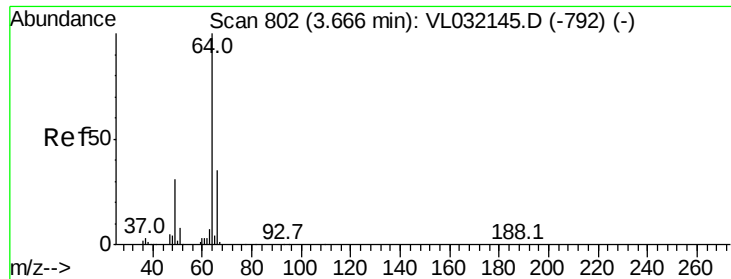
96 93.8 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.911 ppbv

RT: 3.67 min Scan# 803

Delta R.T. -0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

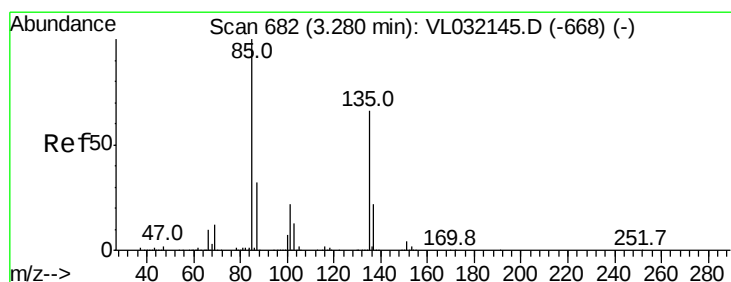
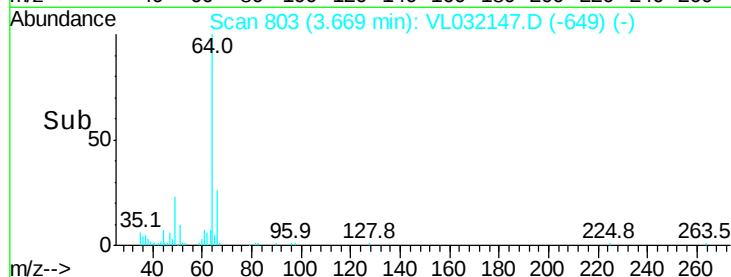
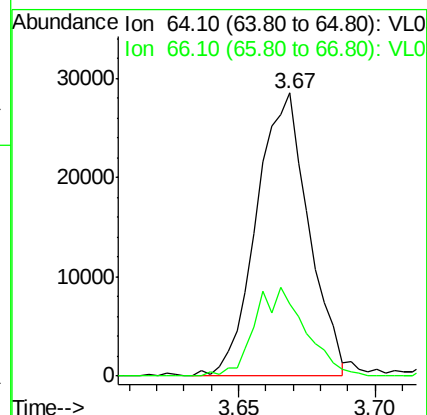
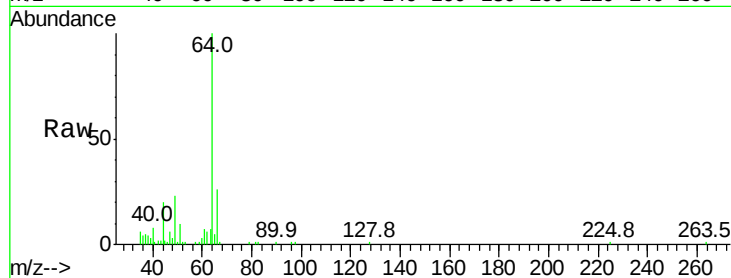
VSTDIC001

Tgt Ion: 64 Resp: 37841

Ion Ratio Lower Upper

64 100

66 25.6 26.9 40.3#



#8

Dichlorotetrafluoroethane

Concen: 1.149 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032147.D

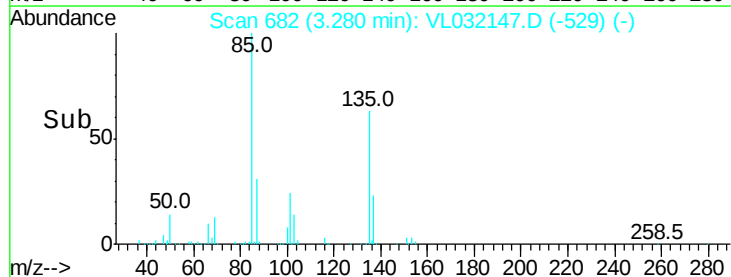
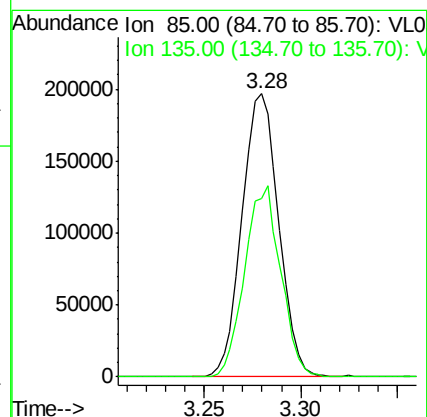
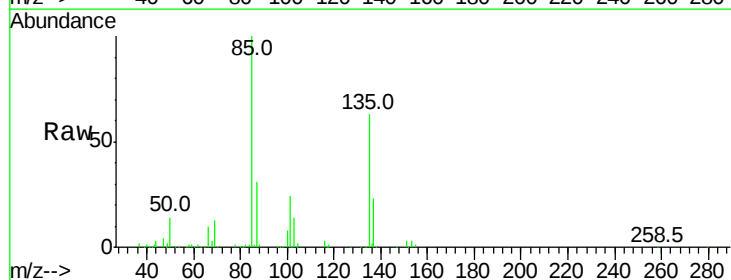
Acq: 29 Jun 2018 19:22

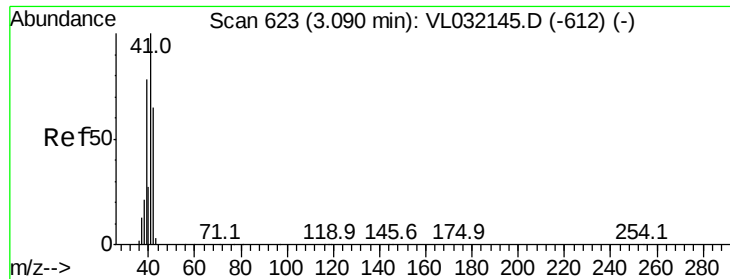
Tgt Ion: 85 Resp: 259720

Ion Ratio Lower Upper

85 100

135 66.4 54.6 82.0





#9

Propene

Concen: 0.966 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

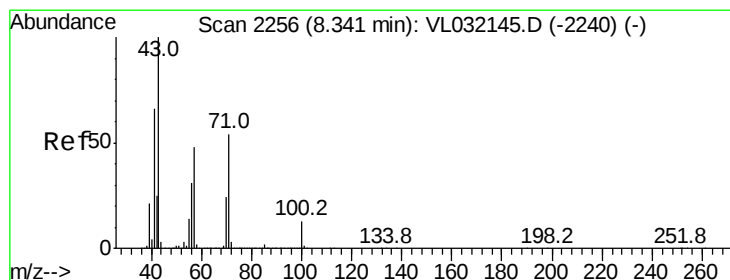
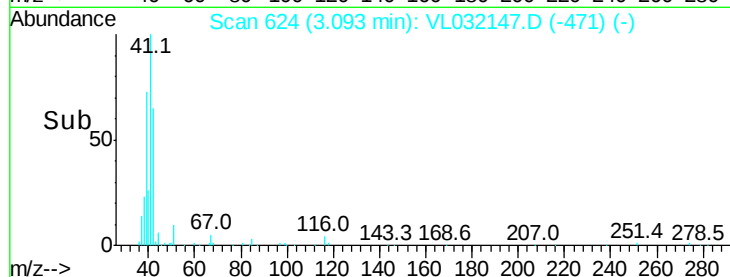
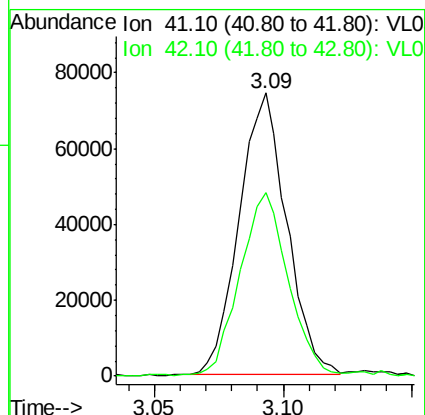
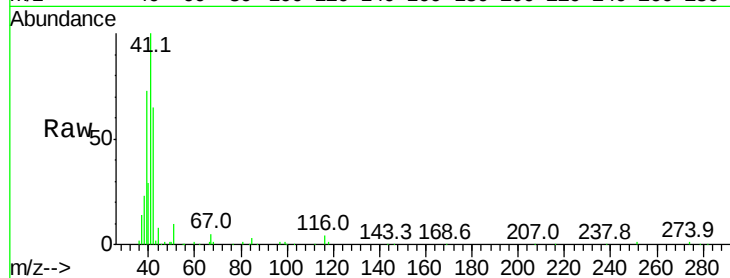
VSTDIC001

Tgt Ion: 41 Resp: 95971

Ion Ratio Lower Upper

41 100

42 67.9 56.2 84.4



#10

Heptane

Concen: 0.971 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. -0.02 min

Lab File: VL032147.D

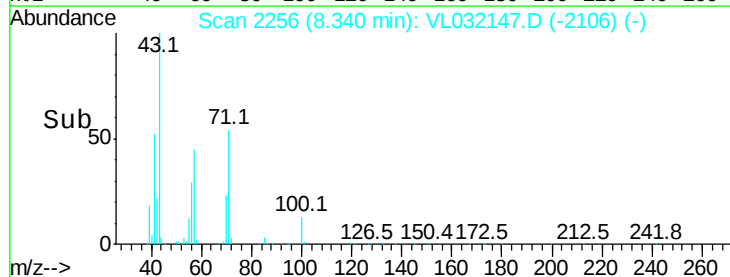
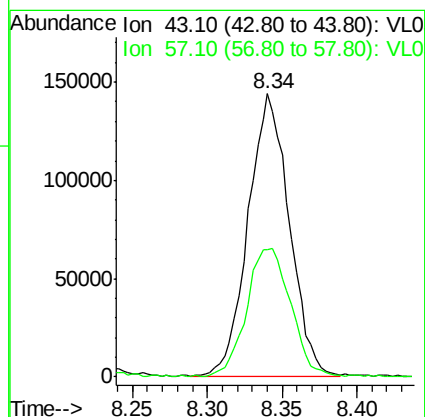
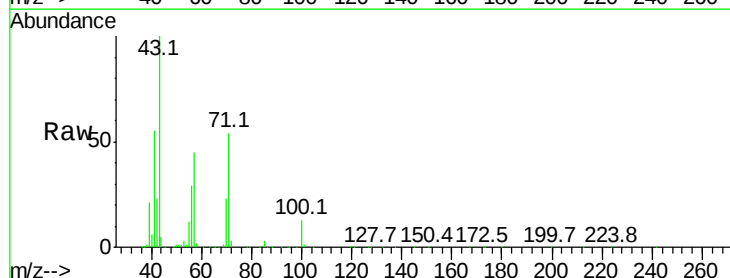
Acq: 29 Jun 2018 19:22

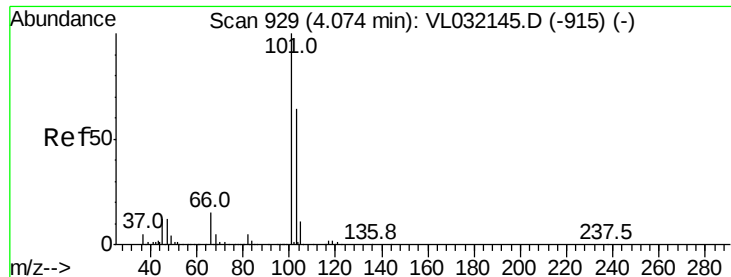
Tgt Ion: 43 Resp: 273585

Ion Ratio Lower Upper

43 100

57 48.8 39.8 59.8

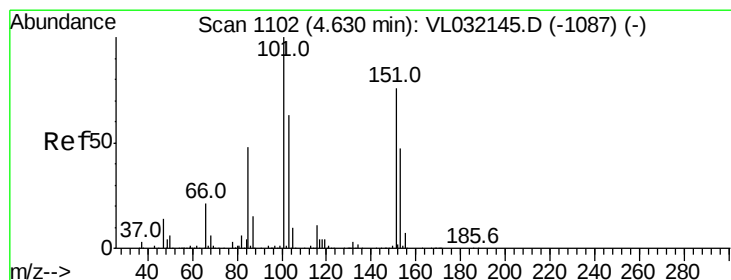
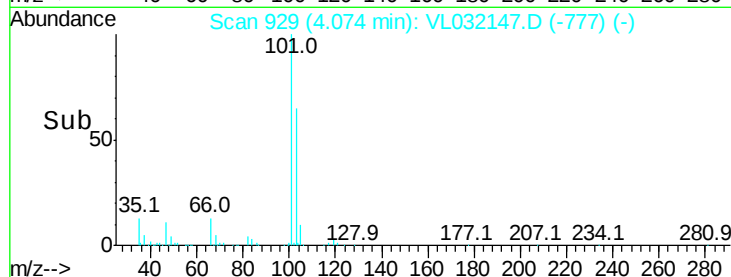
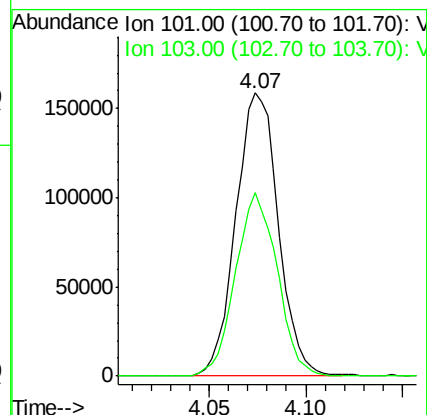
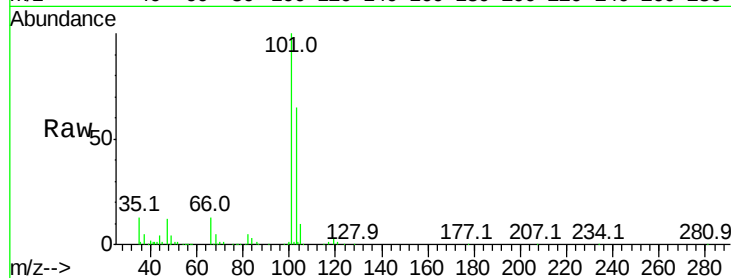




#11
 Trichlorofluoromethane
 Concen: 1.121 ppbv
 RT: 4.07 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

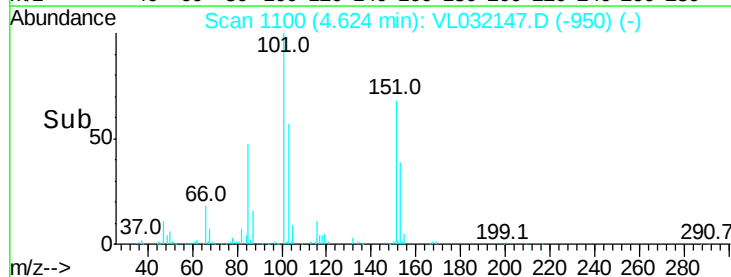
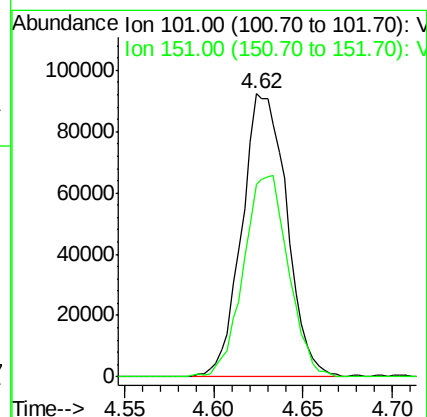
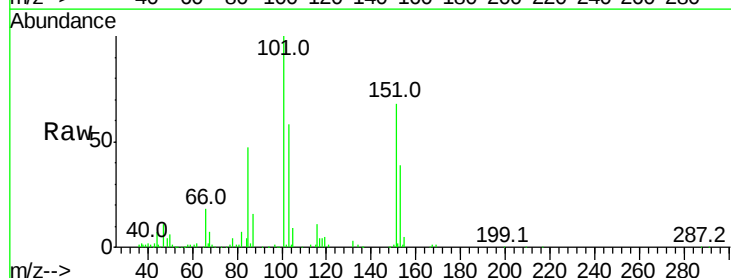
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

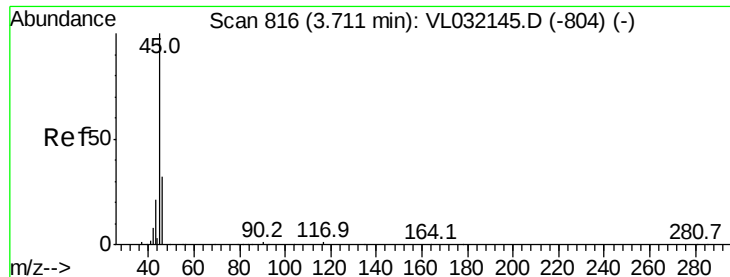
Tgt Ion:101 Resp: 242597
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.107 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion:101 Resp: 162190
 Ion Ratio Lower Upper
 101 100
 151 71.2 58.8 88.2





#13

Ethanol

Concen: 0.481 ppbv

RT: 3.72 min Scan# 820

Delta R.T. -0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

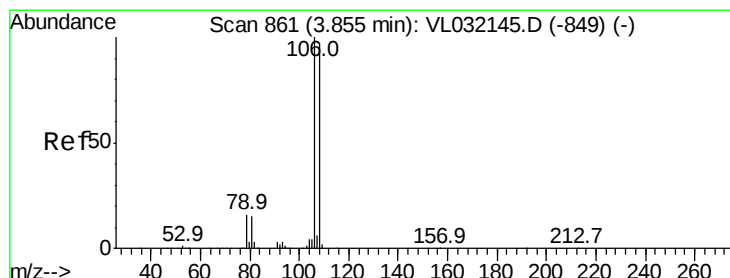
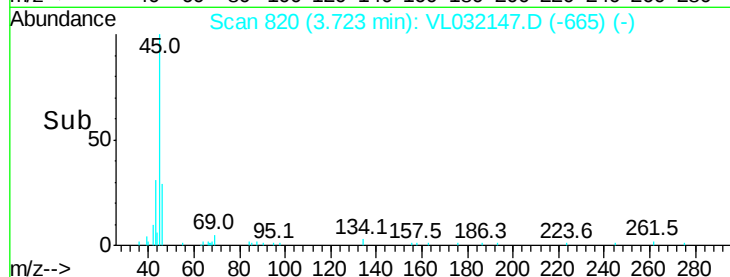
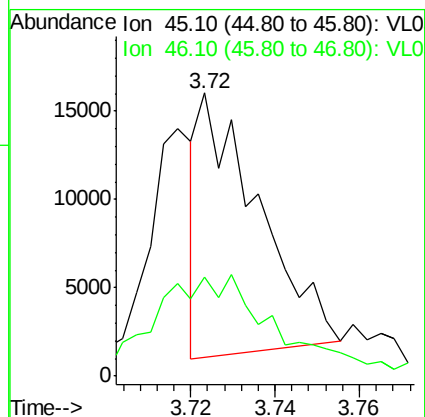
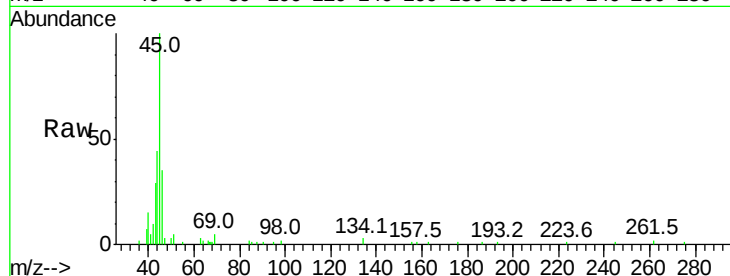
VSTDIC001

Tgt Ion: 45 Resp: 14409

Ion Ratio Lower Upper

45 100

46 80.7 14.6 58.4#



#14

Bromoethene

Concen: 1.042 ppbv

RT: 3.86 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

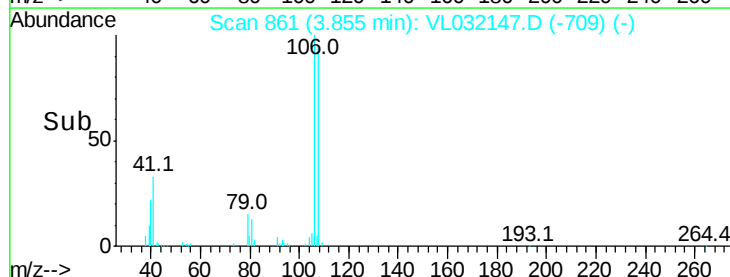
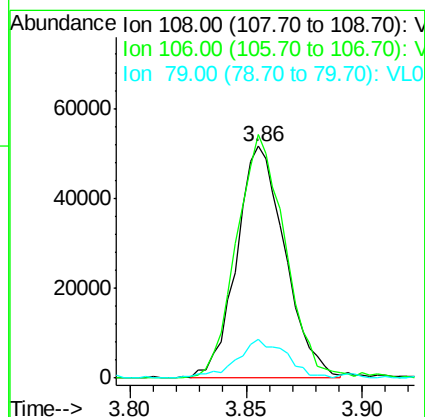
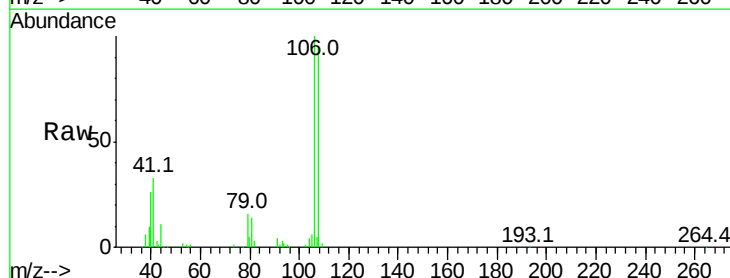
Tgt Ion: 108 Resp: 74834

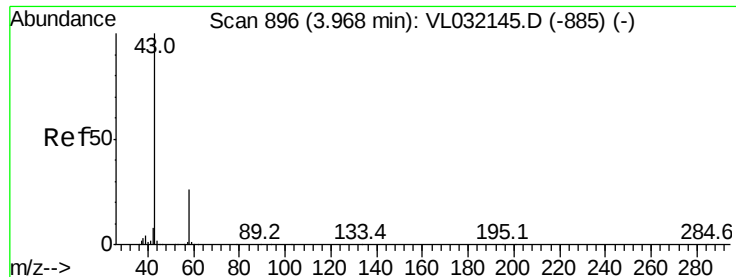
Ion Ratio Lower Upper

108 100

106 106.7 86.3 129.5

79 17.8 12.7 19.1





#15

Acetone

Concen: 0.951 ppbv

RT: 3.98 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

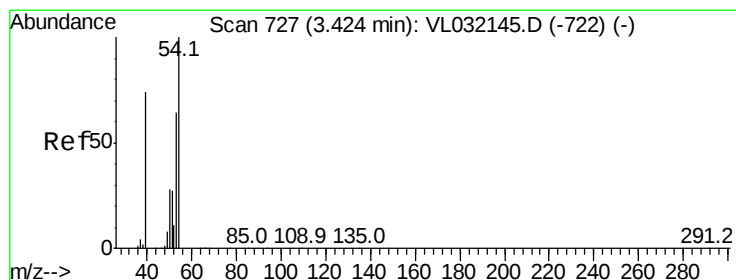
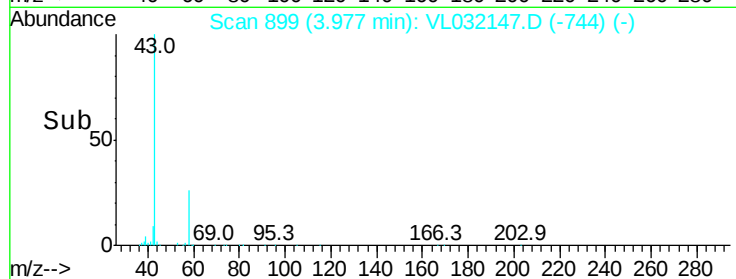
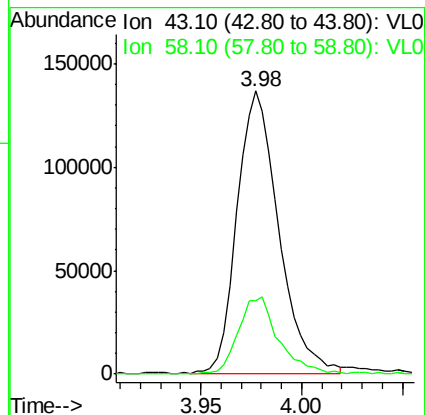
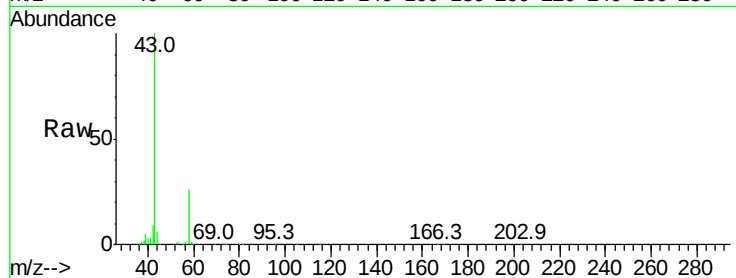
VSTDIC001

