

Data File : VL032146.D
Acq On : 29 Jun 2018 18:45
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jun 29 20:36:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 14 15:20:36 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	1300986	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3357676	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3358814	10.00	ppbv	-0.02

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.68 95 2870677 11.50 ppbv -0.02
Spiked Amount 10.000 Range 65 - 135 Recovery = 115.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	304208	2.230	ppbv	98
3) Chlorodifluoromethane	3.07	51	335245	1.985	ppbv	98
4) Chloromethane	3.23	50	173454	1.922	ppbv	99
5) Vinyl Chloride	3.35	62	176547	1.896	ppbv	96
6) Bromomethane	3.58	94	97090	1.796	ppbv	97
7) Chloroethane	3.66	64	66213	1.919	ppbv	91
8) Dichlorotetrafluoroethane	3.28	85	389230	2.074	ppbv	97
9) Propene	3.09	41	155486	1.884	ppbv	100
10) Heptane	8.34	43	439805	1.880	ppbv	100
11) Trichlorofluoromethane	4.08	101	396619	2.207	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	265929	2.186	ppbv	98
13) Ethanol	3.72	45	23902	0.962	ppbv #	41
14) Bromoethene	3.86	108	119596	2.005	ppbv	96
15) Acetone	3.97	43	322331	1.865	ppbv	99
16) 1,3-Butadiene	3.42	39	148388	1.828	ppbv	99
17) tert-Butyl alcohol	4.44	59	204454	1.967	ppbv	99
18) 1,1-Dichloroethene	4.42	96	123479	2.067	ppbv	97
19) Isopropyl Alcohol	4.10	45	266050	1.961	ppbv #	40
20) Methylene Chloride	4.49	84	112953	1.935	ppbv	98
21) Allyl Chloride	4.55	41	217939	2.032	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	131997	2.171	ppbv	92
23) Vinyl Acetate	5.23	43	560410	2.130	ppbv	99
24) 1,1-Dichloroethane	5.17	63	379859	1.918	ppbv	99
25) Ethyl Acetate	5.86	43	662878	1.749	ppbv	100
26) Hexane	5.86	57	312969	1.862	ppbv	99
27) Carbon Disulfide	4.70	76	307066	1.828	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	547813	2.577	ppbv	99
29) Chloroform	5.93	83	438932	1.978	ppbv	98
30) Cyclohexane	7.34	84	290197	2.097	ppbv	91
31) cis-1,2-Dichloroethene	5.72	61	306045	2.046	ppbv	99
32) 1,1,1-Trichloroethane	6.71	97	440400	1.904	ppbv	99
34) 2-Butanone	5.41	43	447406	1.641	ppbv	99
35) Carbon Tetrachloride	7.22	117	450612	1.934	ppbv	96
36) Benzene	7.10	78	649894	1.785	ppbv	99
37) 1,2-Dichloroethane	6.50	62	333767	1.783	ppbv	99
38) Trichloroethene	8.06	130	253657	1.807	ppbv	95
39) 1,2-Dichloropropane	7.83	63	271644	2.032	ppbv	99
40) 1,4-Dioxane	8.07	88	54346	0.872	ppbv #	21
41) Tetrahydrofuran	6.24	42	270857	1.664	ppbv	99
42) Bromodichloromethane	8.01	83	529000	2.089	ppbv	95
43) Methyl Methacrylate	8.23	69	279563	1.941	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 14 15:20:36 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	8.08	57	1189959	1.991	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	345584	1.940	ppbv	94
46) cis-1,3-Dichloropropene	8.93	75	419457	1.839	ppbv	96
47) 1,1,2-Trichloroethane	9.71	97	278007	1.838	ppbv	96
48) Dibromochloromethane	10.55	129	453813	2.004	ppbv	100
49) Bromoform	13.30	173	377626	2.178	ppbv	100
50) 4-Methyl-2-Pentanone	8.97	43	734895	1.738	ppbv	98
51) 2-Hexanone	10.38	43	633301	1.505	ppbv	100
52) Tetrachloroethene	11.48	164	234393	1.742	ppbv	96
53) Toluene	10.04	91	827636	1.883	ppbv	99
54) 1,2-Dibromoethane	10.86	107	425316	1.900	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.39	131	322125	2.157	ppbv #	1
57) Chlorobenzene	12.40	112	617651	1.941	ppbv	97
58) Ethyl Benzene	12.97	91	1123219	1.919	ppbv	93
59) m/p-Xylene	13.25	91	912029	1.969	ppbv #	29
60) o-Xylene	13.95	91	901153	1.962	ppbv	98
61) Styrene	13.78	104	727886	5.304	ppbv	96
62) Isopropylbenzene	14.93	105	1614281	2.637	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	633216	1.775	ppbv	99
64) n-propylbenzene	15.83	120	437659	2.744	ppbv	87
65) tert-Butylbenzene	17.01	119	1507342	2.797	ppbv	96
66) Benzyl Chloride	17.26	91	984213	14.313	ppbv	98
67) sec-Butylbenzene	17.56	105	2193607	2.792	ppbv	98
69) p-Isopropyltoluene	17.92	119	1777943	2.761	ppbv	97
70) n-Butylbenzene	18.82	91	1844423	2.723	ppbv	99
71) 2-Chlorotoluene	15.72	91	1290938	2.749	ppbv	97
72) 4-Ethyltoluene	16.10	105	1411347	2.722	ppbv	98
73) 1,3,5-Trimethylbenzene	16.26	105	1319504	2.843	ppbv	97
74) 1,2,4-Trimethylbenzene	17.03	105	1349915	2.735	ppbv #	89
75) 1,3-Dichlorobenzene	17.27	146	783633	2.597	ppbv	98
76) 1,4-Dichlorobenzene	17.41	146	781609	2.547	ppbv	98
77) 1,2-Dichlorobenzene	18.09	146	773648	2.464	ppbv	98
78) Hexachloro-1,3-Butadiene	23.64	225	250564	2.933	ppbv	99
79) Naphthalene	22.53	128	1200643	2.329	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	354475	1.149	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	535319	2.652	ppbv	99

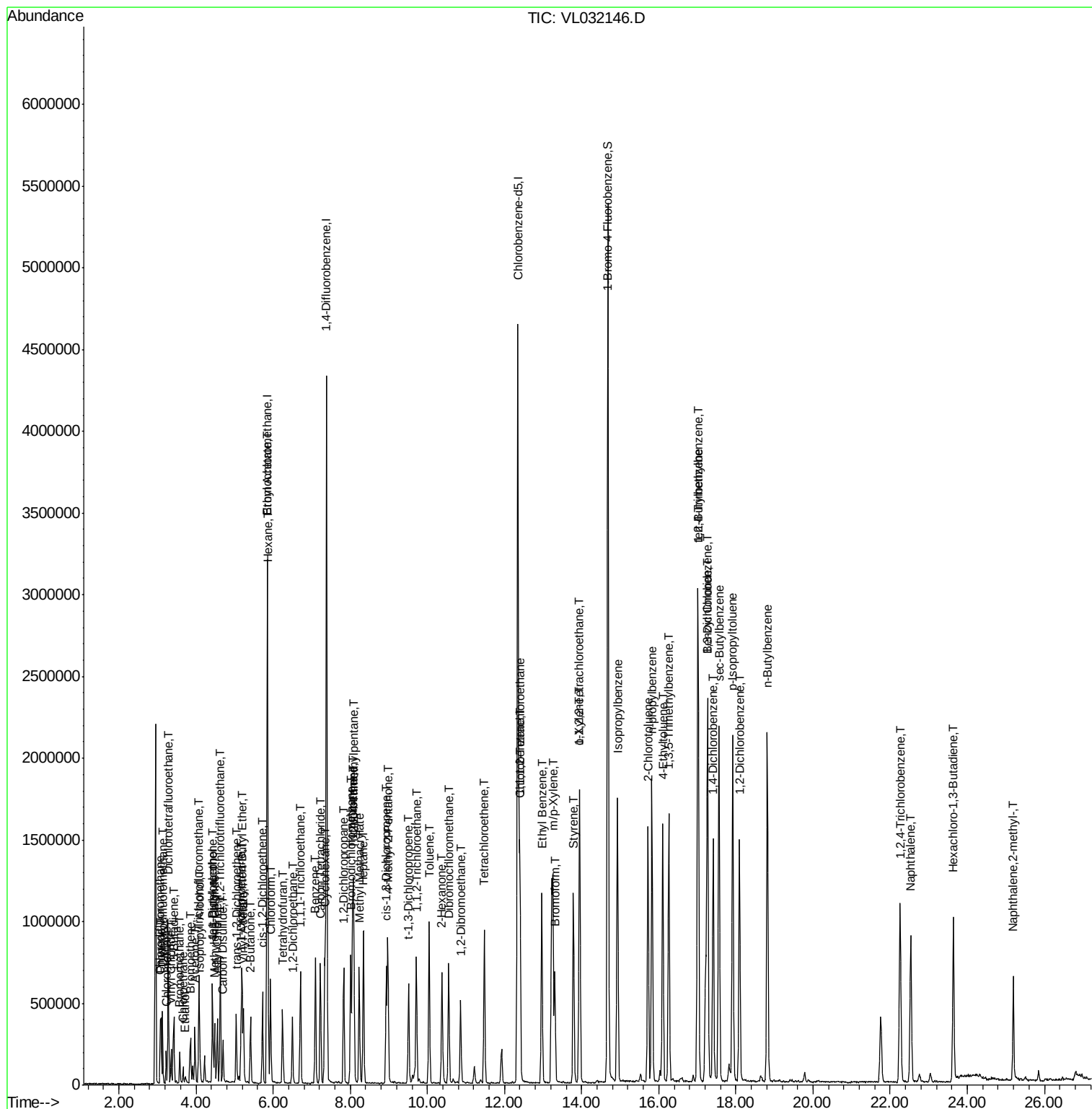
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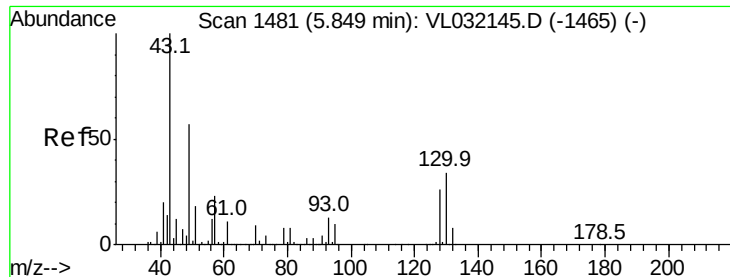
Data File : VL032146.D

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ClientSampleId :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

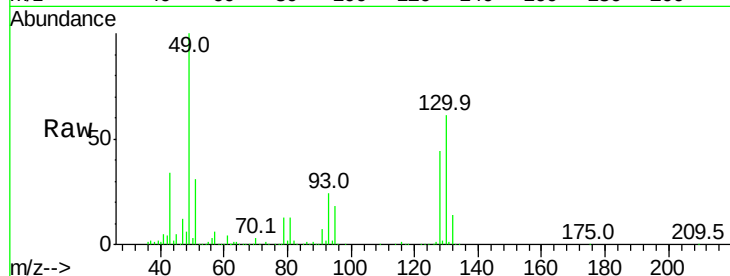
Tgt Ion: 49 Resp: 1300986

Ion Ratio Lower Upper

49 100

128 47.1 23.4 70.0

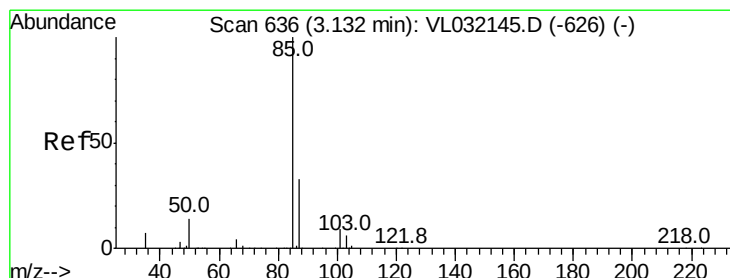
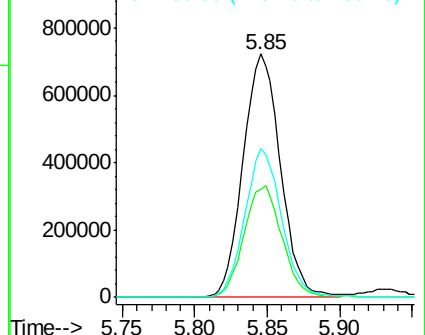
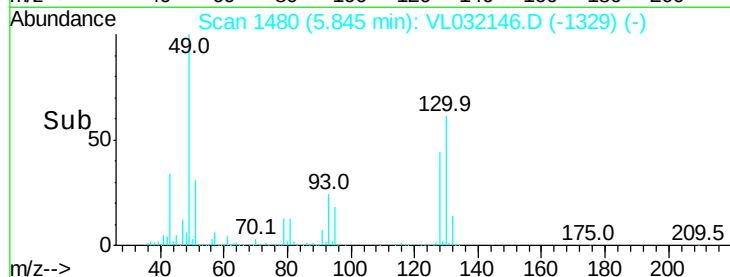
130 60.6 30.3 90.9



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: 2.230 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032146.D

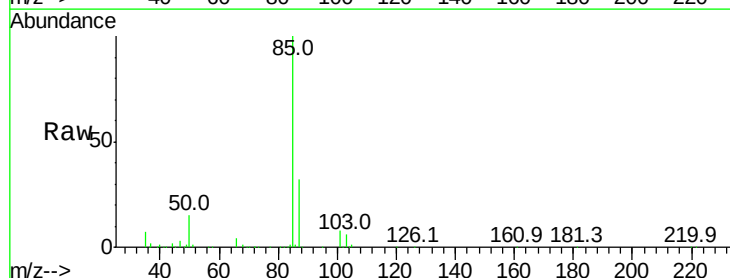
Acq: 29 Jun 2018 18:45

Tgt Ion: 85 Resp: 304208

Ion Ratio Lower Upper

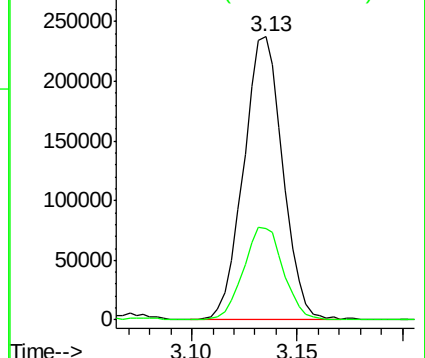
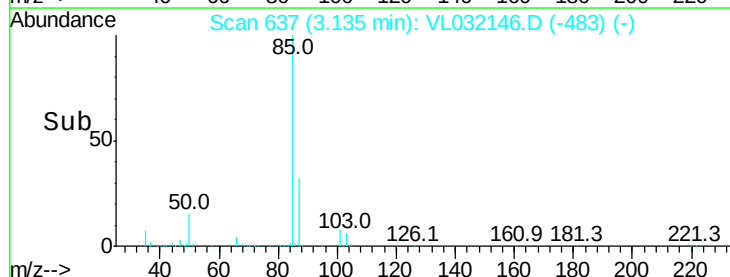
85 100

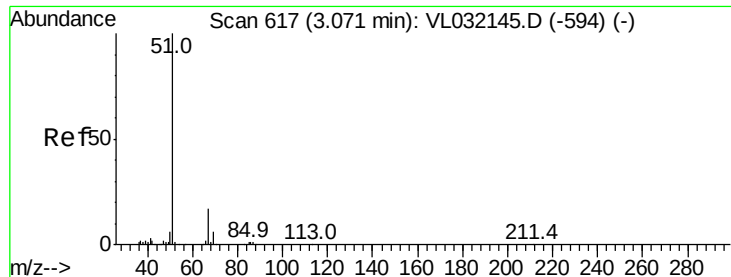
87 32.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

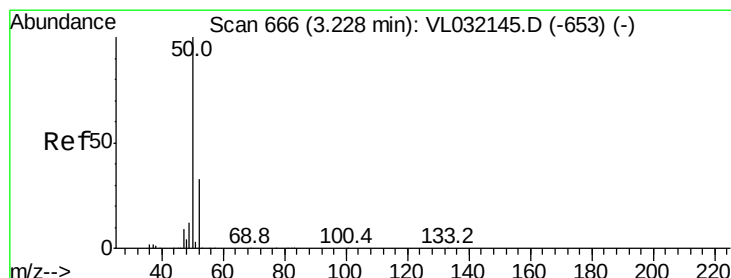
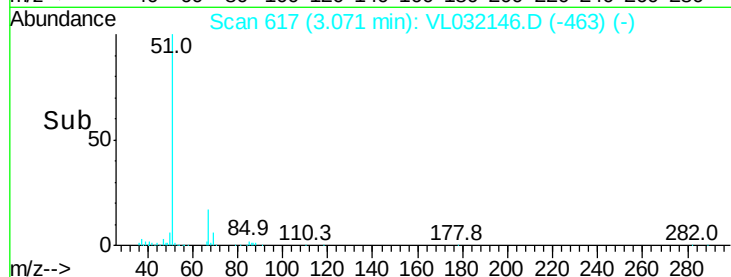
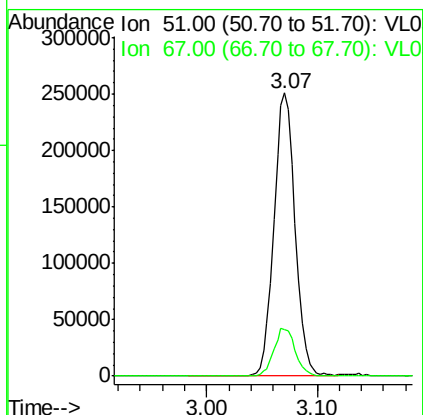
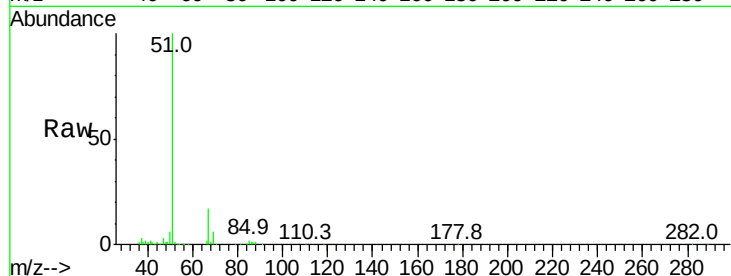




#3
Chlorodifluoromethane
Concen: 1.985 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.01 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

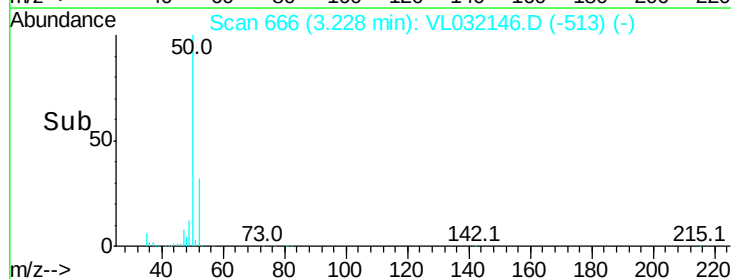
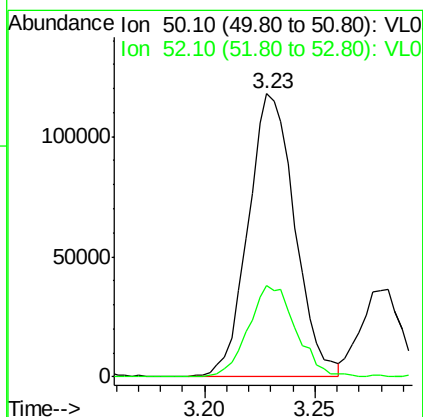
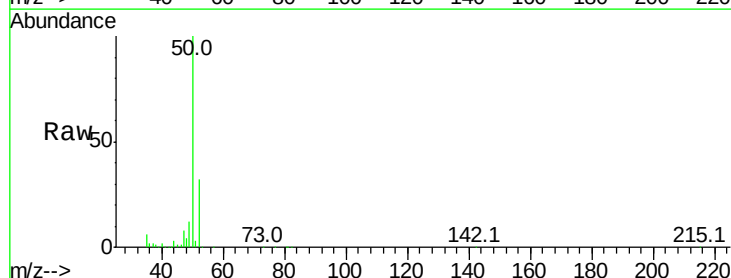
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

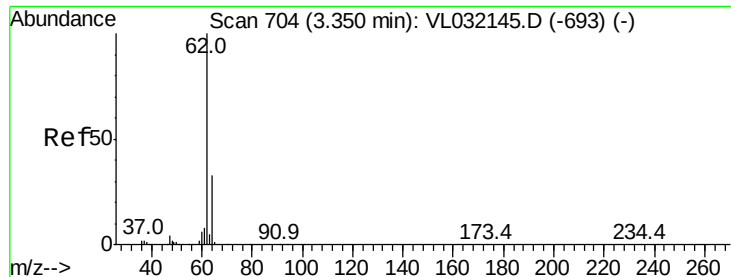
Tgt Ion: 51 Resp: 335245
Ion Ratio Lower Upper
51 100
67 17.3 13.2 19.8



#4
Chloromethane
Concen: 1.922 ppbv
RT: 3.23 min Scan# 666
Delta R.T. -0.01 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

Tgt Ion: 50 Resp: 173454
Ion Ratio Lower Upper
50 100
52 32.1 26.0 39.0





#5

Vinyl Chloride

Concen: 1.896 ppbv

RT: 3.35 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

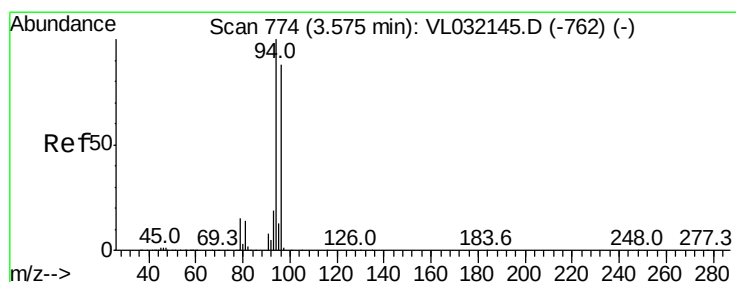
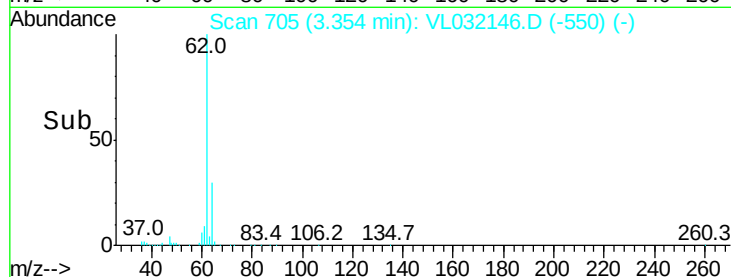
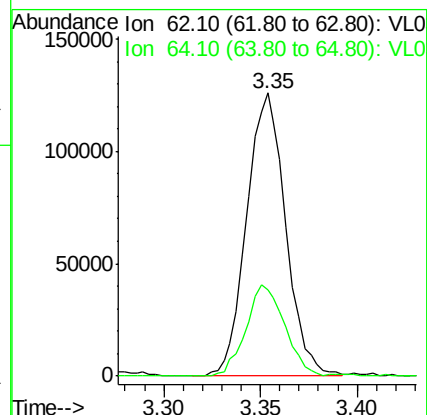
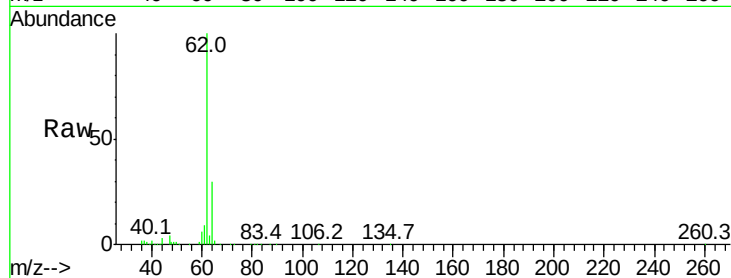
VSTDIC002

Tgt Ion: 62 Resp: 176547

Ion Ratio Lower Upper

62 100

64 30.3 26.1 39.1



#6

Bromomethane

Concen: 1.796 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032146.D

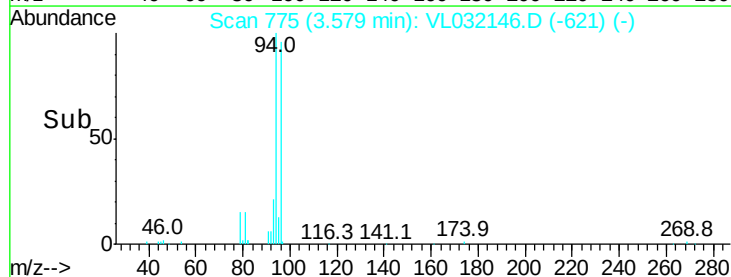
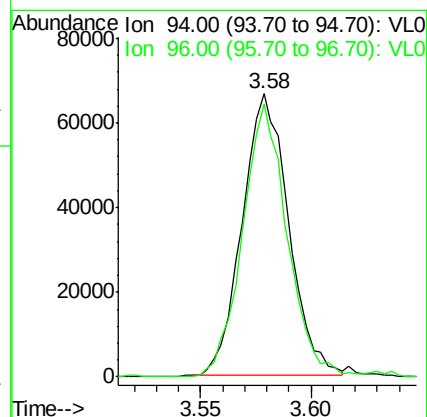
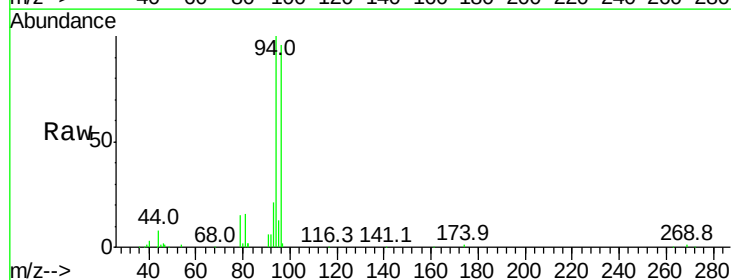
Acq: 29 Jun 2018 18:45

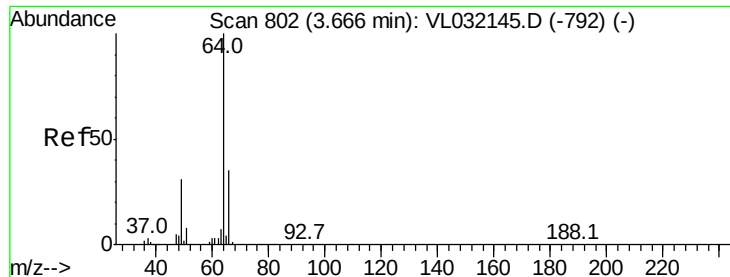
Tgt Ion: 94 Resp: 97090

Ion Ratio Lower Upper

94 100

96 96.7 74.7 112.1





#7

Chloroethane

Concen: 1.919 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

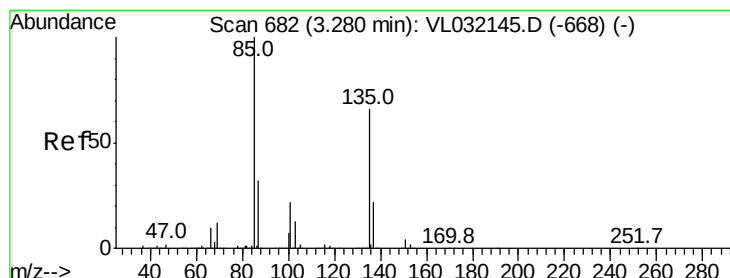
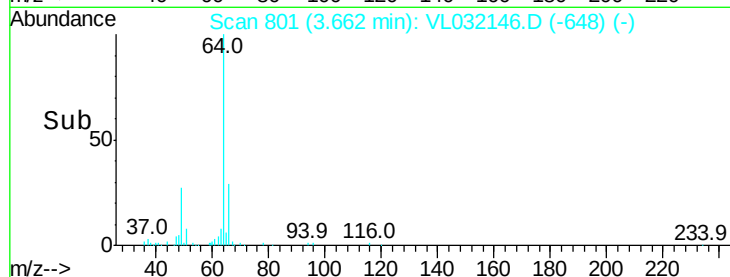
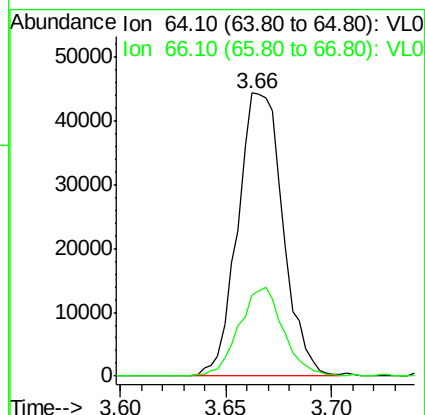
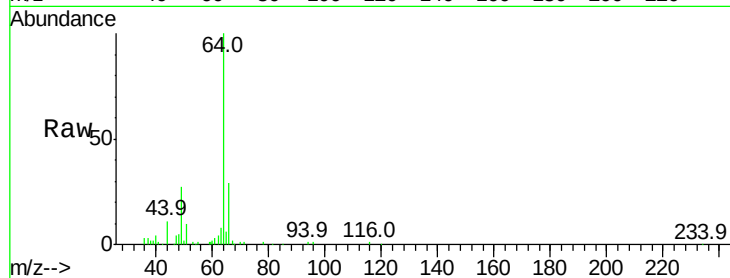
VSTDIC002

