

Data File : VL032684.D
Acq On : 19 Oct 2018 14:55
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Oct 19 23:15:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1511178	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3824524	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4732356	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2893296	8.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1098637	7.136	ppbv	98
3) Chlorodifluoromethane	3.02	51	1094344	9.260	ppbv	99
4) Chloromethane	3.18	50	633847	9.597	ppbv	97
5) Vinyl Chloride	3.30	62	634228	8.866	ppbv	97
6) Bromomethane	3.53	94	390749	8.761	ppbv	93
7) Chloroethane	3.61	64	233214	8.853	ppbv	96
8) Dichlorotetrafluoroethane	3.23	85	1464804	9.026	ppbv	92
9) Propene	3.05	41	490105	10.077	ppbv	99
10) Heptane	8.26	43	1979941	10.564	ppbv	99
11) Trichlorofluoromethane	4.02	101	1615268	8.032	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1590327	9.509	ppbv	91
13) Ethanol	3.66	45	119905	8.626	ppbv	98
14) Bromoethene	3.80	108	518166	9.167	ppbv	100
15) Acetone	3.91	43	1102447	7.900	ppbv	100
16) 1,3-Butadiene	3.37	39	520681	10.143	ppbv	82
17) tert-Butyl alcohol	4.37	59	487547	11.879	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	747613	10.175	ppbv	98
19) Isopropyl Alcohol	4.04	45	862990	8.684	ppbv #	97
20) Methylene Chloride	4.42	84	635590	8.973	ppbv	97
21) Allyl Chloride	4.49	41	1246510	10.880	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	756674	10.040	ppbv	90
23) Vinyl Acetate	5.17	43	2595247	10.495	ppbv	100
24) 1,1-Dichloroethane	5.11	63	1886414	9.718	ppbv	98
25) Ethyl Acetate	5.79	43	3141581	9.781	ppbv	99
26) Hexane	5.80	57	1482304	9.753	ppbv	99
27) Carbon Disulfide	4.63	76	1880012	10.197	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	2313795	10.593	ppbv	100
29) Chloroform	5.87	83	2341366	9.645	ppbv	99
30) Cyclohexane	7.27	84	1298472	10.794	ppbv	98
31) cis-1,2-Dichloroethene	5.66	61	1510054	10.716	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	2317555	9.394	ppbv	99
34) 2-Butanone	5.35	43	2012642	9.817	ppbv	99
35) Carbon Tetrachloride	7.15	117	2500361	9.212	ppbv	97
36) Benzene	7.03	78	3054012	9.834	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1776318	9.325	ppbv	98
38) Trichloroethene	7.98	130	1210394	10.528	ppbv	99
39) 1,2-Dichloropropane	7.76	63	1184850	9.880	ppbv	99
40) 1,4-Dioxane	7.98	88	401741	9.808	ppbv #	97
41) Tetrahydrofuran	6.17	42	1244591	10.894	ppbv	99
42) Bromodichloromethane	7.94	83	2565194	9.611	ppbv	98
43) Methyl Methacrylate	8.16	69	1245426	10.942	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5261143	9.923	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1823498	11.968	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	1927837	11.075	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1400415	9.882	ppbv	98
48) Dibromochloromethane	10.47	129	2277012	9.640	ppbv	100
49) Bromoform	13.22	173	1838467	9.905	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3049992	10.042	ppbv	99
51) 2-Hexanone	10.29	43	2568254	11.375	ppbv	98
52) Tetrachloroethene	11.40	164	1165236	10.762	ppbv	96
53) Toluene	9.97	91	3918082	11.006	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1892316	9.825	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1567313	7.574	ppbv	97
57) Chlorobenzene	12.33	112	2728470	7.840	ppbv	94
58) Ethyl Benzene	12.89	91	4832454	8.790	ppbv	100
59) m/p-Xylene	13.17	91	4294454	8.772	ppbv #	38
60) o-Xylene	13.87	91	3829821	8.110	ppbv	99
61) Styrene	13.71	104	2940207	9.286	ppbv	98
62) Isopropylbenzene	14.85	105	5329351	7.974	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2600180	7.027	ppbv	99
64) n-propylbenzene	15.75	120	1370545	8.251	ppbv	95
65) tert-Butylbenzene	16.93	119	4539196	7.974	ppbv	96
66) Benzyl Chloride	17.18	91	2630780	8.951	ppbv	99
67) sec-Butylbenzene	17.48	105	6379192	7.880	ppbv	99
69) p-Isopropyltoluene	17.84	119	5170173	8.059	ppbv	98
70) n-Butylbenzene	18.74	91	5243103	7.939	ppbv	99
71) 2-Chlorotoluene	15.64	91	3984496	8.388	ppbv	98
72) 4-Ethyltoluene	16.02	105	4346974	8.642	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4036683	8.240	ppbv	96
74) 1,2,4-Trimethylbenzene	16.95	105	4098848	7.834	ppbv	97
75) 1,3-Dichlorobenzene	17.19	146	2278038	7.572	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2262083	8.148	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2167814	7.606	ppbv	99
78) Hexachloro-1,3-Butadiene	23.57	225	1363917	10.128	ppbv	99
79) Naphthalene	22.43	128	3423573	10.528	ppbv	100
80) Naphthalene,2-methyl-	25.13	142	1343430	16.989	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1612339	9.574	ppbv	99