Tgt Ion: 43 Resp: 197901

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0



#16

1,3-Butadiene

Concen: 0.882 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032147.D

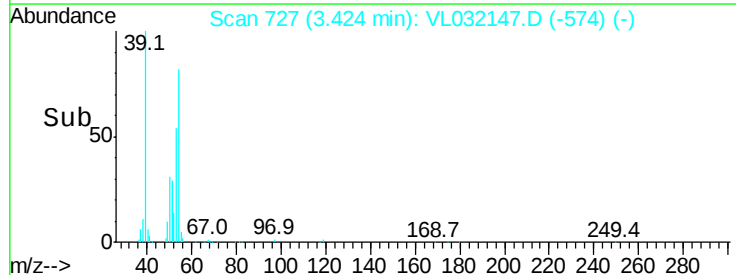
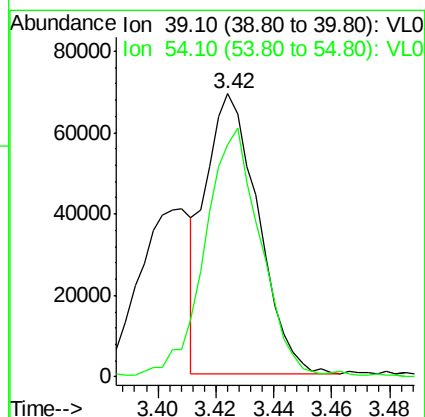
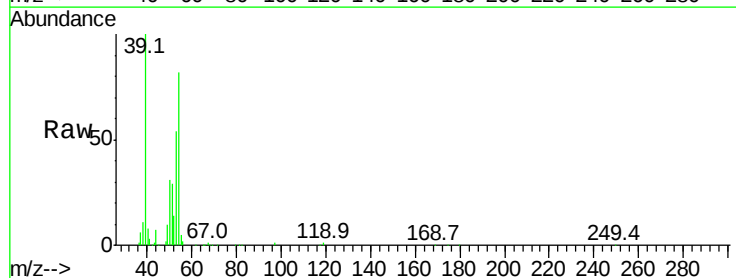
Acq: 29 Jun 2018 19:22

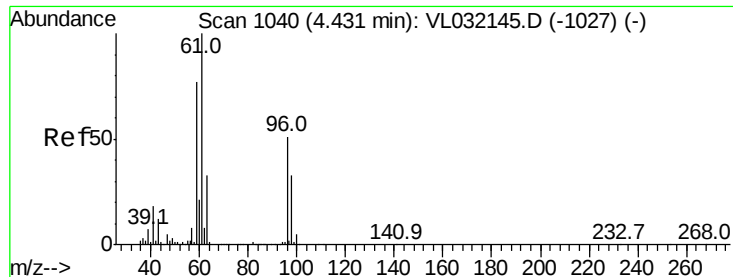
Tgt Ion: 39 Resp: 86215

Ion Ratio Lower Upper

39 100

54 95.9 75.8 113.6





#17

tert-Butyl alcohol

Concen: 0.977 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

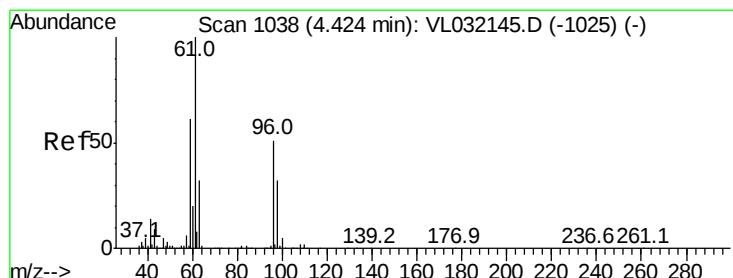
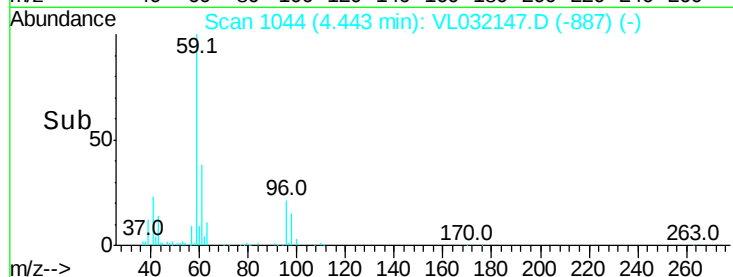
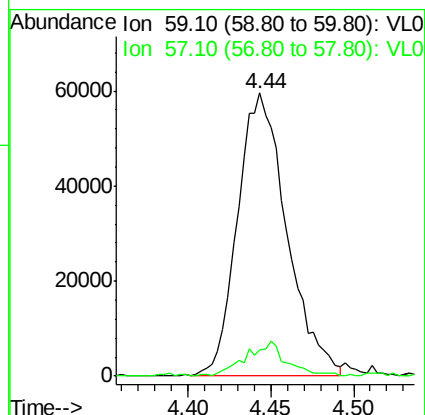
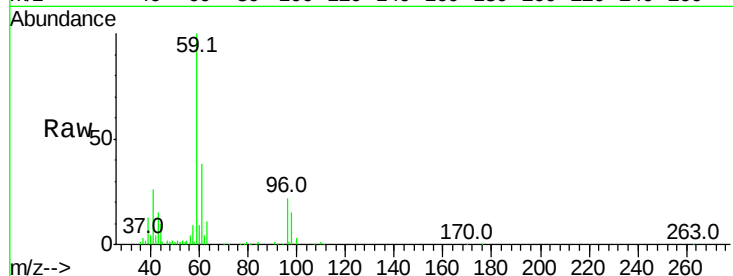
VSTDIC001

Tgt Ion: 59 Resp: 122308

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



#18

1,1-Dichloroethene

Concen: 1.046 ppbv

RT: 4.42 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

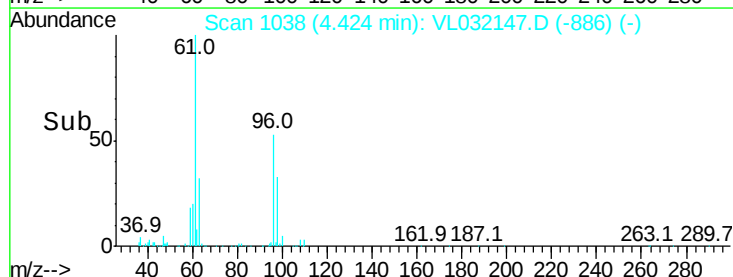
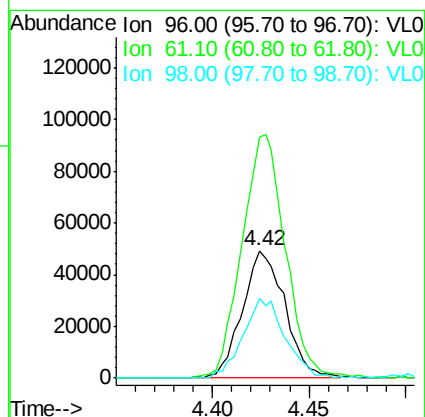
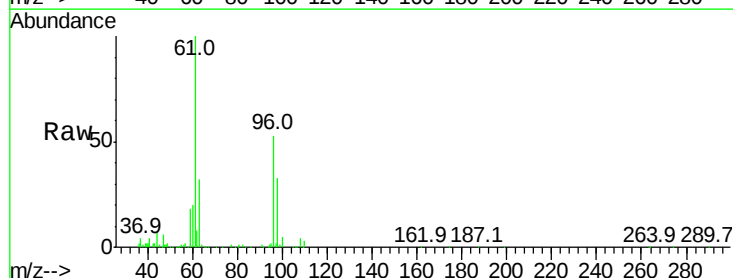
Tgt Ion: 96 Resp: 75243

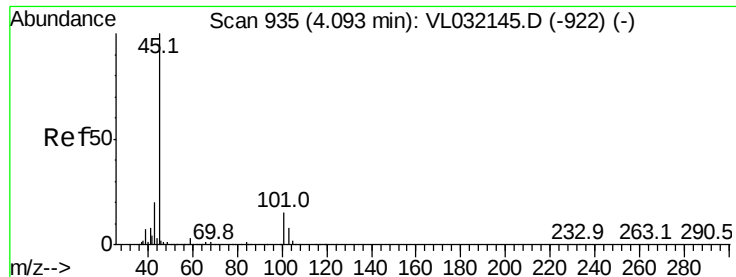
Ion Ratio Lower Upper

96 100

61 189.6 154.1 231.1

98 62.4 50.3 75.5





#19

Isopropyl Alcohol

Concen: 0.980 ppbv

RT: 4.10 min Scan# 938

Delta R.T. -0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

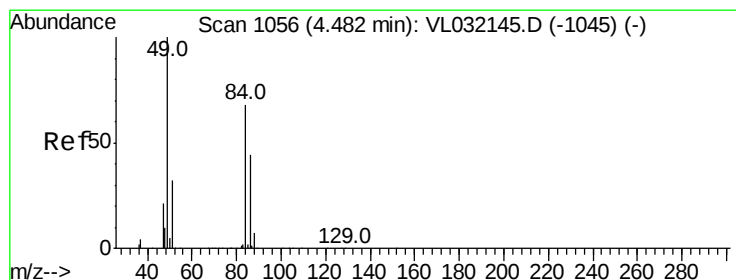
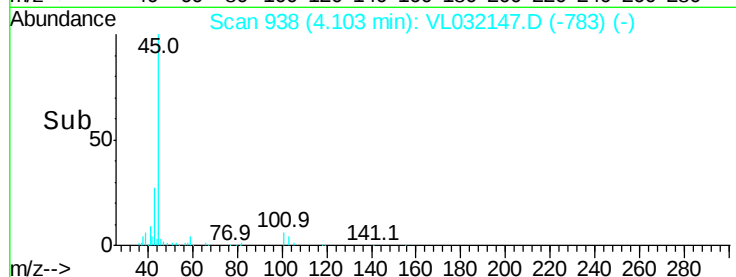
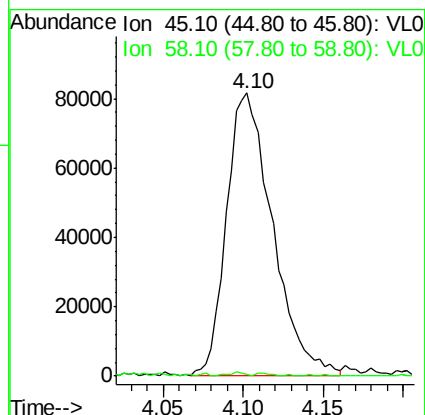
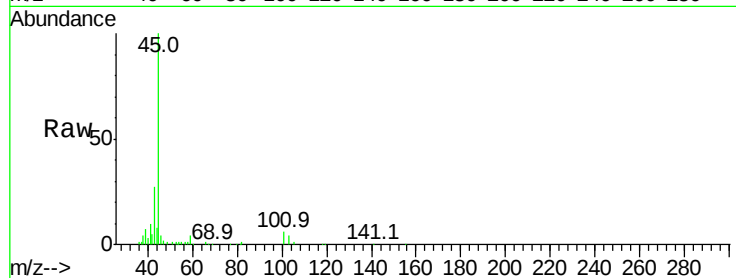
VSTDIC001

Tgt Ion: 45 Resp: 160076

Ion Ratio Lower Upper

45 100

58 33.8 29.4 44.0



#20

Methylene Chloride

Concen: 1.063 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 84 Resp: 74754

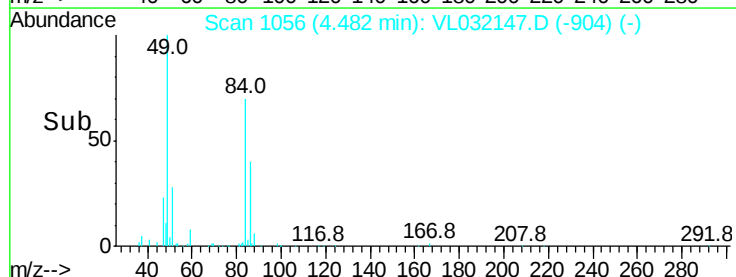
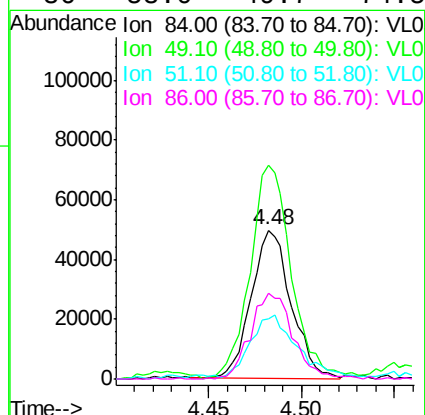
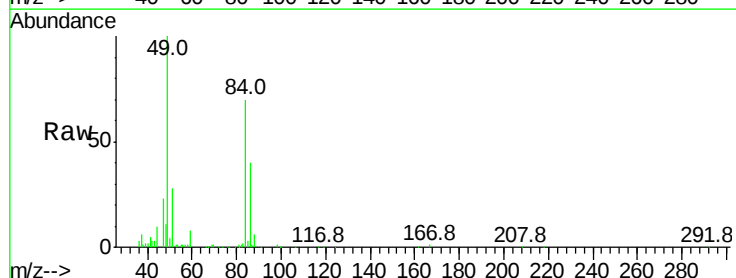
Ion Ratio Lower Upper

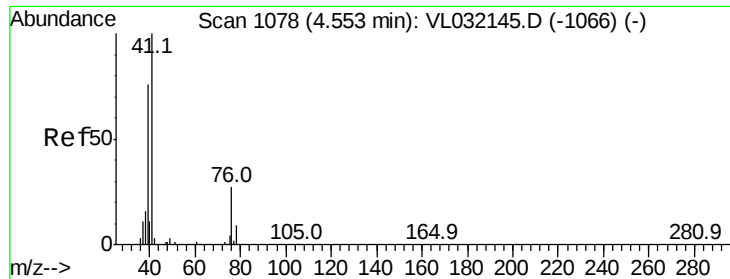
84 100

49 142.0 119.6 179.4

51 39.0 36.3 54.5

86 58.0 49.7 74.5

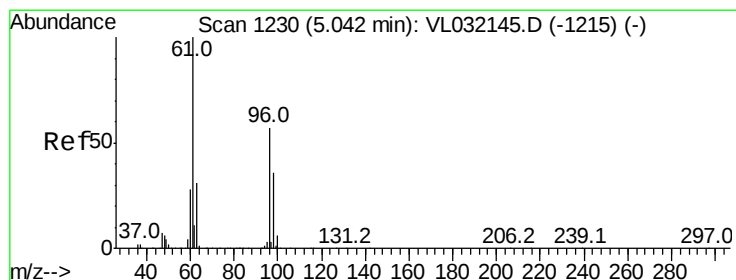
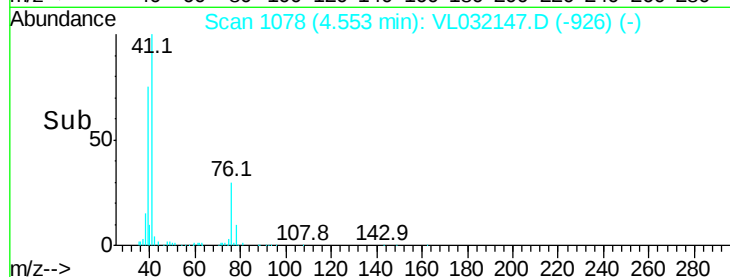
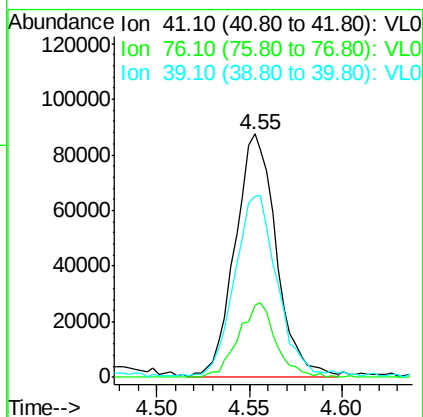
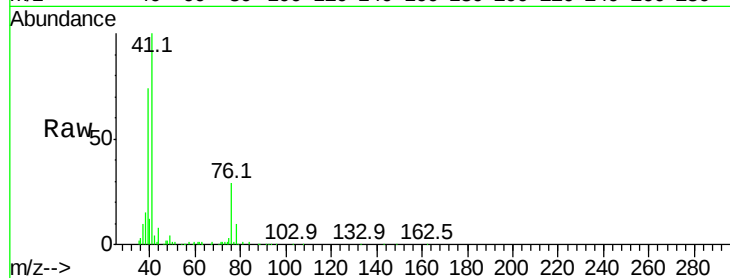




#21
 Allyl Chloride
 Concen: 1.042 ppbv
 RT: 4.55 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

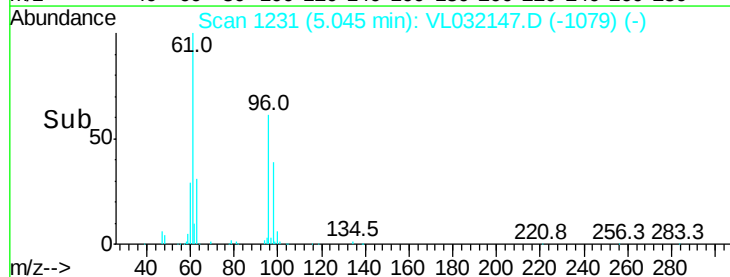
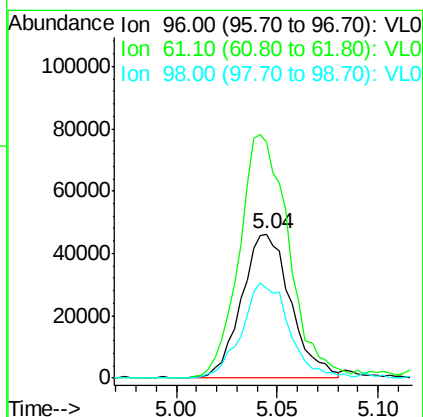
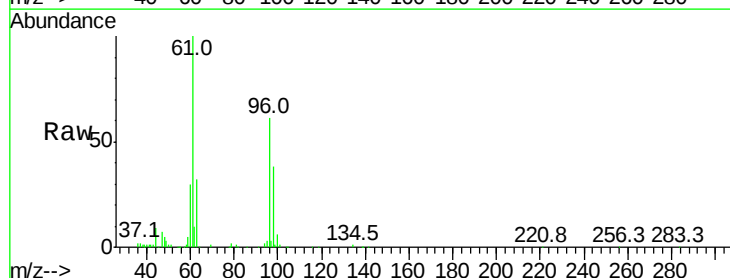
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

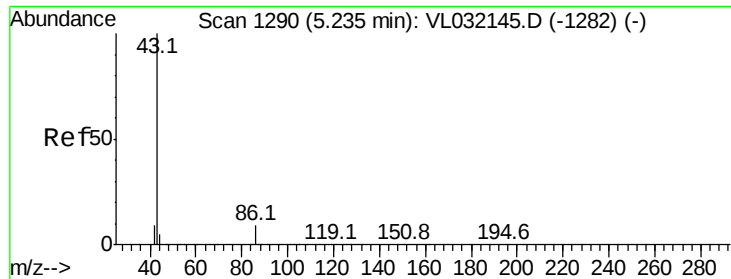
Tgt Ion: 41 Resp: 134583
 Ion Ratio Lower Upper
 41 100
 76 28.4 22.5 33.7
 39 78.7 60.5 90.7



#22
 trans-1,2-Dichloroethene
 Concen: 1.078 ppbv
 RT: 5.04 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion: 96 Resp: 78888
 Ion Ratio Lower Upper
 96 100
 61 163.9 135.2 202.8
 98 62.6 49.7 74.5





#23

Vinyl Acetate

Concen: 1.086 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 344087

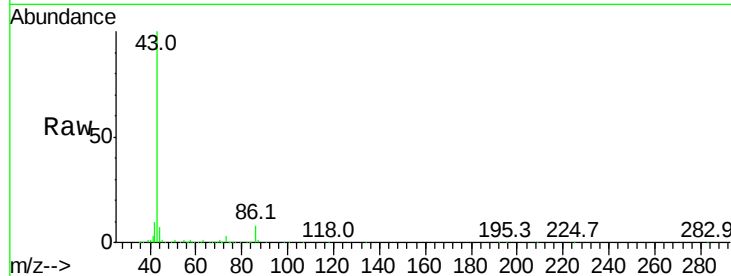
Ion Ratio Lower Upper

43 100

86 8.2 6.2 9.4

42 9.5 6.9 10.3

44 4.8 3.8 5.8

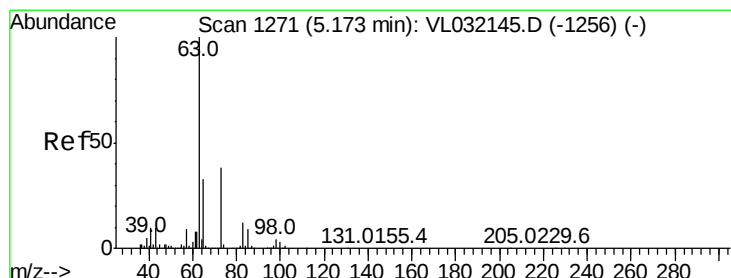
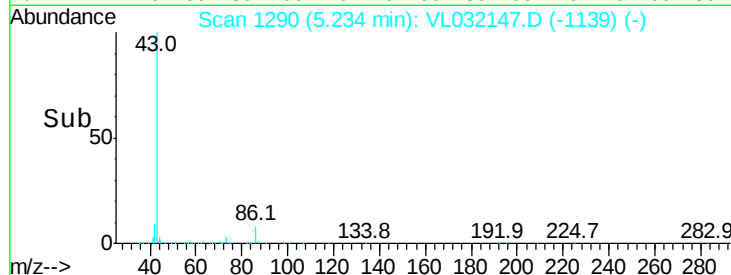
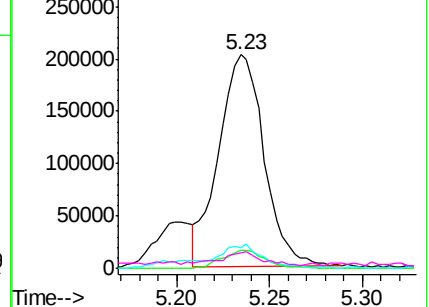


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.934 ppbv

RT: 5.17 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

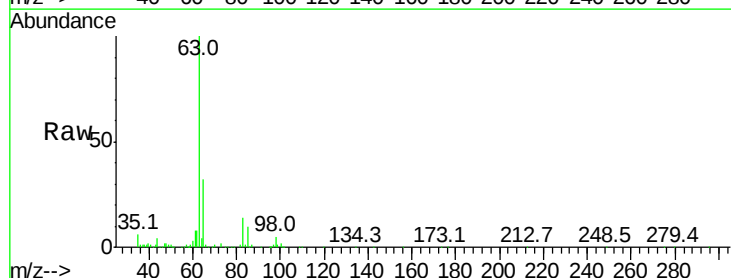
Tgt Ion: 63 Resp: 222689

Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.2

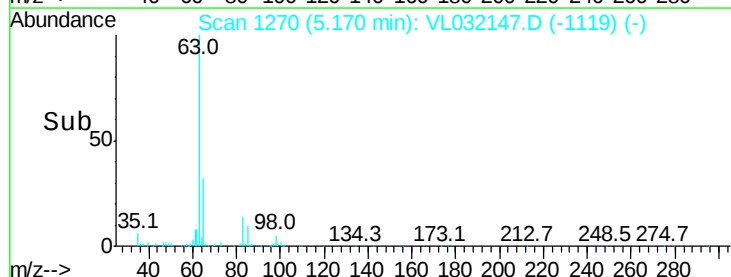
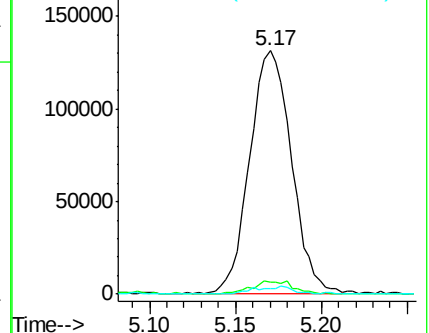
100 2.3 1.7 5.0