Tgt Ion: 64 Resp: 66213

Ion Ratio Lower Upper

64 100

66 28.7 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 2.074 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032146.D

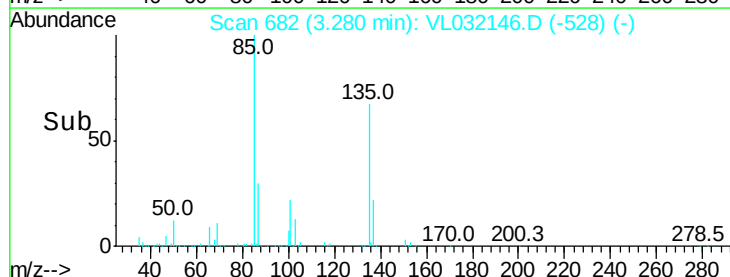
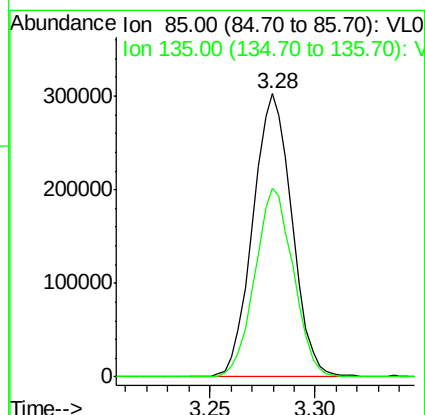
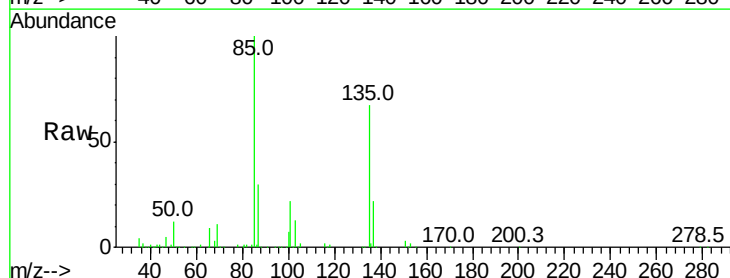
Acq: 29 Jun 2018 18:45

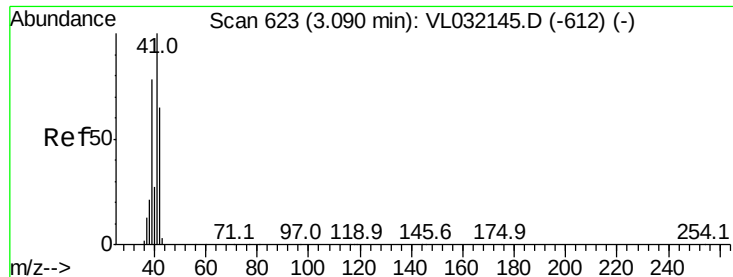
Tgt Ion: 85 Resp: 389230

Ion Ratio Lower Upper

85 100

135 65.9 54.6 82.0





#9

Propene

Concen: 1.884 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

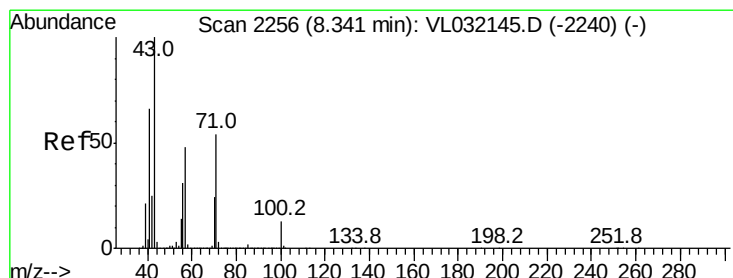
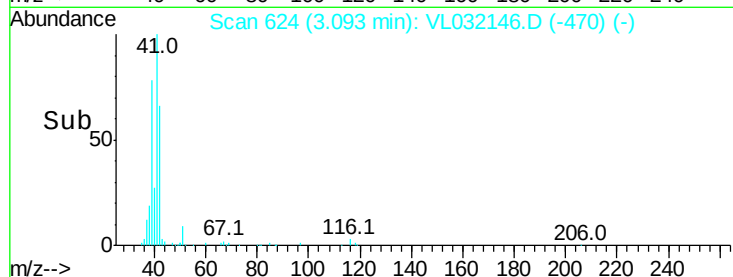
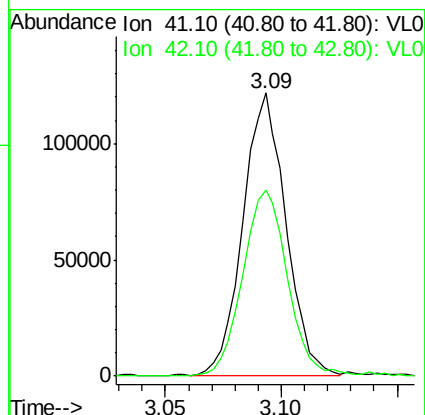
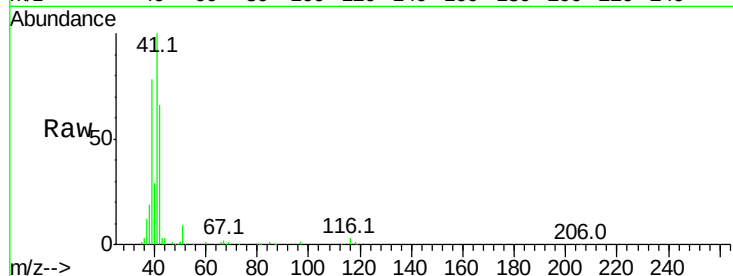
VSTDIC002

Tgt Ion: 41 Resp: 155486

Ion Ratio Lower Upper

41 100

42 70.2 56.2 84.4



#10

Heptane

Concen: 1.880 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. -0.02 min

Lab File: VL032146.D

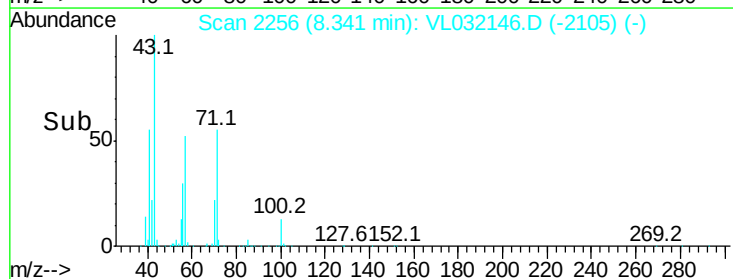
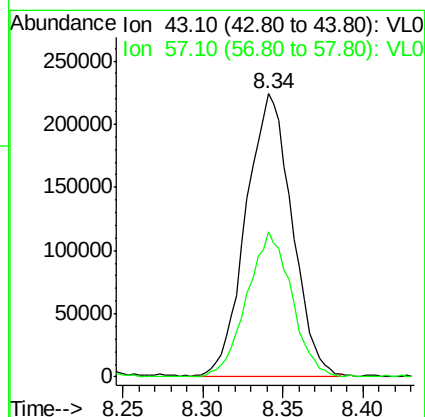
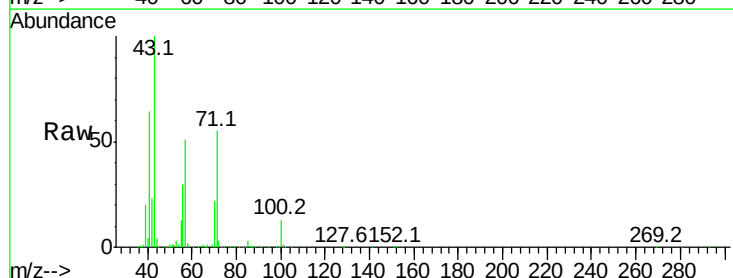
Acq: 29 Jun 2018 18:45

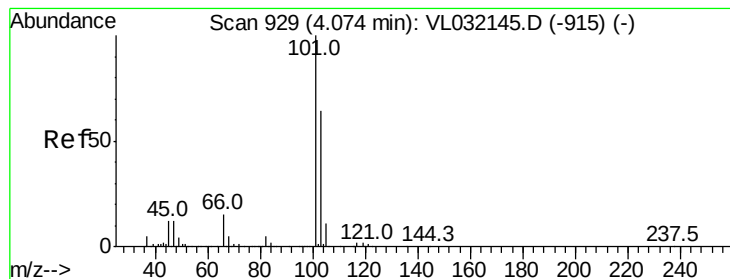
Tgt Ion: 43 Resp: 439805

Ion Ratio Lower Upper

43 100

57 49.9 39.8 59.8





#11

Trichlorofluoromethane

Concen: 2.207 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.01 min

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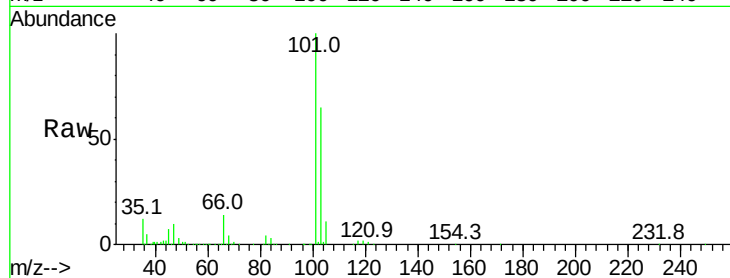
VSTDIC002

Tgt Ion:101 Resp: 396619

Ion Ratio Lower Upper

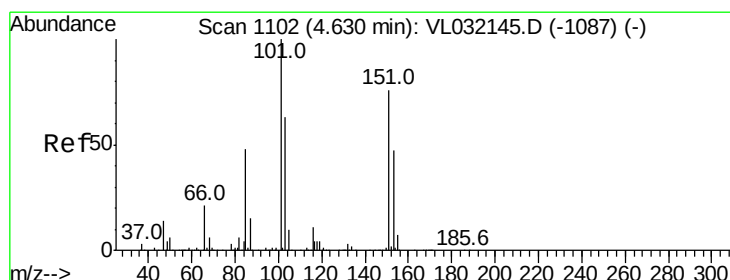
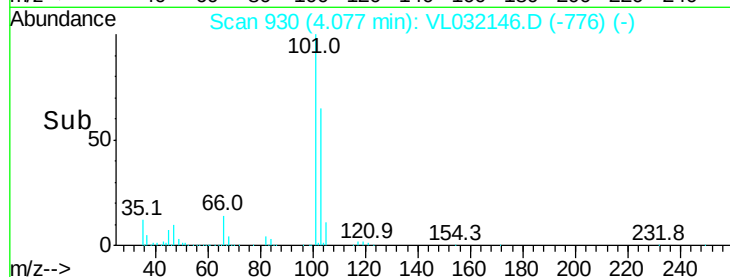
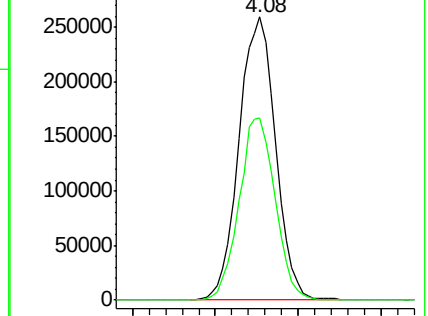
101 100

103 64.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.186 ppbv

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032146.D

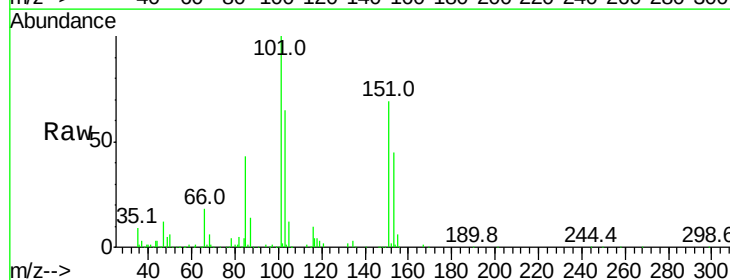
Acq: 29 Jun 2018 18:45

Tgt Ion:101 Resp: 265929

Ion Ratio Lower Upper

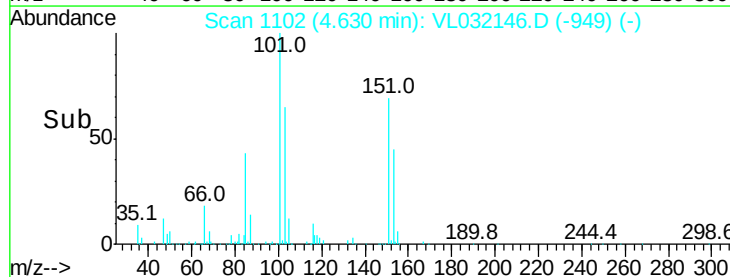
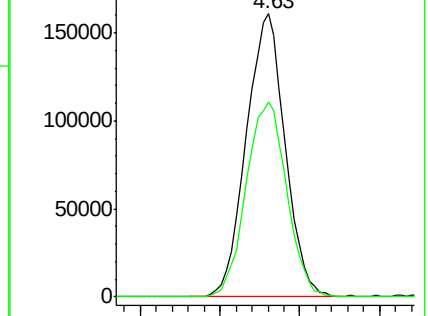
101 100

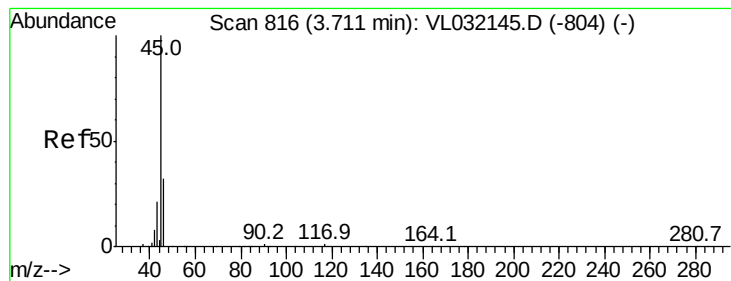
151 71.9 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.962 ppbv

RT: 3.72 min Scan# 819

Delta R.T. -0.00 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

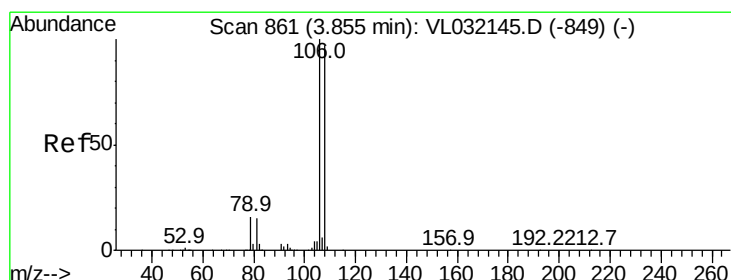
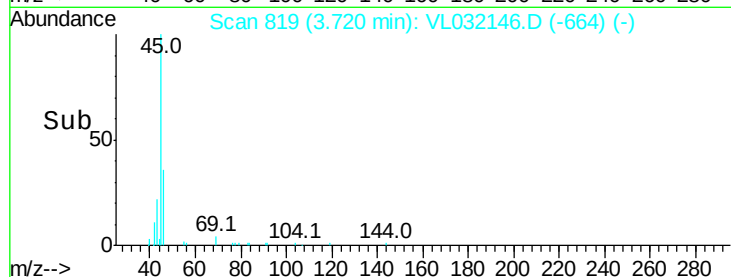
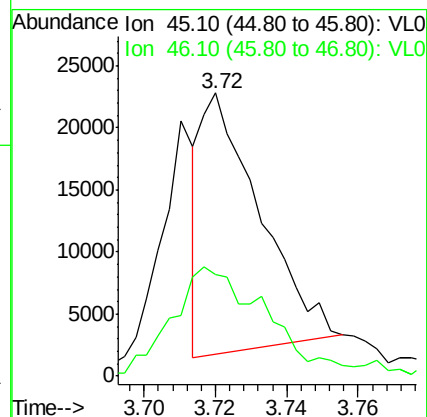
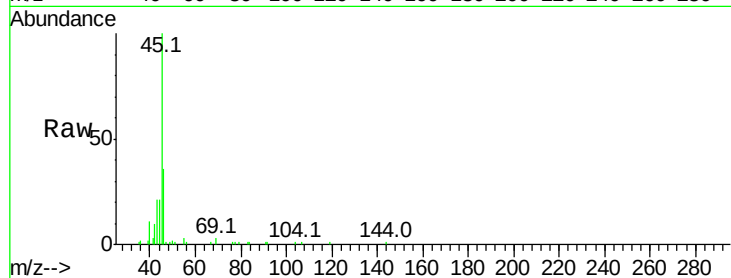
VSTDIC002

Tgt Ion: 45 Resp: 23902

Ion Ratio Lower Upper

45 100

46 71.4 14.6 58.4#



#14

Bromoethene

Concen: 2.005 ppbv

RT: 3.86 min Scan# 862

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

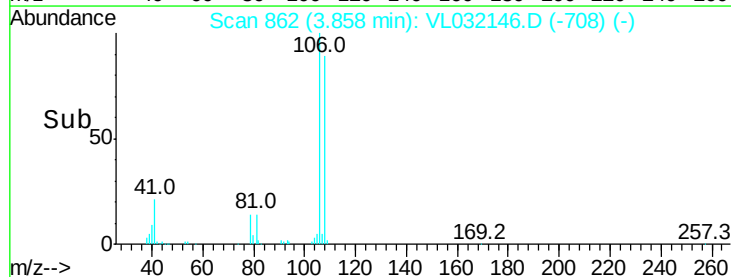
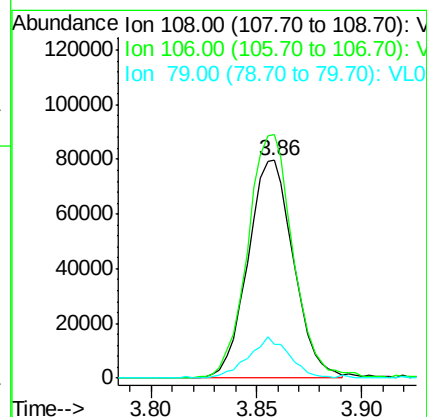
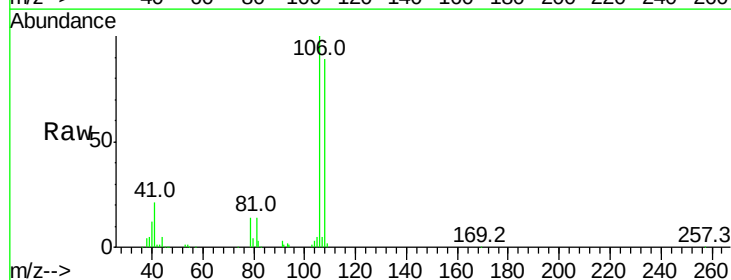
Tgt Ion: 108 Resp: 119596

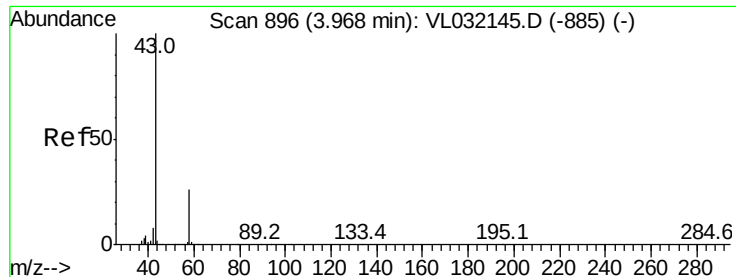
Ion Ratio Lower Upper

108 100

106 112.7 86.3 129.5

79 17.6 12.7 19.1





#15

Acetone

Concen: 1.865 ppbv

RT: 3.97 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

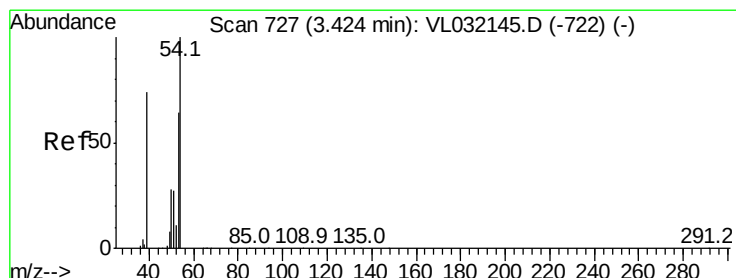
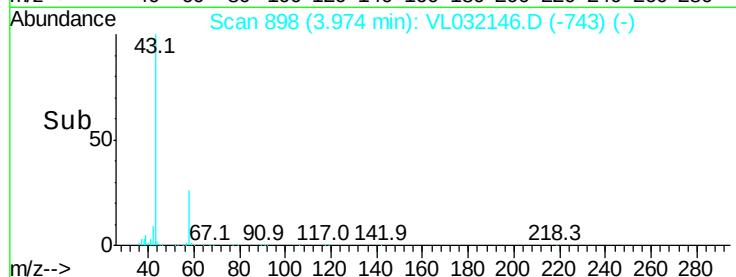
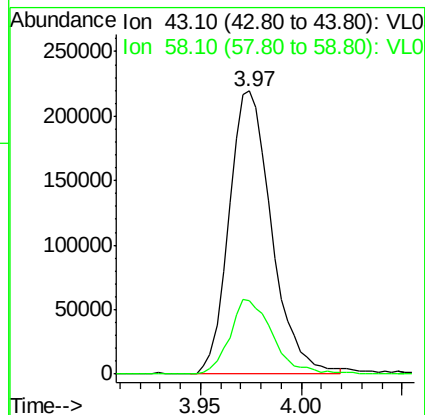
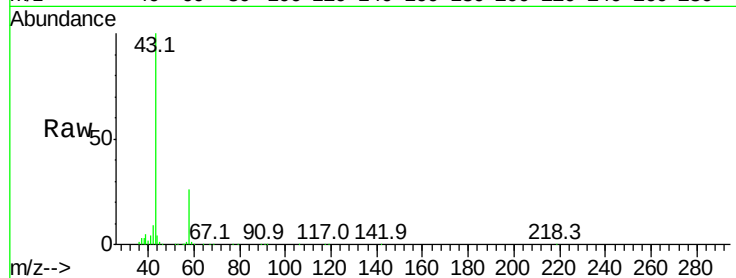
VSTDIC002

Tgt Ion: 43 Resp: 322331

Ion Ratio Lower Upper

43 100

58 27.0 21.4 32.0



#16

1,3-Butadiene

Concen: 1.828 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032146.D

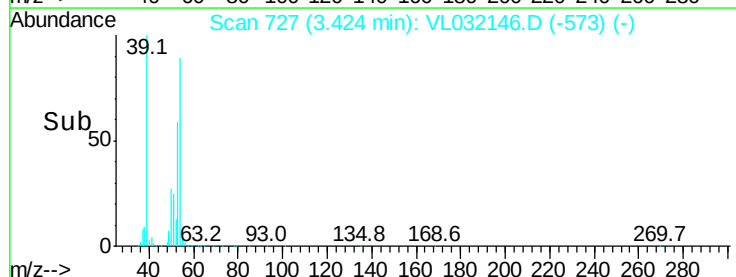
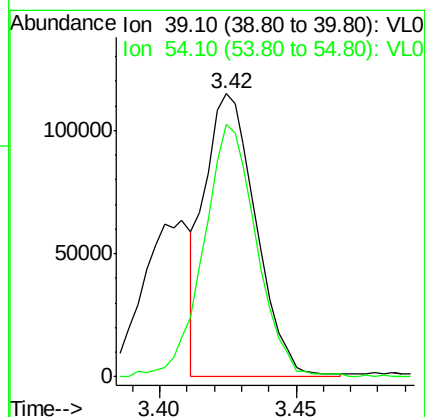
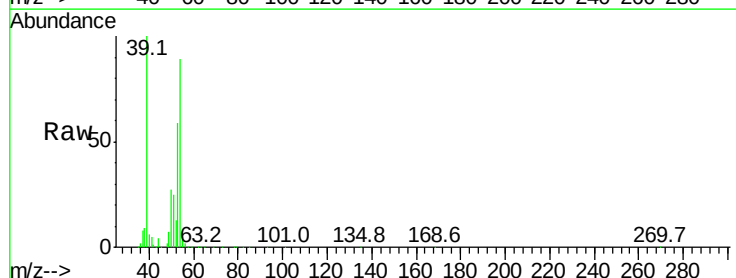
Acq: 29 Jun 2018 18:45

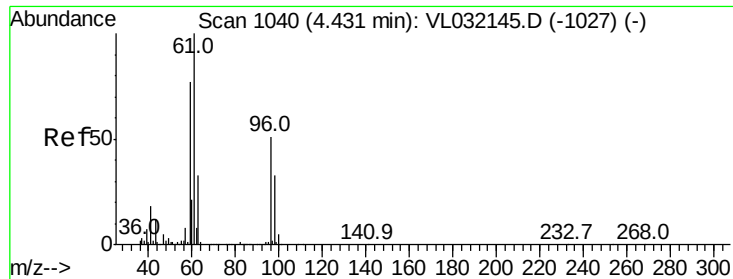
Tgt Ion: 39 Resp: 148388

Ion Ratio Lower Upper

39 100

54 93.7 75.8 113.6

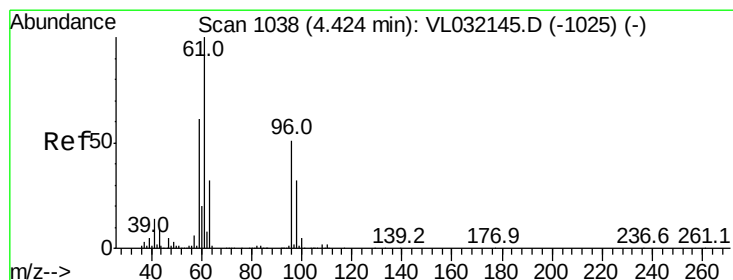
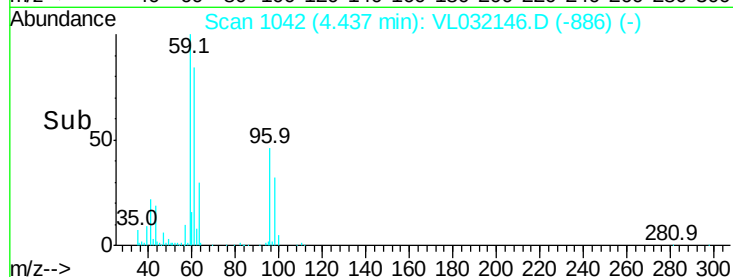
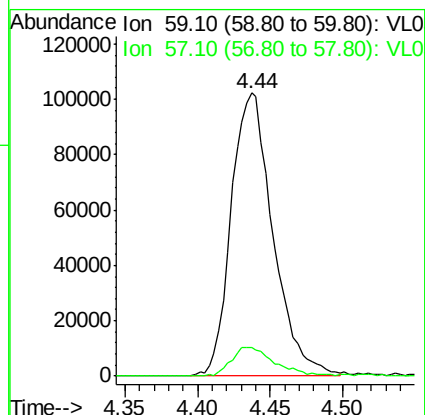
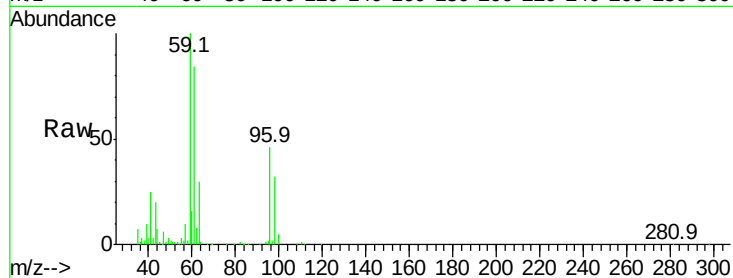