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

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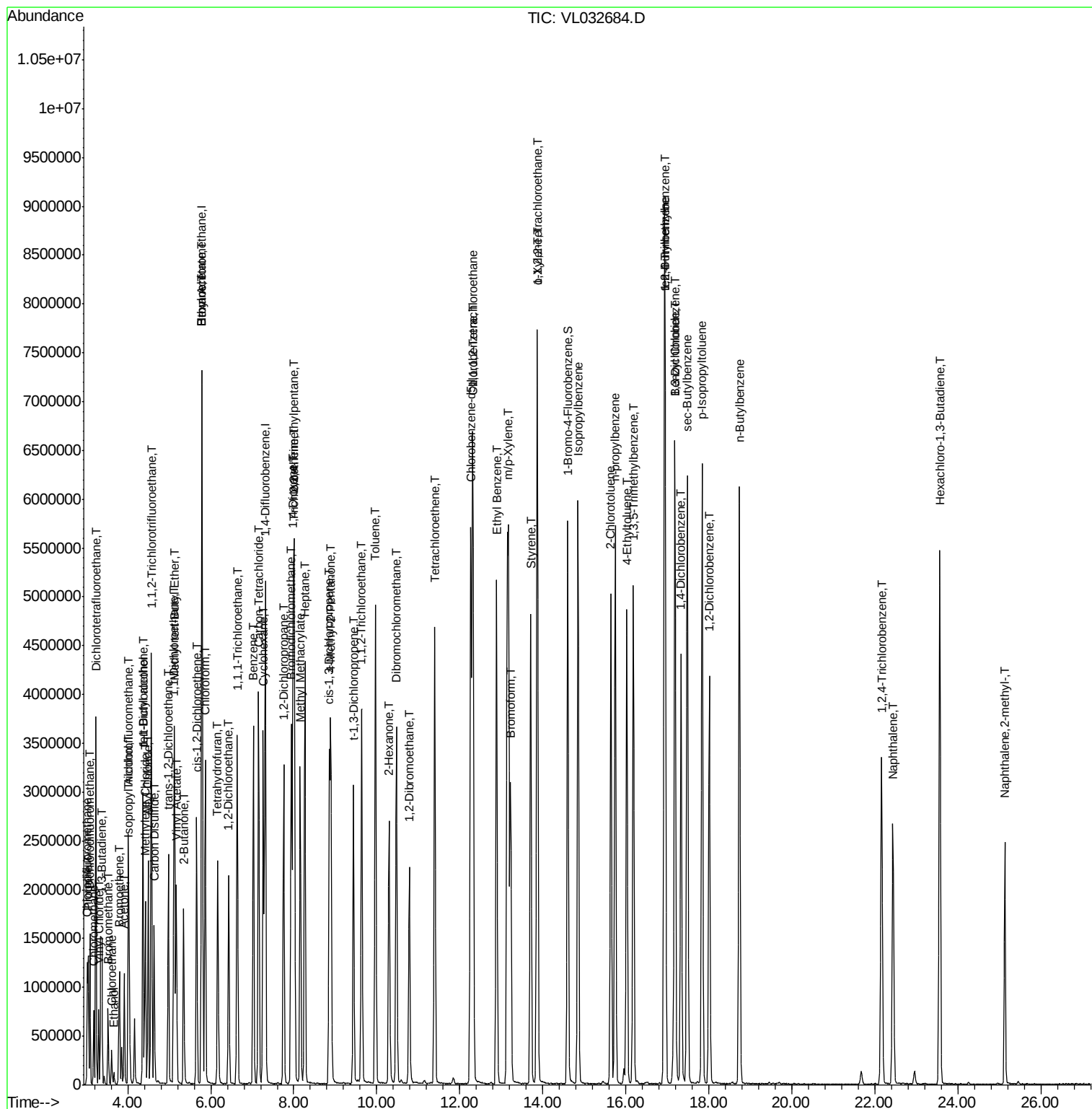
Quant Time: Oct 19 23:15:03 2018