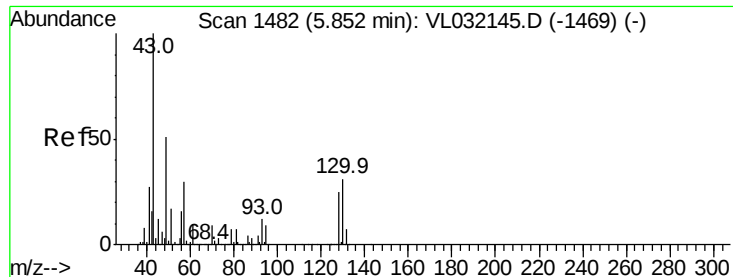


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.883 ppbv

RT: 5.85 min Scan# 1483

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 403037

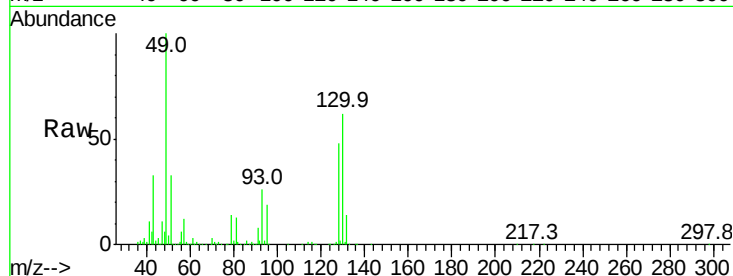
Ion Ratio Lower Upper

43 100

45 10.3 7.8 11.8

61 9.2 7.4 11.0

70 7.6 6.1 9.1



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

300000

250000

200000

150000

100000

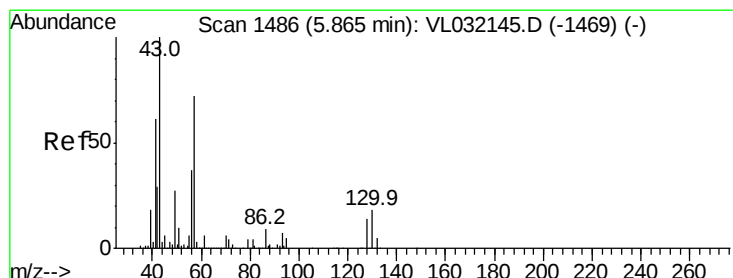
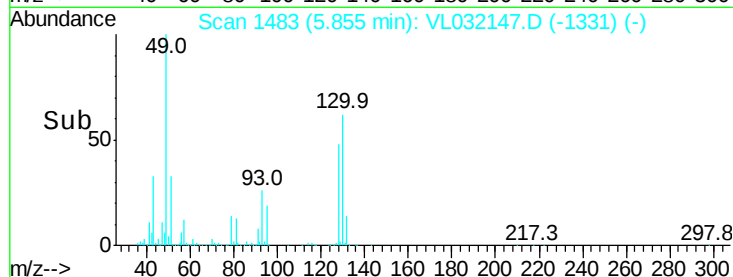
50000

0

5.85

5.80 5.85 5.90

Time-->



#26

Hexane

Concen: 0.926 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 57 Resp: 187322

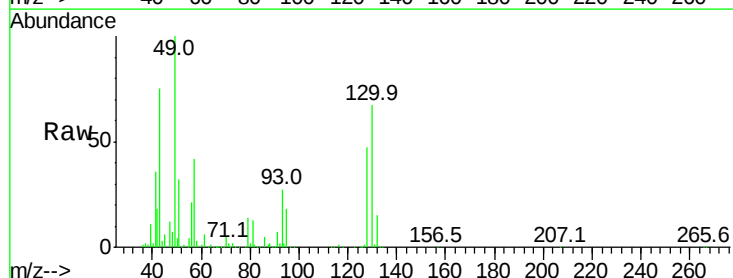
Ion Ratio Lower Upper

57 100

41 87.3 68.6 103.0

43 222.4 168.6 252.8

56 53.2 41.0 61.6



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

300000

250000

200000

150000

100000

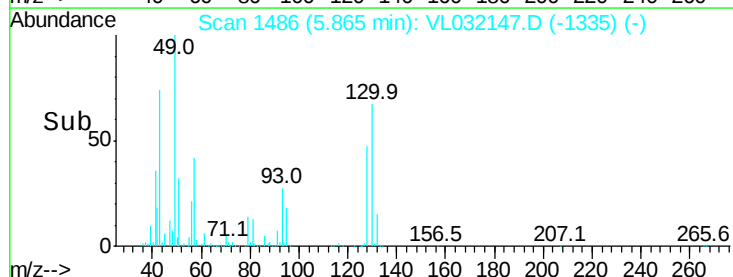
50000

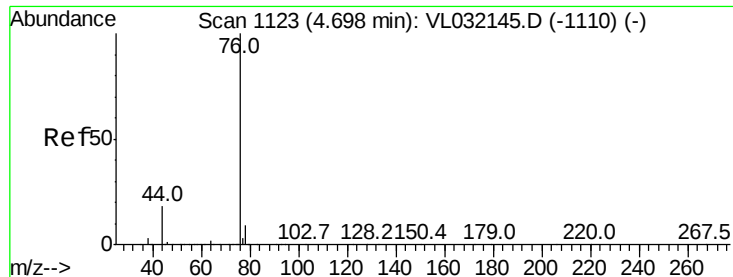
0

5.86

5.80 5.85 5.90

Time-->





#27

Carbon Disulfide

Concen: 0.894 ppbv

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

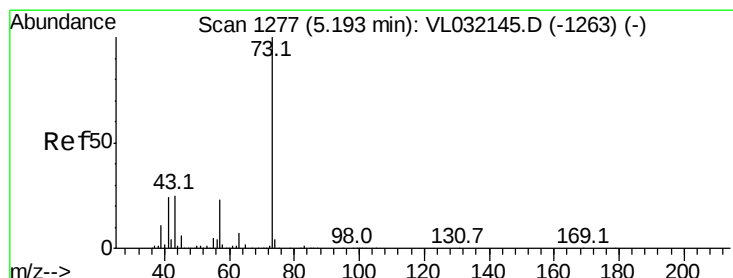
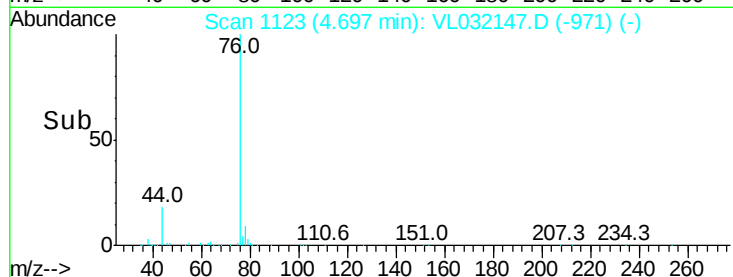
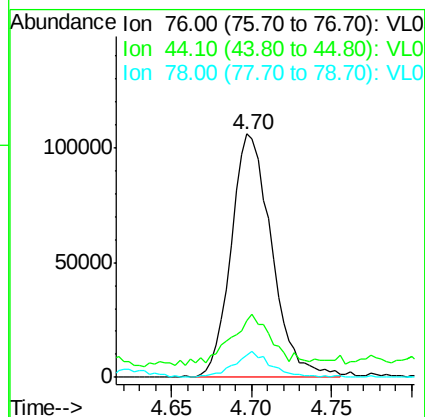
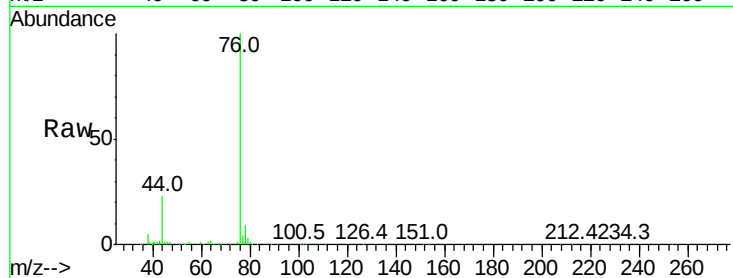
Tgt Ion: 76 Resp: 180975

Ion Ratio Lower Upper

76 100

44 24.4 15.1 22.7#

78 10.1 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 1.269 ppbv

RT: 5.20 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL032147.D

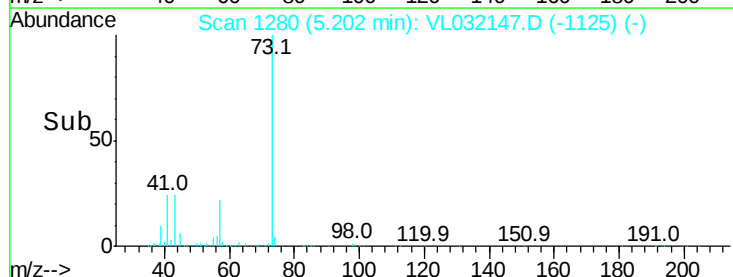
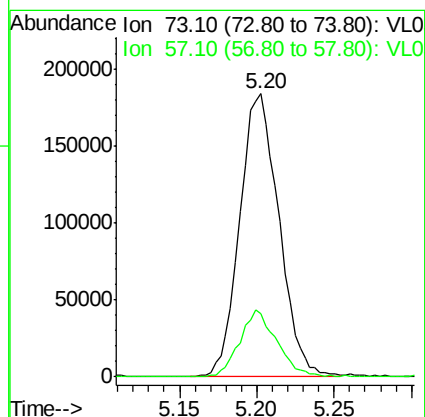
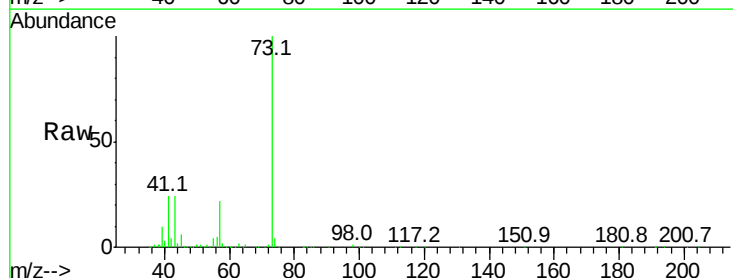
Acq: 29 Jun 2018 19:22

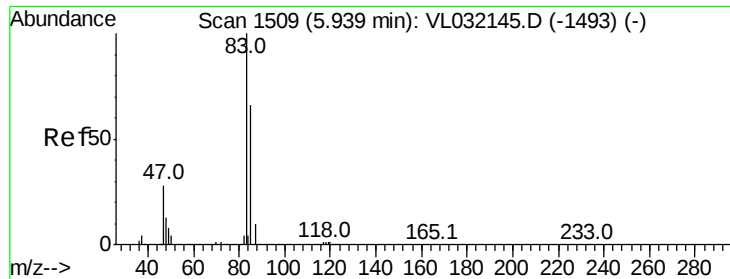
Tgt Ion: 73 Resp: 324789

Ion Ratio Lower Upper

73 100

57 22.5 18.6 27.8





#29

Chloroform

Concen: 1.001 ppbv

RT: 5.93 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

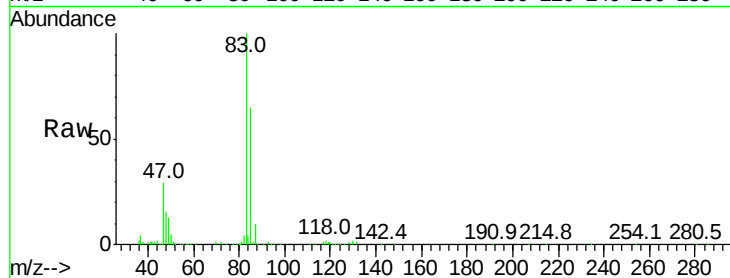
VSTDIC001

Tgt Ion: 83 Resp: 267483

Ion Ratio Lower Upper

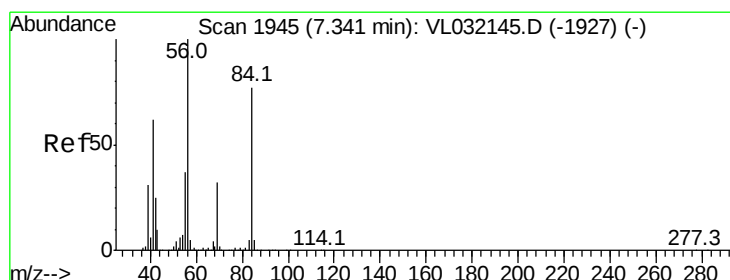
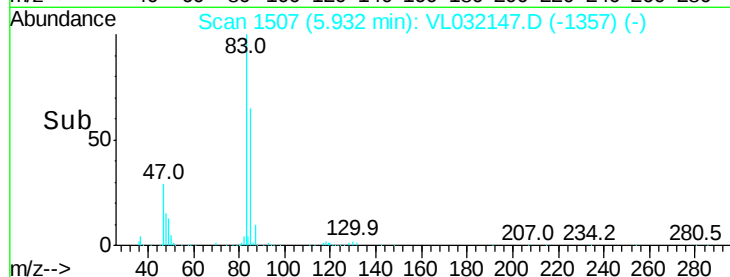
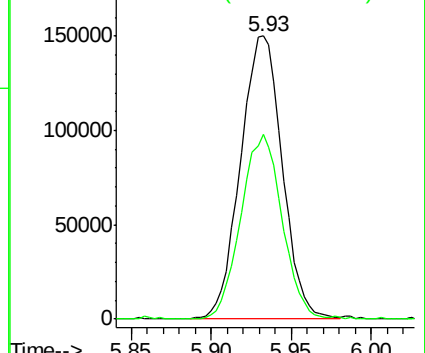
83 100

85 65.0 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.657 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

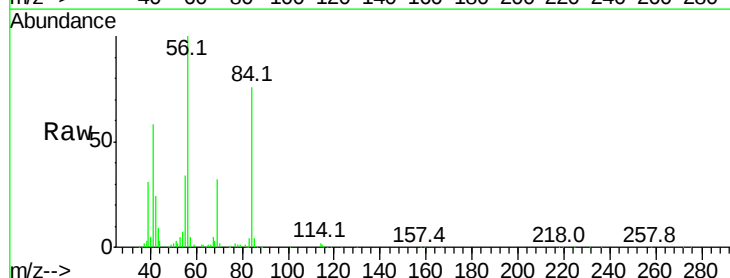
Tgt Ion: 84 Resp: 109536

Ion Ratio Lower Upper

84 100

56 210.8 109.1 163.7#

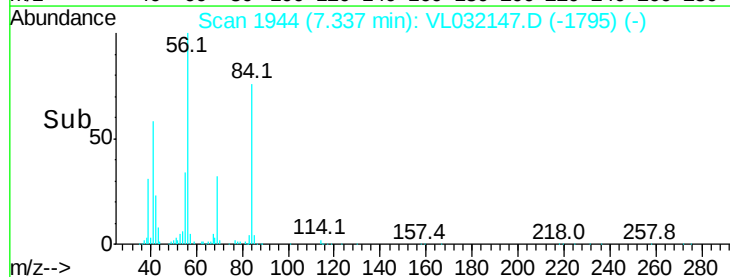
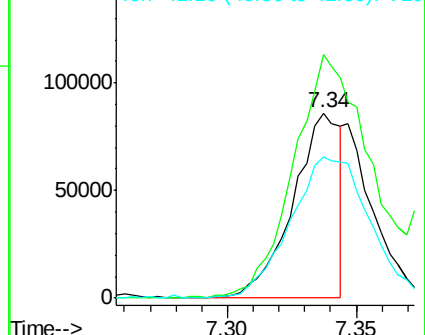
41 126.6 64.6 96.8#

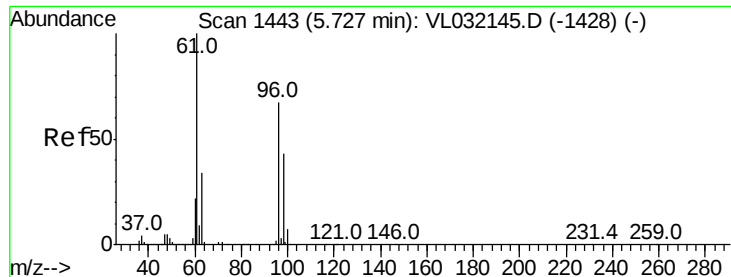


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.998 ppbv

RT: 5.72 min Scan# 1442

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

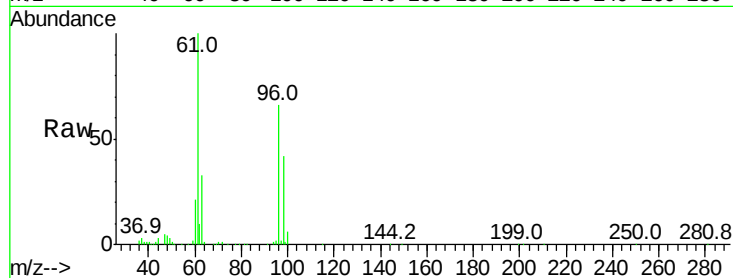
Tgt Ion: 61 Resp: 179750

Ion Ratio Lower Upper

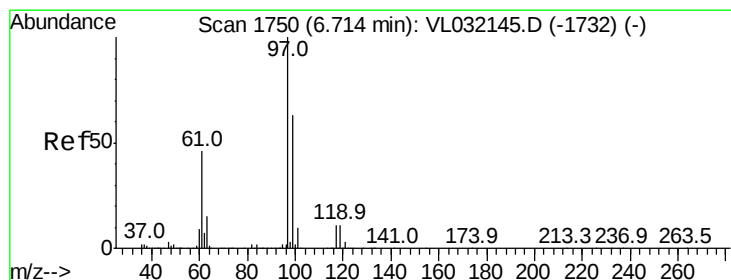
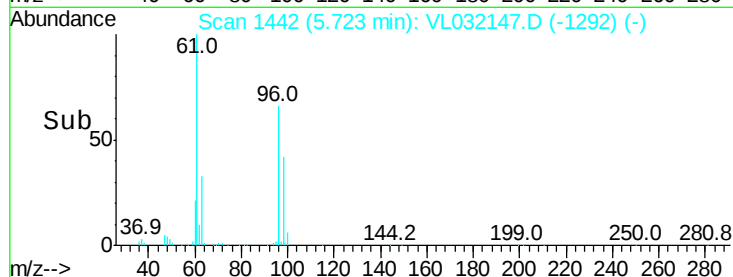
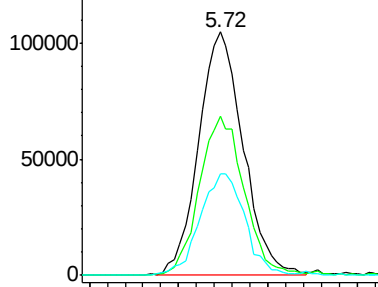
61 100

96 65.1 54.2 81.4

98 41.4 34.6 52.0



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.016 ppbv

RT: 6.71 min Scan# 1748

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

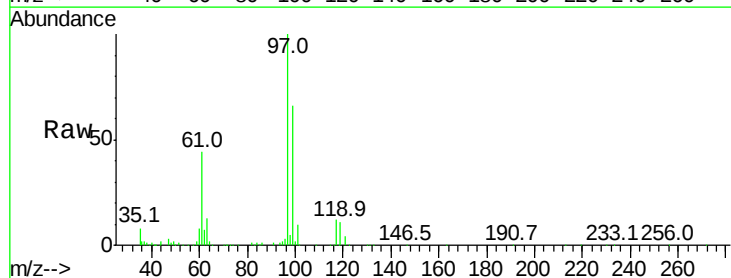
Tgt Ion: 97 Resp: 282941

Ion Ratio Lower Upper

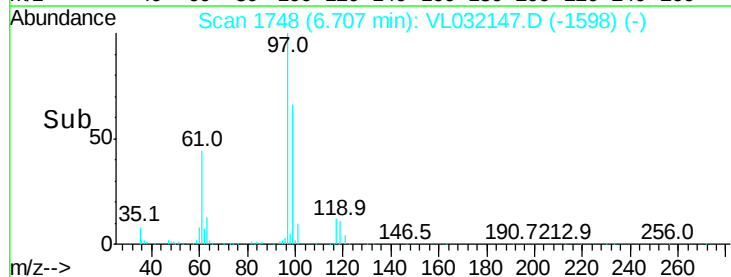
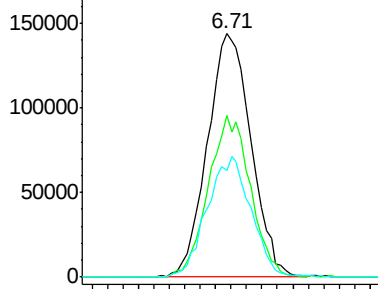
97 100

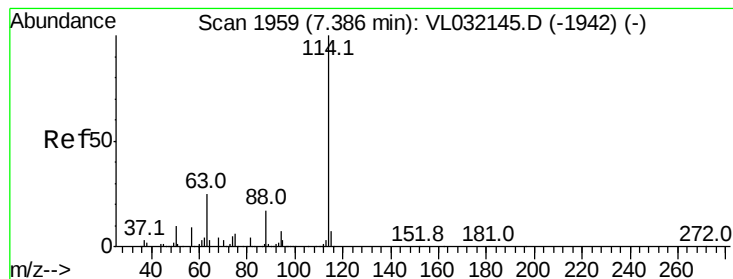
99 64.1 51.3 76.9

61 49.8 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

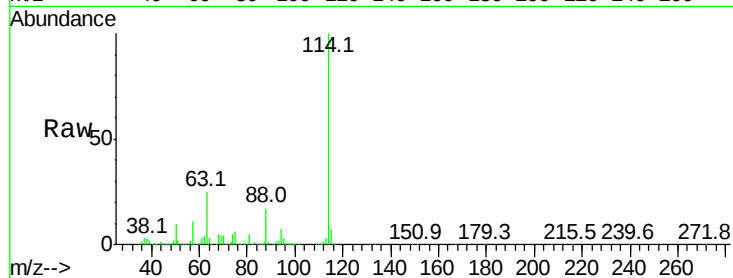
Tgt Ion:114 Resp: 4003099

Ion Ratio Lower Upper

114 100

63 25.0 19.1 28.7

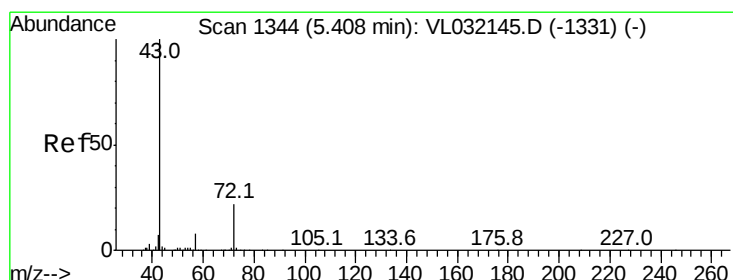
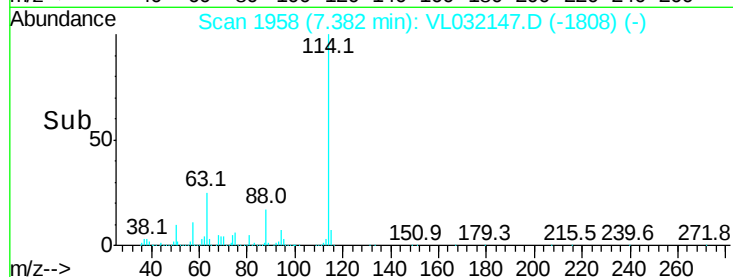
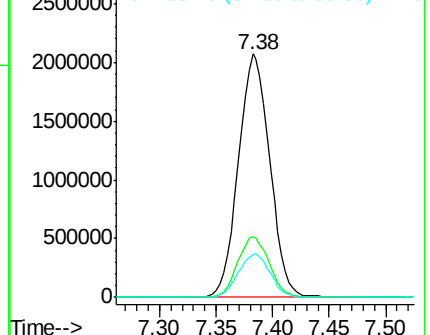
88 18.1 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.809 ppbv

RT: 5.42 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VL032147.D

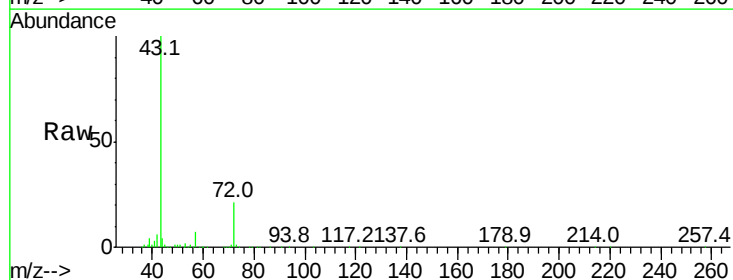
Acq: 29 Jun 2018 19:22

Tgt Ion: 43 Resp: 262759

Ion Ratio Lower Upper

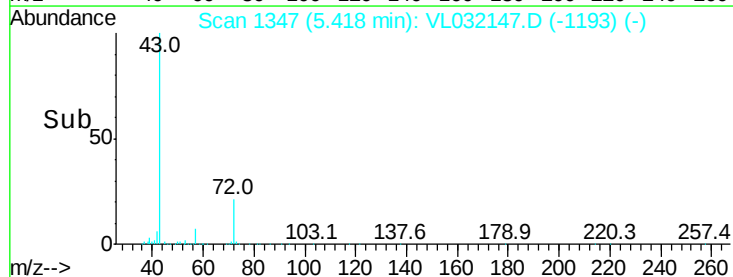
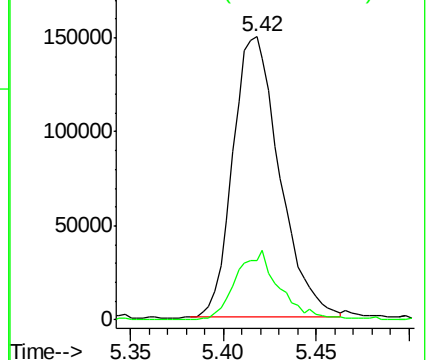
43 100