#17
 tert-Butyl alcohol
 Concen: 1.967 ppbv
 RT: 4.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

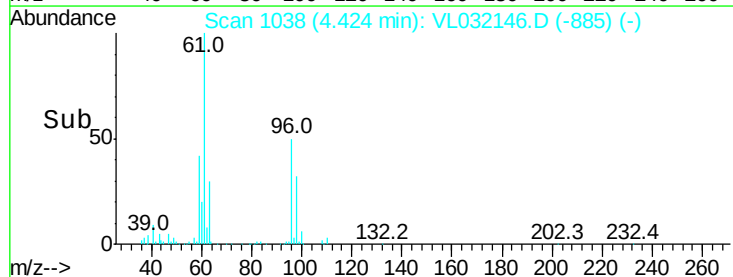
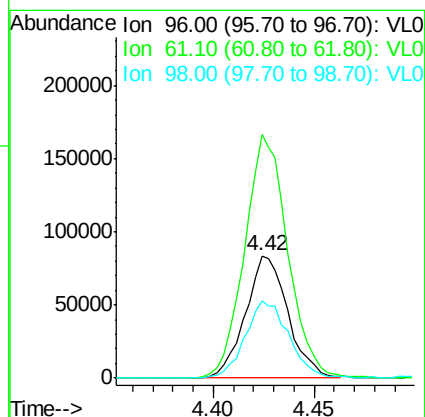
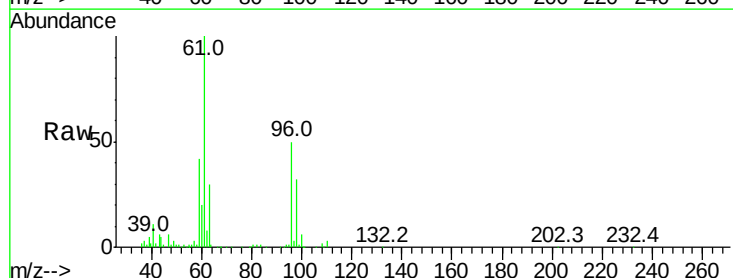
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

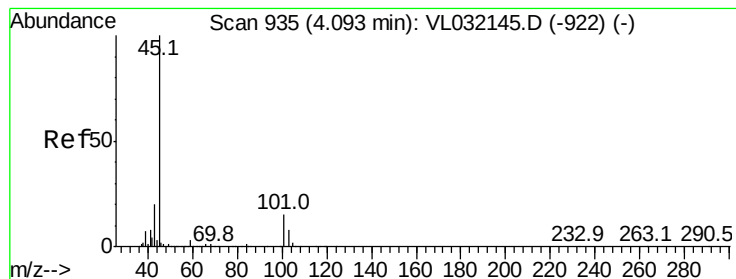
Tgt Ion: 59 Resp: 204454
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2



#18
 1,1-Dichloroethene
 Concen: 2.067 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion: 96 Resp: 123479
 Ion Ratio Lower Upper
 96 100
 61 199.1 154.1 231.1
 98 62.9 50.3 75.5





#19

Isopropyl Alcohol

Concen: 1.961 ppbv

RT: 4.10 min Scan# 937

Delta R.T. -0.00 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

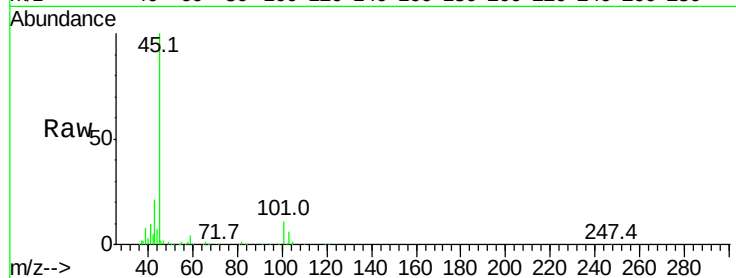
VSTDIC002

Tgt Ion: 45 Resp: 266050

Ion Ratio Lower Upper

45 100

58 1.0 29.4 44.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.10

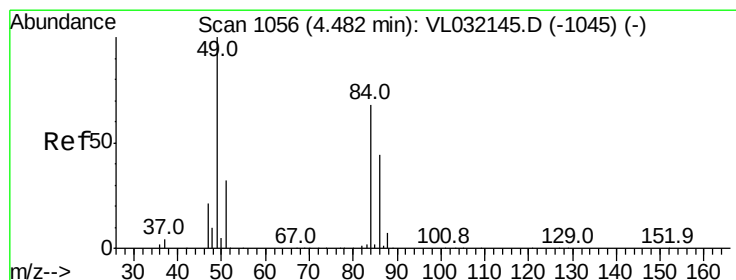
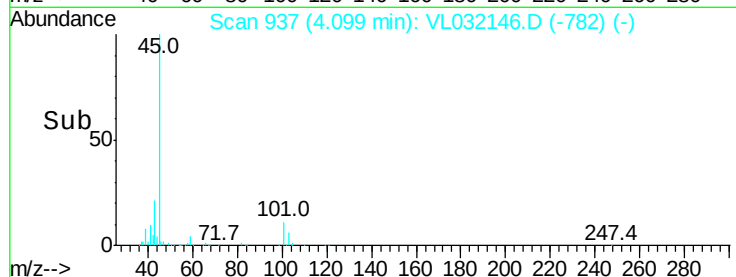
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.935 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Tgt Ion: 84 Resp: 112953

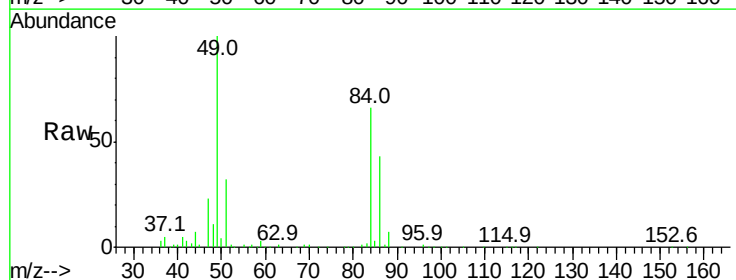
Ion Ratio Lower Upper

84 100

49 149.1 119.6 179.4

51 48.0 36.3 54.5

86 65.1 49.7 74.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

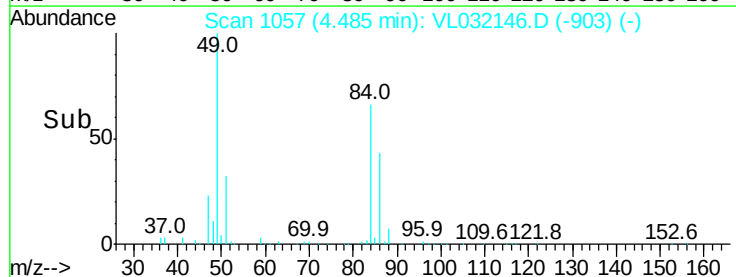
150000

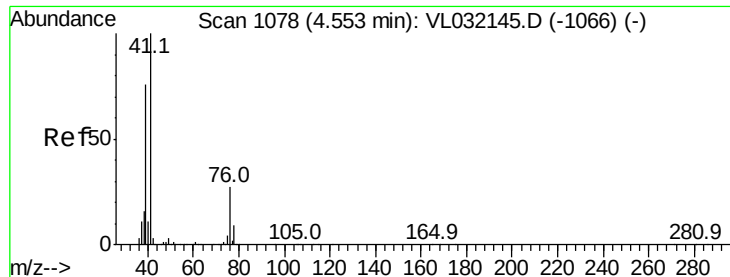
100000

50000

0

Time-->

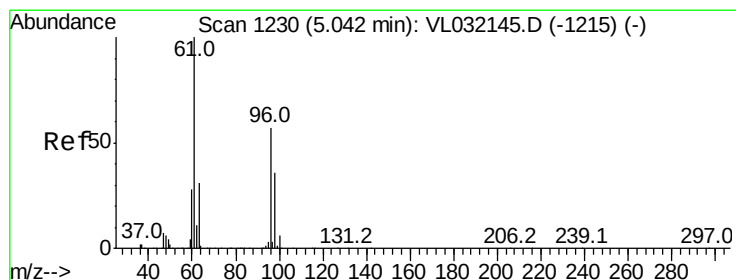
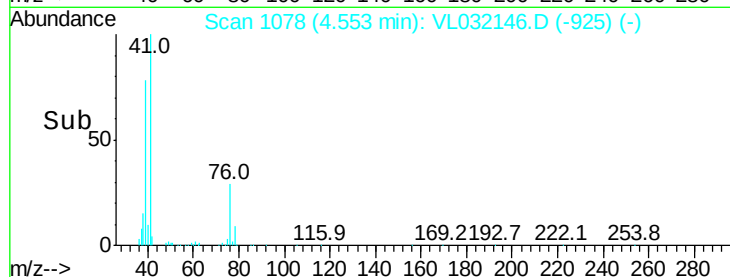
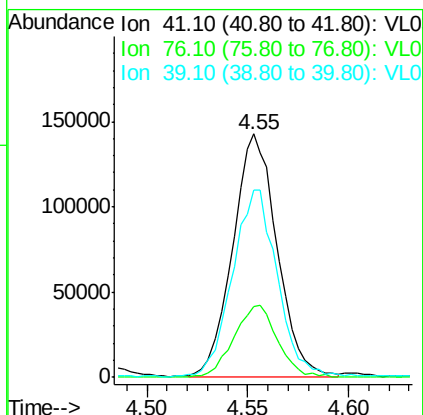
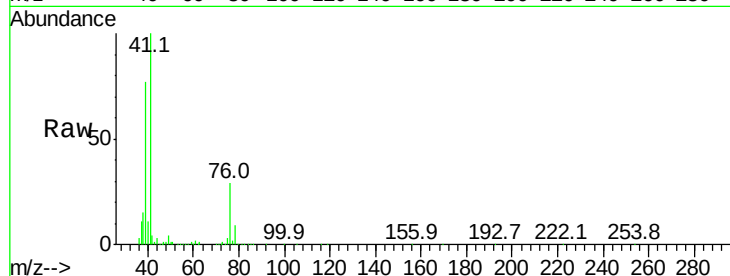




#21
 Allyl Chloride
 Concen: 2.032 ppbv
 RT: 4.55 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

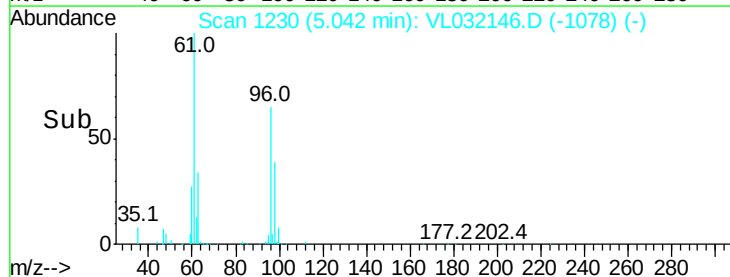
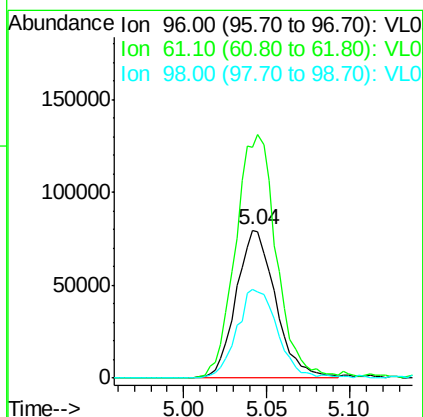
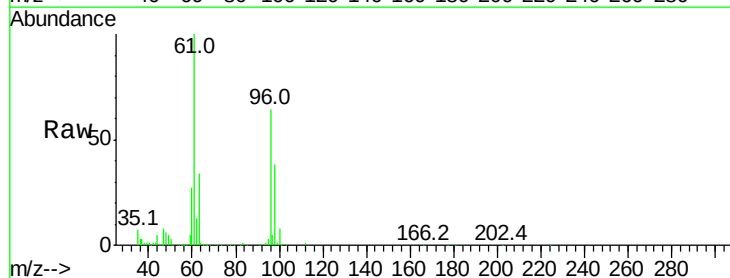
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

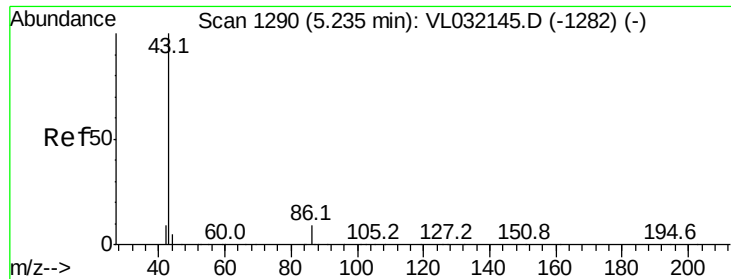
Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.5	33.7
39	78.4	60.5	90.7



#22
 trans-1,2-Dichloroethene
 Concen: 2.171 ppbv
 RT: 5.04 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	135.2	202.8
98	59.3	49.7	74.5

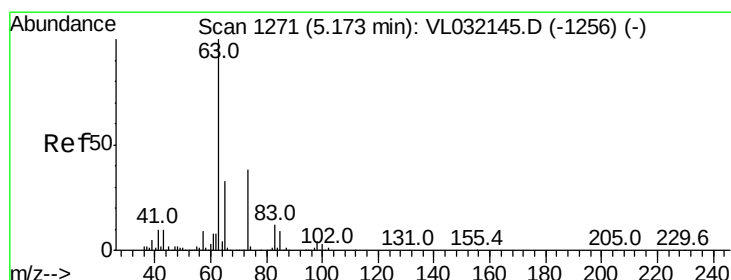
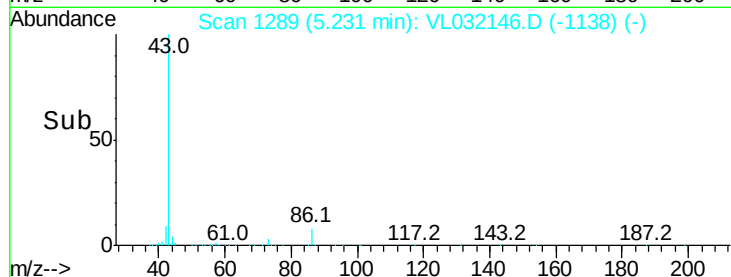
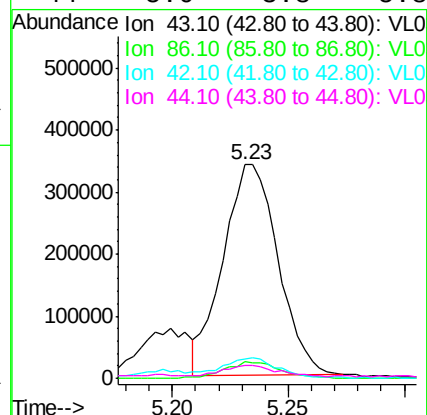
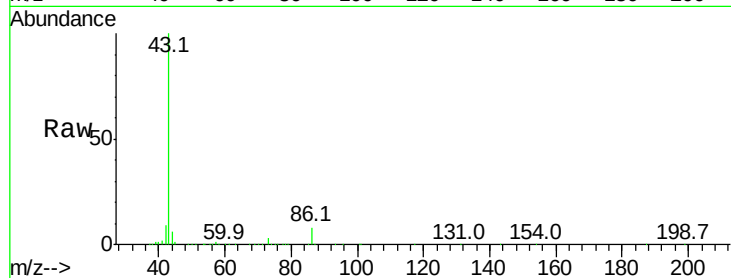




#23
 Vinyl Acetate
 Concen: 2.130 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

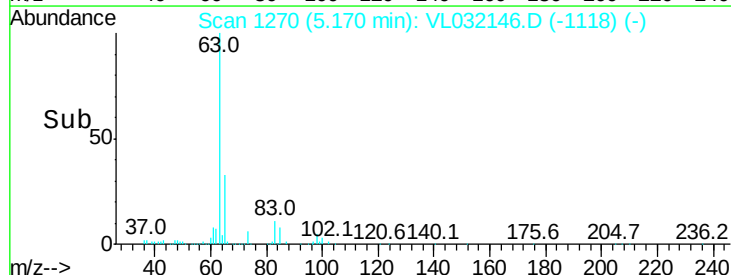
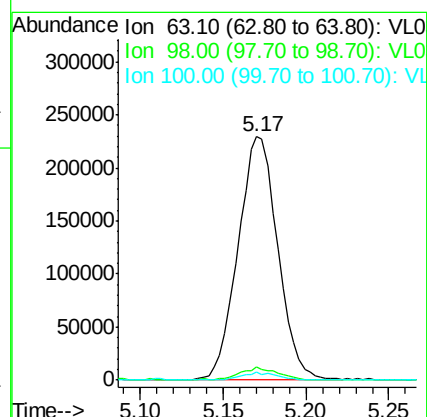
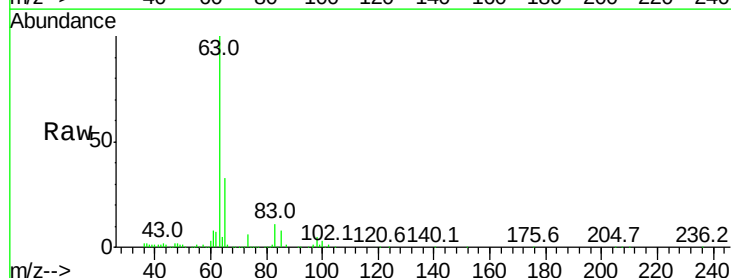
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

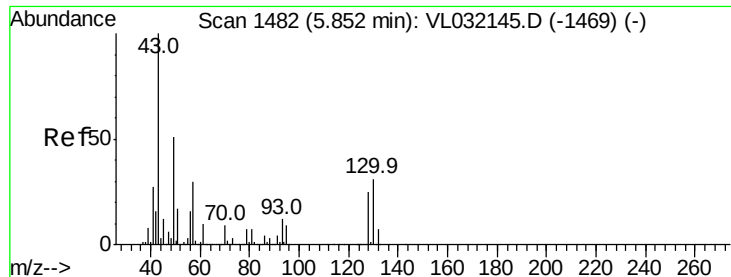
Tgt Ion:	43	Resp:	560410
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.4
42	8.3	6.9	10.3
44	5.0	3.8	5.8



#24
 1,1-Dichloroethane
 Concen: 1.918 ppbv
 RT: 5.17 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion:	63	Resp:	379859
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.4	7.2
100	3.1	1.7	5.0

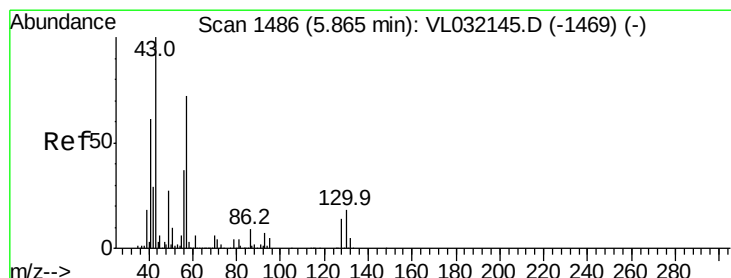
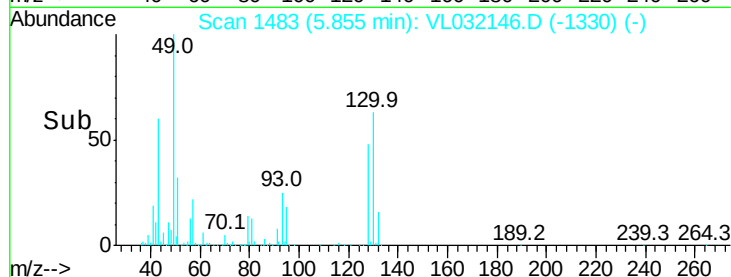
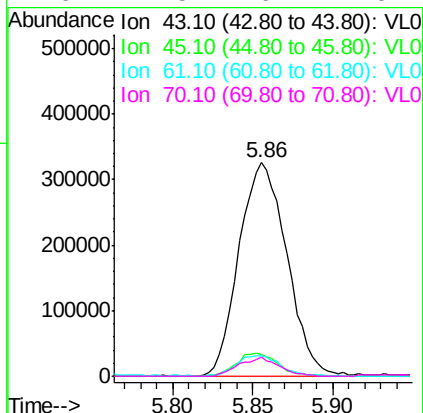
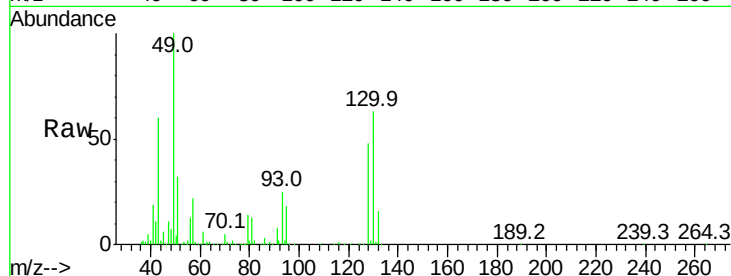




#25
Ethyl Acetate
Concen: 1.749 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

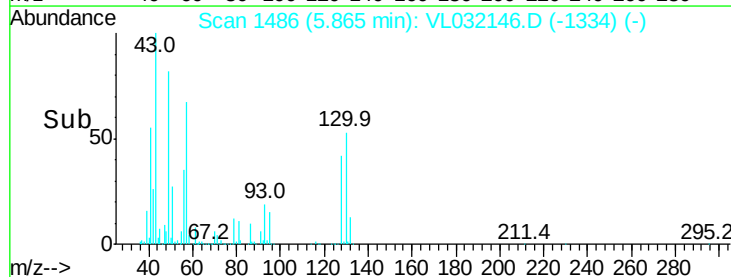
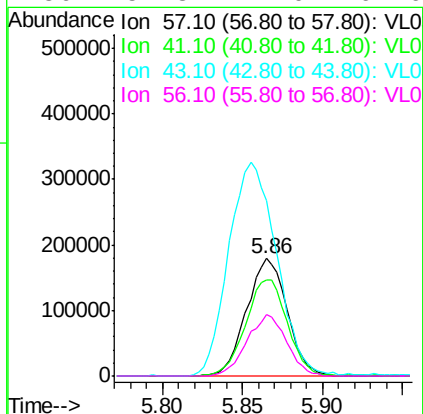
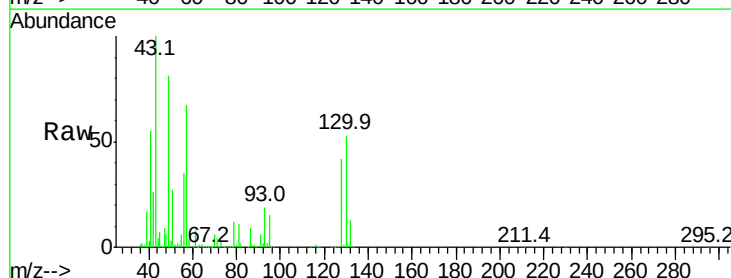
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

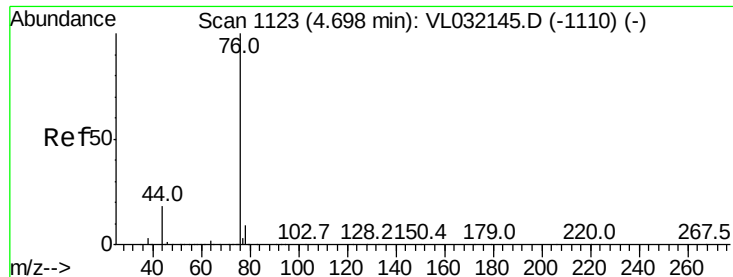
Tgt Ion:	43	Resp:	662878
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	8.9	7.4	11.0
70	7.5	6.1	9.1



#26
Hexane
Concen: 1.862 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

Tgt Ion:	57	Resp:	312969
Ion	Ratio	Lower	Upper
57	100		
41	85.5	68.6	103.0
43	213.4	168.6	252.8
56	51.3	41.0	61.6





#27

Carbon Disulfide

Concen: 1.828 ppbv

RT: 4.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

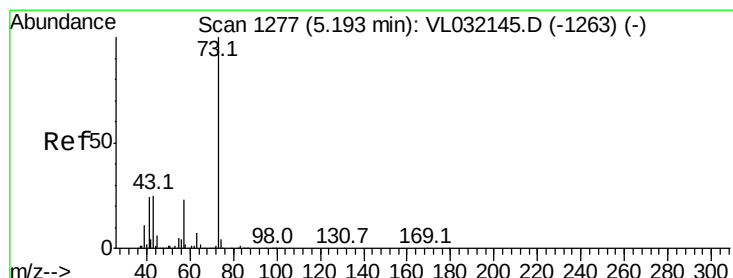
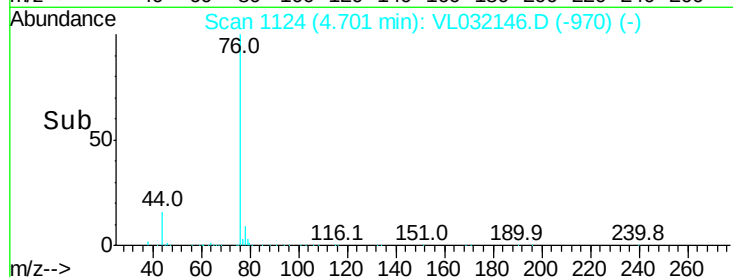
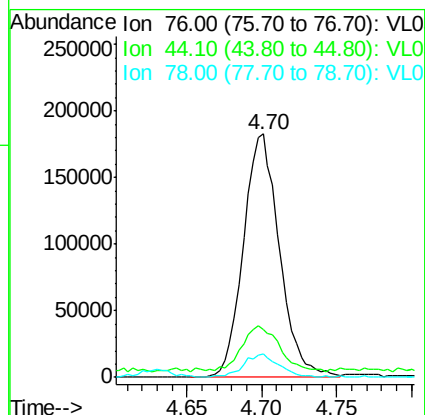
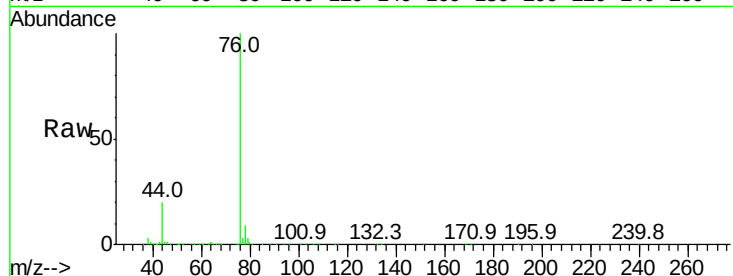
Tgt Ion: 76 Resp: 307066

Ion Ratio Lower Upper

76 100

44 18.5 15.1 22.7

78 9.4 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 2.577 ppbv

RT: 5.20 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL032146.D

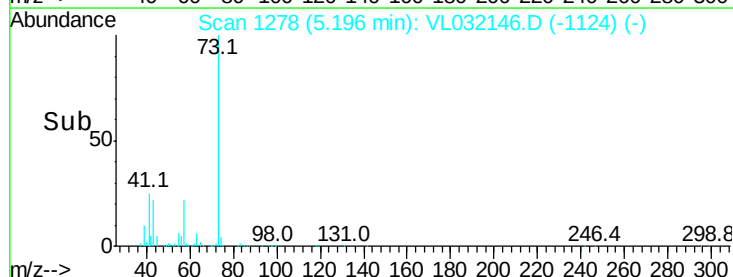
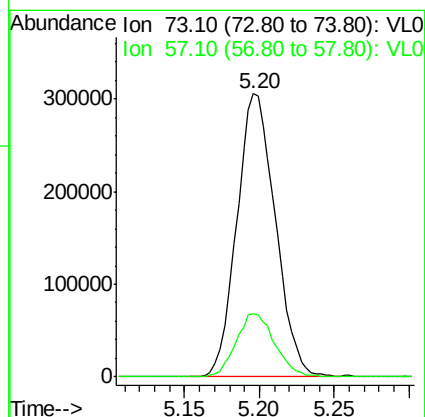
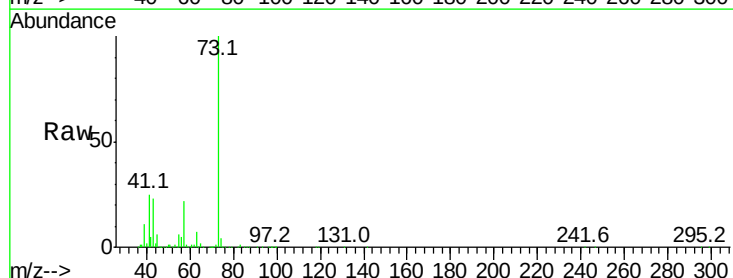
Acq: 29 Jun 2018 18:45