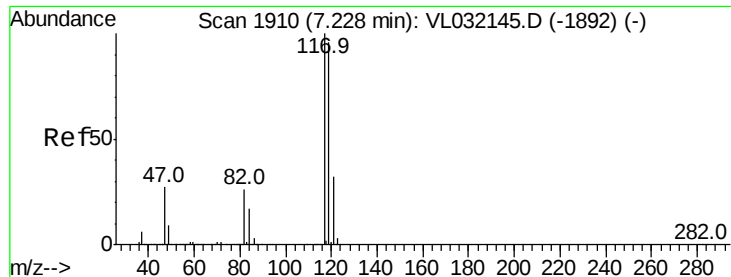
72 23.2 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.050 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

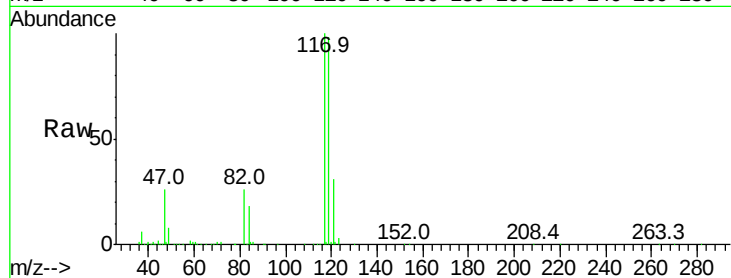
Tgt Ion: 117 Resp: 291741

Ion Ratio Lower Upper

117 100

119 98.3 74.8 112.2

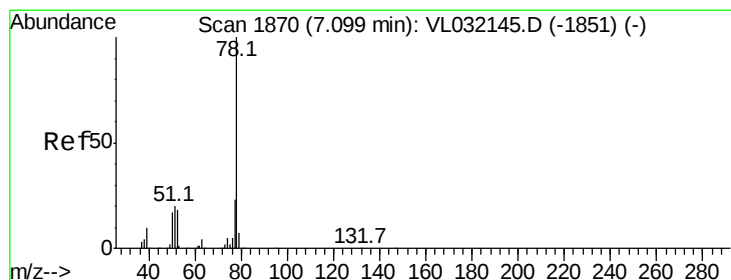
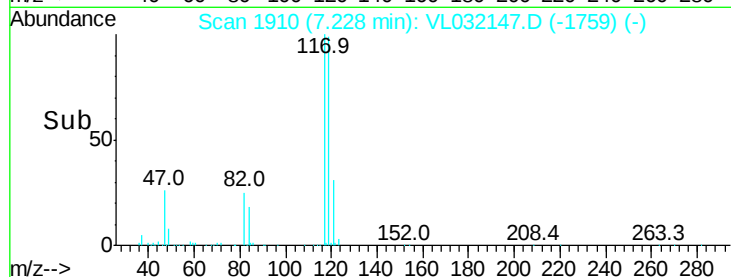
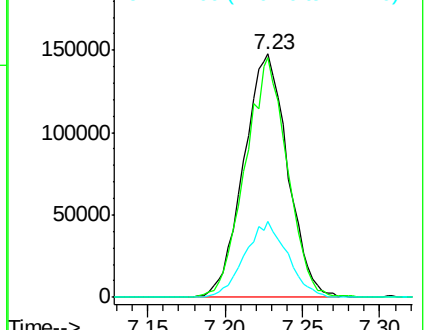
121 31.1 24.0 36.0



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: 1.007 ppbv

RT: 7.10 min Scan# 1870

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

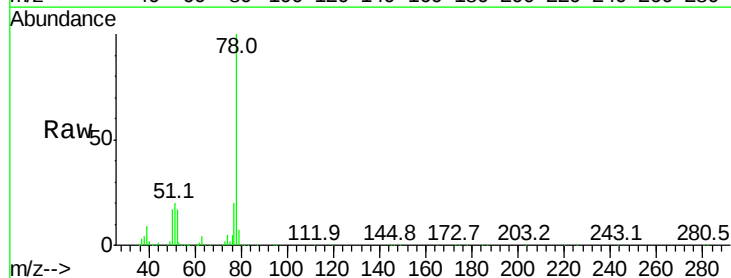
Tgt Ion: 78 Resp: 436962

Ion Ratio Lower Upper

78 100

77 19.8 17.7 26.5

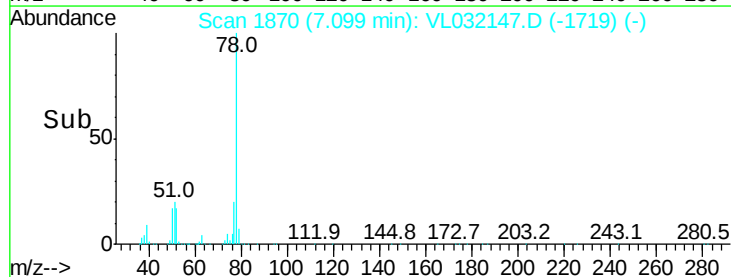
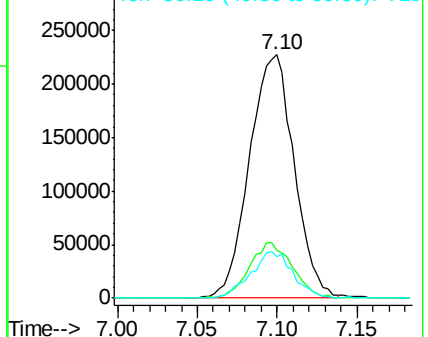
50 16.9 14.0 21.0

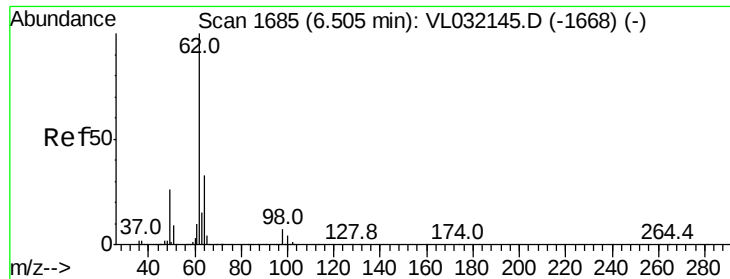


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.914 ppbv

RT: 6.50 min Scan# 1683

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

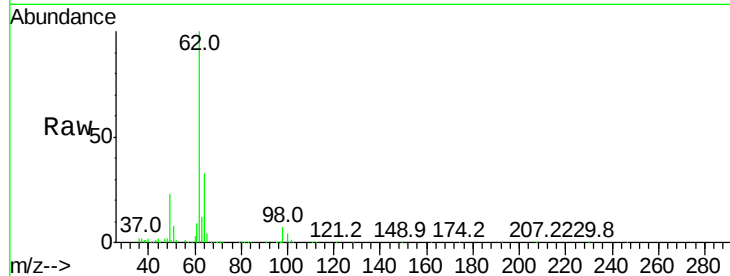
VSTDIC001

Tgt Ion: 62 Resp: 203961

Ion Ratio Lower Upper

62 100

98 6.6 5.8 8.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.50

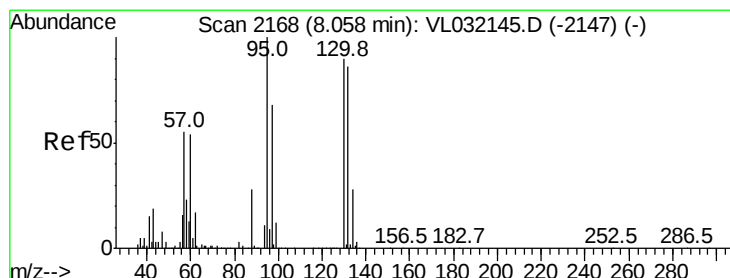
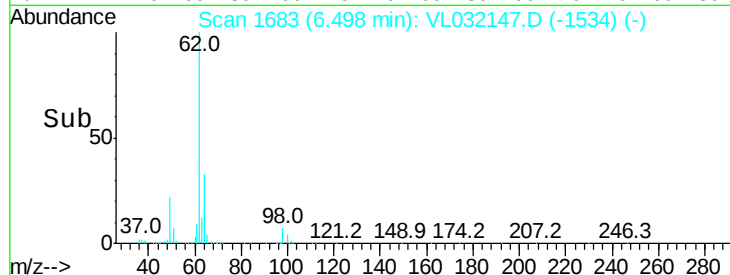
100000

50000

0

Time-->

6.45 6.50 6.55



#38

Trichloroethene

Concen: 0.922 ppbv

RT: 8.05 min Scan# 2167

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 130 Resp: 154225

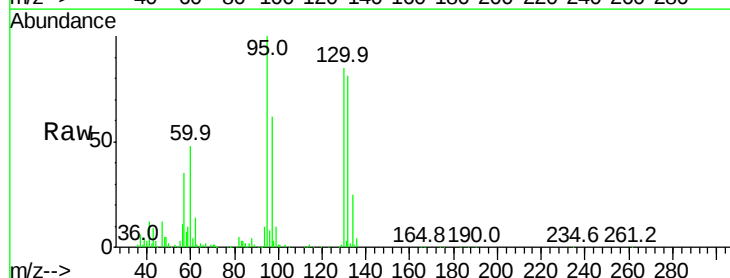
Ion Ratio Lower Upper

130 100

95 118.6 88.1 132.1

132 96.4 74.6 112.0

97 73.3 58.6 88.0



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

150000

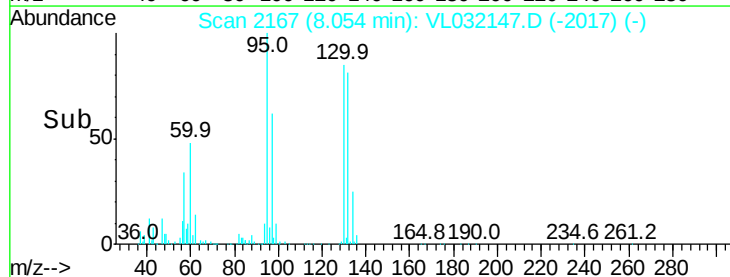
100000

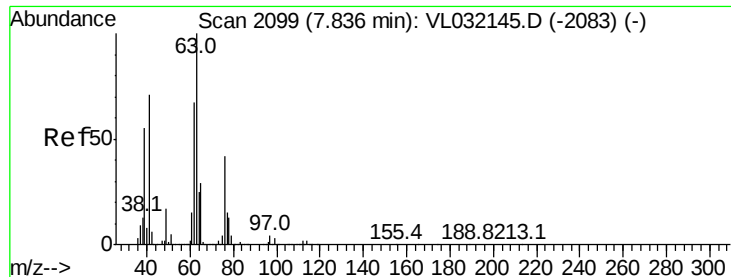
50000

0

Time-->

8.00 8.05 8.10





#39

1,2-Dichloropropane

Concen: 1.003 ppbv

RT: 7.83 min Scan# 2098

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

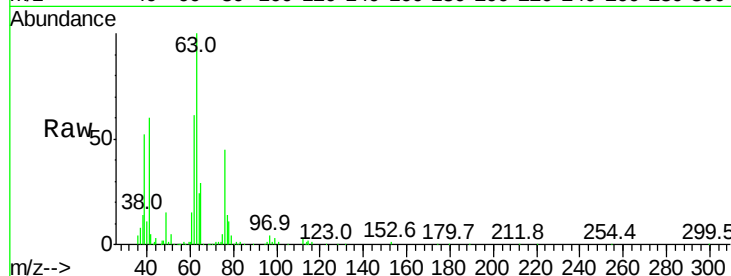
Tgt Ion: 63 Resp: 159870

Ion Ratio Lower Upper

63 100

41 59.2 53.3 79.9

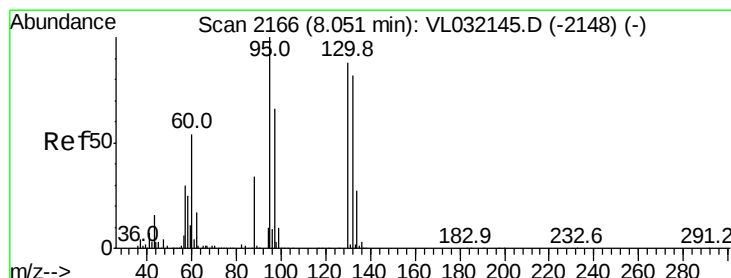
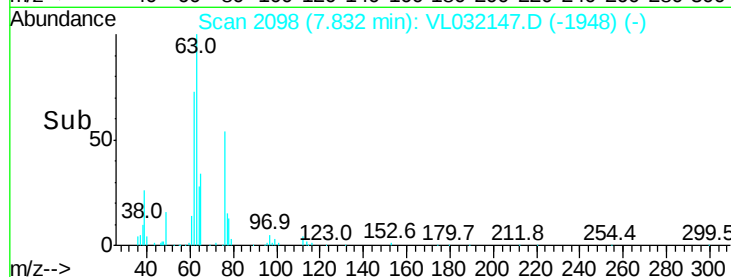
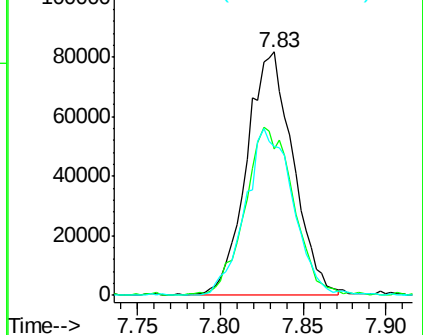
62 61.0 54.8 82.2



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



#40

1,4-Dioxane

Concen: 0.365 ppbv

RT: 8.07 min Scan# 2173

Delta R.T. 0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 88 Resp: 27125

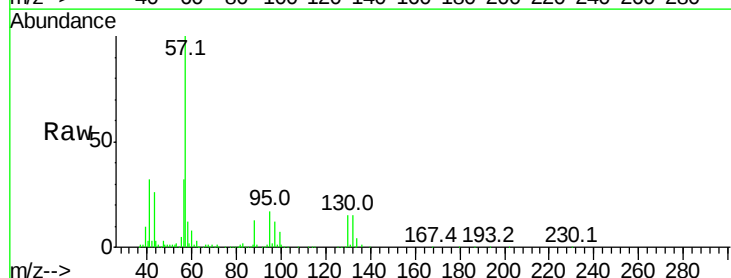
Ion Ratio Lower Upper

88 100

58 0.0 47.4 71.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

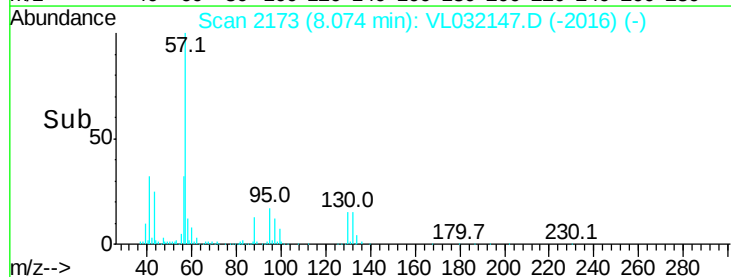
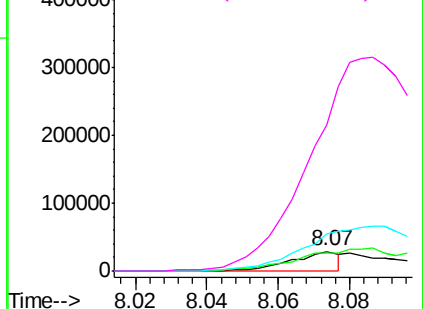


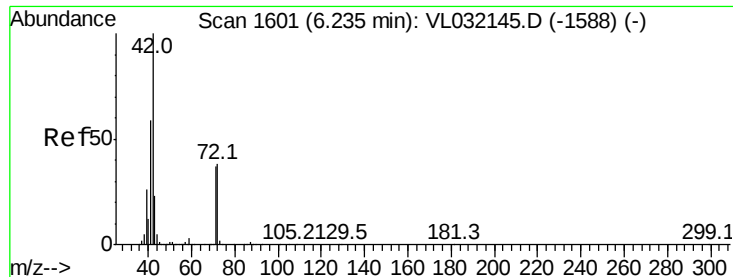
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.821 ppbv

RT: 6.25 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

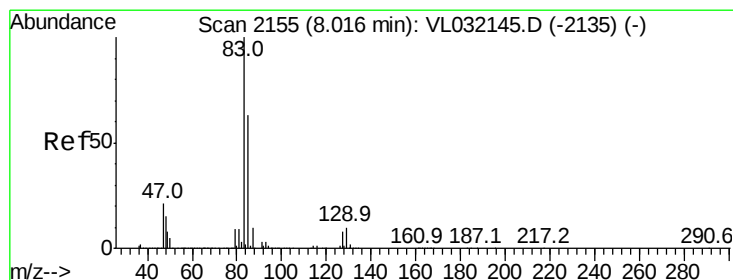
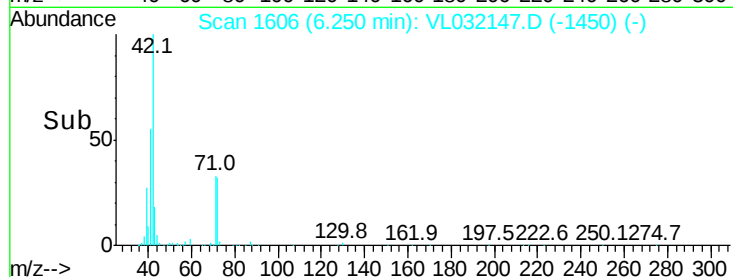
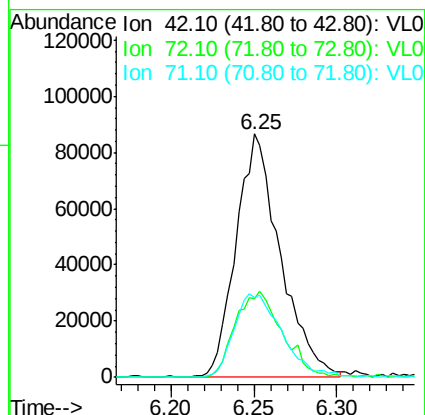
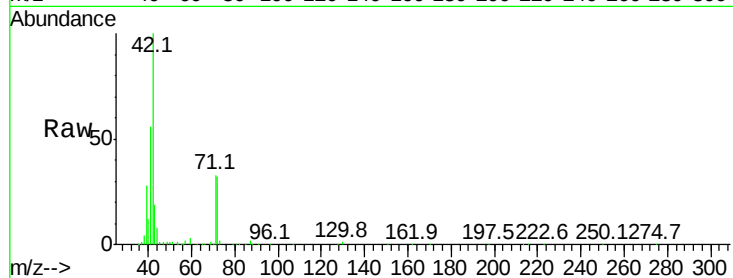
Tgt Ion: 42 Resp: 159295

Ion Ratio Lower Upper

42 100

72 38.1 31.1 46.7

71 38.2 29.5 44.3



#42

Bromodichloromethane

Concen: 1.051 ppbv

RT: 8.01 min Scan# 2154

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

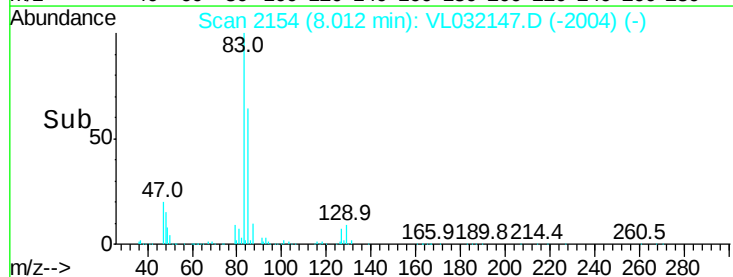
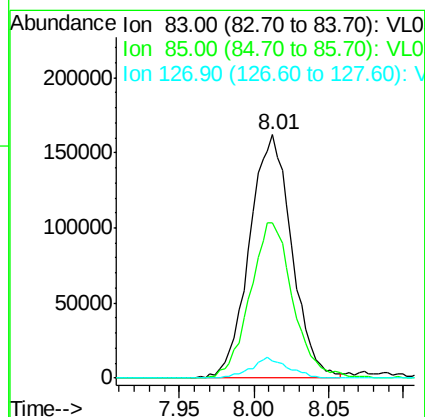
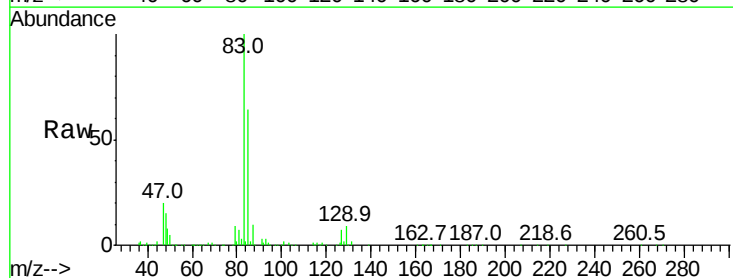
Tgt Ion: 83 Resp: 317342

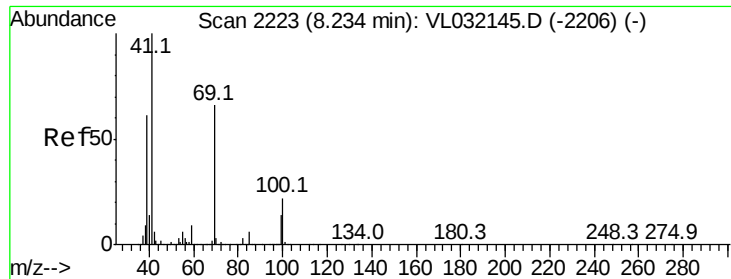
Ion Ratio Lower Upper

83 100

85 64.0 52.6 79.0

127 6.8 6.5 9.7





#43

Methyl Methacrylate

Concen: 0.977 ppbv

RT: 8.23 min Scan# 2223

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

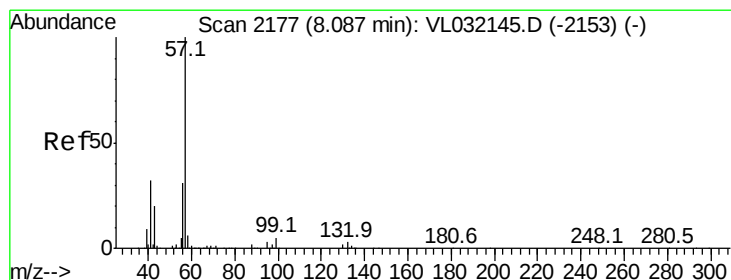
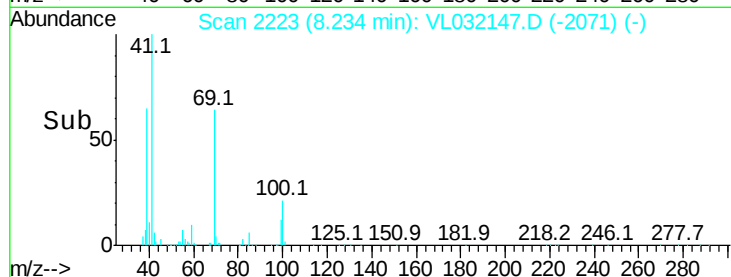
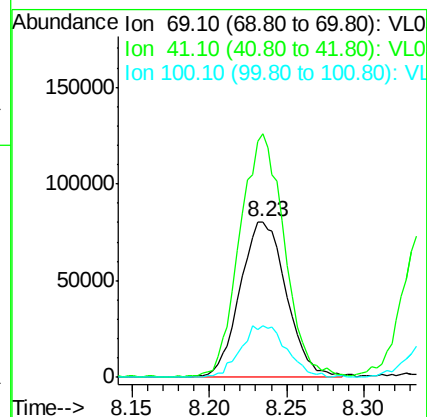
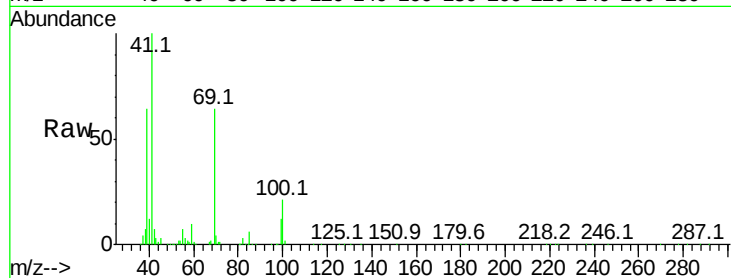
Tgt Ion: 69 Resp: 167680

Ion Ratio Lower Upper

69 100

41 150.0 118.2 177.4

100 33.1 27.4 41.2



#44

2,2,4-Trimethylpentane

Concen: 1.030 ppbv

RT: 8.09 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

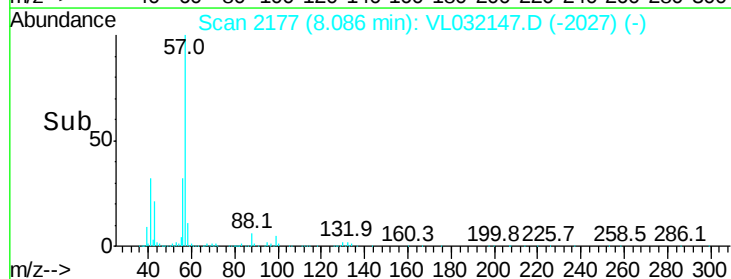
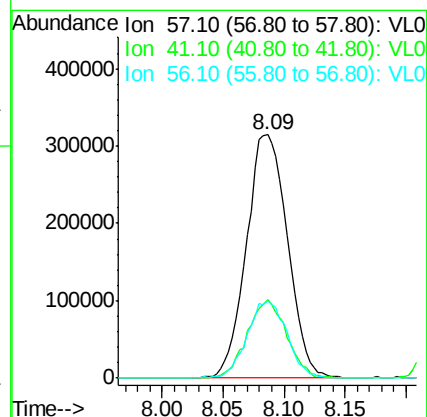
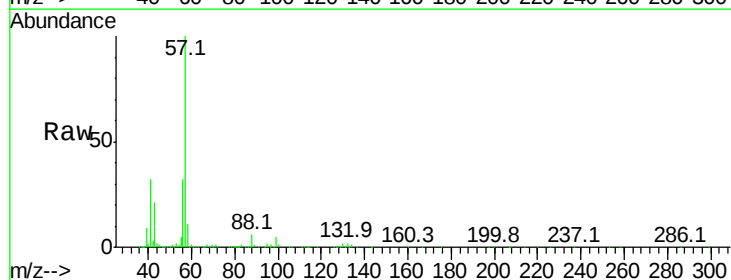
Tgt Ion: 57 Resp: 734109

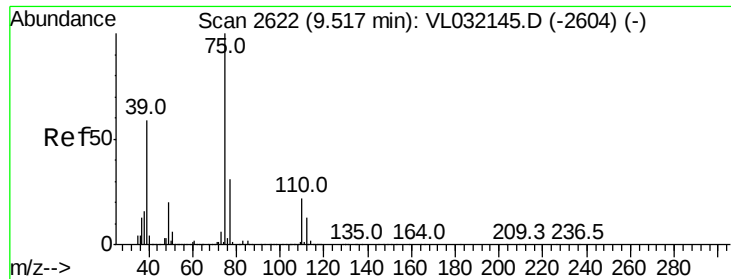
Ion Ratio Lower Upper

57 100

41 30.9 24.3 36.5

56 30.7 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.948 ppbv

RT: 9.51 min Scan# 2620

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

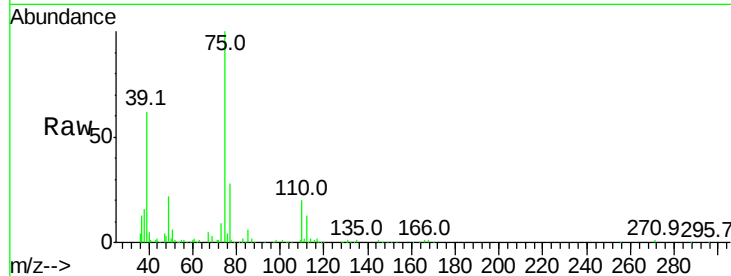
VSTDIC001

Tgt Ion: 75 Resp: 201371

Ion Ratio Lower Upper

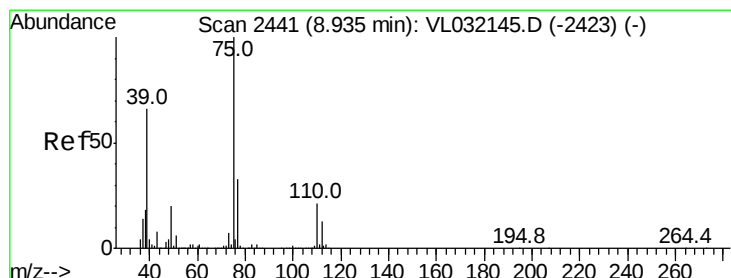
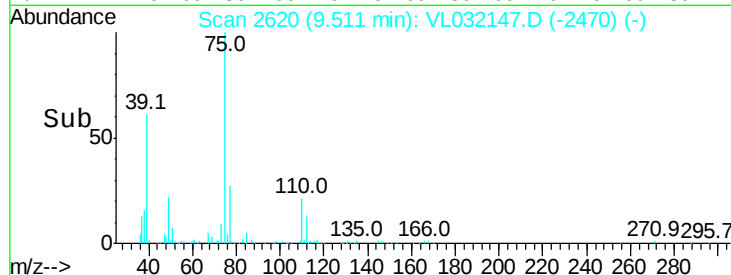
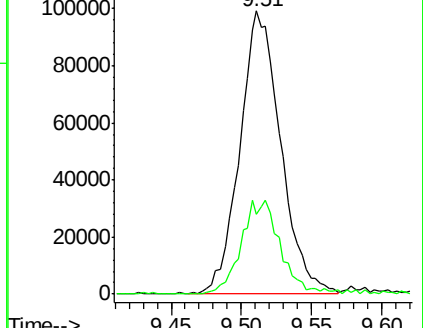
75 100

77 28.1 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.904 ppbv

RT: 8.93 min Scan# 2439

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

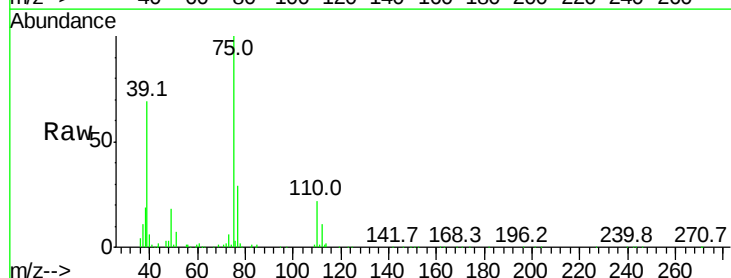
Tgt Ion: 75 Resp: 245681

Ion Ratio Lower Upper

75 100

39 68.0 51.9 77.9

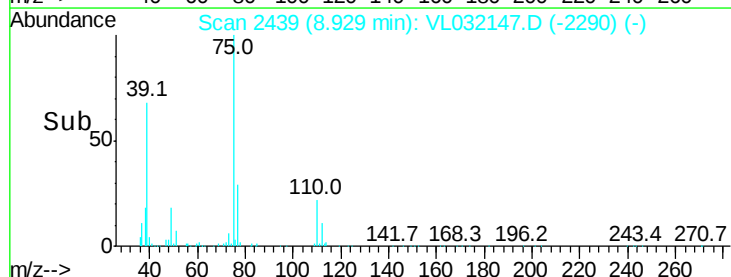
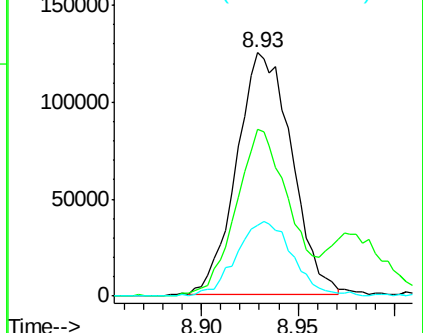
77 29.3 24.3 36.5

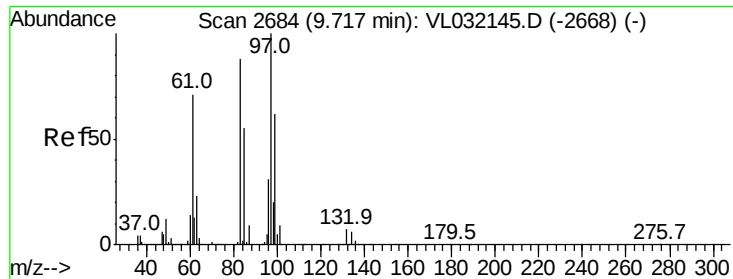


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.893 ppbv

RT: 9.71 min Scan# 2682

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 161080

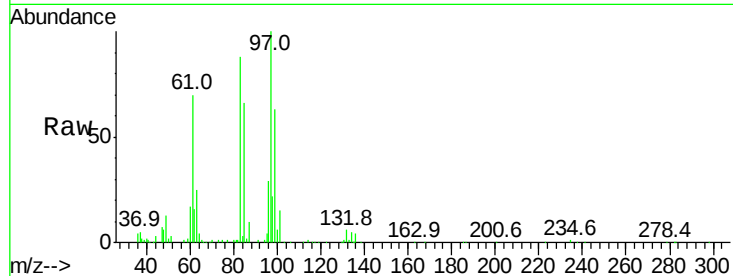
Ion Ratio Lower Upper

97 100

83 87.5 71.0 106.4

85 64.4 44.2 66.4

99 63.3 49.2 73.8



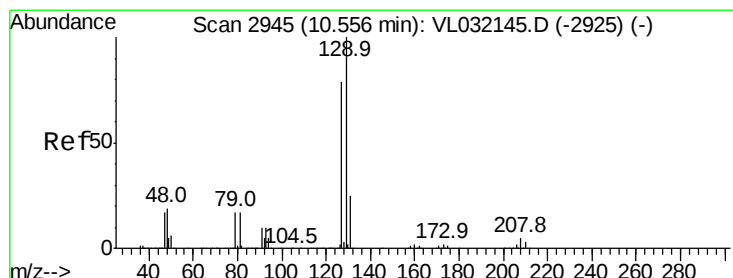
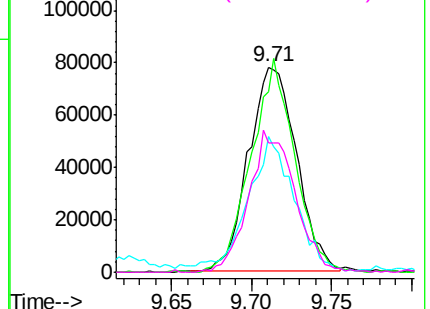
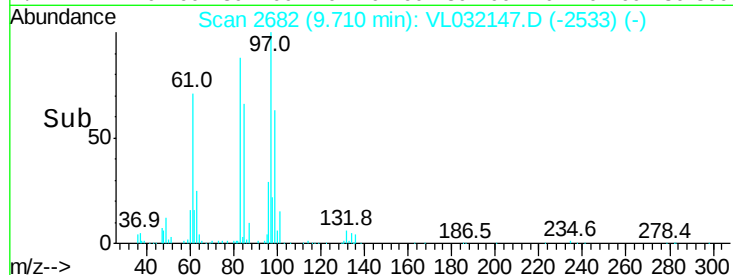
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.521 ppbv

RT: 10.55 min Scan# 2943

Delta R.T. -0.02 min

Lab File: VL032147.D

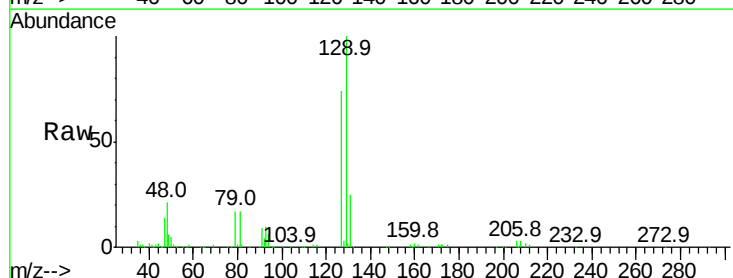
Acq: 29 Jun 2018 19:22

Tgt Ion: 129 Resp: 140659

Ion Ratio Lower Upper

129 100

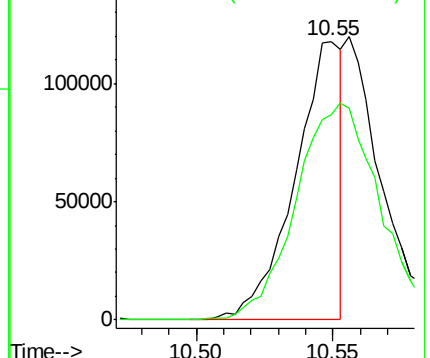
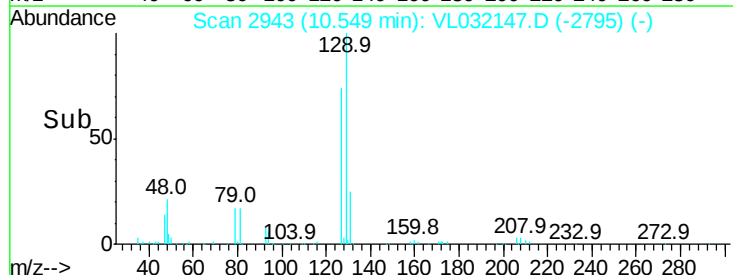
127 0.0 39.1 117.5#

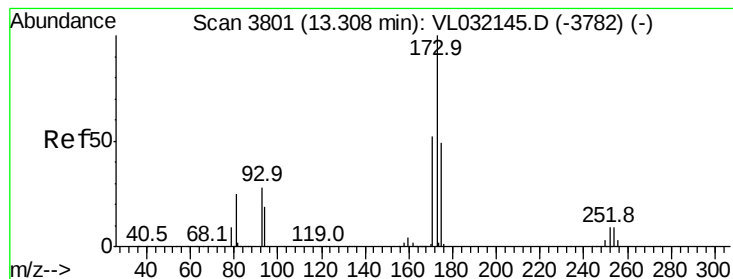


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.061 ppbv

RT: 13.30 min Scan# 3800

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

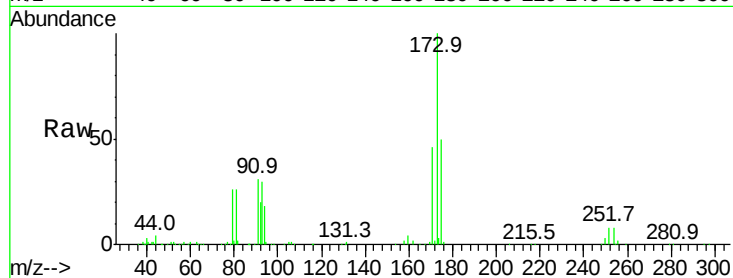
Tgt Ion:173 Resp: 219292

Ion Ratio Lower Upper

173 100

175 49.9 39.4 59.0

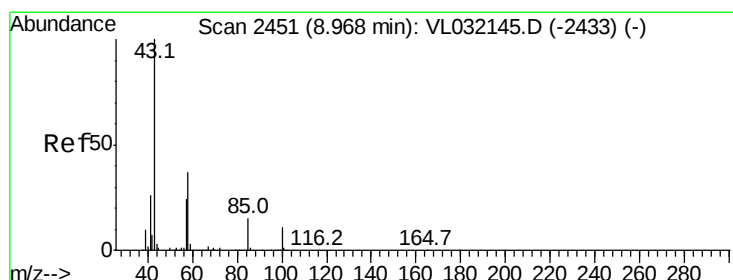
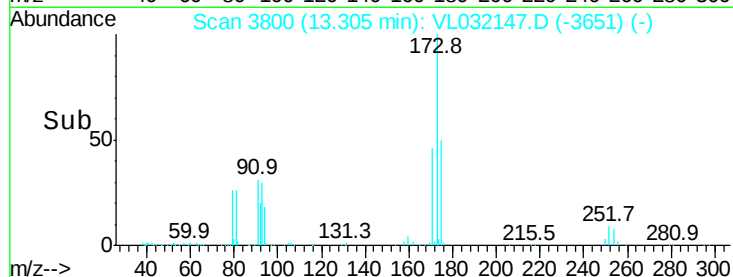
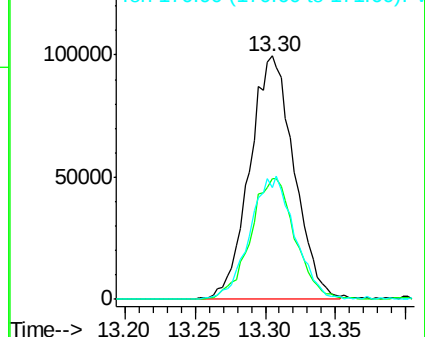
171 51.5 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.894 ppbv

RT: 8.98 min Scan# 2454

Delta R.T. -0.01 min

Lab File: VL032147.D

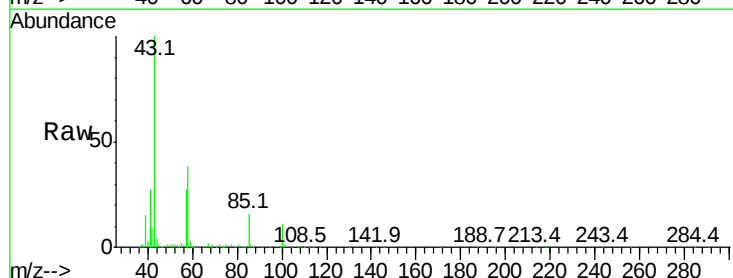
Acq: 29 Jun 2018 19:22

Tgt Ion: 43 Resp: 450669

Ion Ratio Lower Upper

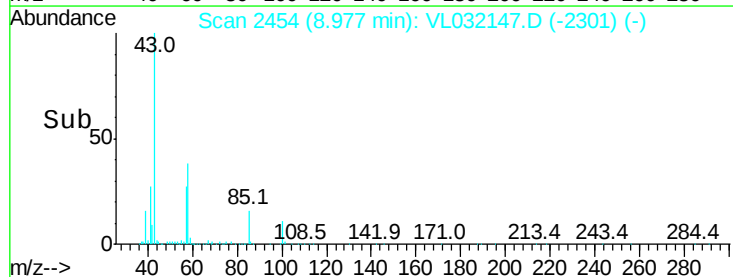
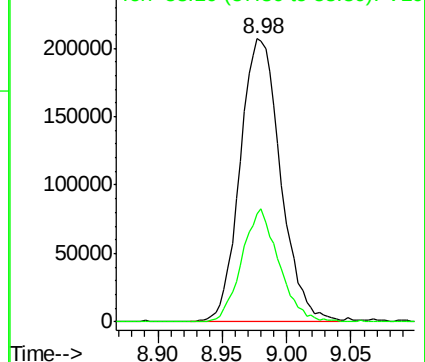
43 100

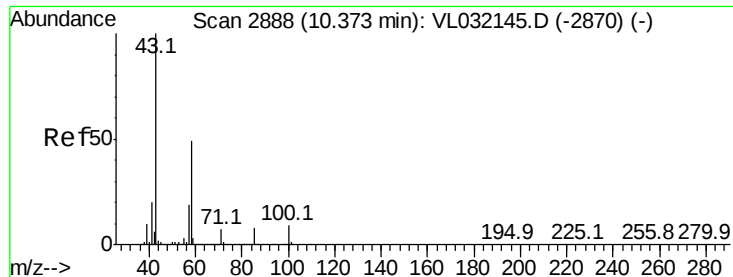
58 36.9 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.727 ppbv

RT: 10.39 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

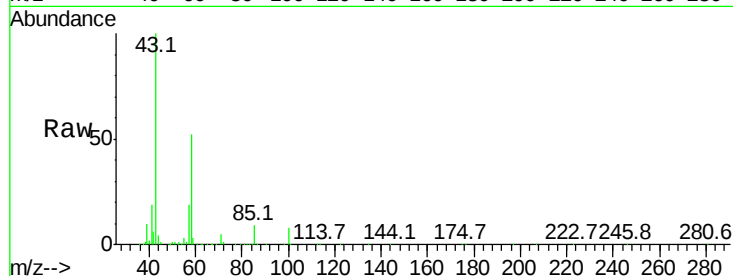
Tgt Ion: 43 Resp: 364532

Ion Ratio Lower Upper

43 100

58 51.3 40.6 60.8

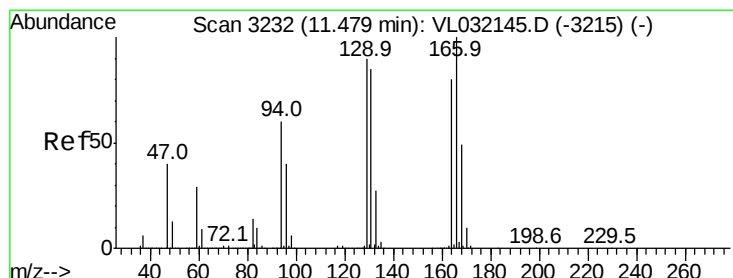
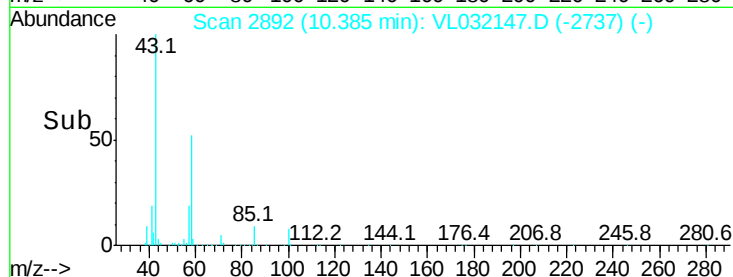
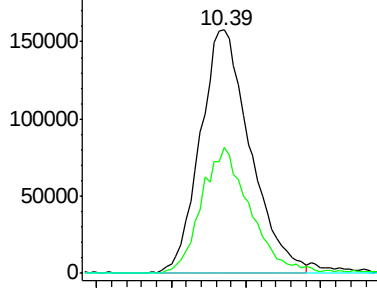
98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.897 ppbv

RT: 11.48 min Scan# 3231

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 164 Resp: 143842

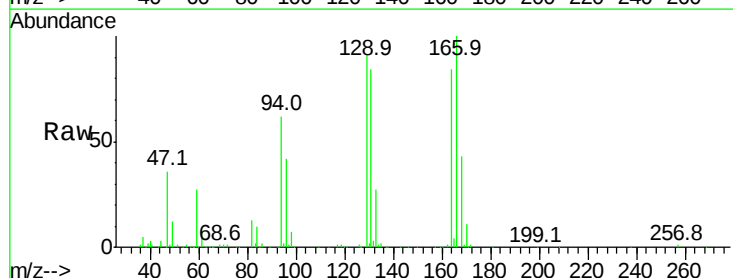
Ion Ratio Lower Upper

164 100

166 118.0 100.6 151.0

129 107.6 84.0 126.0

131 98.9 82.7 124.1

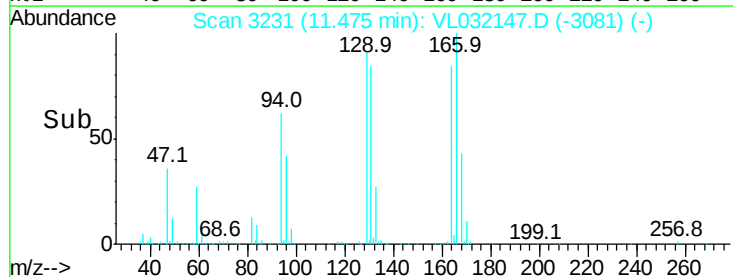
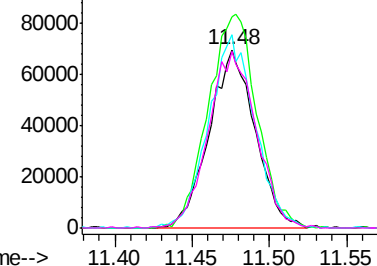


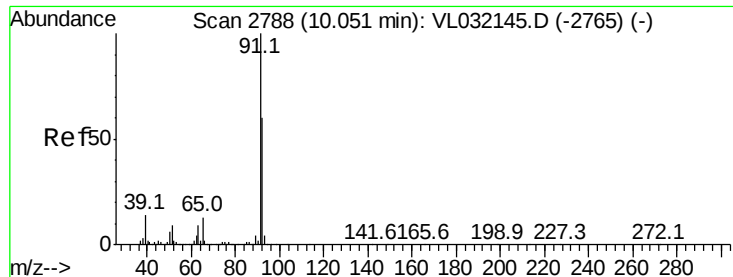
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.968 ppbv

RT: 10.05 min Scan# 2787

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

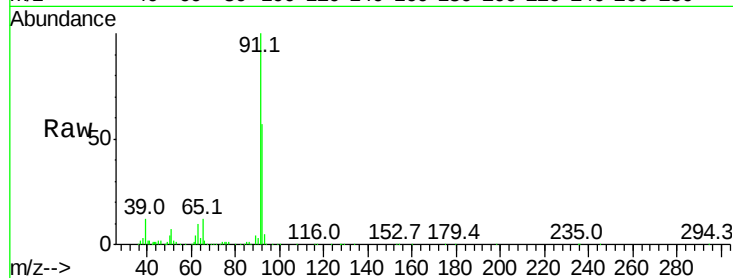
VSTDIC001

Tgt Ion: 91 Resp: 506961

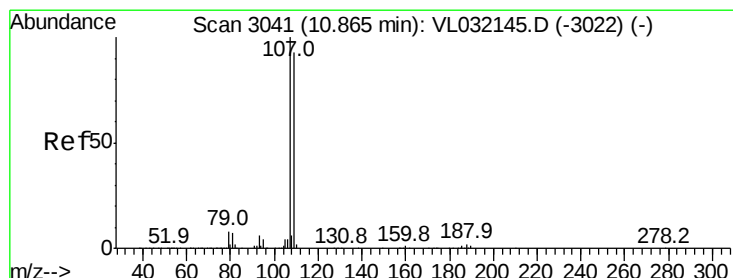
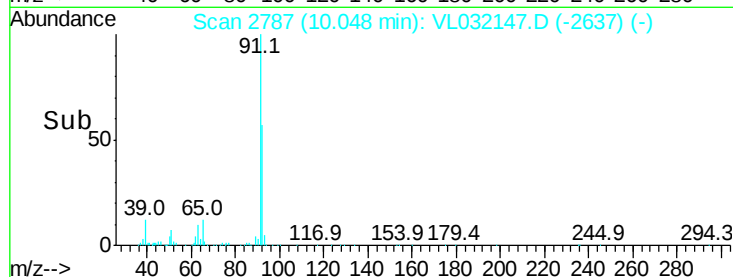
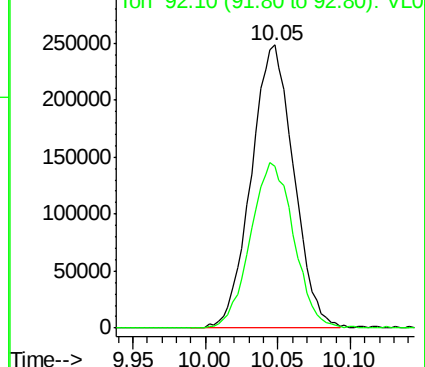
Ion Ratio Lower Upper