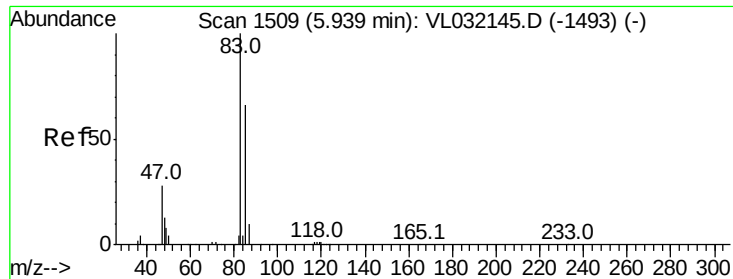
Tgt Ion: 73 Resp: 547813

Ion Ratio Lower Upper

73 100

57 22.6 18.6 27.8





#29

Chloroform

Concen: 1.978 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

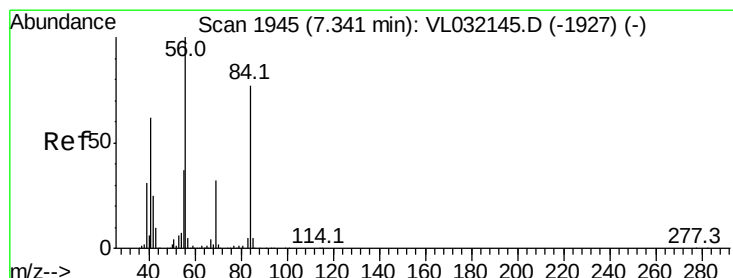
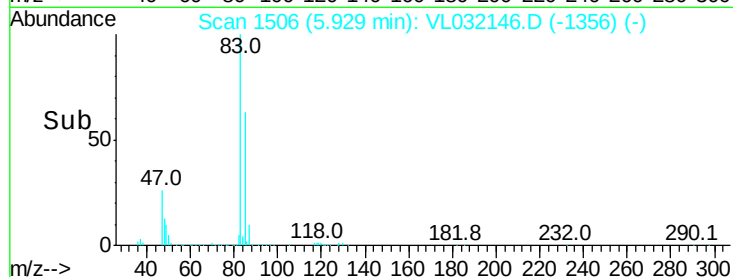
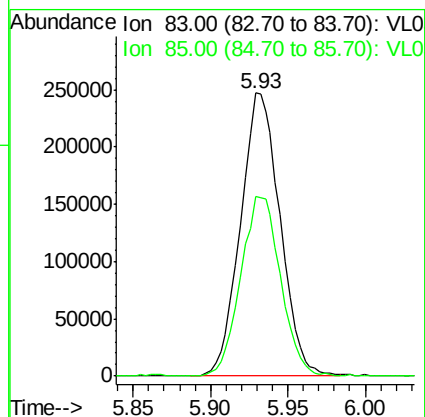
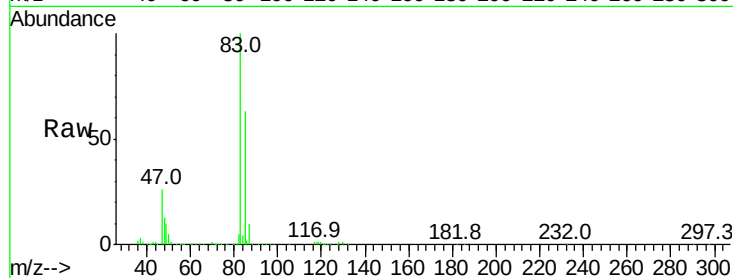
VSTDIC002

Tgt Ion: 83 Resp: 438932

Ion Ratio Lower Upper

83 100

85 63.3 51.6 77.4



#30

Cyclohexane

Concen: 2.097 ppbv

RT: 7.34 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

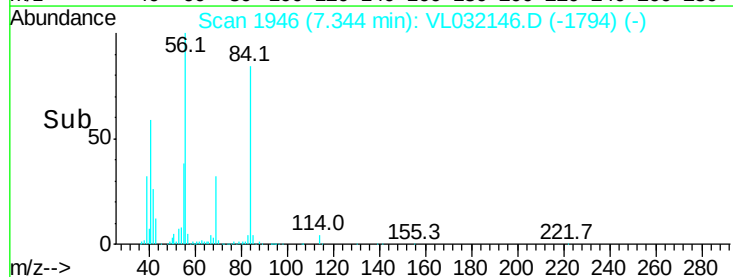
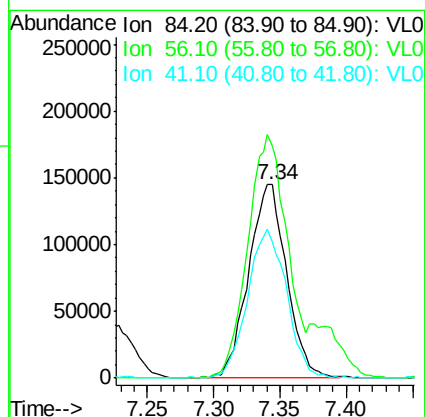
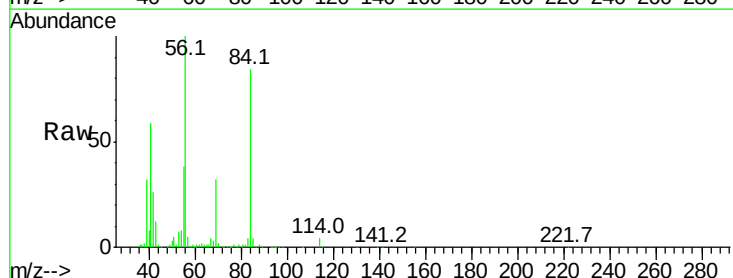
Tgt Ion: 84 Resp: 290197

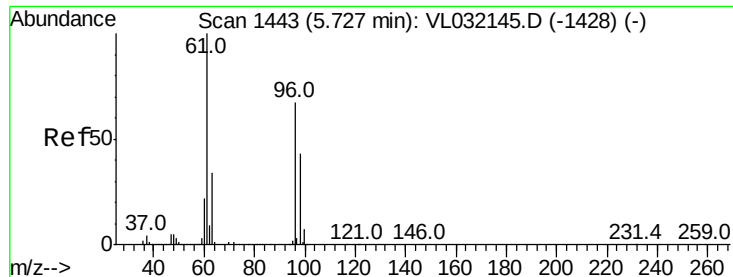
Ion Ratio Lower Upper

84 100

56 153.6 109.1 163.7

41 79.6 64.6 96.8





#31

cis-1,2-Dichloroethene

Concen: 2.046 ppbv

RT: 5.72 min Scan# 1442

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

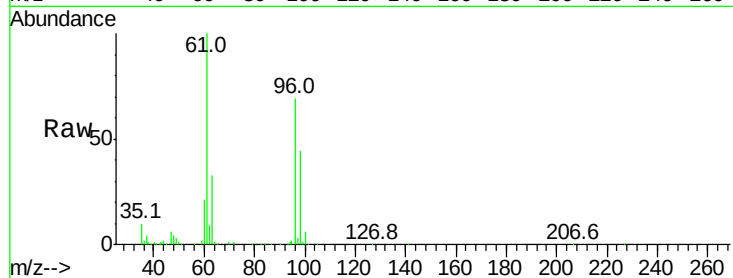
Tgt Ion: 61 Resp: 306045

Ion Ratio Lower Upper

61 100

96 68.7 54.2 81.4

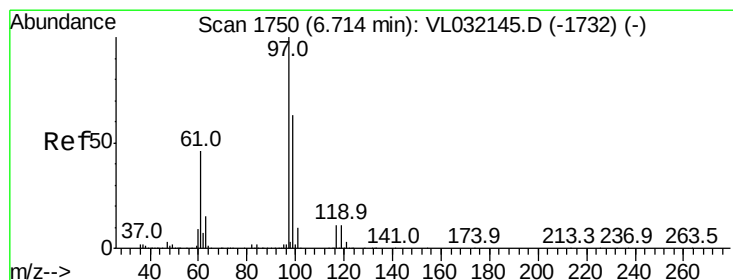
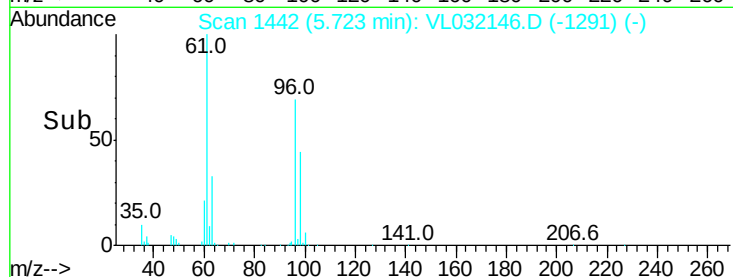
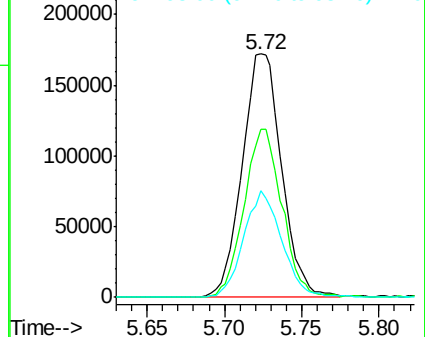
98 43.8 34.6 52.0



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: 1.904 ppbv

RT: 6.71 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

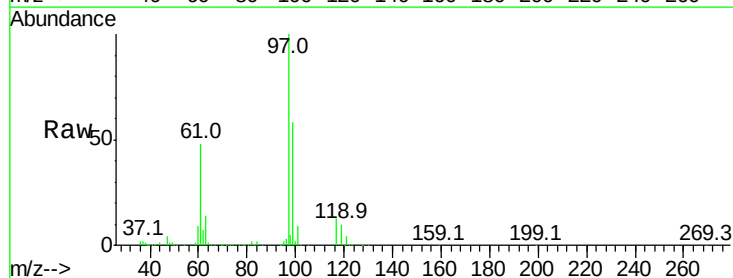
Tgt Ion: 97 Resp: 440400

Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

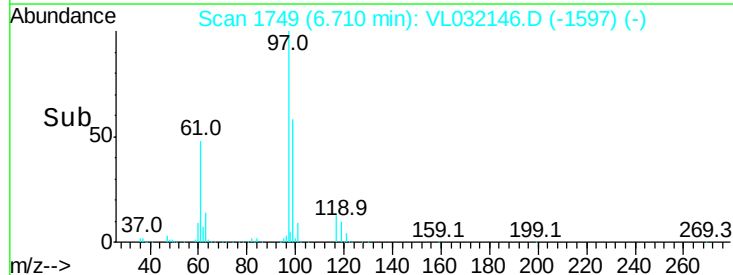
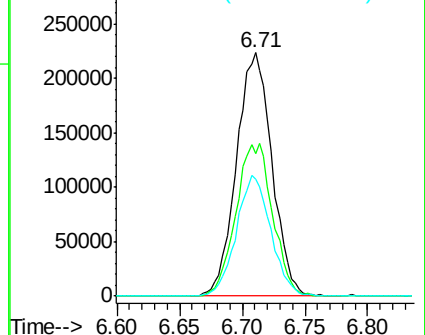
61 48.3 38.4 57.6

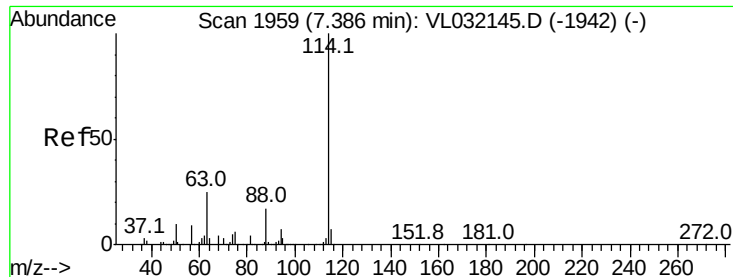


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

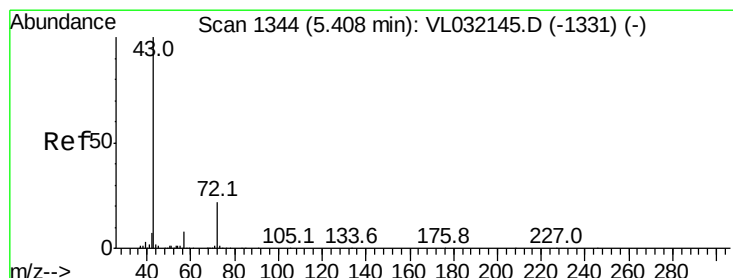
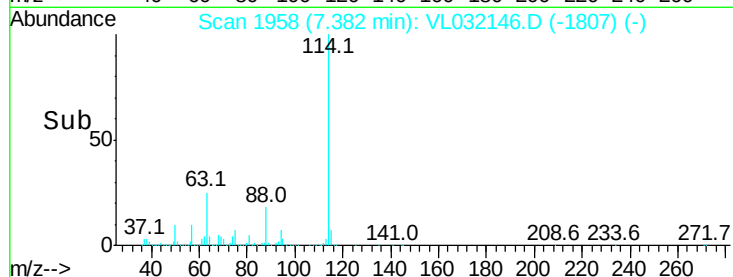
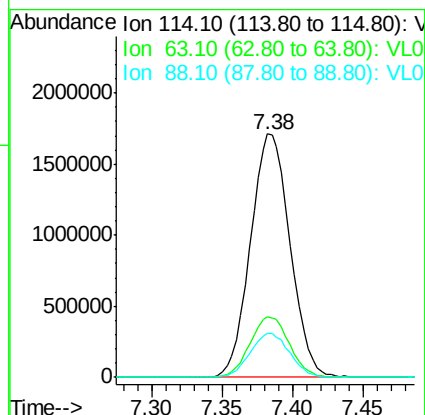
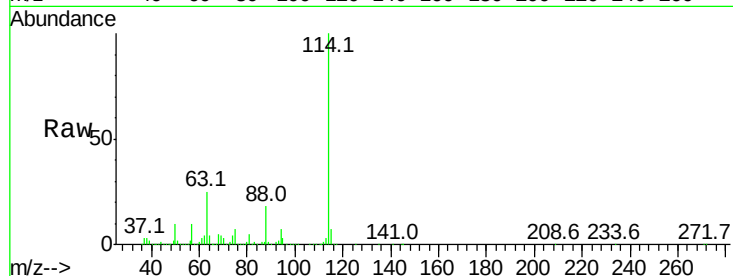




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

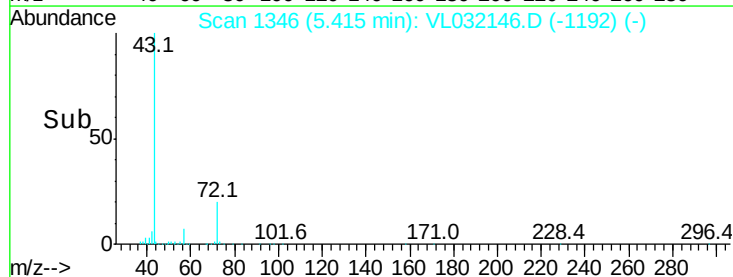
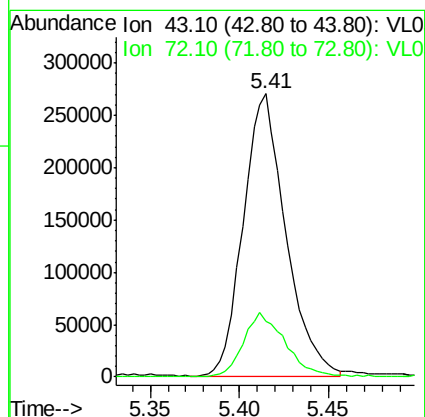
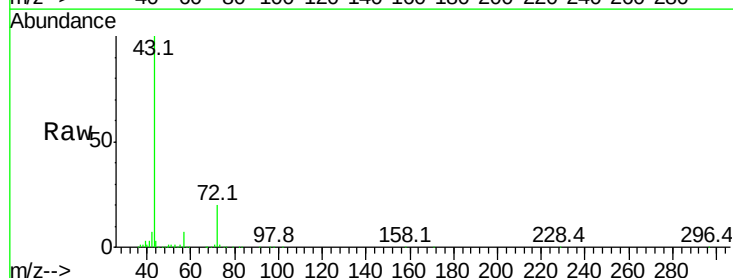
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

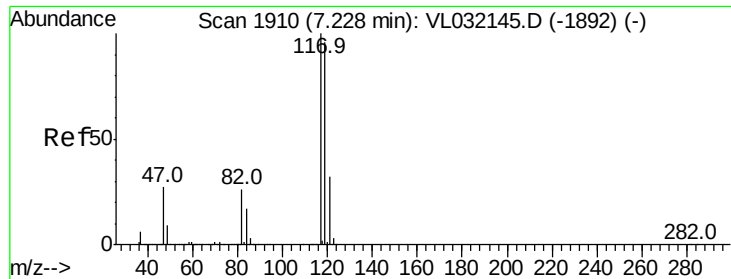
Tgt Ion:114 Resp: 3357676
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.1 28.7
 88 18.3 13.9 20.9



#34
 2-Butanone
 Concen: 1.641 ppbv
 RT: 5.41 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion: 43 Resp: 447406
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.4 27.6





#35

Carbon Tetrachloride

Concen: 1.934 ppbv

RT: 7.22 min Scan# 1909

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

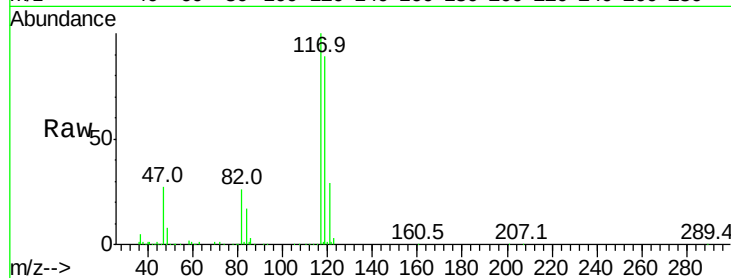
Tgt Ion:117 Resp: 450612

Ion Ratio Lower Upper

117 100

119 89.2 74.8 112.2

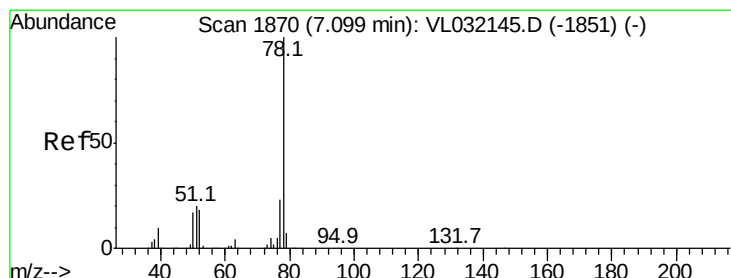
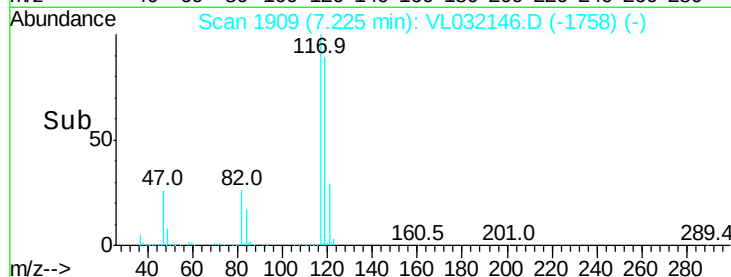
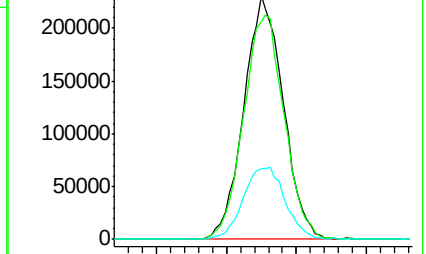
121 29.1 24.0 36.0



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: 1.785 ppbv

RT: 7.10 min Scan# 1869

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

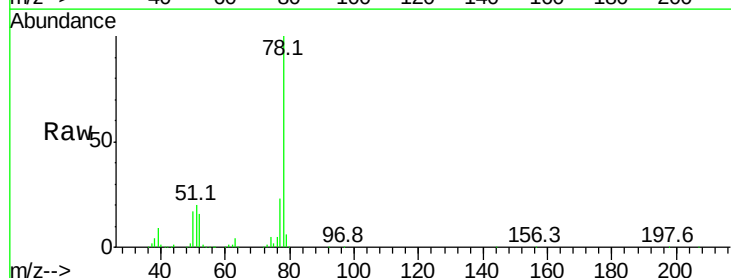
Tgt Ion: 78 Resp: 649894

Ion Ratio Lower Upper

78 100

77 22.6 17.7 26.5

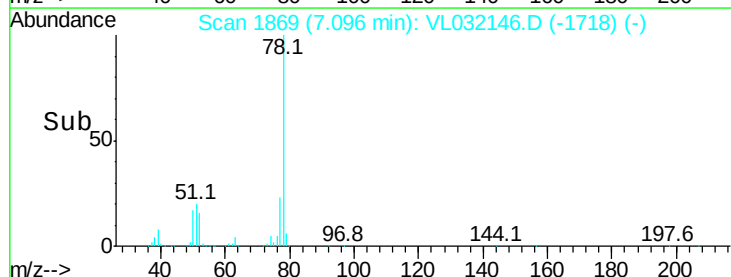
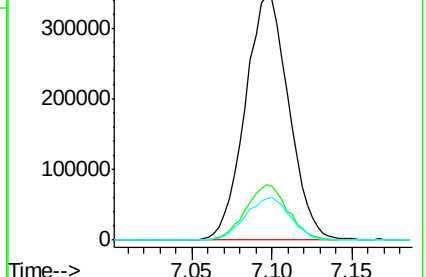
50 17.0 14.0 21.0

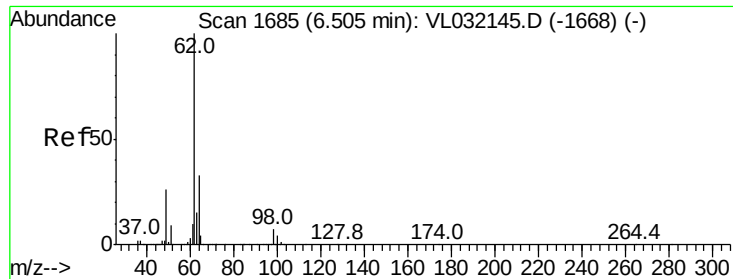


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

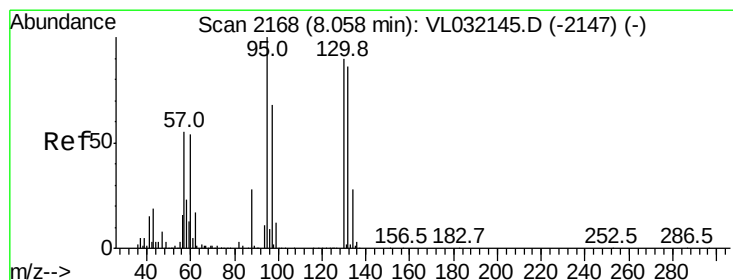
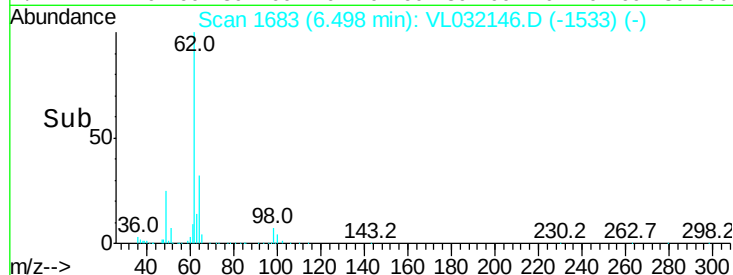
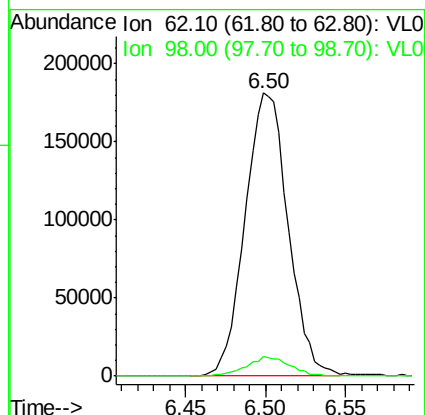
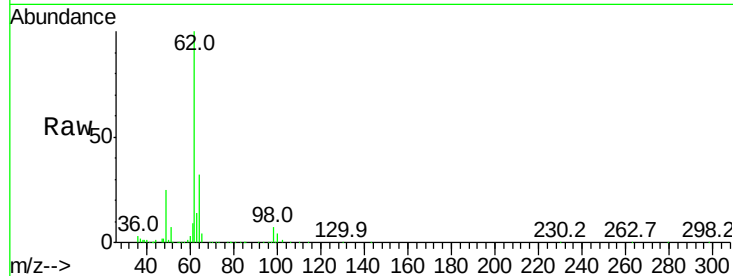




#37
 1,2-Dichloroethane
 Concen: 1.783 ppbv
 RT: 6.50 min Scan# 1683
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

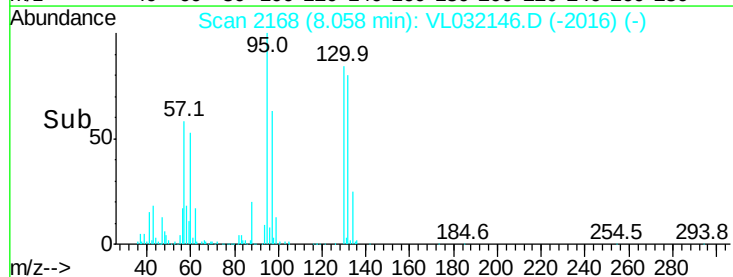
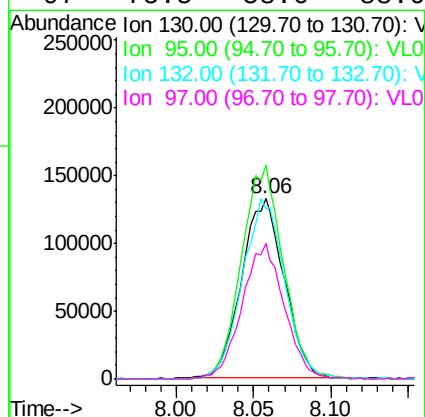
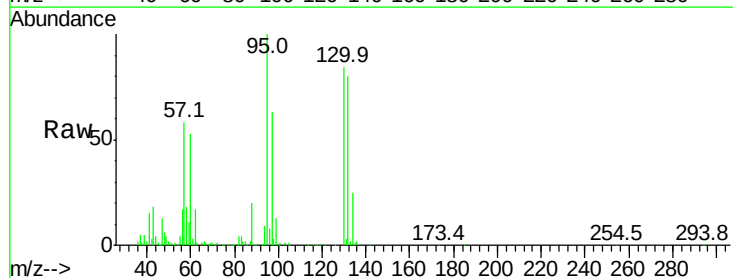
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

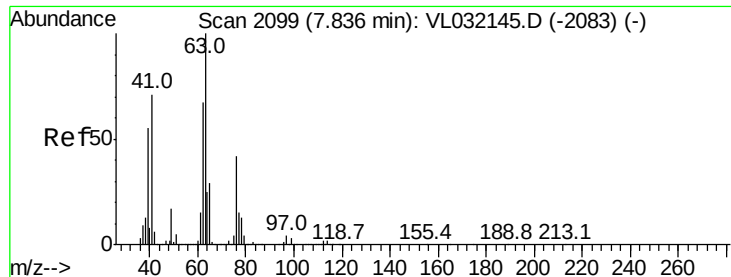
Tgt Ion: 62 Resp: 333767
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.8 8.6



#38
 Trichloroethene
 Concen: 1.807 ppbv
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion: 130 Resp: 253657
 Ion Ratio Lower Upper
 130 100
 95 119.1 88.1 132.1
 132 94.5 74.6 112.0
 97 75.5 58.6 88.0