91 100

92 59.7 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 0.950 ppbv

RT: 10.86 min Scan# 3040

Delta R.T. -0.02 min

Lab File: VL032147.D

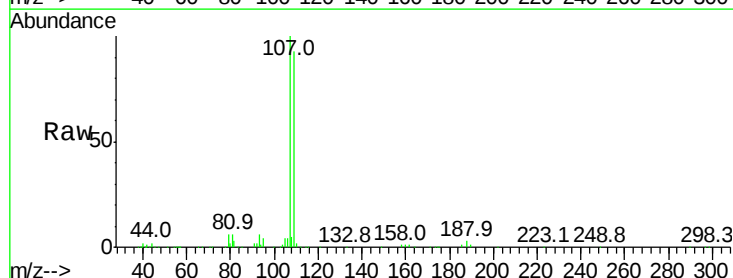
Acq: 29 Jun 2018 19:22

Tgt Ion: 107 Resp: 253555

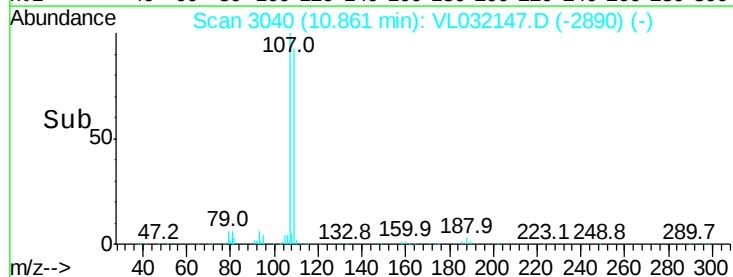
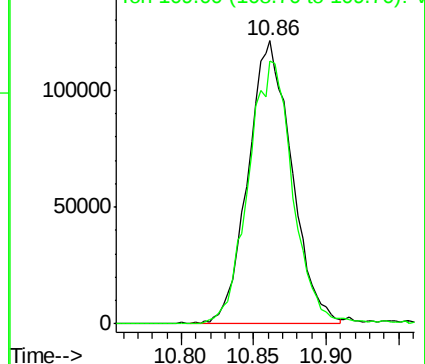
Ion Ratio Lower Upper

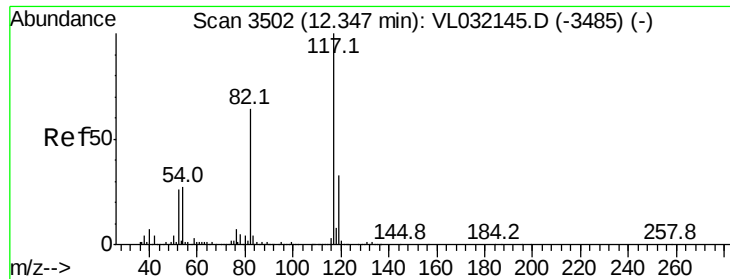
107 100

109 93.0 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

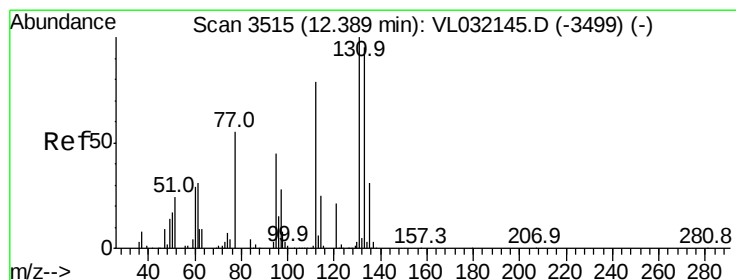
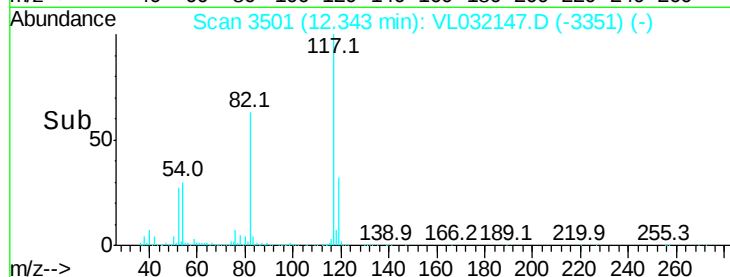
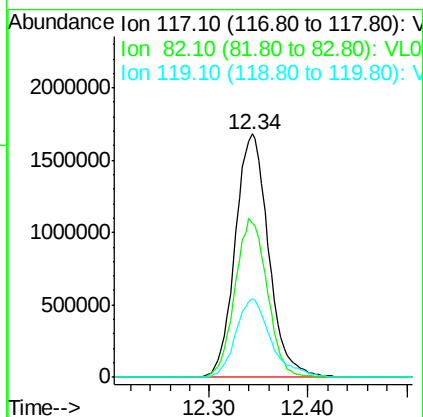
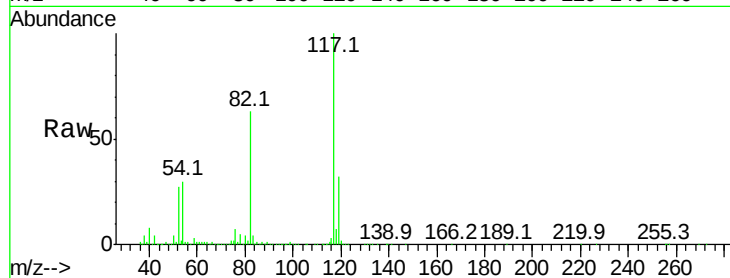




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3501
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

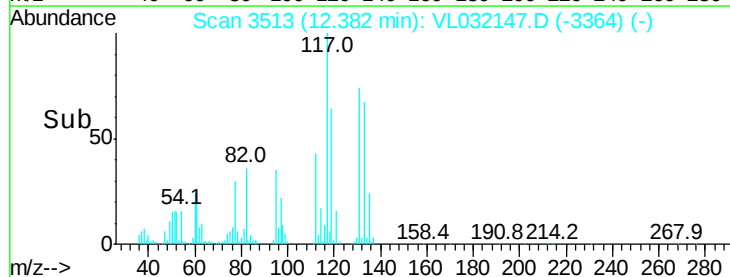
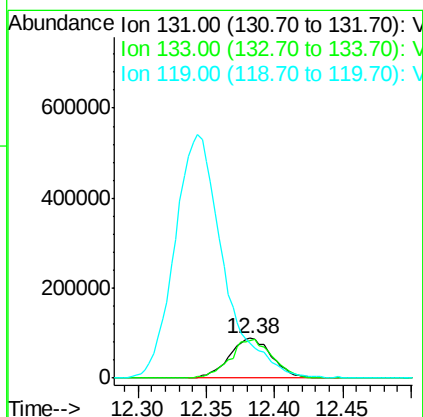
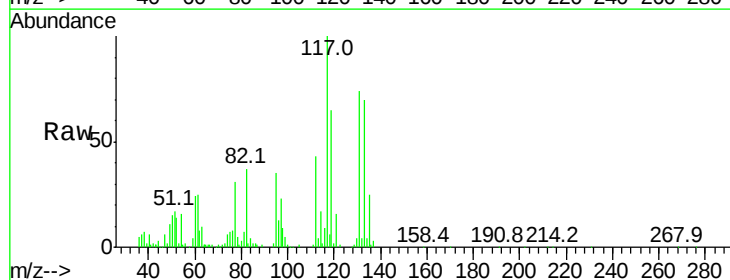
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

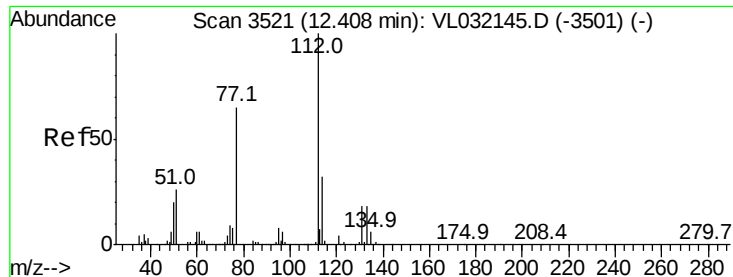
Tgt Ion:117 Resp: 3947633
Ion Ratio Lower Upper
117 100
82 63.1 47.8 71.8
119 34.3 43.3 64.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.090 ppbv
RT: 12.38 min Scan# 3513
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

Tgt Ion:131 Resp: 191267
Ion Ratio Lower Upper
131 100
133 97.6 75.5 113.3
119 705.4 118.4 177.6#

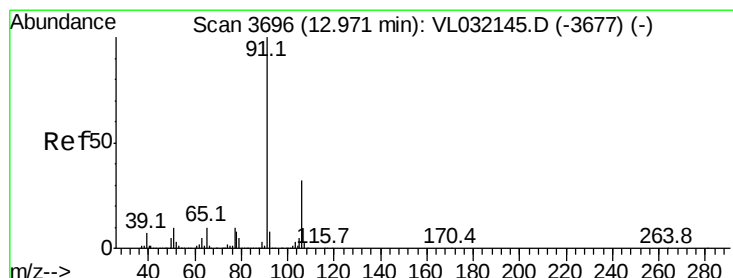
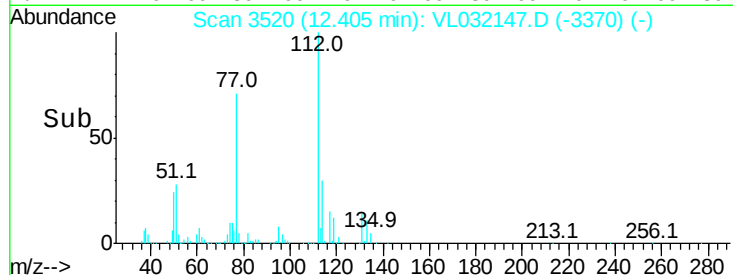
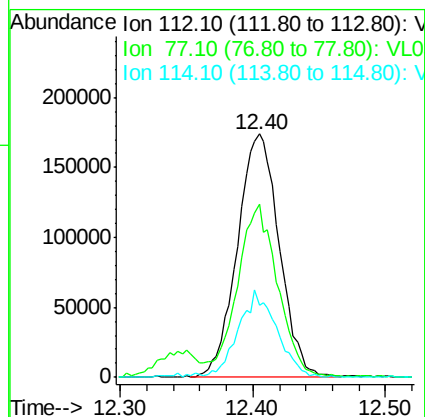
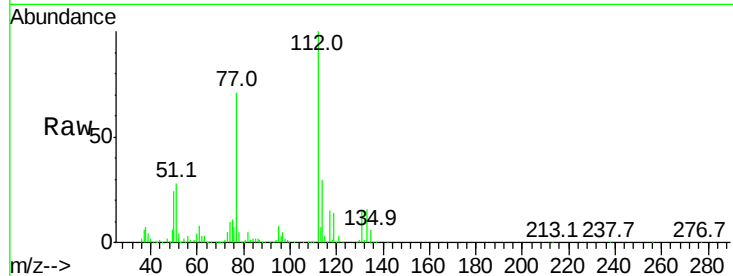




#57
Chlorobenzene
Concen: 1.016 ppbv
RT: 12.40 min Scan# 3520
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

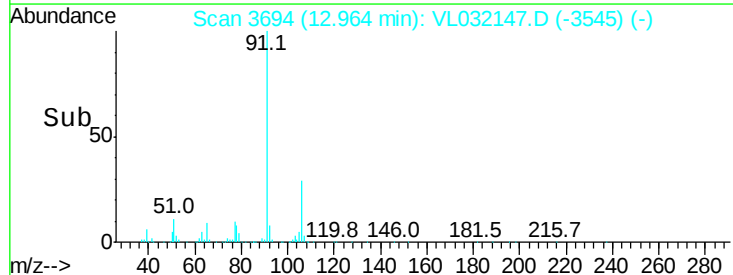
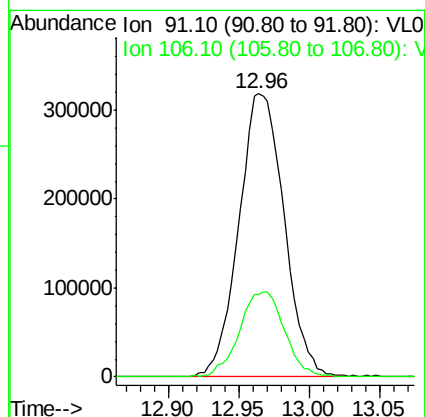
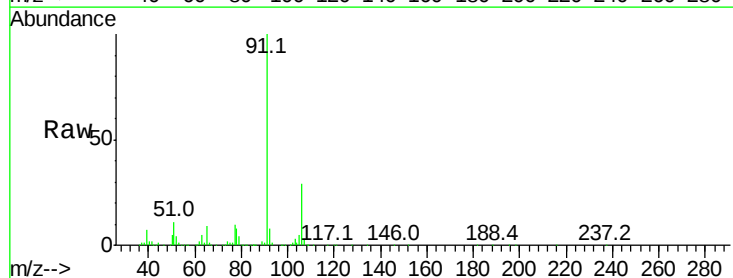
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

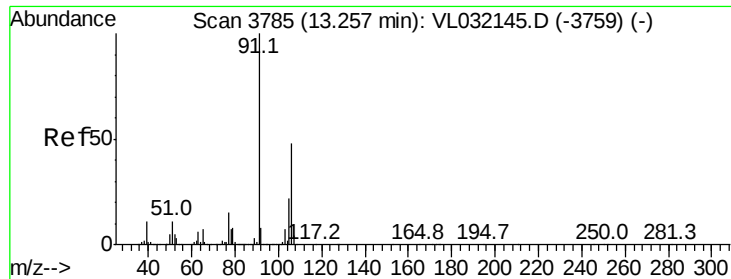
Tgt Ion	Ratio	Lower	Upper
112	100		
77	70.4	52.6	78.8
114	29.6	27.9	34.1



#58
Ethyl Benzene
Concen: 1.028 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	26.5	39.7

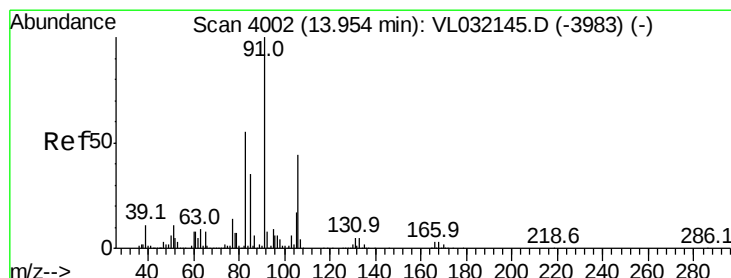
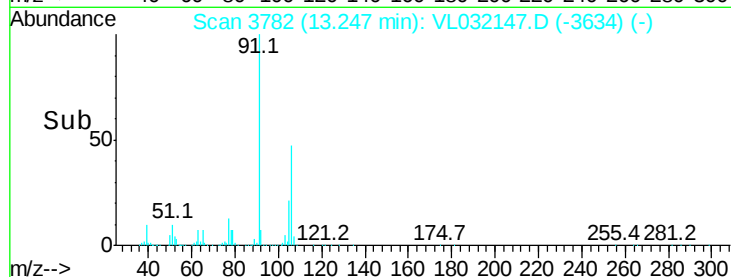
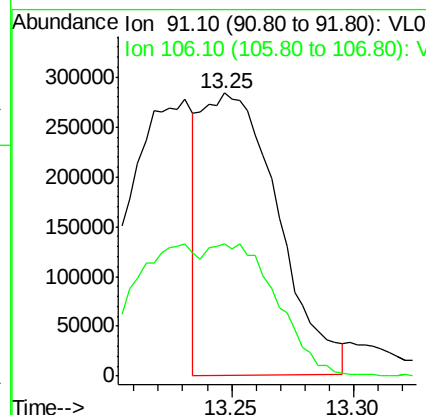
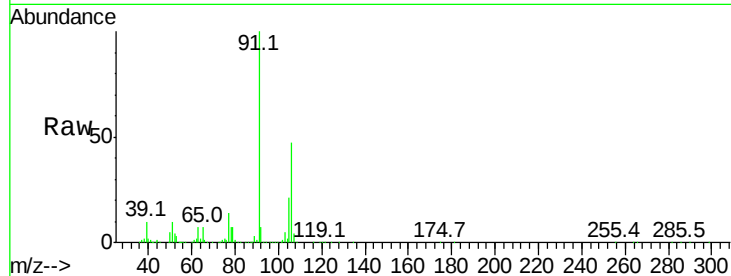




#59
m/p-Xylene
Concen: 1.135 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

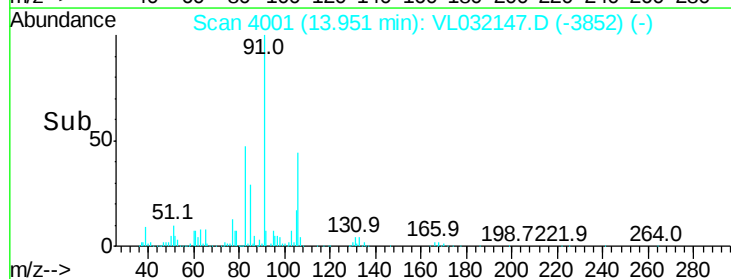
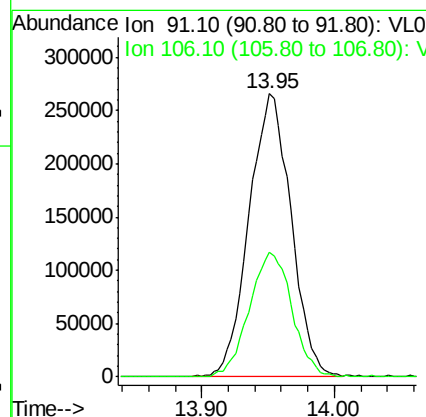
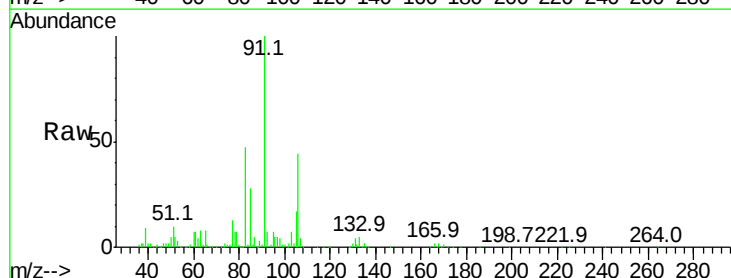
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

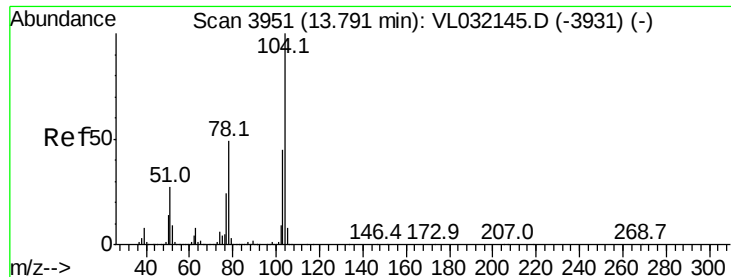
Tgt Ion: 91 Resp: 617569
Ion Ratio Lower Upper
91 100
106 85.9 38.6 58.0#



#60
o-Xylene
Concen: 1.089 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032147.D
Acq: 29 Jun 2018 19:22

Tgt Ion: 91 Resp: 588191
Ion Ratio Lower Upper
91 100
106 44.6 23.3 69.8





#61

Styrene

Concen: 2.888 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

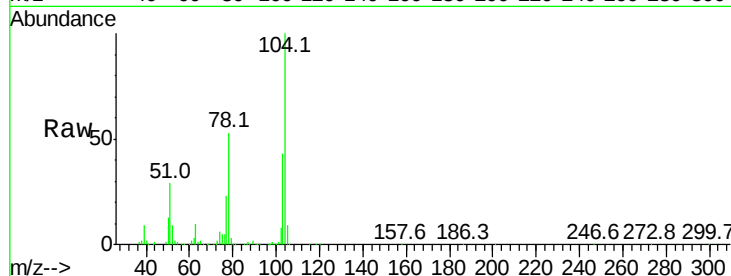
Tgt Ion:104 Resp: 465792

Ion Ratio Lower Upper

104 100

78 50.1 37.9 56.9

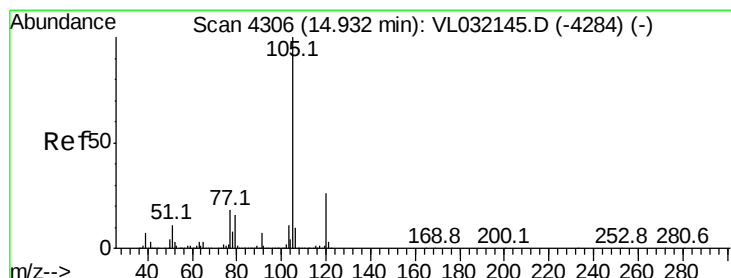
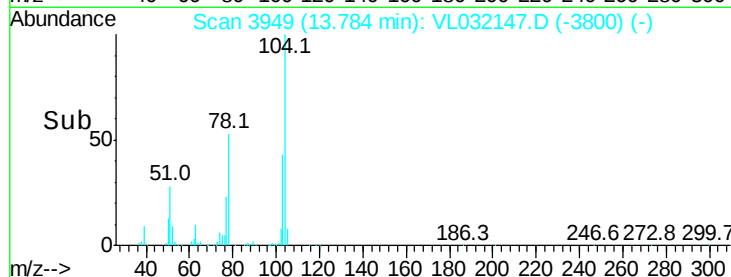
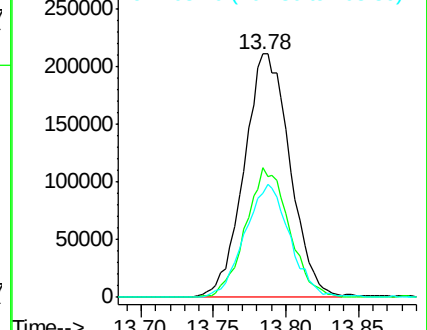
103 45.7 36.6 55.0



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



#62

Isopropylbenzene

Concen: 1.208 ppbv

RT: 14.93 min Scan# 4305

Delta R.T. -0.02 min

Lab File: VL032147.D

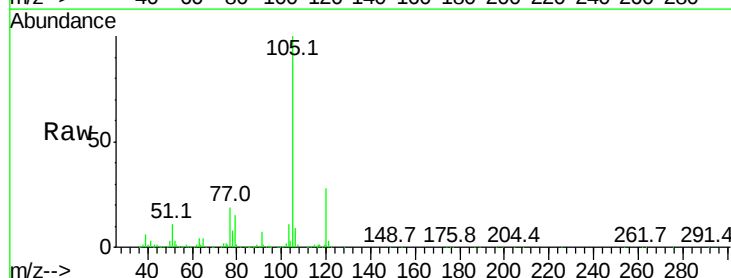
Acq: 29 Jun 2018 19:22

Tgt Ion:105 Resp: 869061

Ion Ratio Lower Upper

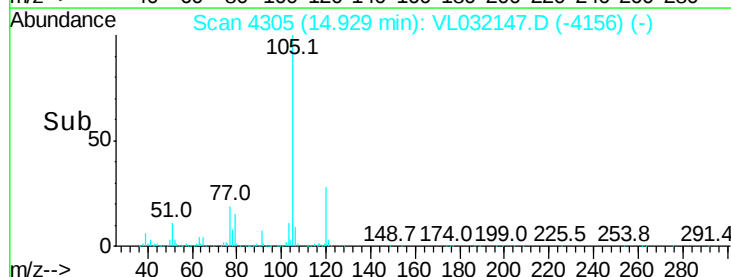
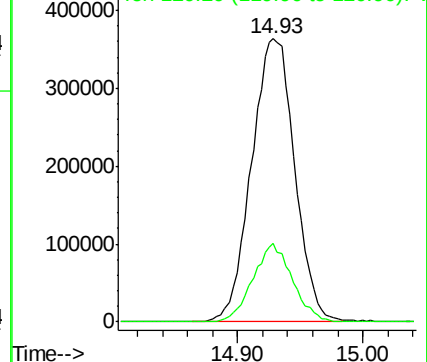
105 100

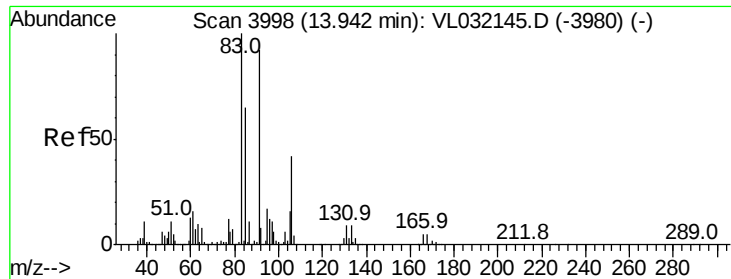
120 25.5 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

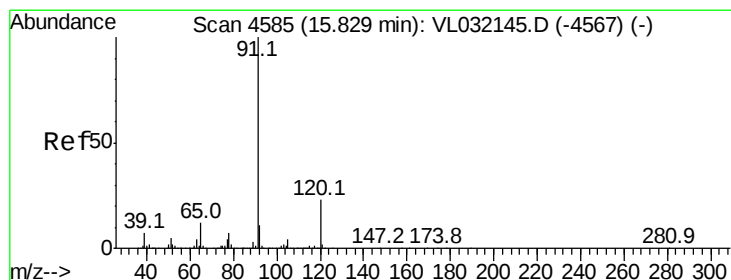
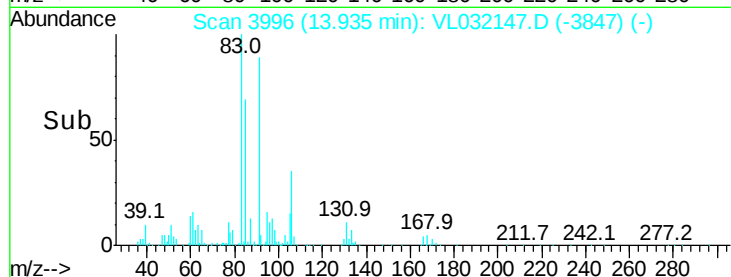
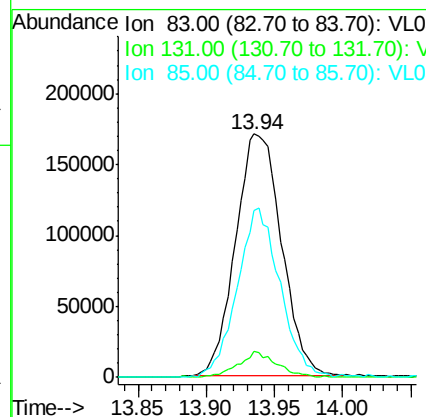
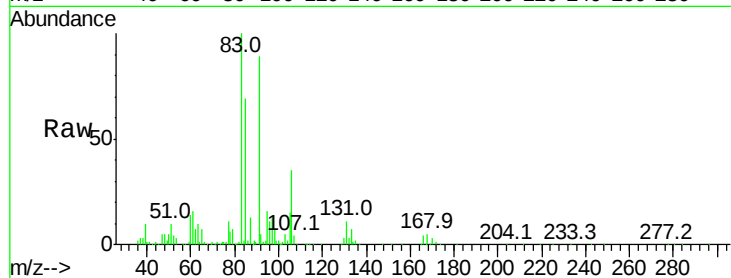




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.956 ppbv
 RT: 13.94 min Scan# 3996
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

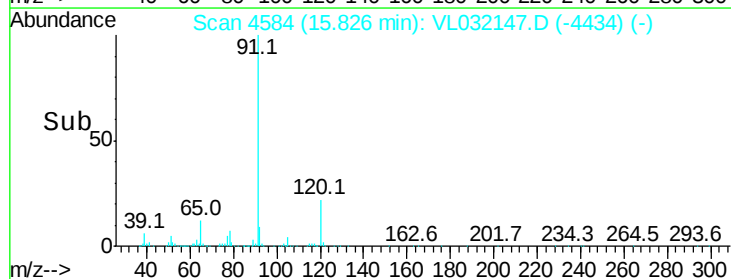
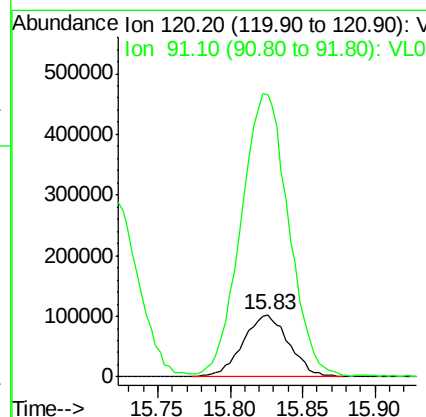
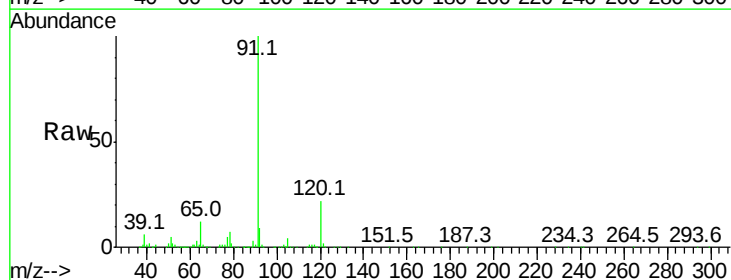
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

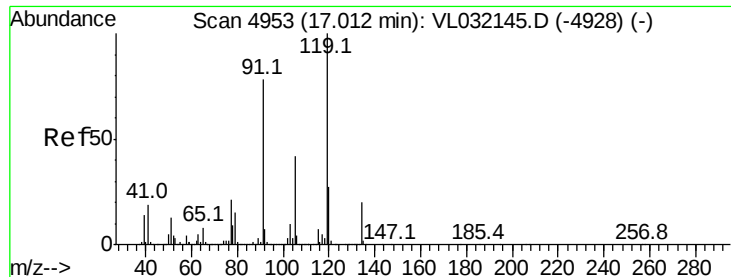
Tgt Ion: 83 Resp: 400844
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.6 13.8
 85 65.4 32.4 97.2



#64
 n-propylbenzene
 Concen: 1.193 ppbv
 RT: 15.83 min Scan# 4584
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion: 120 Resp: 223552
 Ion Ratio Lower Upper
 120 100
 91 480.0 357.4 536.0





#65

tert-Butylbenzene

Concen: 1.229 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

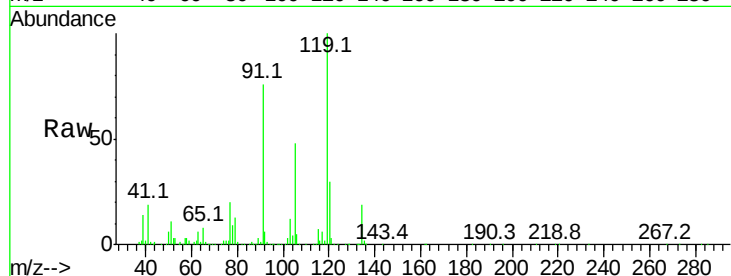
Tgt Ion: 119 Resp: 778505

Ion Ratio Lower Upper

119 100

91 82.0 62.2 93.2

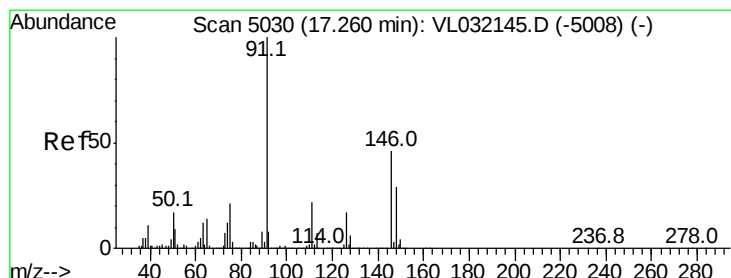
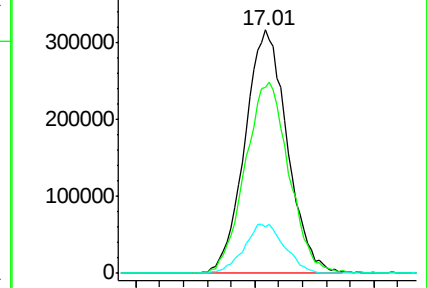
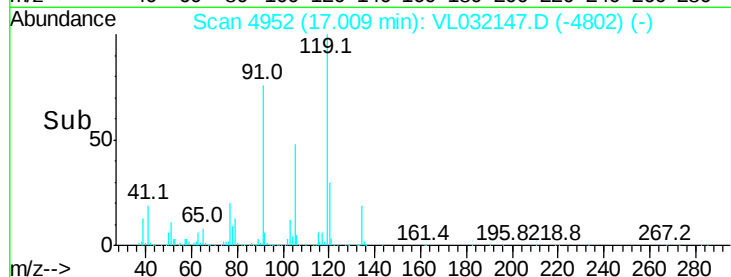
134 19.5 16.2 24.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 5.431 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

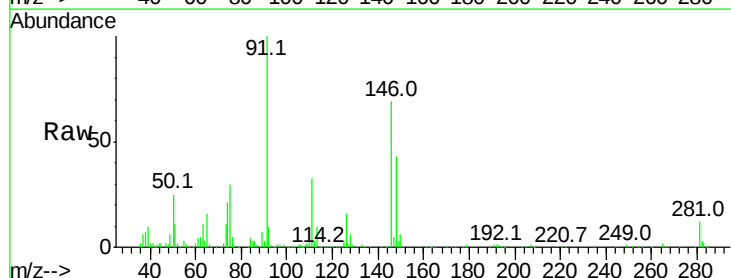
Tgt Ion: 91 Resp: 438915

Ion Ratio Lower Upper

91 100

126 18.3 15.7 23.5

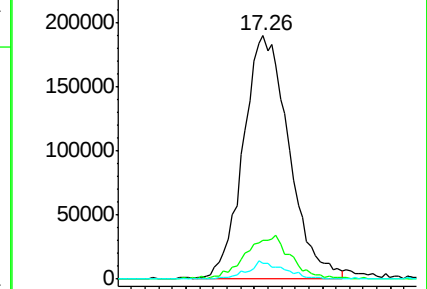
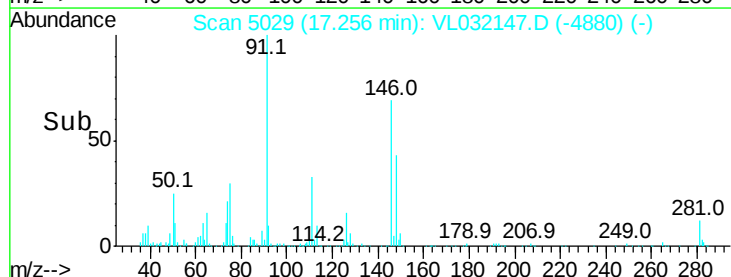
128 6.0 5.2 7.8

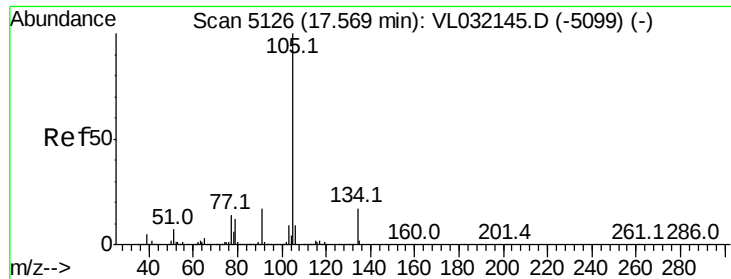


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

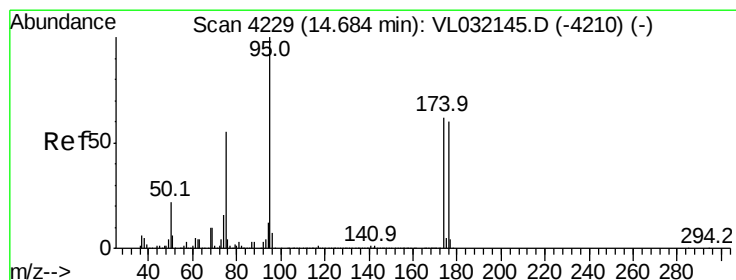
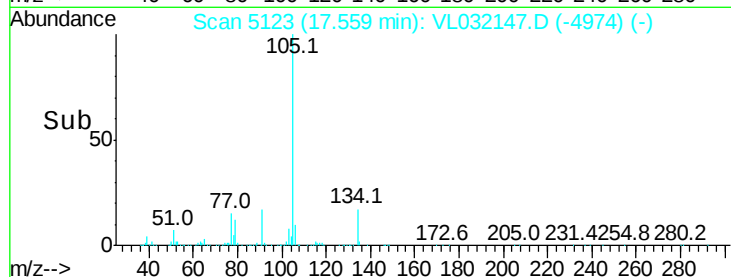
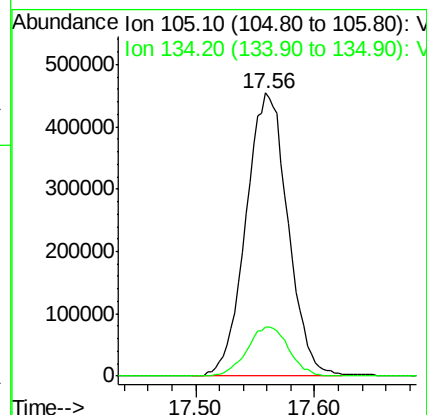
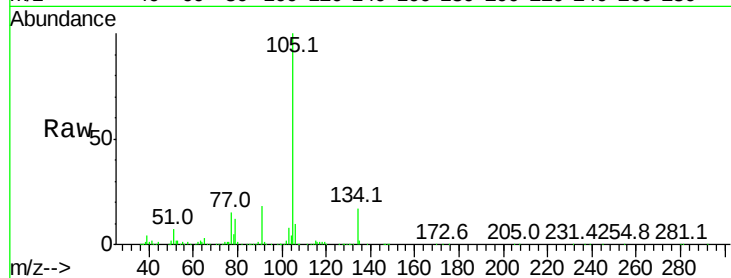




#67
 sec-Butylbenzene
 Concen: 1.198 ppbv
 RT: 17.56 min Scan# 5123
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

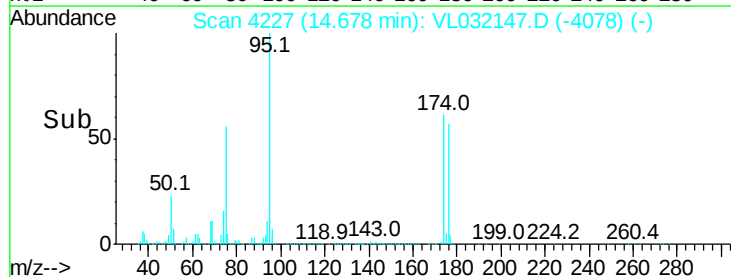
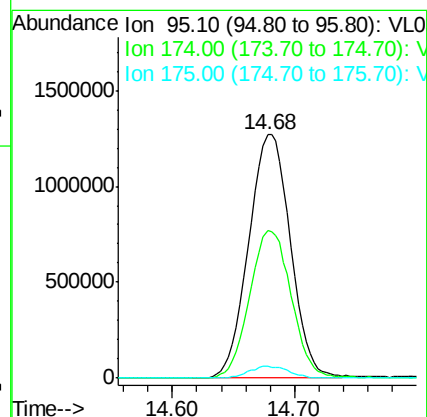
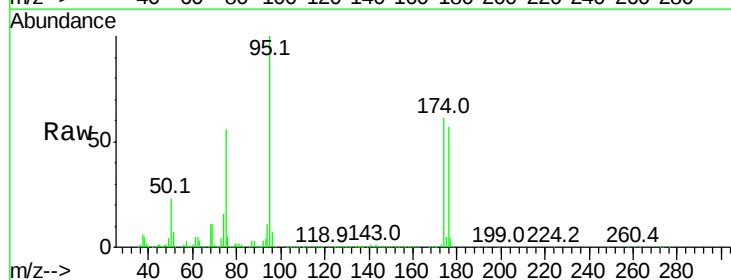
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

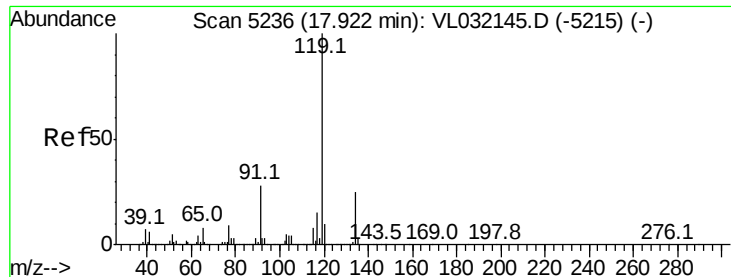
Tgt Ion:105 Resp: 1105694
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.234 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion: 95 Resp: 3002301
 Ion Ratio Lower Upper
 95 100
 174 60.7 52.1 78.1
 175 4.7 4.0 6.0

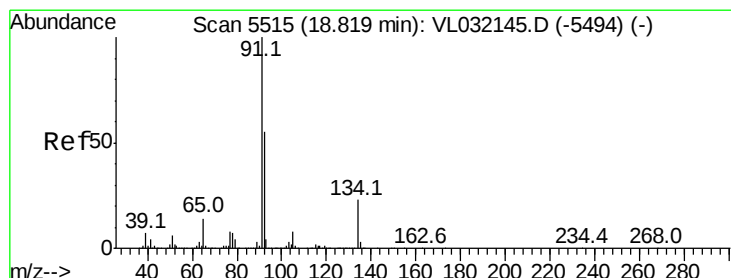
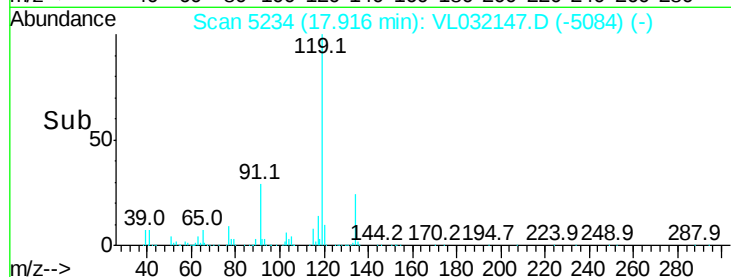
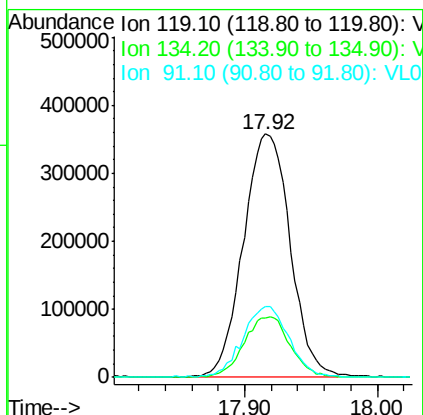
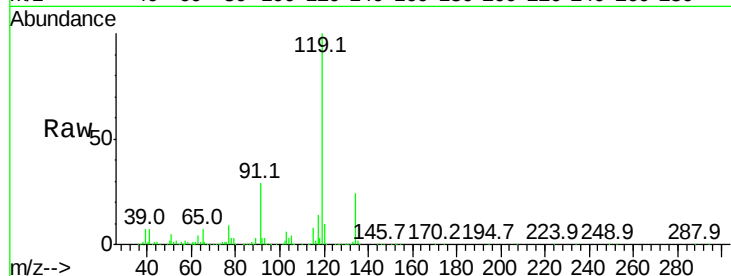




#69
 p-Isopropyltoluene
 Concen: 1.159 ppbv
 RT: 17.92 min Scan# 5234
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

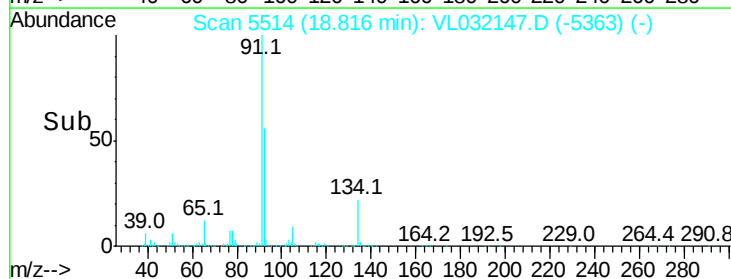
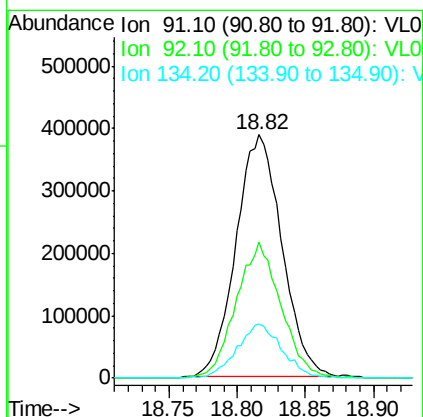
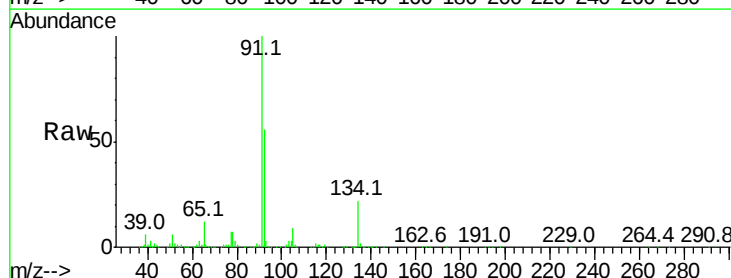
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

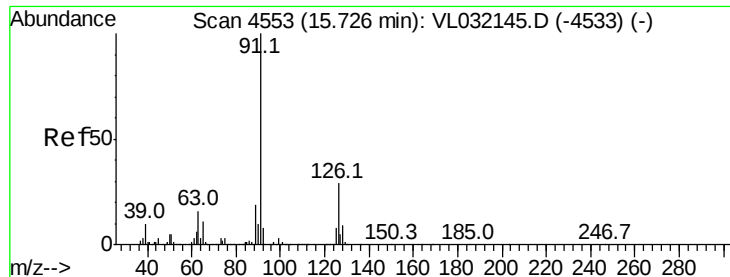
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.7	31.1
91	29.3	21.8	32.8



#70
 n-Butylbenzene
 Concen: 1.136 ppbv
 RT: 18.82 min Scan# 5514
 Delta R.T. -0.01 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.7	65.5
134	22.1	18.9	28.3





#71

2-Chlorotoluene

Concen: 1.192 ppbv

RT: 15.72 min Scan# 4552

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

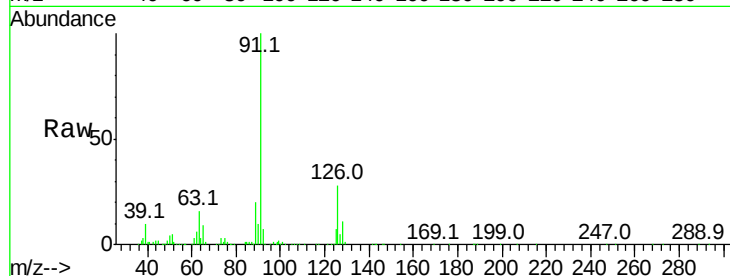
VSTDIC001

Tgt Ion: 91 Resp: 657640

Ion Ratio Lower Upper

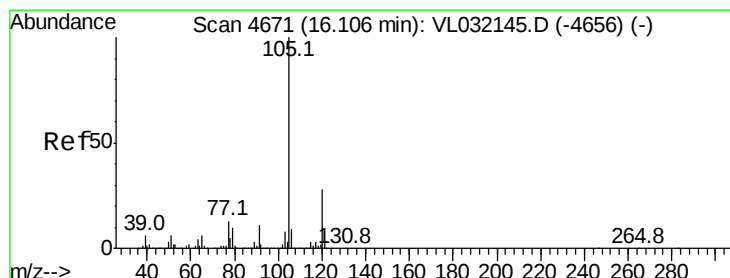
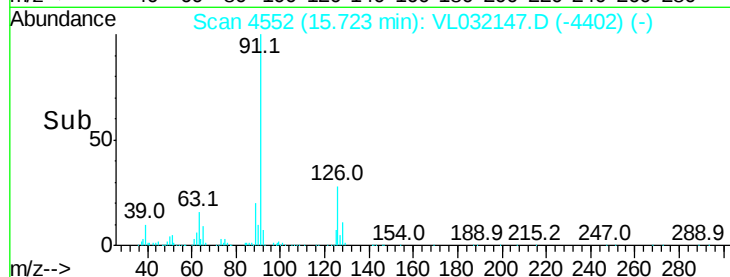
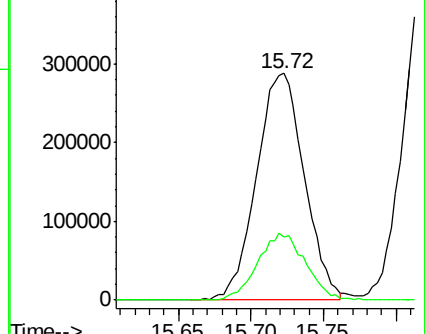
91 100