#39

1,2-Dichloropropane

Concen: 2.032 ppbv

RT: 7.83 min Scan# 2098

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

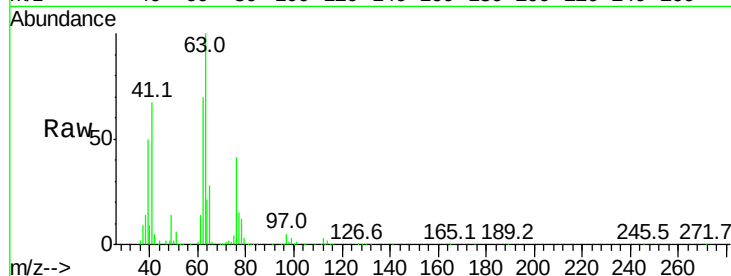
Tgt Ion: 63 Resp: 271644

Ion Ratio Lower Upper

63 100

41 66.7 53.3 79.9

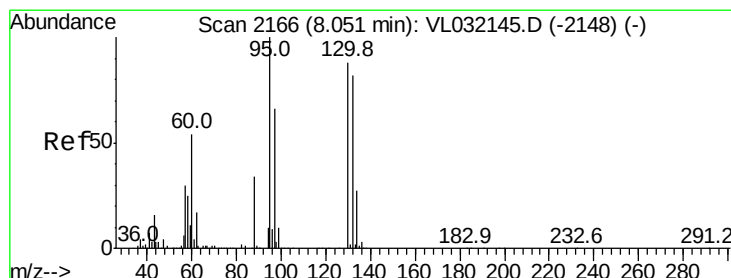
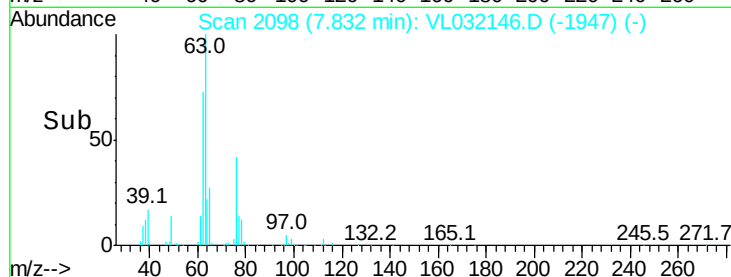
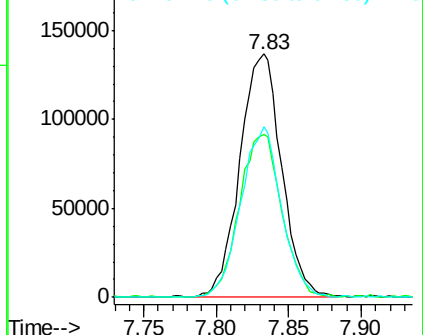
62 70.0 54.8 82.2



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: 0.872 ppbv

RT: 8.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Tgt Ion: 88 Resp: 54346

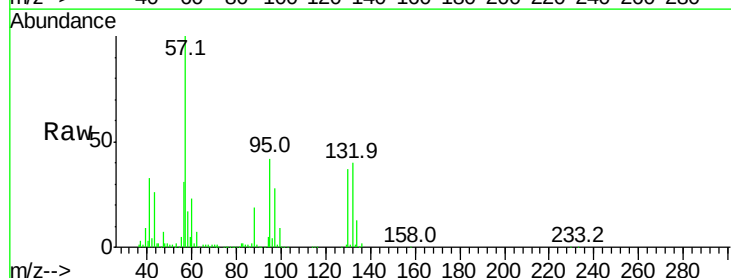
Ion Ratio Lower Upper

88 100

58 0.0 47.4 71.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

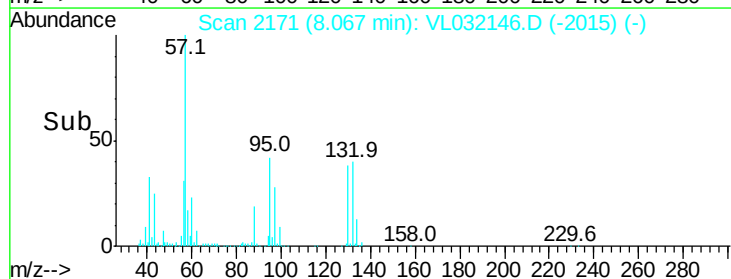
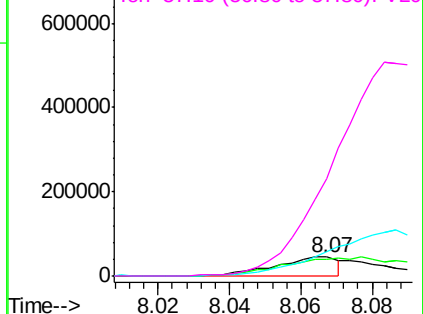


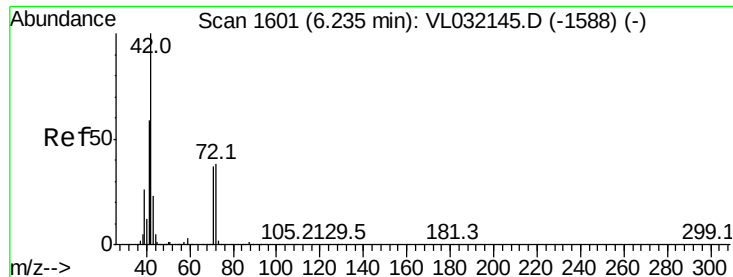
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 1.664 ppbv

RT: 6.24 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

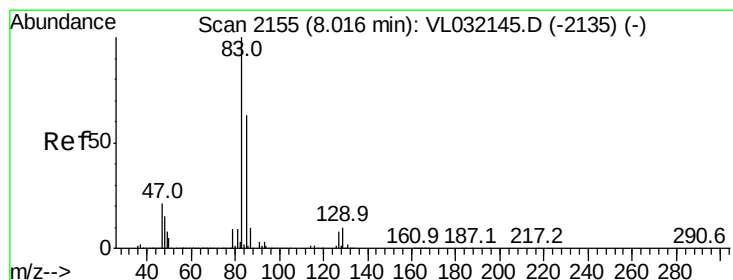
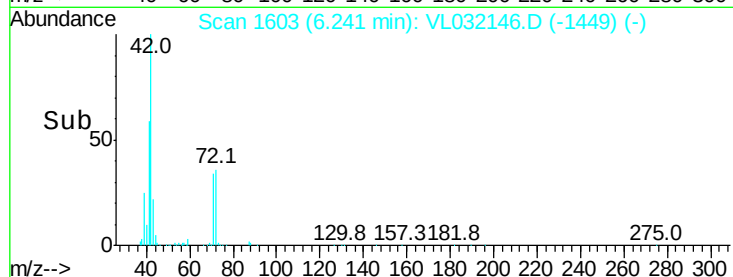
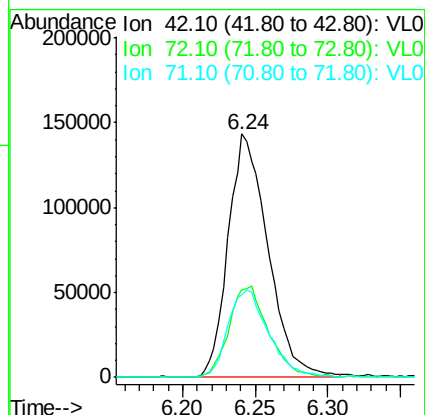
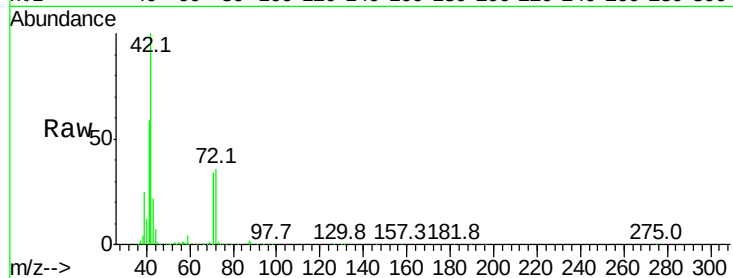
Tgt Ion: 42 Resp: 270857

Ion Ratio Lower Upper

42 100

72 38.0 31.1 46.7

71 37.1 29.5 44.3



#42

Bromodichloromethane

Concen: 2.089 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

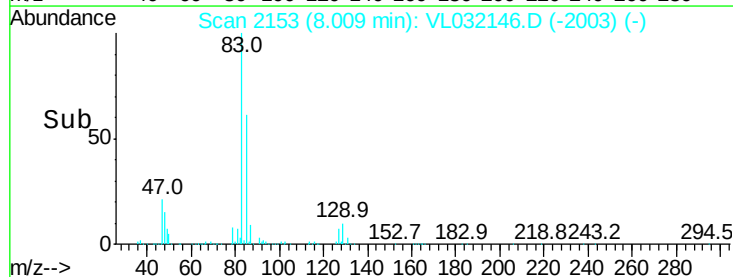
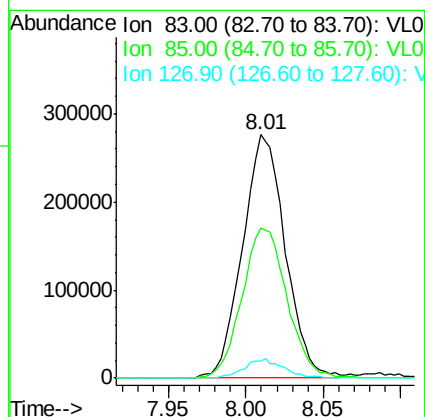
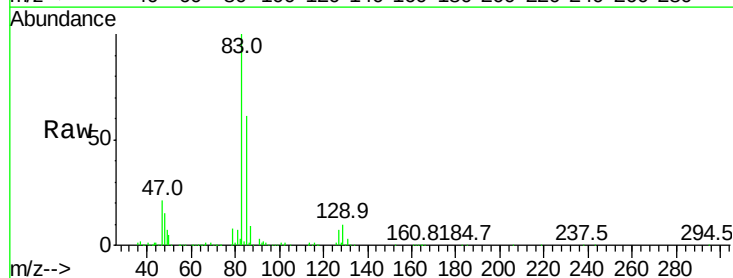
Tgt Ion: 83 Resp: 529000

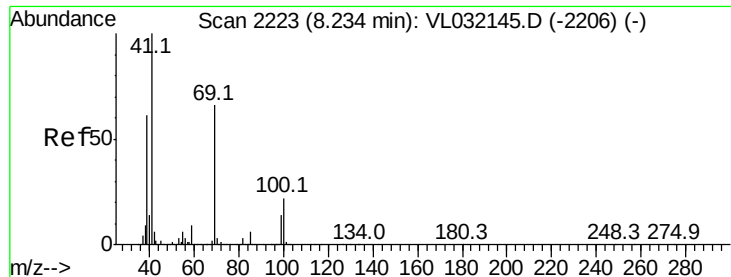
Ion Ratio Lower Upper

83 100

85 61.5 52.6 79.0

127 7.1 6.5 9.7





#43

Methyl Methacrylate

Concen: 1.941 ppbv

RT: 8.23 min Scan# 2223

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

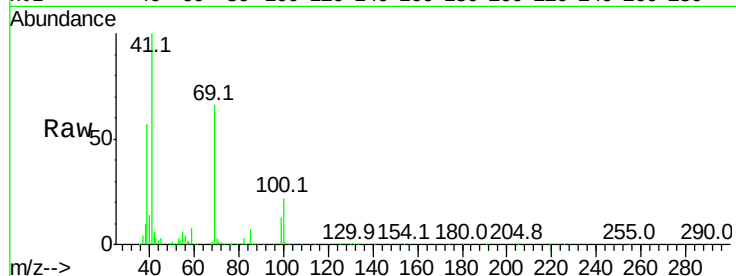
Tgt Ion: 69 Resp: 279563

Ion Ratio Lower Upper

69 100

41 147.4 118.2 177.4

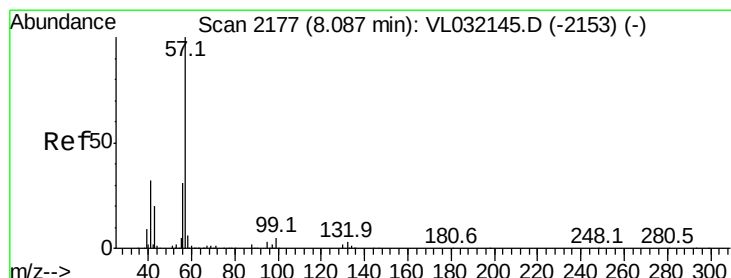
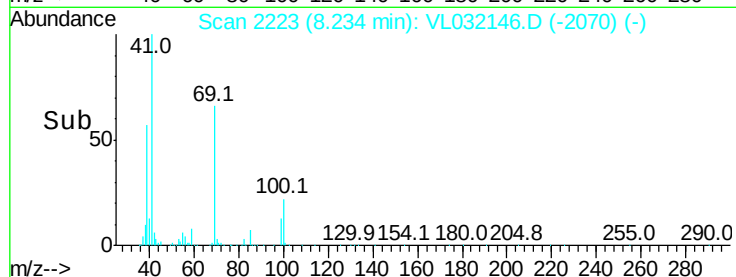
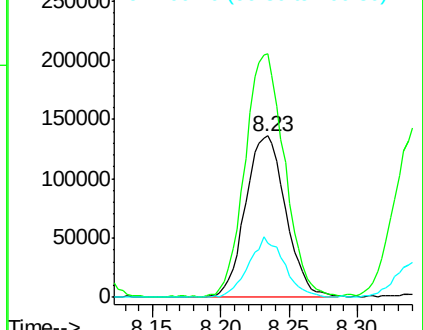
100 33.2 27.4 41.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.991 ppbv

RT: 8.08 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

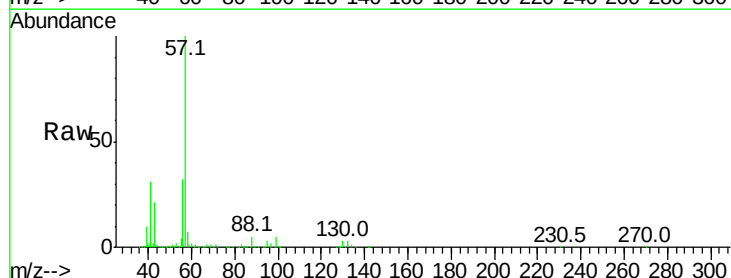
Tgt Ion: 57 Resp: 1189959

Ion Ratio Lower Upper

57 100

41 30.1 24.3 36.5

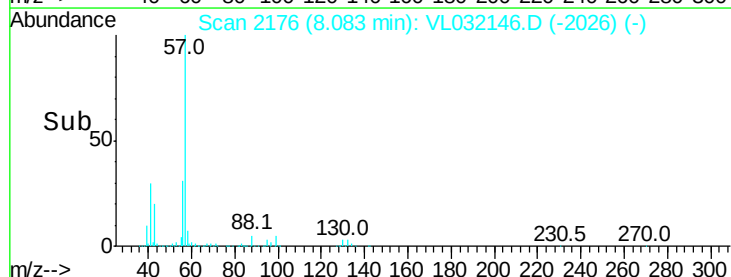
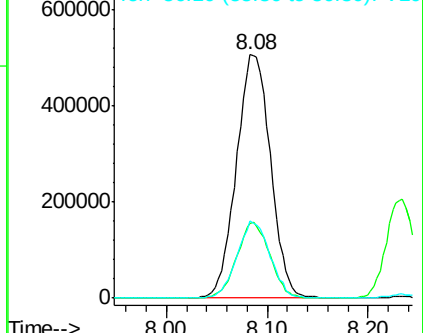
56 30.7 25.1 37.7

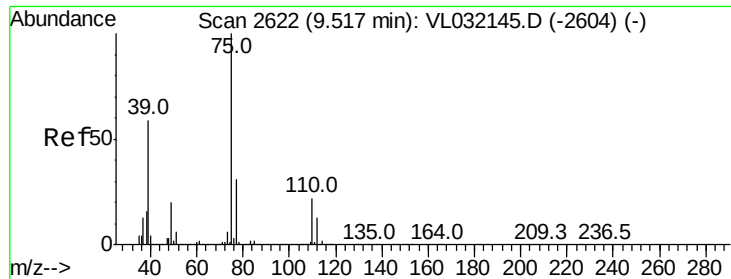


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 1.940 ppbv

RT: 9.52 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

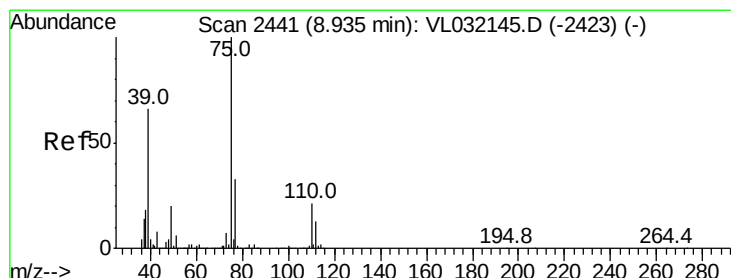
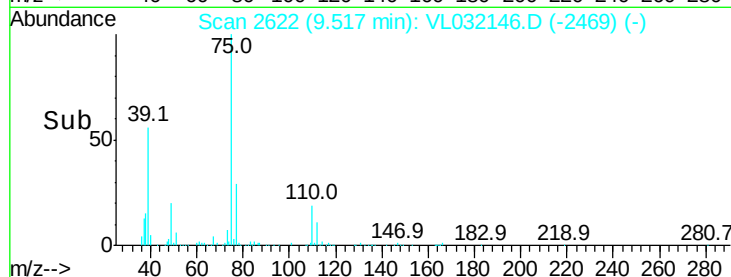
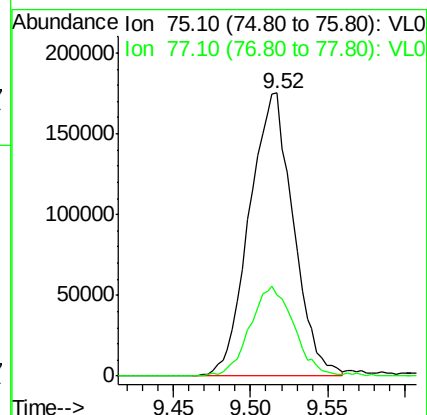
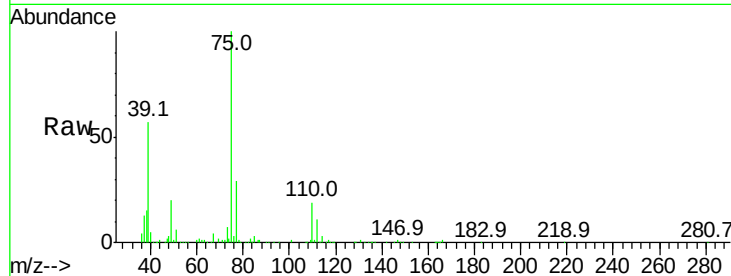
VSTDIC002

Tgt Ion: 75 Resp: 345584

Ion Ratio Lower Upper

75 100

77 28.5 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 1.839 ppbv

RT: 8.93 min Scan# 2440

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

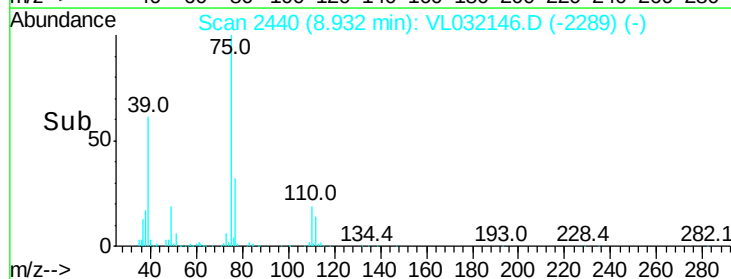
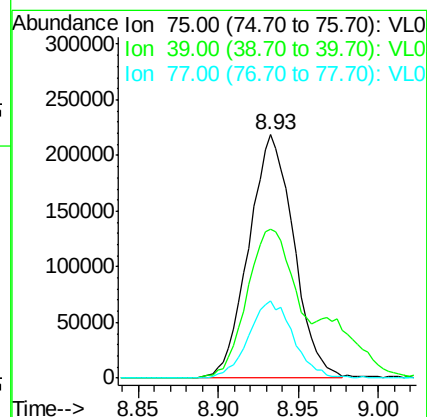
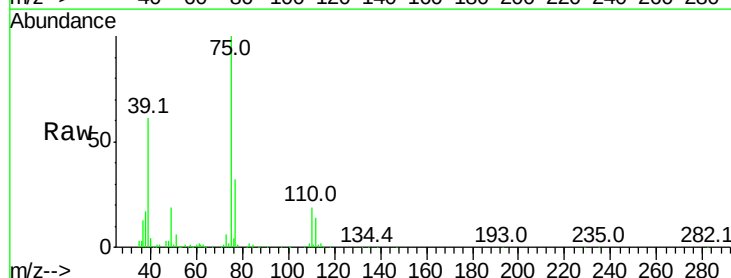
Tgt Ion: 75 Resp: 419457

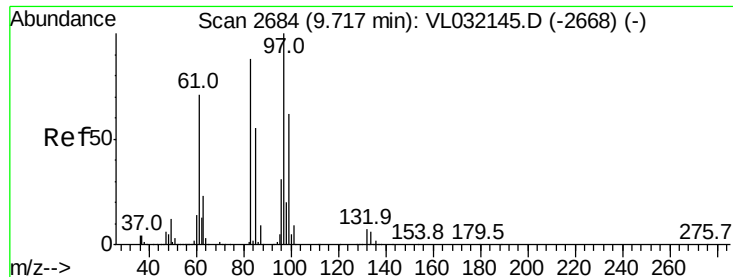
Ion Ratio Lower Upper

75 100

39 61.2 51.9 77.9

77 31.7 24.3 36.5

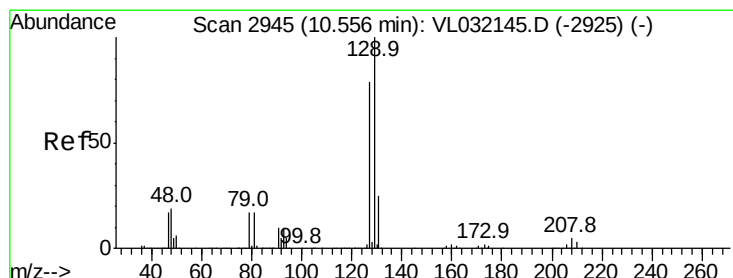
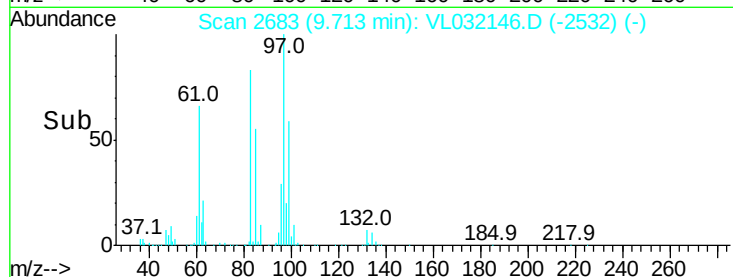
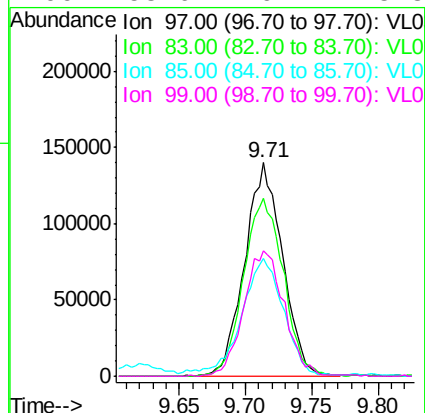
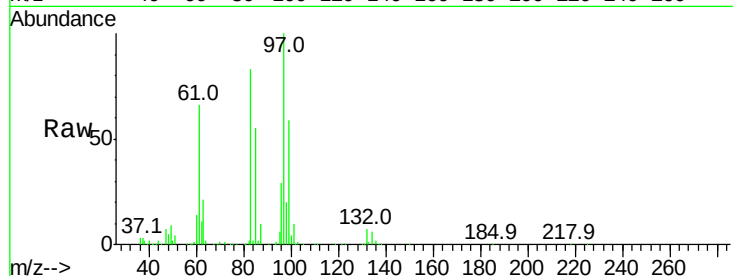




#47
 1,1,2-Trichloroethane
 Concen: 1.838 ppbv
 RT: 9.71 min Scan# 2683
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

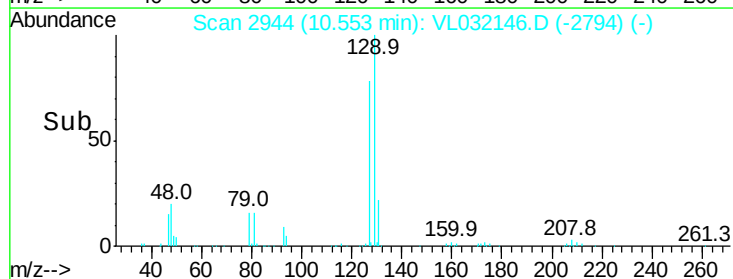
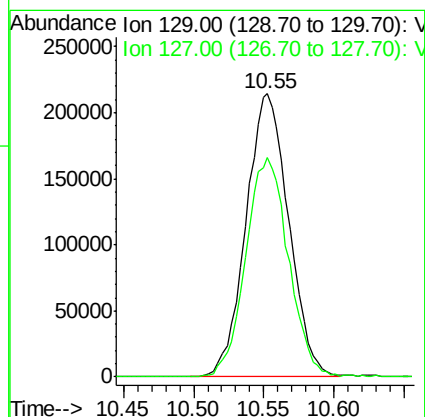
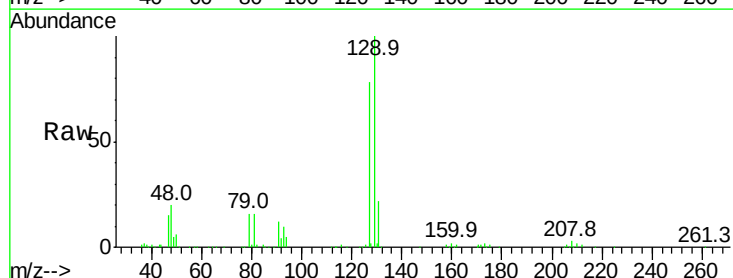
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

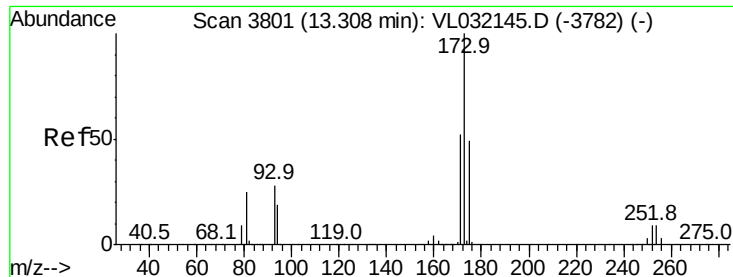
Tgt Ion:	97	Resp:	278007
Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.0	106.4
85	54.4	44.2	66.4
99	58.6	49.2	73.8



#48
 Dibromochloromethane
 Concen: 2.004 ppbv
 RT: 10.55 min Scan# 2944
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion:	129	Resp:	453813
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.5





#49

Bromoform

Concen: 2.178 ppbv

RT: 13.30 min Scan# 3800

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

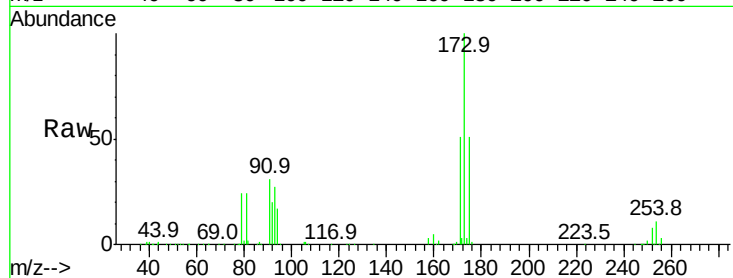
Tgt Ion:173 Resp: 377626

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

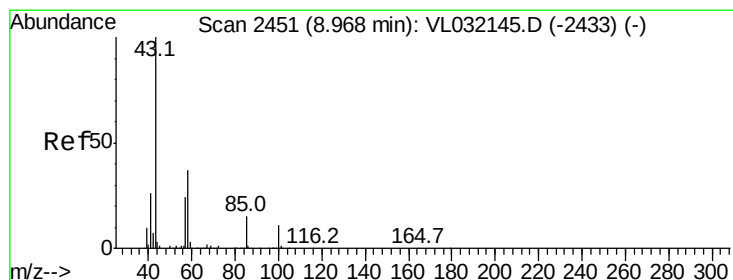
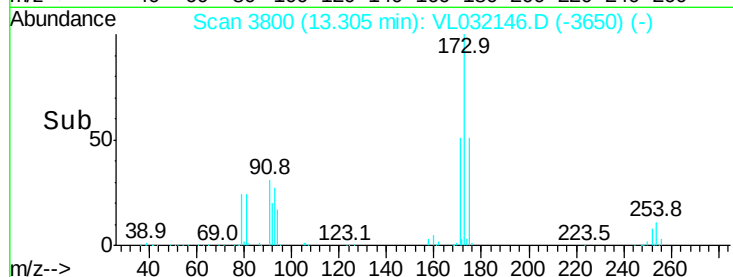
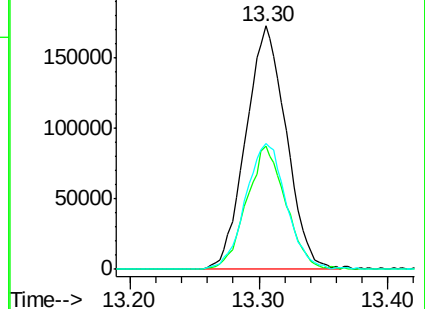
171 52.3 41.8 62.8