126 29.6 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.182 ppbv

RT: 16.10 min Scan# 4670

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion: 105 Resp: 720390

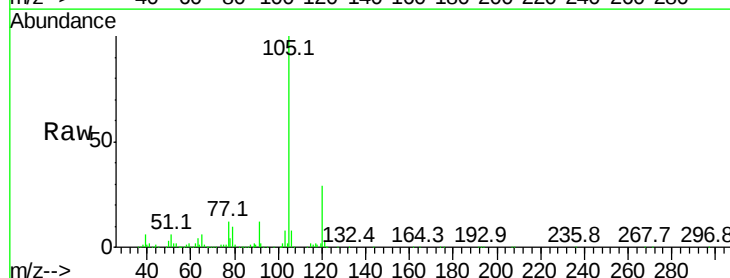
Ion Ratio Lower Upper

105 100

120 29.2 24.3 36.5

91 12.9 9.4 14.0

77 13.7 10.2 15.2

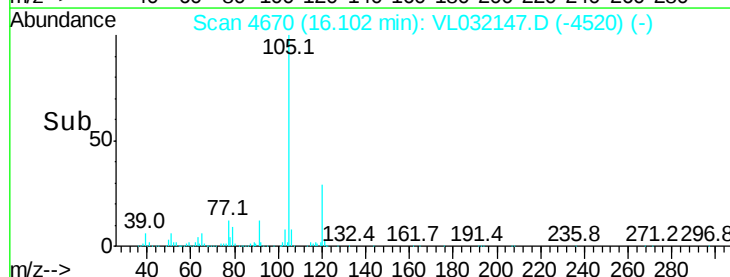
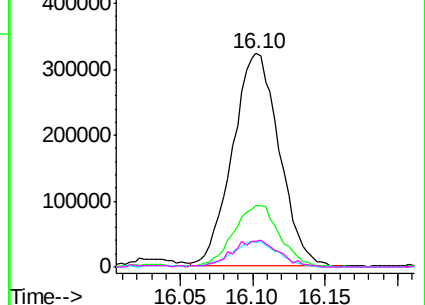


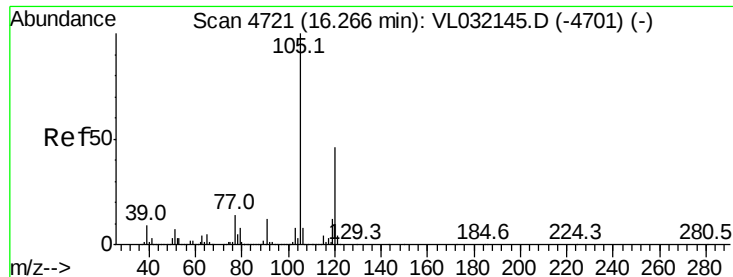
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 1.228 ppbv

RT: 16.26 min Scan# 4720

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

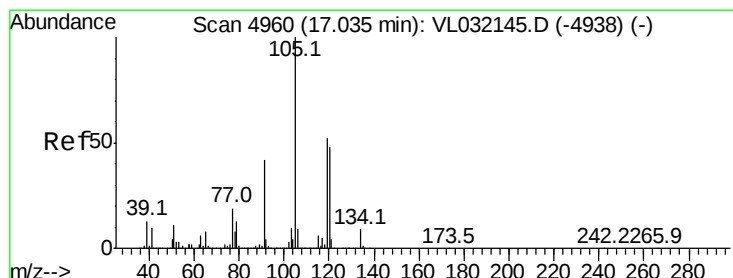
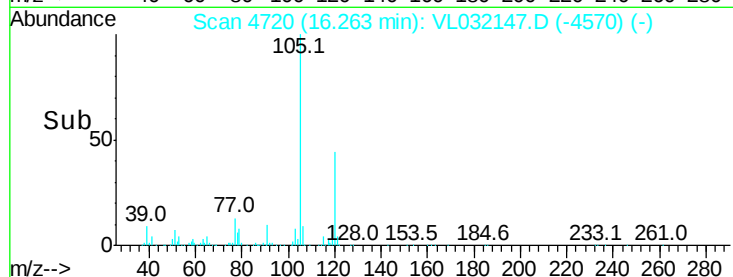
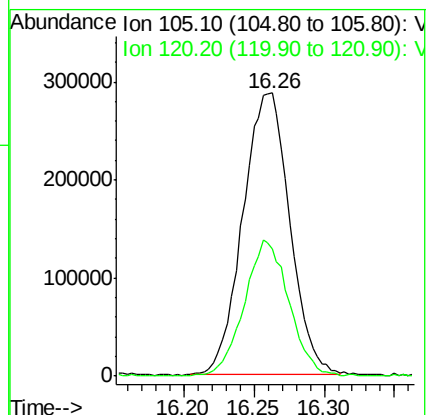
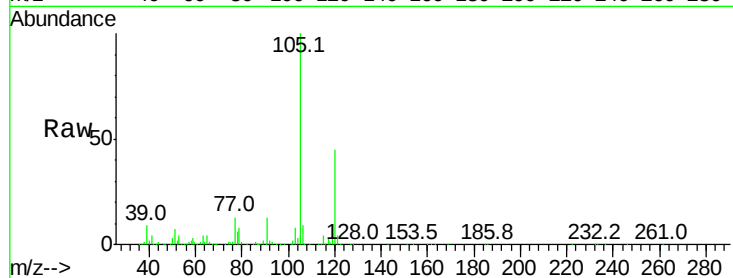
VSTDIC001

Tgt Ion:105 Resp: 669969

Ion Ratio Lower Upper

105 100

120 45.1 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 1.197 ppbv

RT: 17.02 min Scan# 4957

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Tgt Ion:105 Resp: 694353

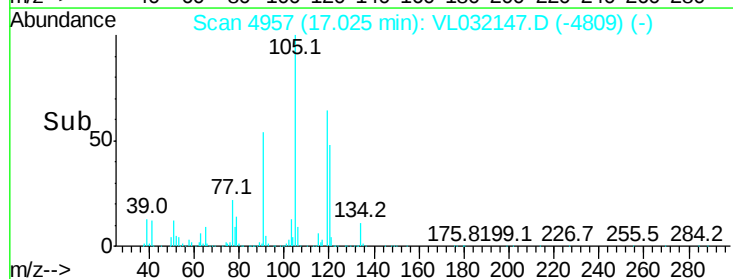
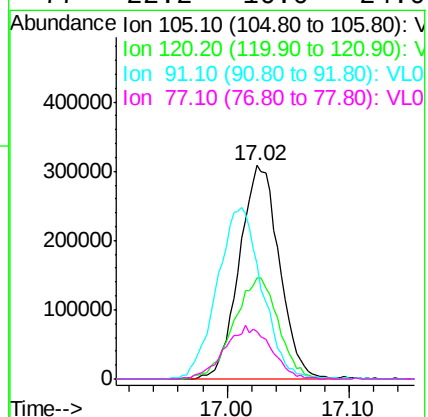
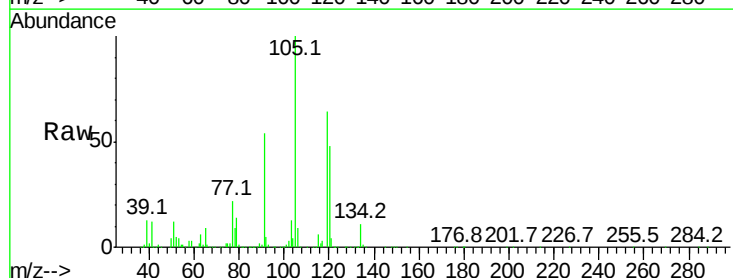
Ion Ratio Lower Upper

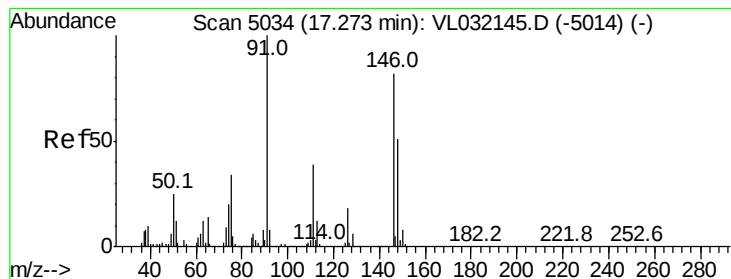
105 100

120 47.3 38.8 58.2

91 53.9 33.6 50.4#

77 22.2 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 1.117 ppbv

RT: 17.27 min Scan# 5033

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

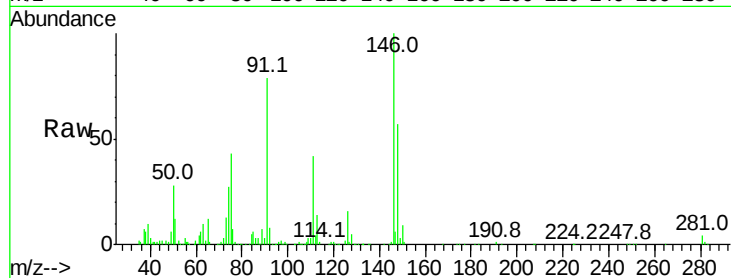
Tgt Ion:146 Resp: 396341

Ion Ratio Lower Upper

146 100

111 48.1 22.9 68.8

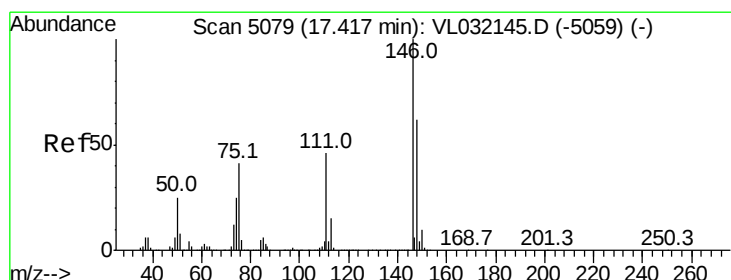
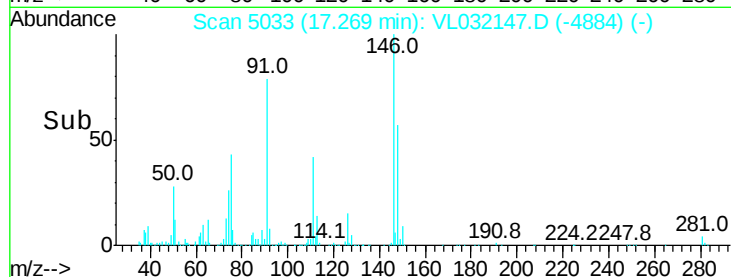
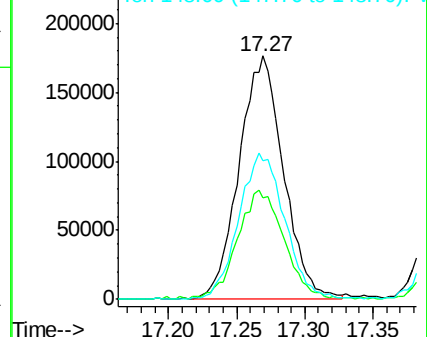
148 63.2 31.7 95.1



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: 1.035 ppbv

RT: 17.41 min Scan# 5077

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

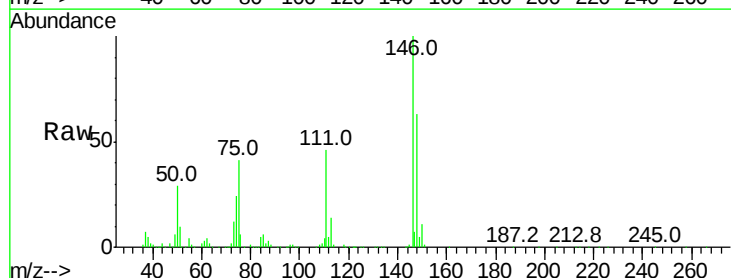
Tgt Ion:146 Resp: 373397

Ion Ratio Lower Upper

146 100

111 50.2 21.9 65.8

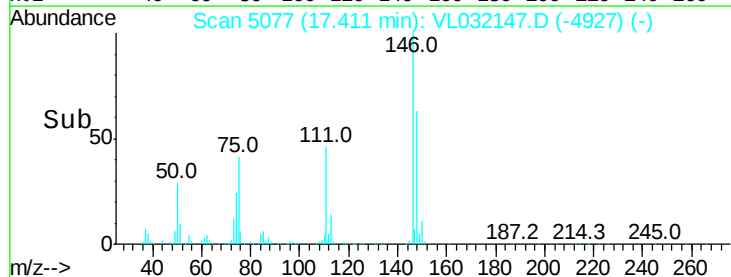
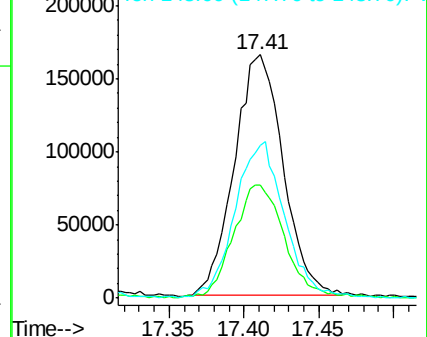
148 66.7 32.1 96.5

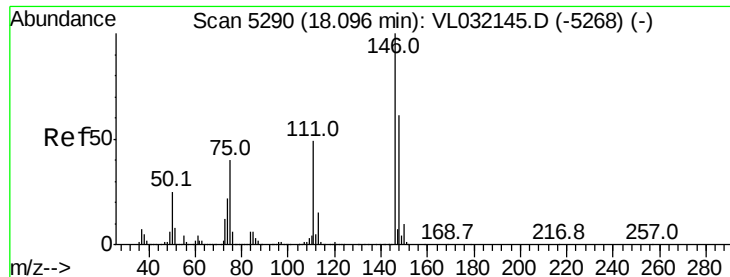


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

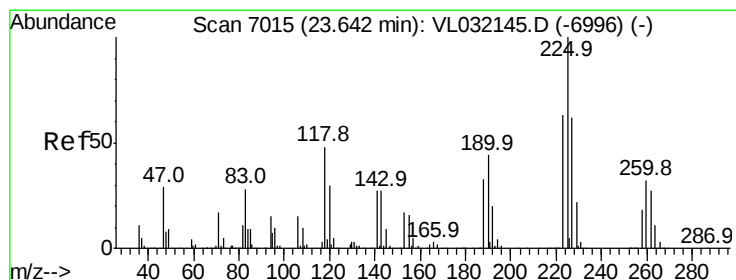
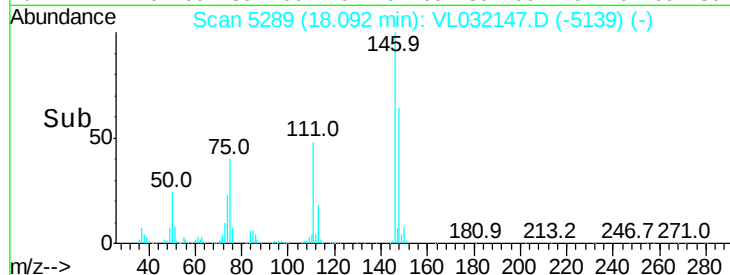
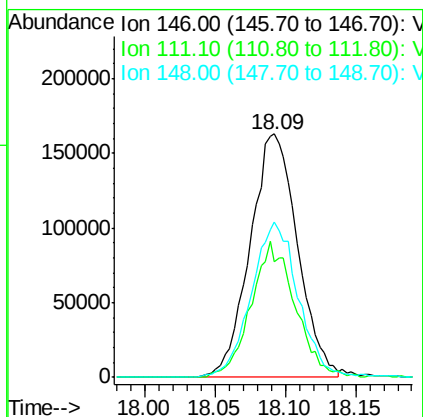
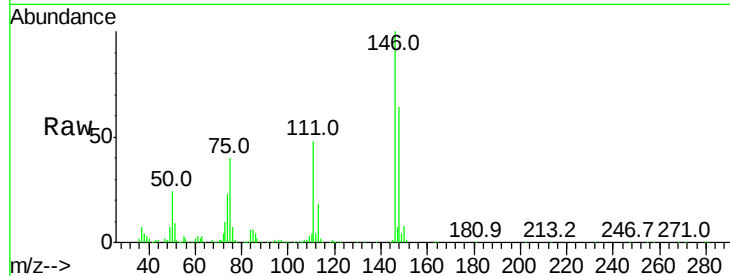




#77
 1,2-Dichlorobenzene
 Concen: 1.040 ppbv
 RT: 18.09 min Scan# 5289
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

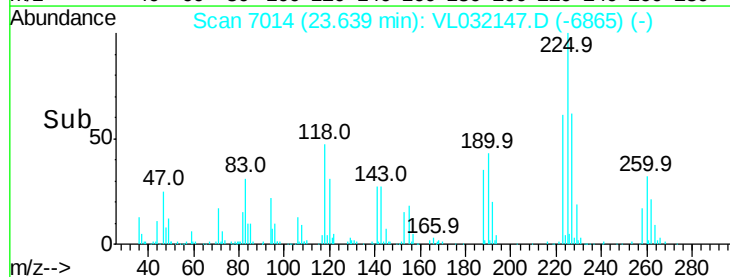
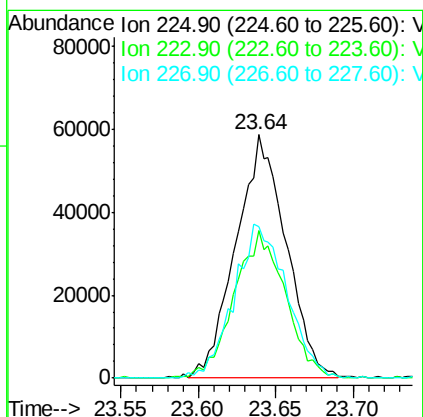
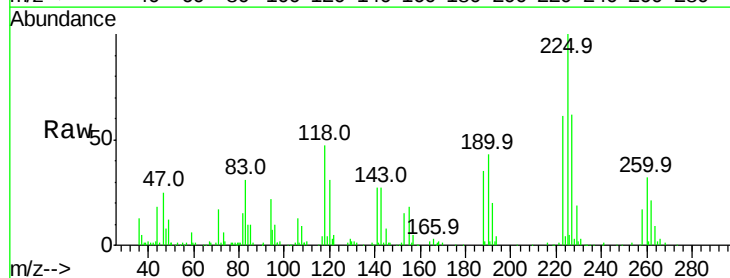
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

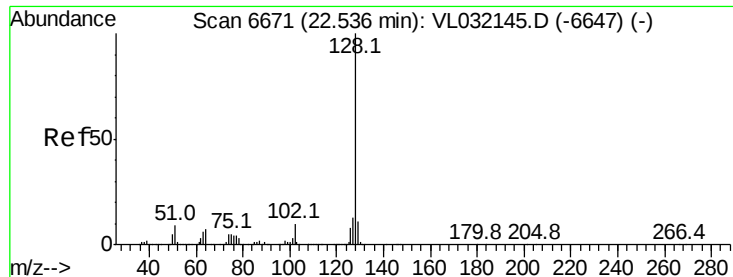
Tgt Ion:146 Resp: 383713
 Ion Ratio Lower Upper
 146 100
 111 51.6 23.4 70.3
 148 63.2 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.316 ppbv
 RT: 23.64 min Scan# 7014
 Delta R.T. -0.02 min
 Lab File: VL032147.D
 Acq: 29 Jun 2018 19:22

Tgt Ion:225 Resp: 132177
 Ion Ratio Lower Upper
 225 100
 223 61.6 51.0 76.4
 227 66.3 51.4 77.0





#79

Naphthalene

Concen: 0.863 ppbv

RT: 22.54 min Scan# 6671

Delta R.T. -0.02 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

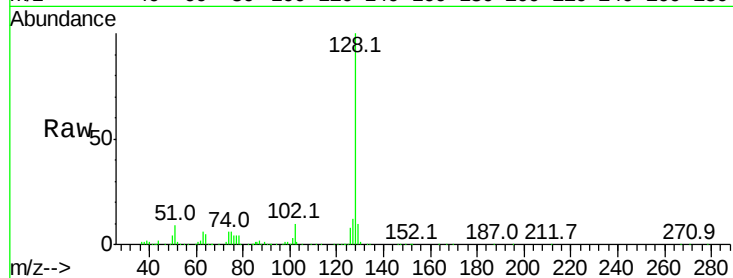
Tgt Ion:128 Resp: 522914

Ion Ratio Lower Upper

128 100

127 12.1 10.5 15.7

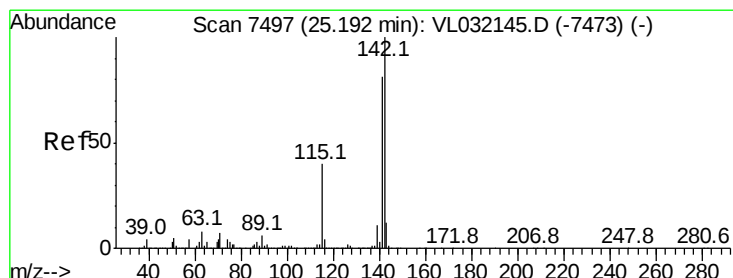
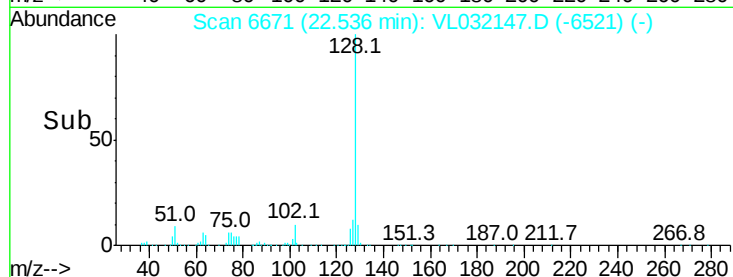
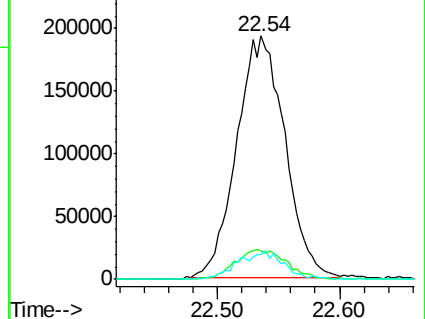
129 10.0 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.340 ppbv

RT: 25.20 min Scan# 7499

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

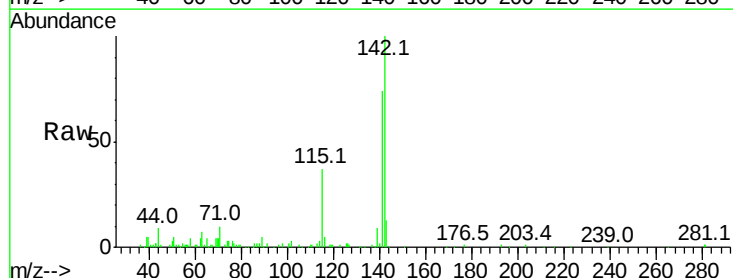
Tgt Ion:142 Resp: 123176

Ion Ratio Lower Upper

142 100

141 82.2 65.8 98.6

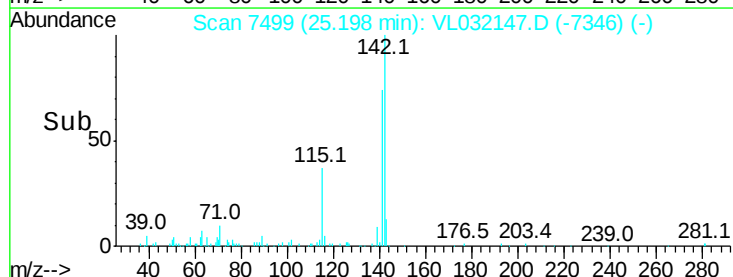
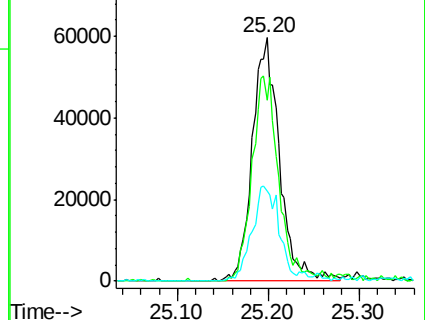
115 41.1 29.4 44.0

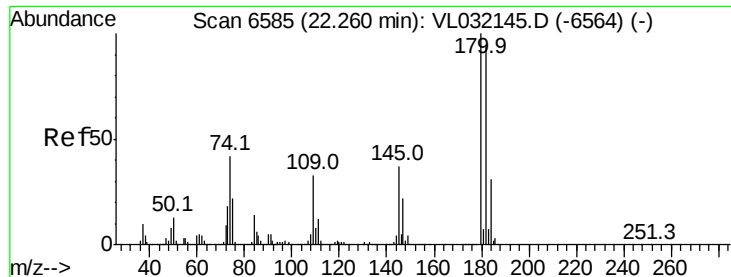


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 1.050 ppbv

RT: 22.26 min Scan# 6585

Delta R.T. -0.01 min

Lab File: VL032147.D

Acq: 29 Jun 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

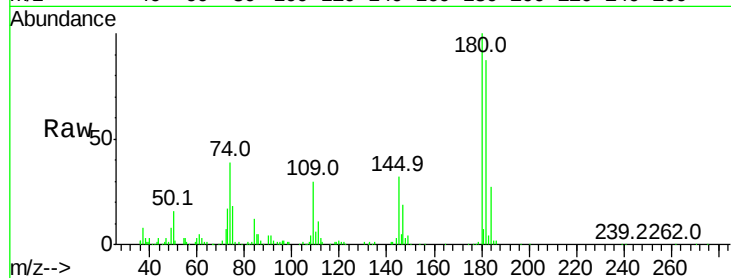
Tgt Ion:180 Resp: 249038

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

184 30.9 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