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: 1.738 ppbv

RT: 8.97 min Scan# 2453

Delta R.T. -0.01 min

Lab File: VL032146.D

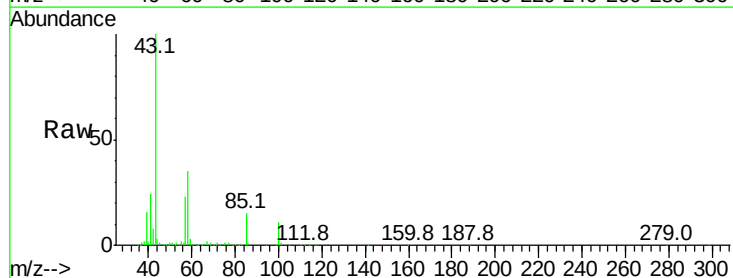
Acq: 29 Jun 2018 18:45

Tgt Ion: 43 Resp: 734895

Ion Ratio Lower Upper

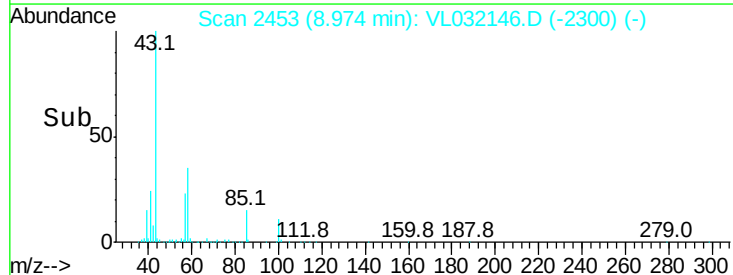
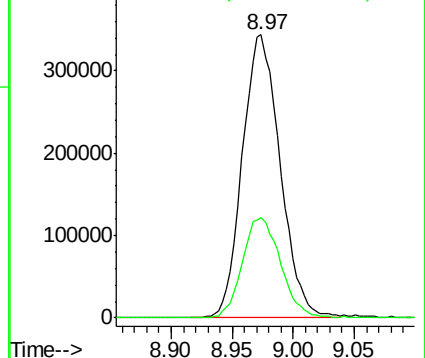
43 100

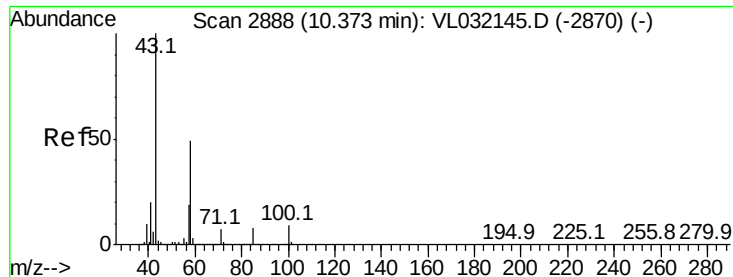
58 36.0 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.505 ppbv

RT: 10.38 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

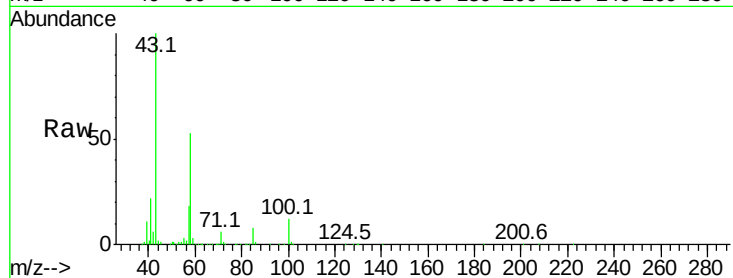
Tgt Ion: 43 Resp: 633301

Ion Ratio Lower Upper

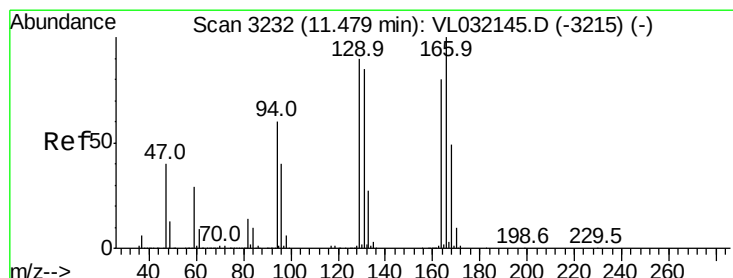
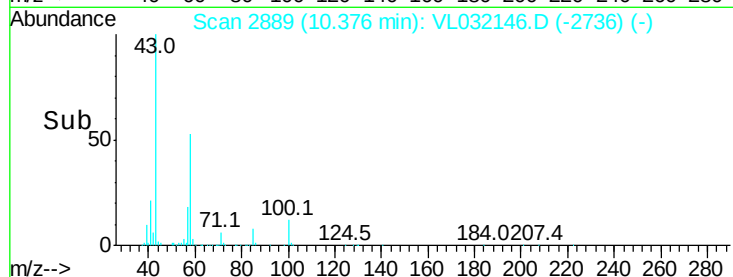
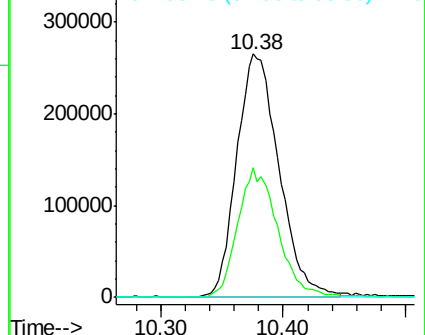
43 100

58 50.7 40.6 60.8

98 0.1 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: 1.742 ppbv

RT: 11.48 min Scan# 3231

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Tgt Ion: 164 Resp: 234393

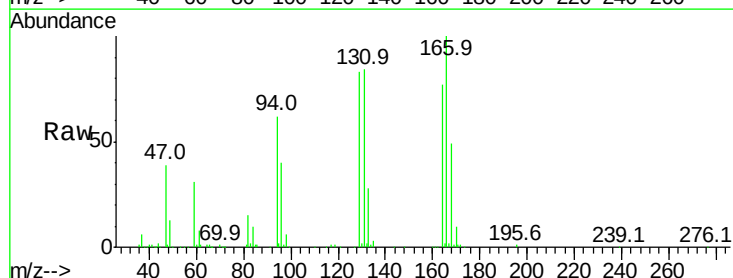
Ion Ratio Lower Upper

164 100

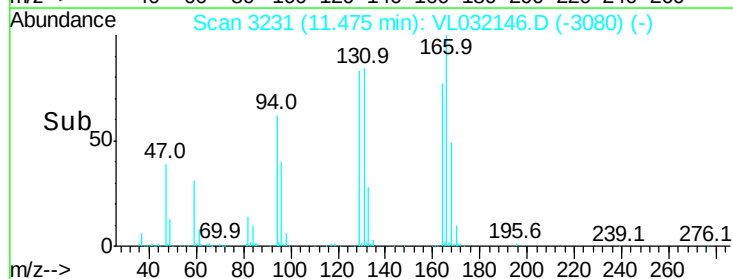
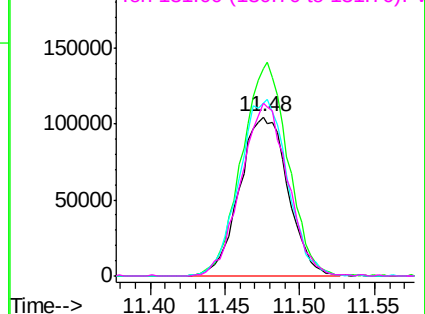
166 129.5 100.6 151.0

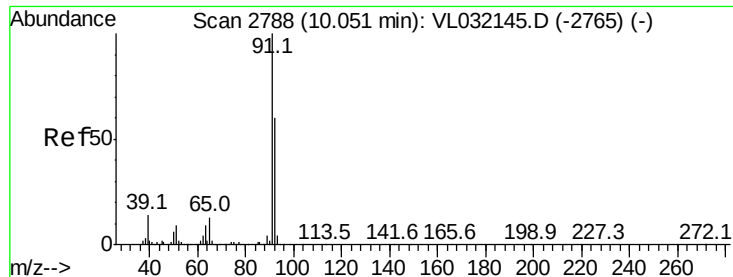
129 107.8 84.0 126.0

131 109.0 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: 1.883 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

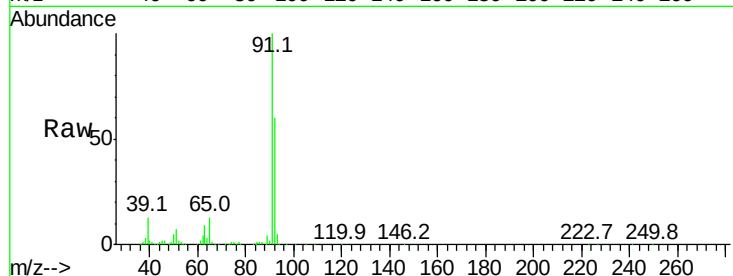
VSTDIC002

Tgt Ion: 91 Resp: 827636

Ion Ratio Lower Upper

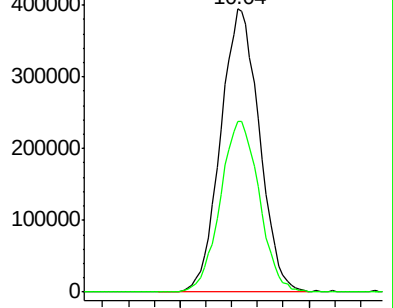
91 100

92 60.6 49.2 73.8

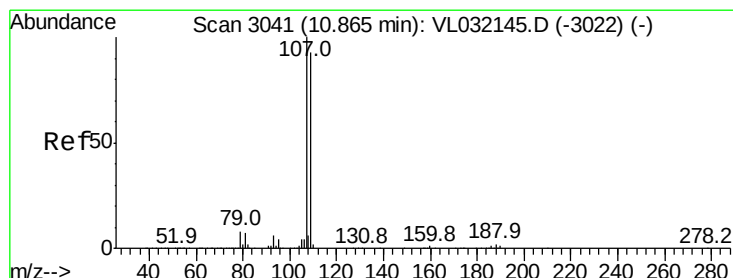
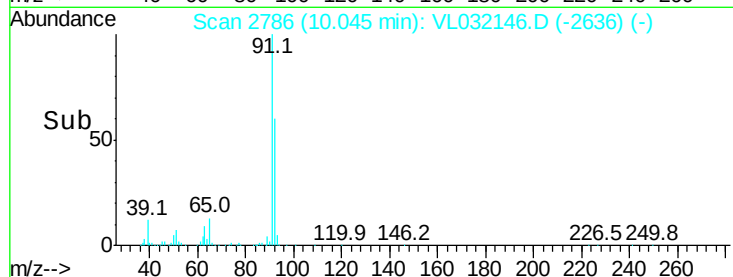


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 1.900 ppbv

RT: 10.86 min Scan# 3040

Delta R.T. -0.02 min

Lab File: VL032146.D

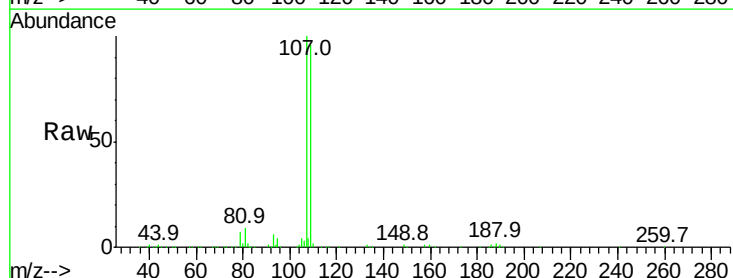
Acq: 29 Jun 2018 18:45

Tgt Ion: 107 Resp: 425316

Ion Ratio Lower Upper

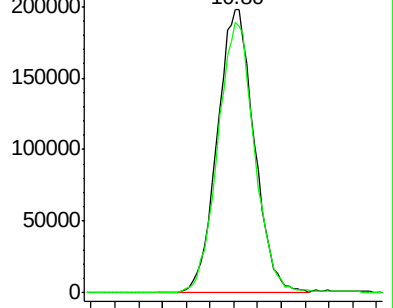
107 100

109 95.7 75.0 112.4

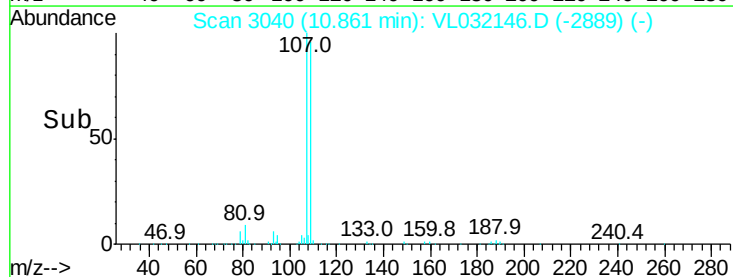


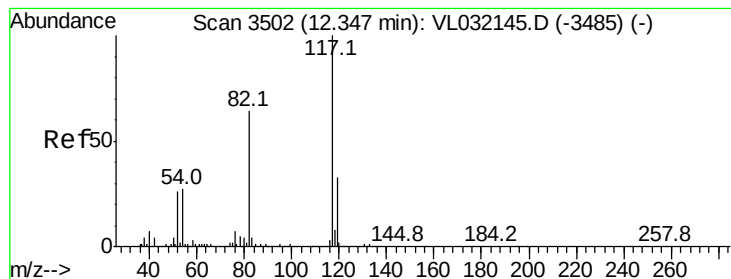
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

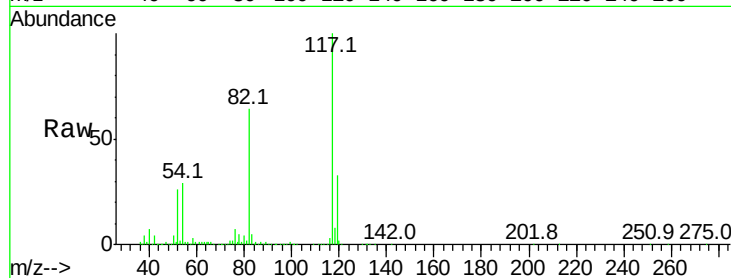
Tgt Ion:117 Resp: 3358814

Ion Ratio Lower Upper

117 100

82 60.9 47.8 71.8

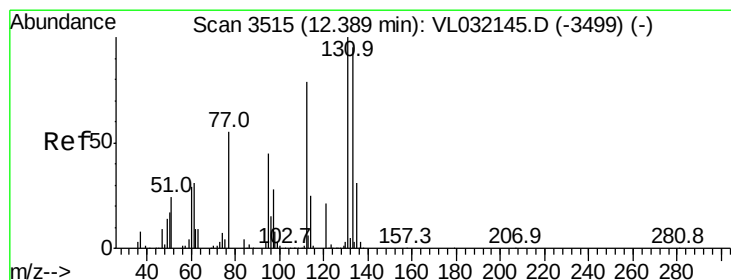
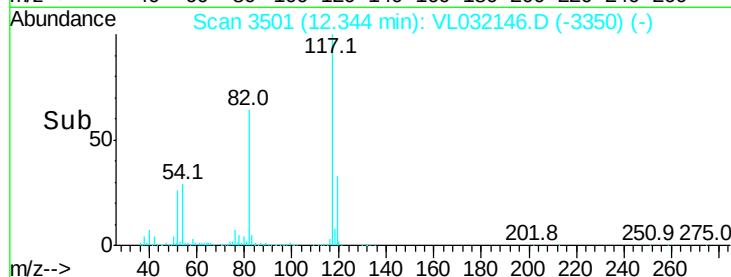
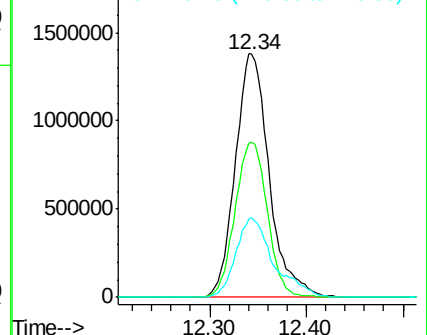
119 36.6 43.3 64.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.157 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

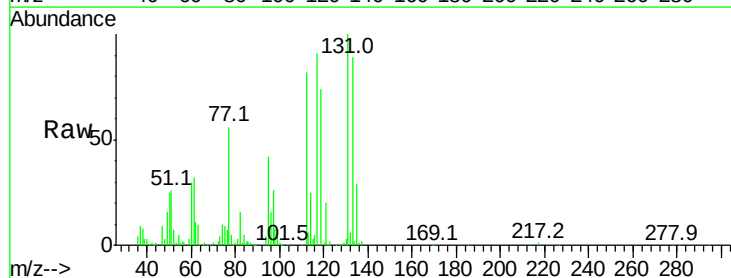
Tgt Ion:131 Resp: 322125

Ion Ratio Lower Upper

131 100

133 95.7 75.5 113.3

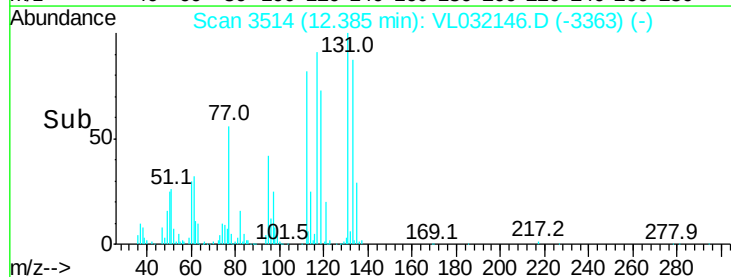
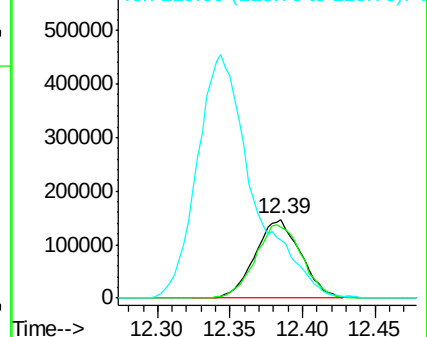
119 380.6 118.4 177.6#

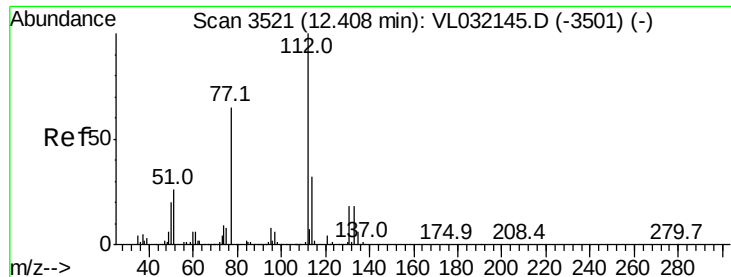


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.941 ppbv

RT: 12.40 min Scan# 3520

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

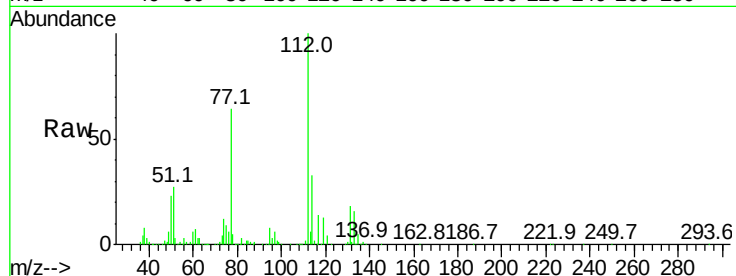
Tgt Ion: 112 Resp: 617651

Ion Ratio Lower Upper

112 100

77 63.2 52.6 78.8

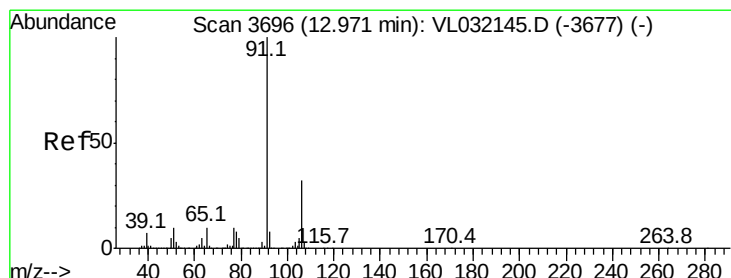
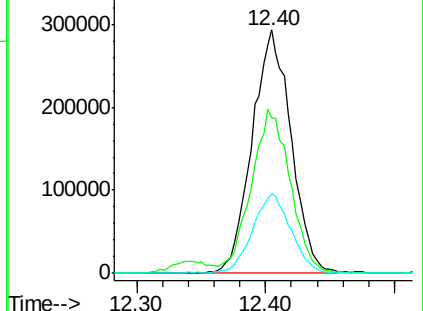
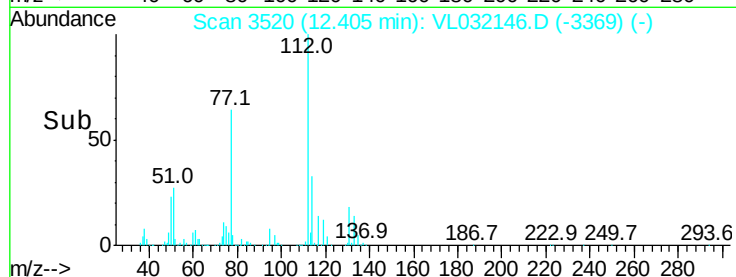
114 32.5 27.9 34.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.919 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. -0.02 min

Lab File: VL032146.D

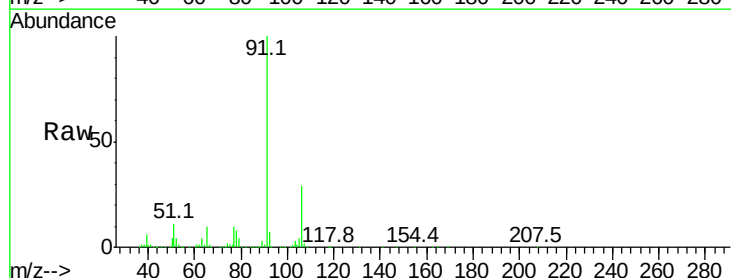
Acq: 29 Jun 2018 18:45

Tgt Ion: 91 Resp: 1123219

Ion Ratio Lower Upper

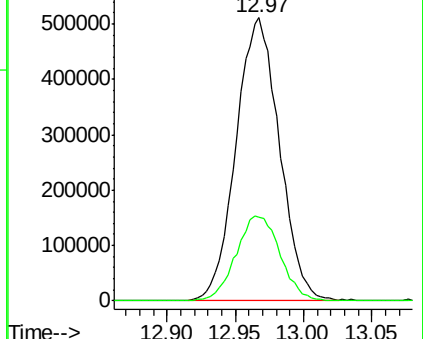
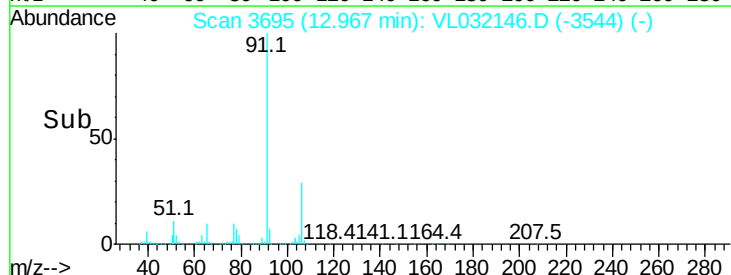
91 100

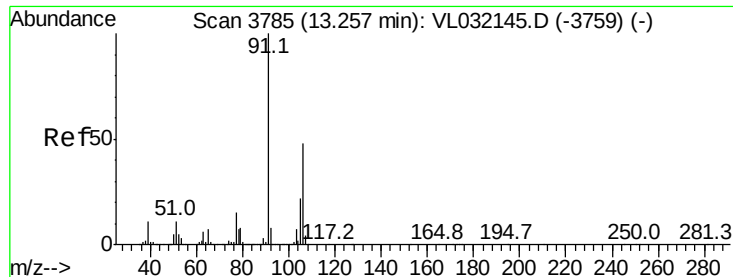
106 29.4 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

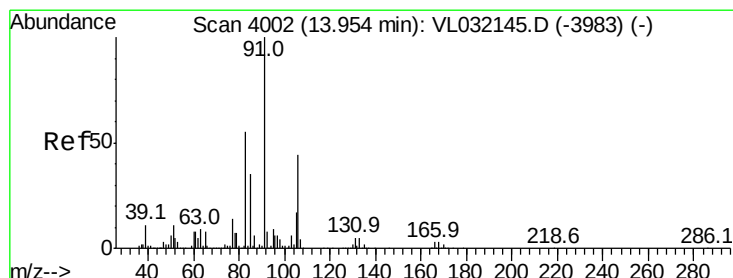
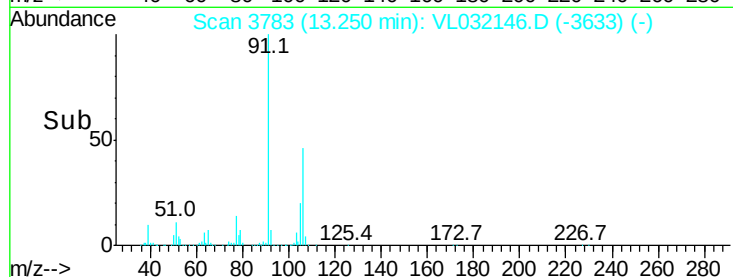
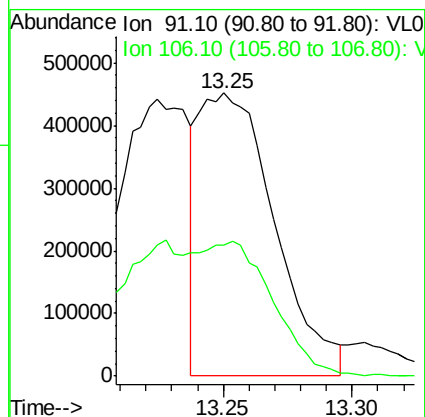
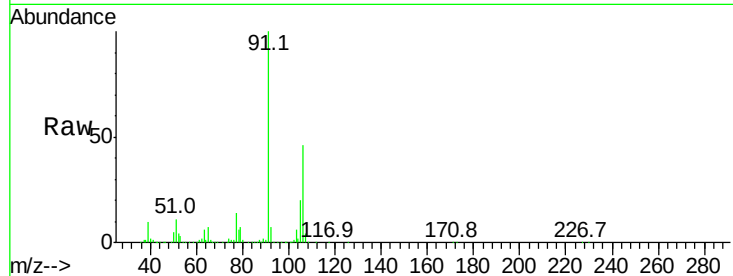




#59
m/p-Xylene
Concen: 1.969 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.02 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

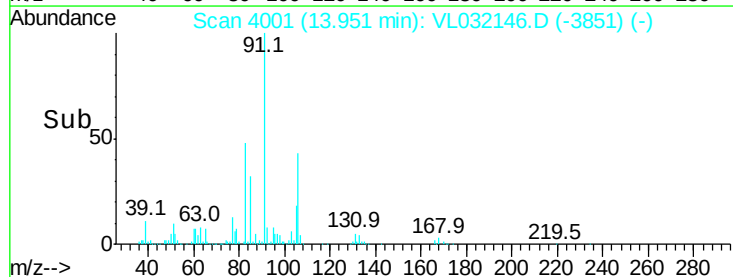
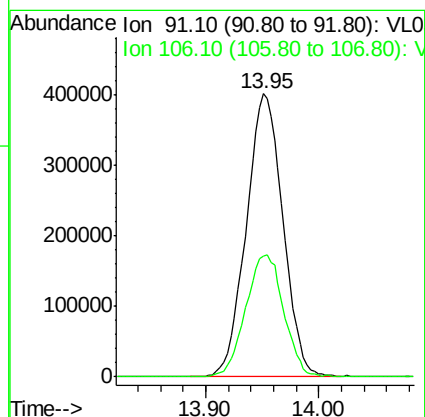
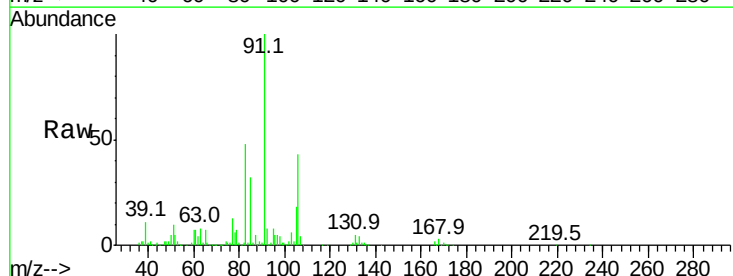
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

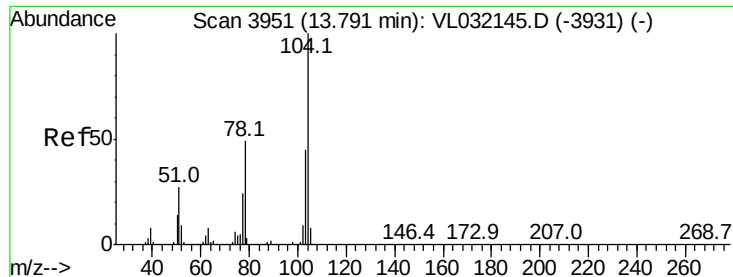
Tgt Ion: 91 Resp: 912029
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#



#60
o-Xylene
Concen: 1.962 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032146.D
Acq: 29 Jun 2018 18:45

Tgt Ion: 91 Resp: 901153
Ion Ratio Lower Upper
91 100
106 44.8 23.3 69.8





#61

Styrene

Concen: 5.304 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

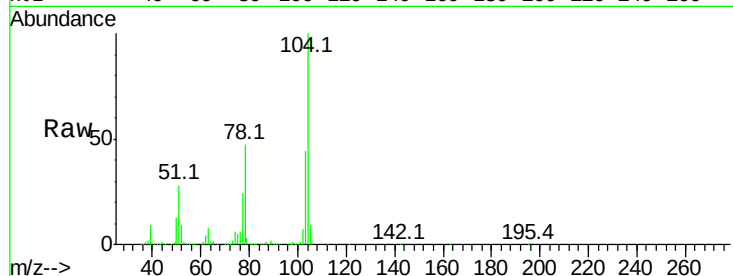
Tgt Ion:104 Resp: 727886

Ion Ratio Lower Upper

104 100

78 50.6 37.9 56.9

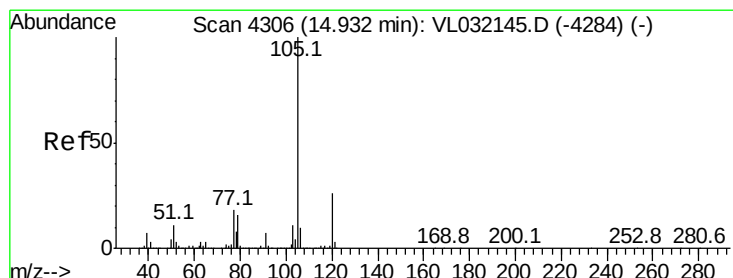
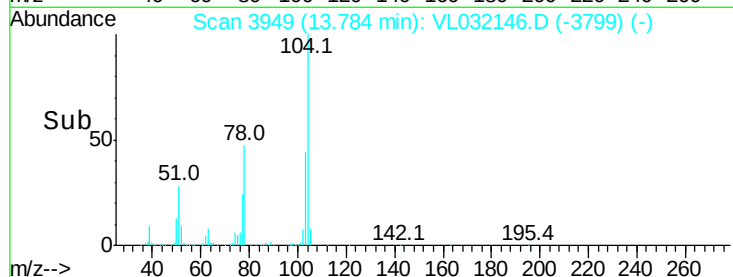
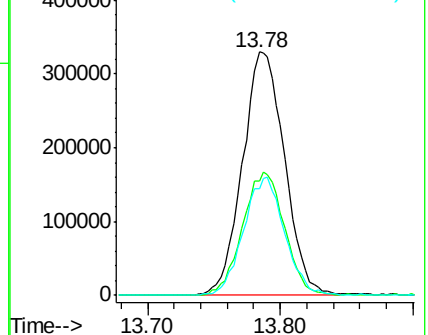
103 47.5 36.6 55.0



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: 2.637 ppbv

RT: 14.93 min Scan# 4305

Delta R.T. -0.02 min

Lab File: VL032146.D

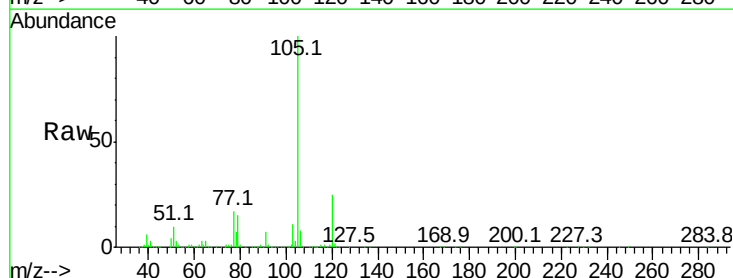
Acq: 29 Jun 2018 18:45

Tgt Ion:105 Resp: 1614281

Ion Ratio Lower Upper

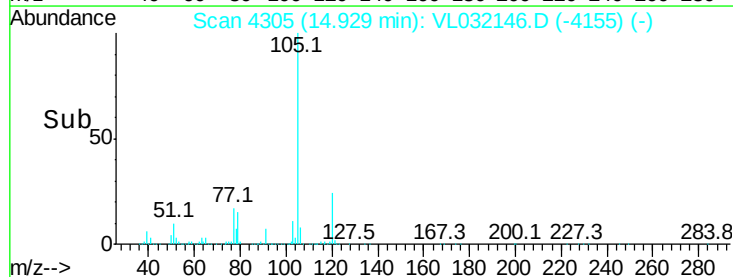
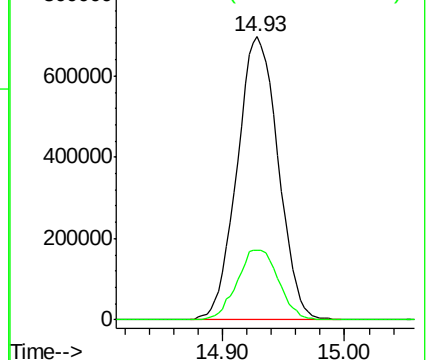
105 100

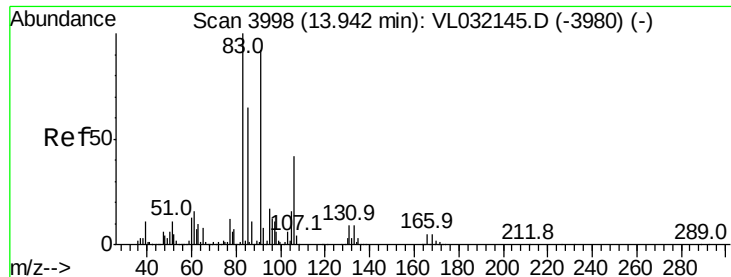
120 25.2 21.0 31.4



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: 1.775 ppbv

RT: 13.94 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

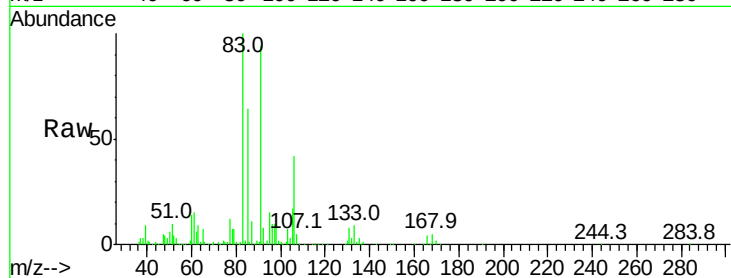
Tgt Ion: 83 Resp: 633216

Ion Ratio Lower Upper

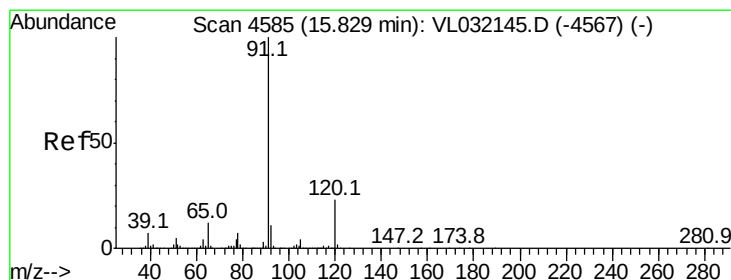
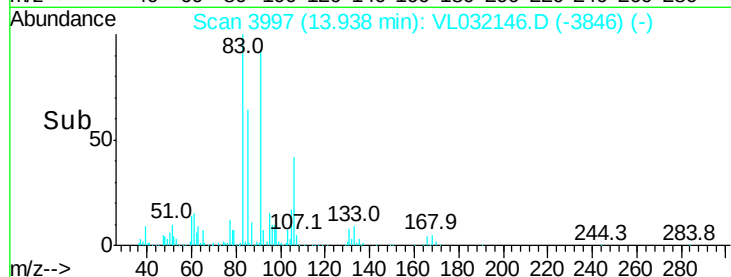
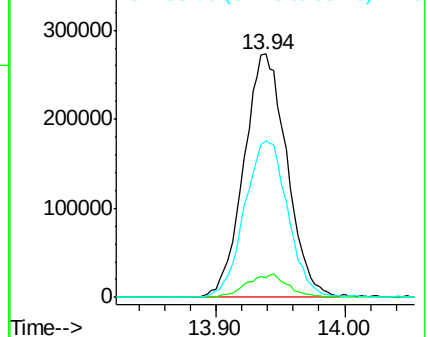
83 100

131 9.1 4.6 13.8

85 65.3 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.744 ppbv

RT: 15.83 min Scan# 4584

Delta R.T. -0.02 min

Lab File: VL032146.D

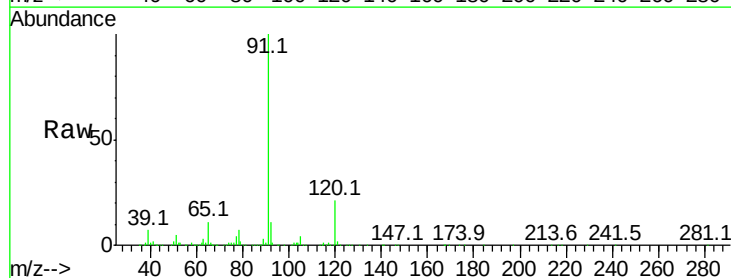
Acq: 29 Jun 2018 18:45

Tgt Ion: 120 Resp: 437659

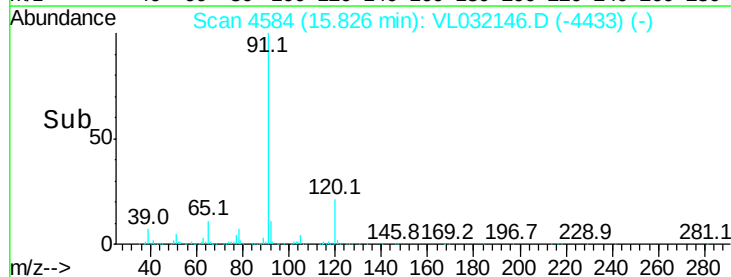
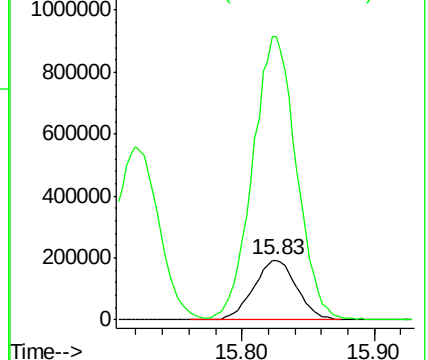
Ion Ratio Lower Upper

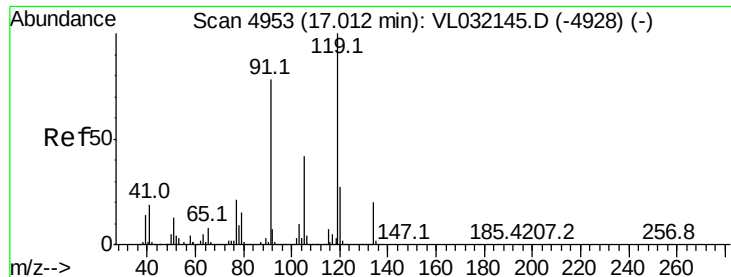
120 100

91 480.7 357.4 536.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.797 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

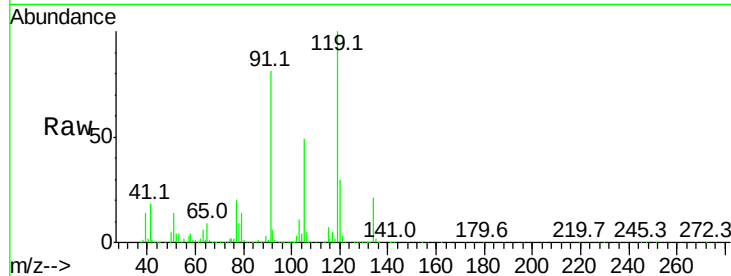
Tgt Ion:119 Resp: 1507342

Ion Ratio Lower Upper

119 100

91 81.5 62.2 93.2

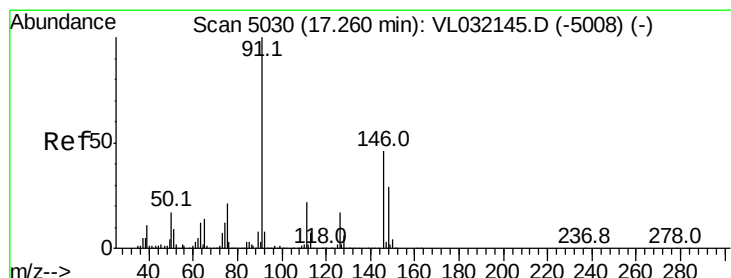
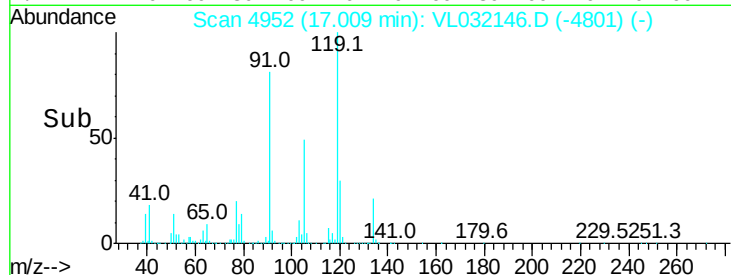
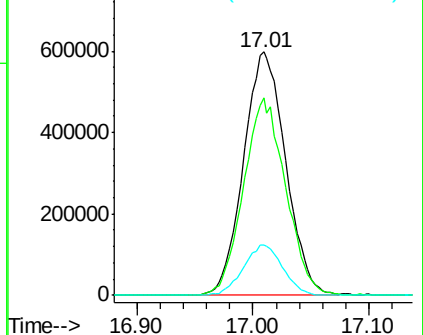
134 19.4 16.2 24.2



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: 14.313 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

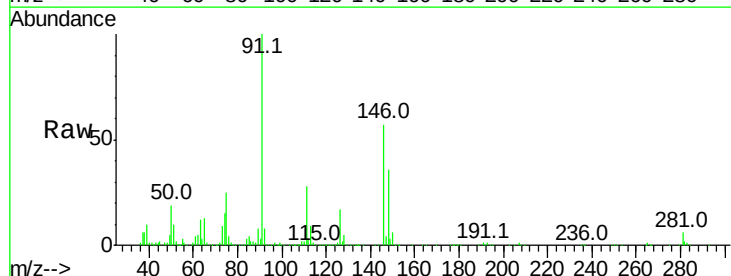
Tgt Ion: 91 Resp: 984213

Ion Ratio Lower Upper

91 100

126 18.6 15.7 23.5

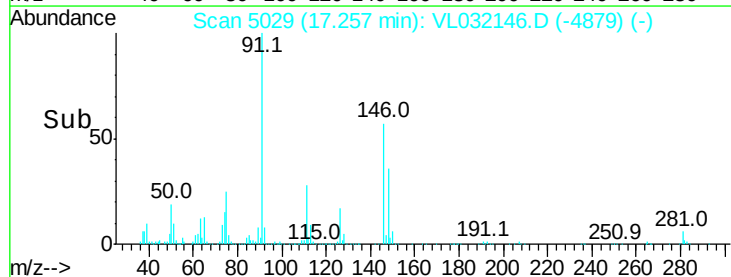
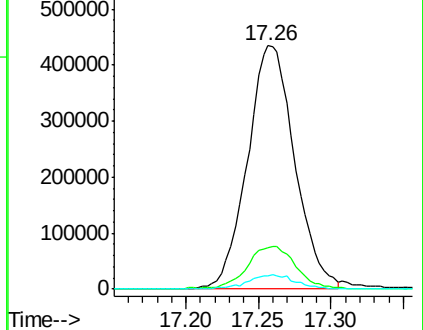
128 6.0 5.2 7.8

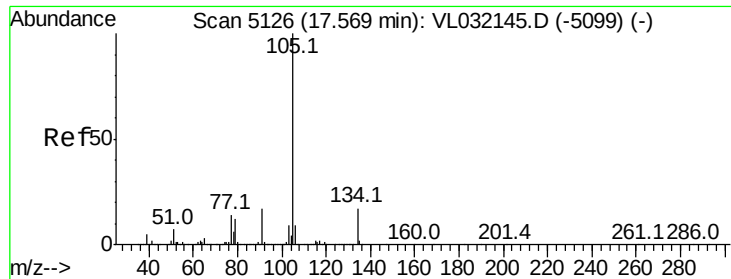


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

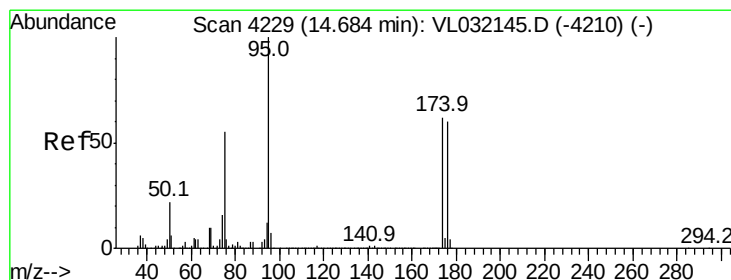
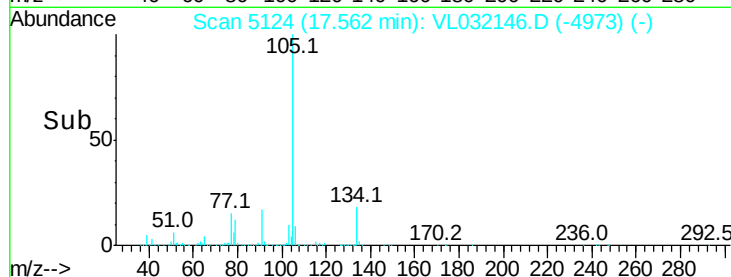
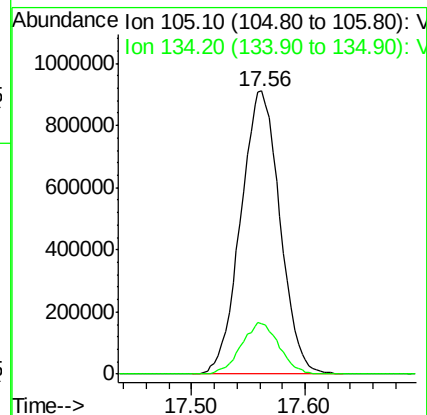
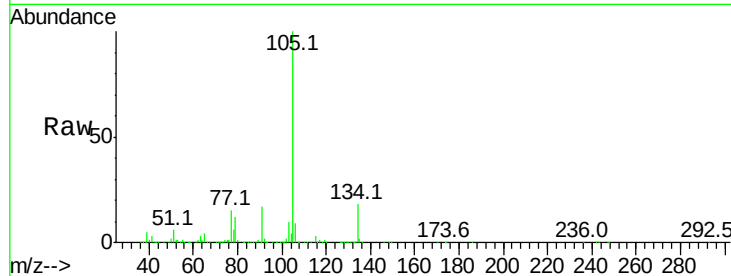




#67
 sec-Butylbenzene
 Concen: 2.792 ppbv
 RT: 17.56 min Scan# 5124
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

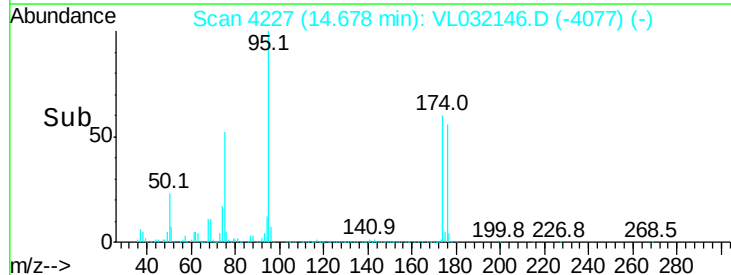
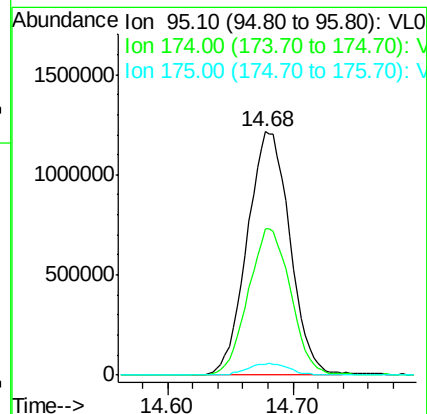
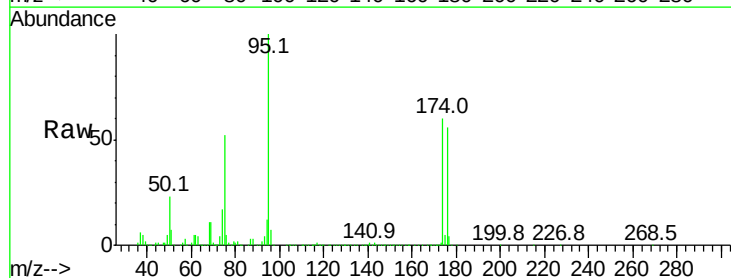
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

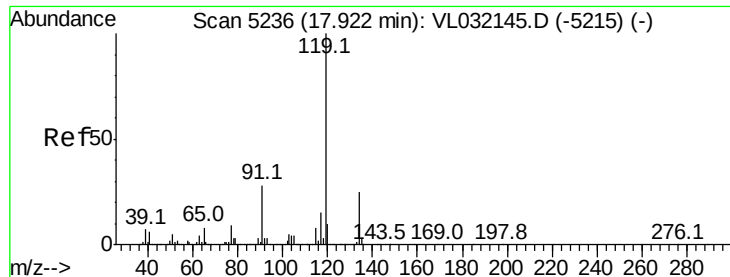
Tgt Ion: 105 Resp: 2193607
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.501 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion: 95 Resp: 2870677
 Ion Ratio Lower Upper
 95 100
 174 60.1 52.1 78.1
 175 4.7 4.0 6.0

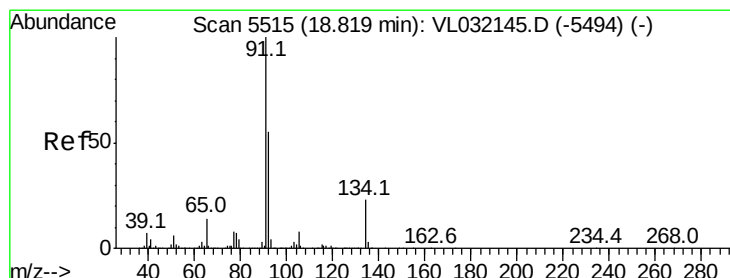
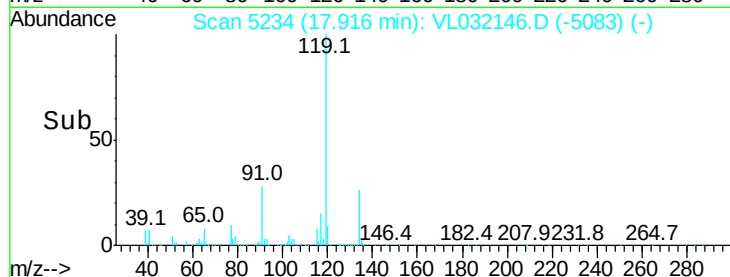
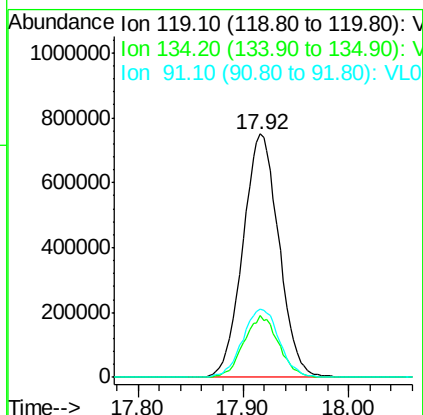
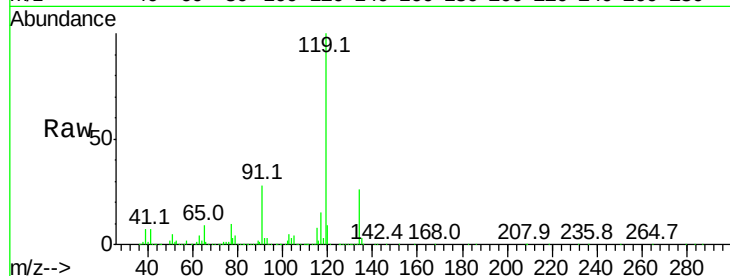




#69
 p-Isopropyltoluene
 Concen: 2.761 ppbv
 RT: 17.92 min Scan# 5234
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

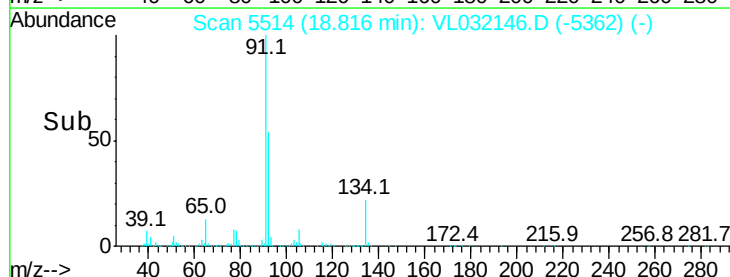
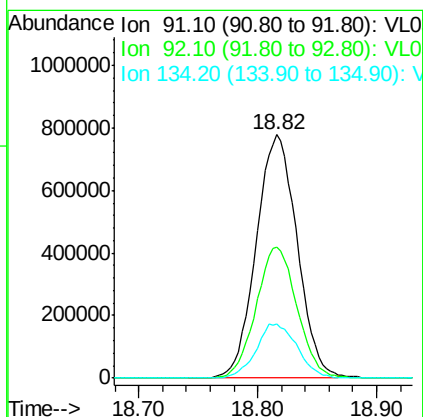
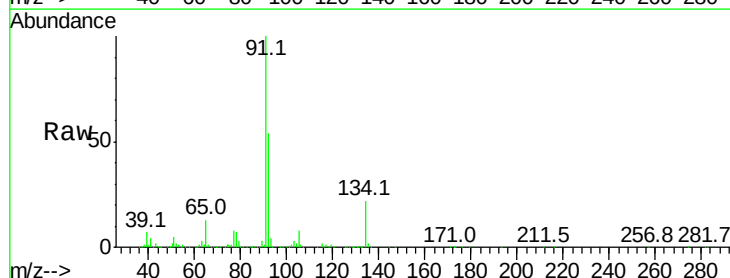
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

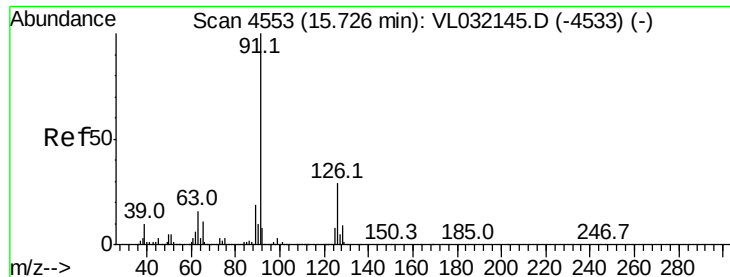
Tgt Ion: 119 Resp: 1777943
 Ion Ratio Lower Upper
 119 100
 134 24.5 20.7 31.1
 91 28.8 21.8 32.8



#70
 n-Butylbenzene
 Concen: 2.723 ppbv
 RT: 18.82 min Scan# 5514
 Delta R.T. -0.01 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion: 91 Resp: 1844423
 Ion Ratio Lower Upper
 91 100
 92 54.1 43.7 65.5
 134 22.7 18.9 28.3





#71

2-Chlorotoluene

Concen: 2.749 ppbv

RT: 15.72 min Scan# 4551

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

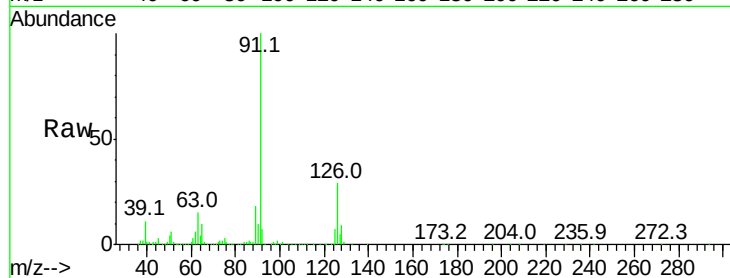
VSTDIC002

Tgt Ion: 91 Resp: 1290938

Ion Ratio Lower Upper

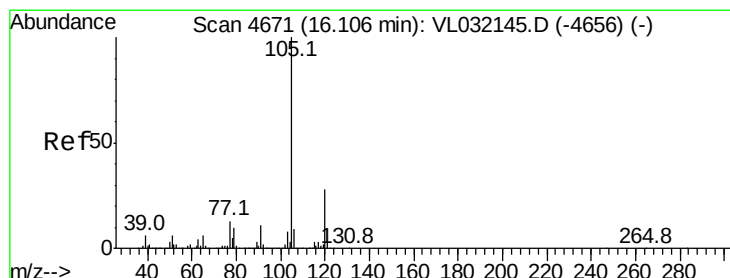
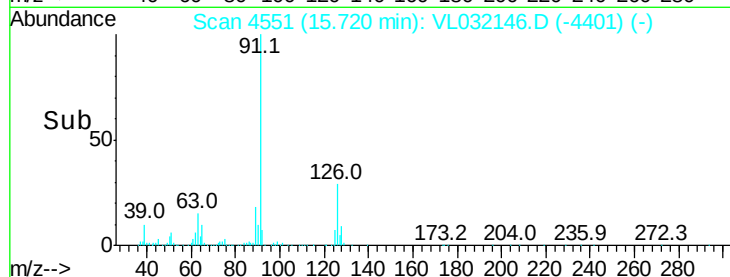
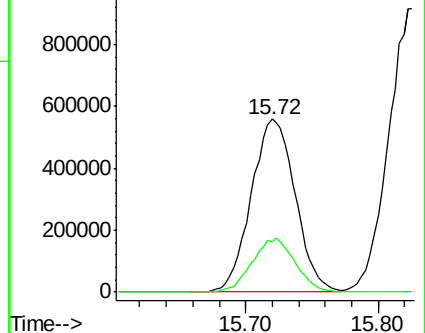
91 100

126 30.5 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: 2.722 ppbv

RT: 16.10 min Scan# 4670

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Tgt Ion: 105 Resp: 1411347

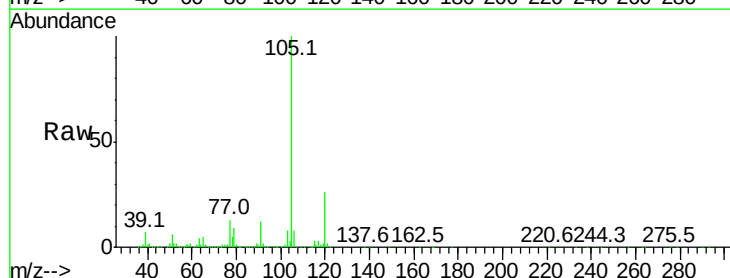
Ion Ratio Lower Upper

105 100

120 28.9 24.3 36.5

91 11.9 9.4 14.0

77 13.1 10.2 15.2

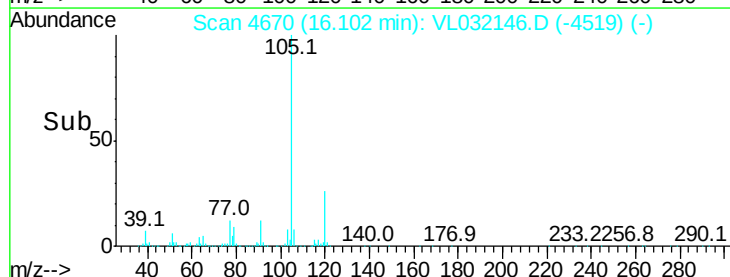
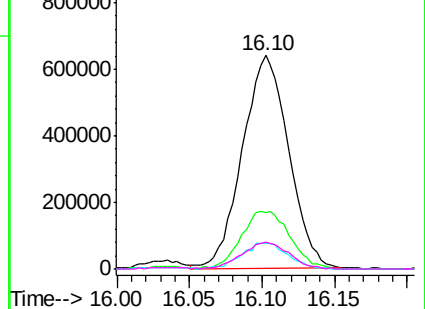


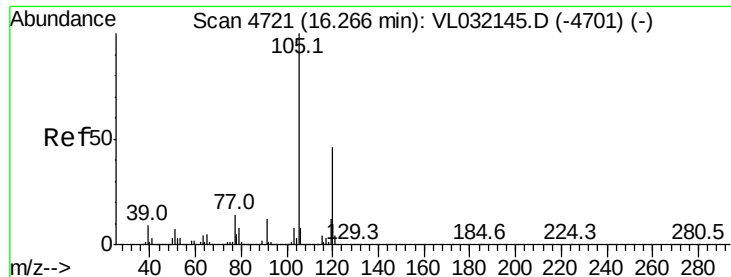
Abundance Ion 105.10 (104.80 to 105.80): V

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: 2.843 ppbv

RT: 16.26 min Scan# 4720

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

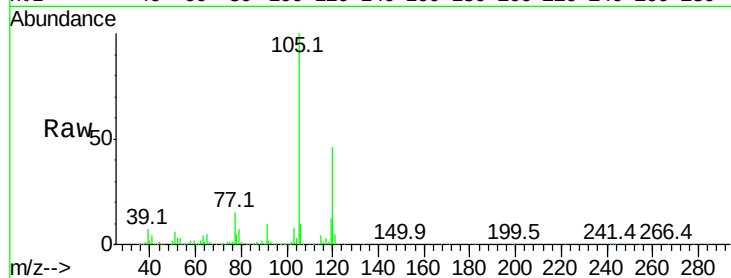
VSTDIC002

Tgt Ion:105 Resp: 1319504

Ion Ratio Lower Upper

105 100

120 46.0 38.6 57.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.26

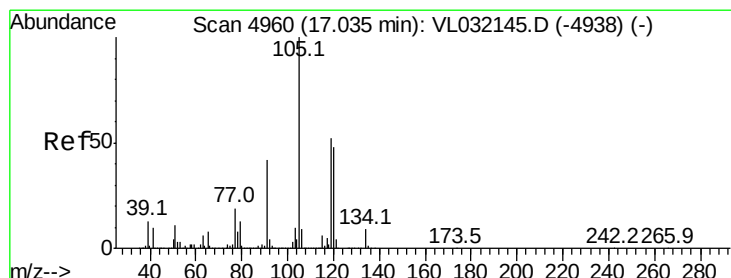
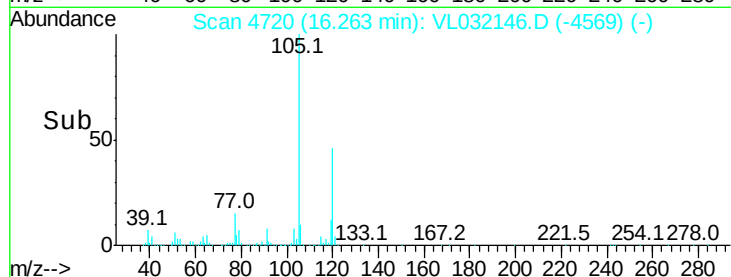
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.735 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Tgt Ion:105 Resp: 1349915

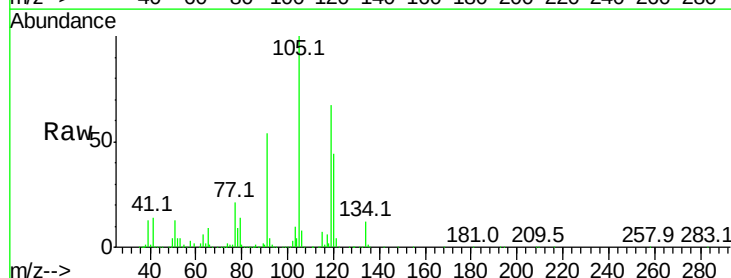
Ion Ratio Lower Upper

105 100

120 43.5 38.8 58.2

91 53.7 33.6 50.4#

77 21.2 16.0 24.0



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

800000

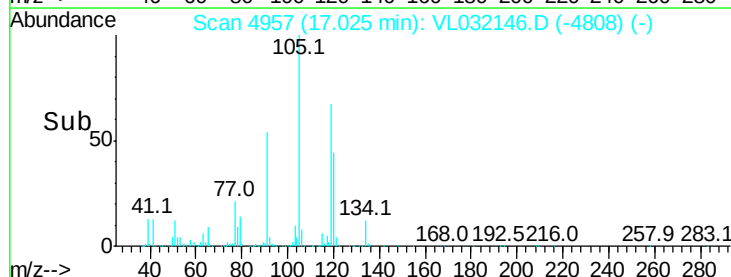
600000

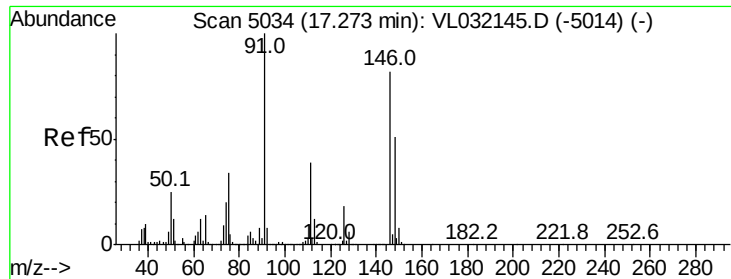
400000

200000

0

Time-->

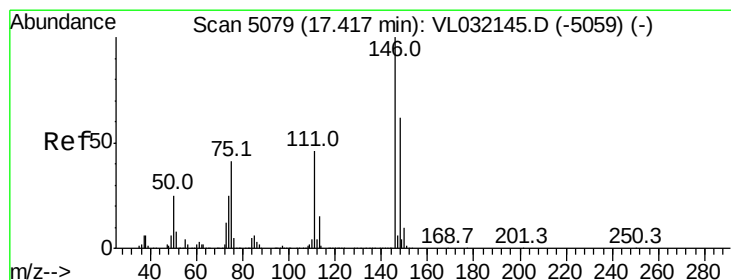
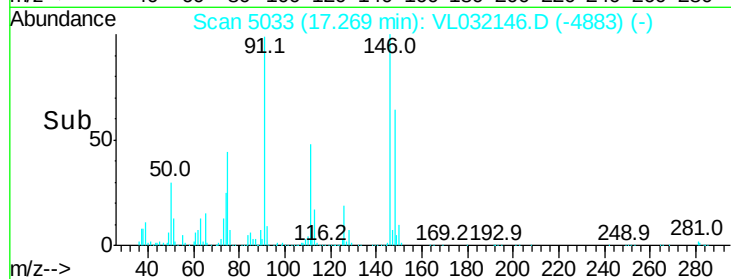
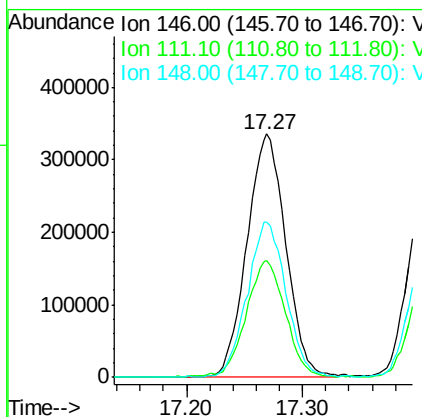
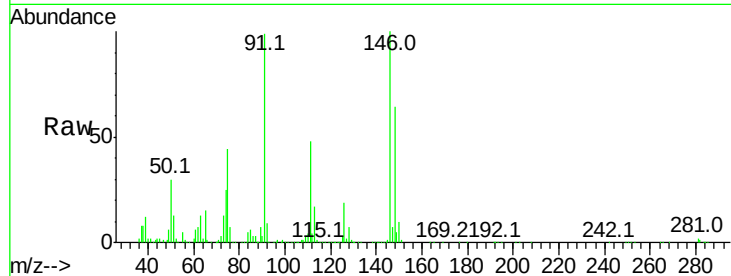




#75
 1,3-Dichlorobenzene
 Concen: 2.597 ppbv
 RT: 17.27 min Scan# 5033
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

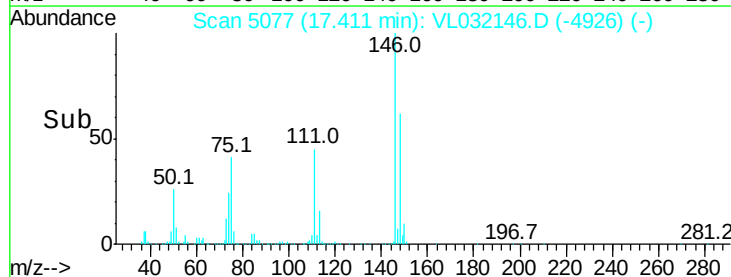
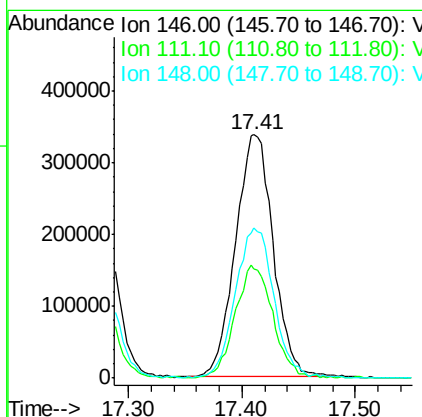
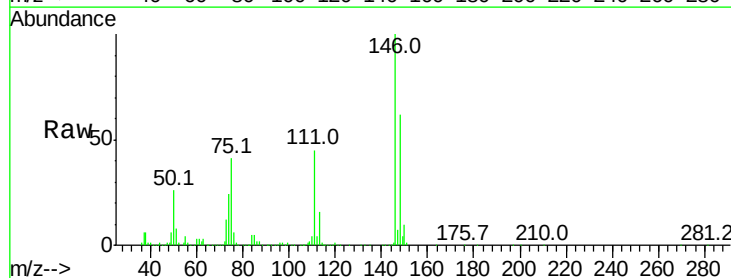
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

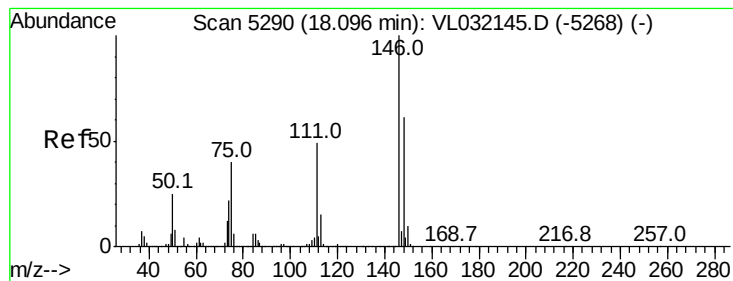
Tgt Ion:146 Resp: 783633
 Ion Ratio Lower Upper
 146 100
 111 48.8 22.9 68.8
 148 64.2 31.7 95.1



#76
 1,4-Dichlorobenzene
 Concen: 2.547 ppbv
 RT: 17.41 min Scan# 5077
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Tgt Ion:146 Resp: 781609
 Ion Ratio Lower Upper
 146 100
 111 47.1 21.9 65.8
 148 63.8 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 2.464 ppbv

RT: 18.09 min Scan# 5289

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

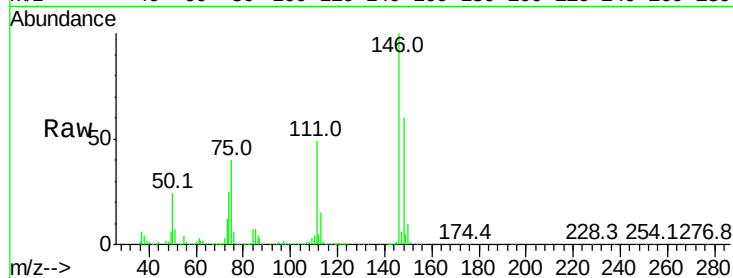
Tgt Ion:146 Resp: 773648

Ion Ratio Lower Upper

146 100

111 50.5 23.4 70.3

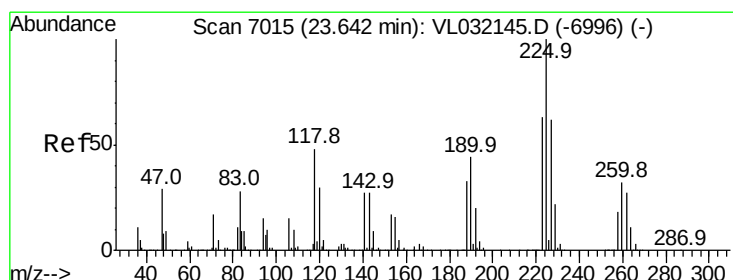
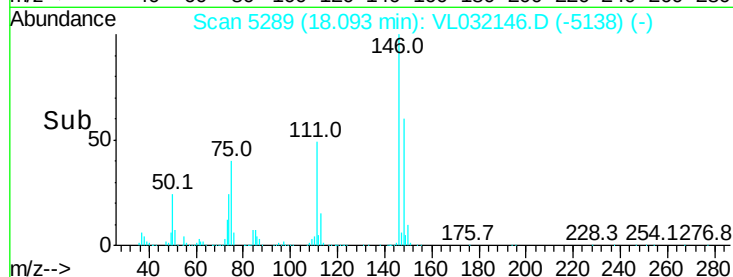
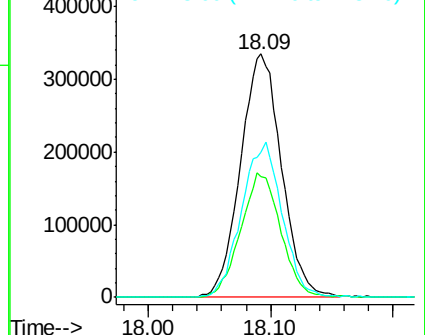
148 63.9 32.0 96.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 2.933 ppbv

RT: 23.64 min Scan# 7014

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

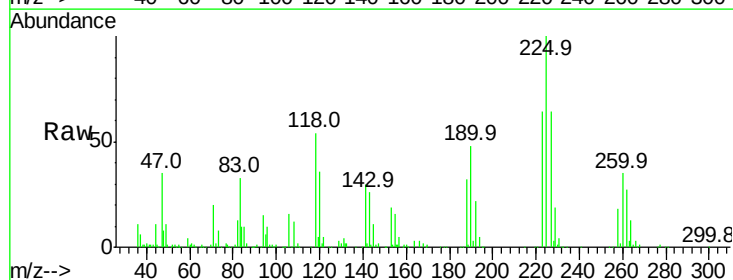
Tgt Ion:225 Resp: 250564

Ion Ratio Lower Upper

225 100

223 62.2 51.0 76.4

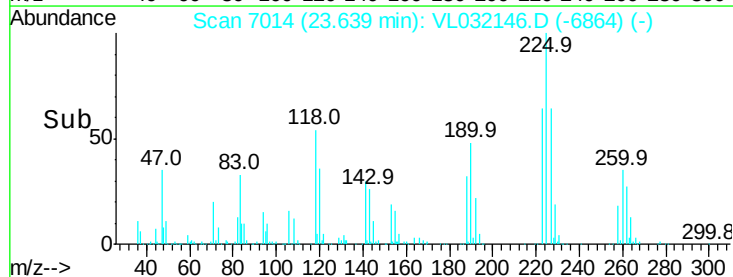
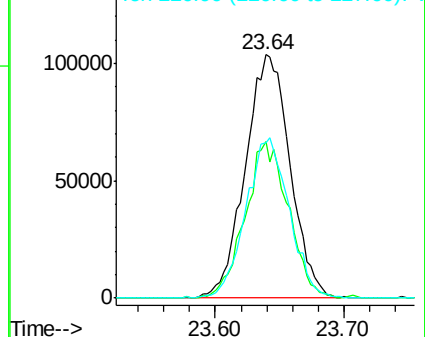
227 63.6 51.4 77.0

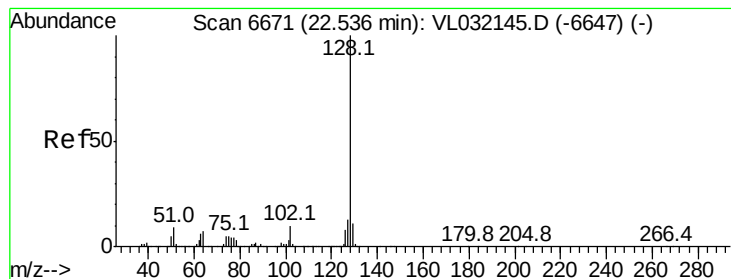


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 2.329 ppbv

RT: 22.53 min Scan# 6670

Delta R.T. -0.02 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

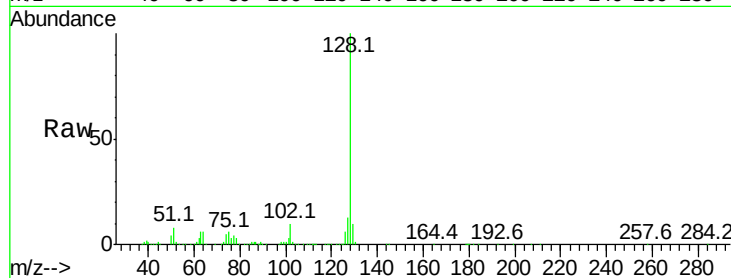
Tgt Ion:128 Resp: 1200643

Ion Ratio Lower Upper

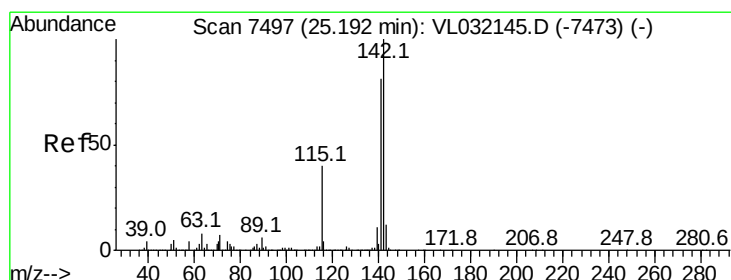
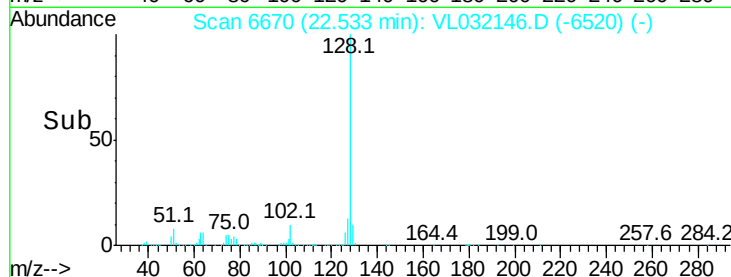
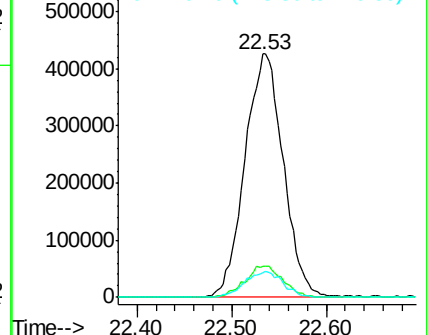
128 100

127 12.6 10.5 15.7

129 10.2 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: 1.149 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032146.D

Acq: 29 Jun 2018 18:45

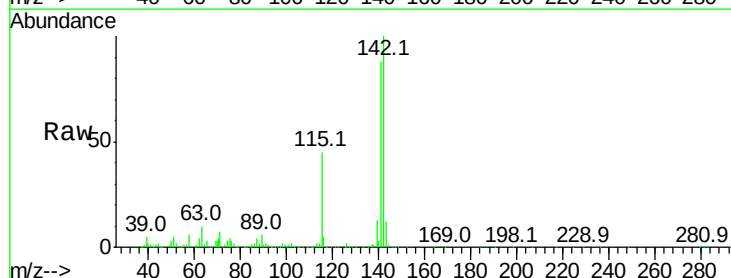
Tgt Ion:142 Resp: 354475

Ion Ratio Lower Upper

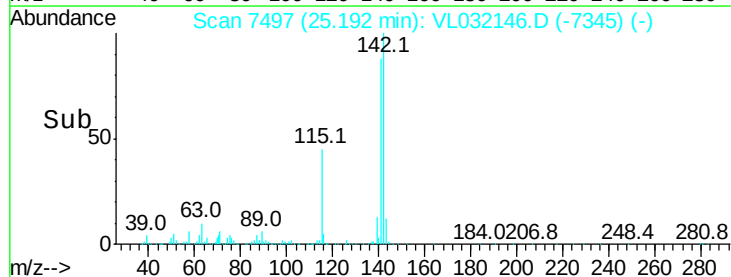
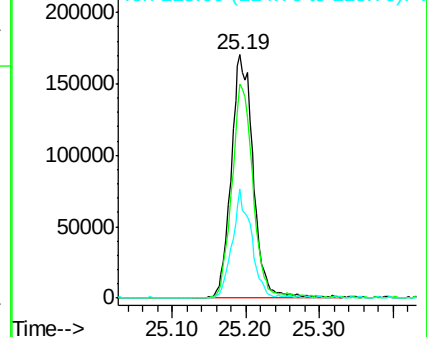
142 100

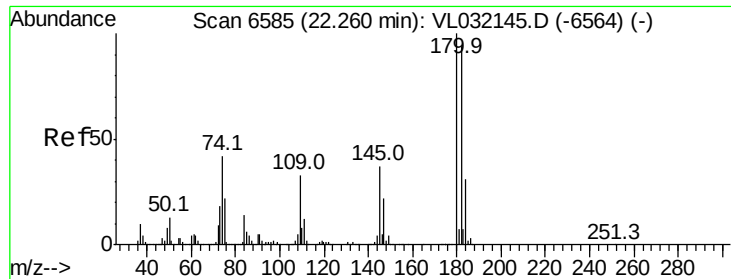
141 84.1 65.8 98.6

115 38.7 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

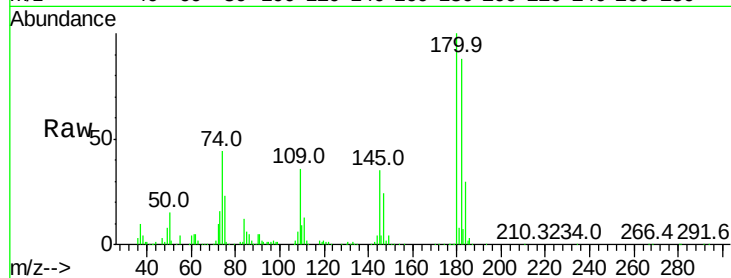




#81
 1,2,4-Trichlorobenzene
 Concen: 2.652 ppbv
 RT: 22.26 min Scan# 6584
 Delta R.T. -0.02 min
 Lab File: VL032146.D
 Acq: 29 Jun 2018 18:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 535319
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 184 30.8 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