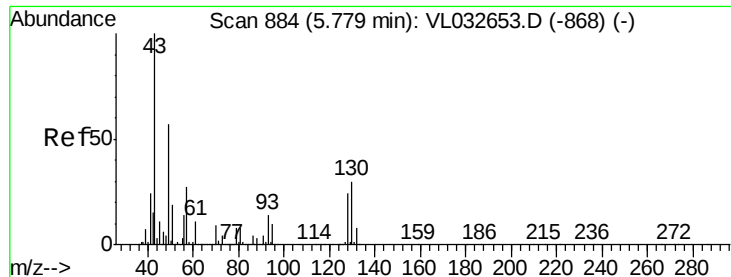
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

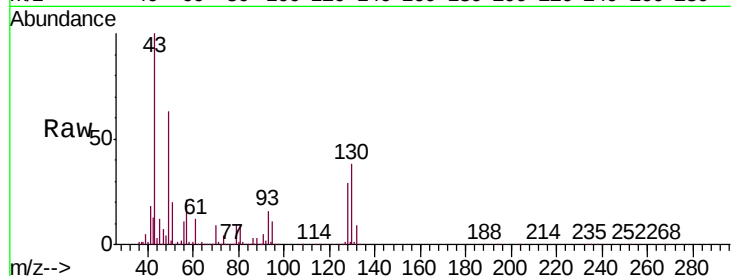
Tgt Ion: 49 Resp: 1511178

Ion Ratio Lower Upper

49 100

128 47.9 22.3 66.8

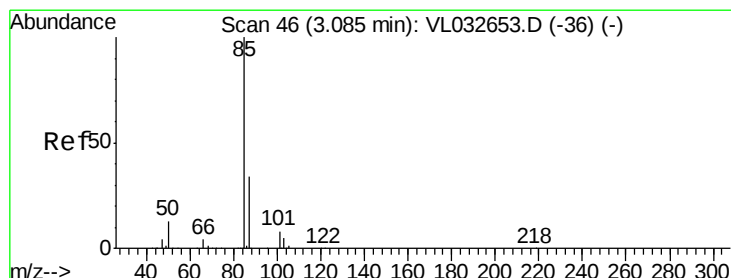
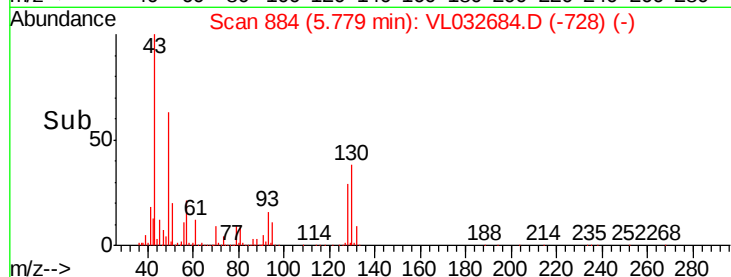
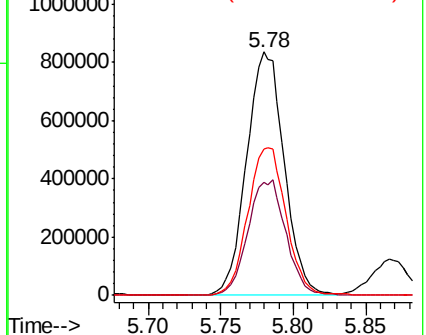
130 61.8 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.136 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032684.D

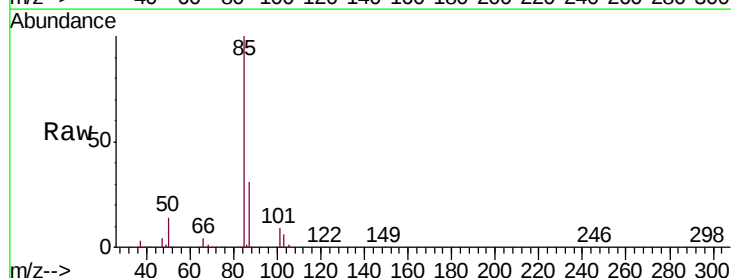
Acq: 19 Oct 2018 14:55

Tgt Ion: 85 Resp: 1098637

Ion Ratio Lower Upper

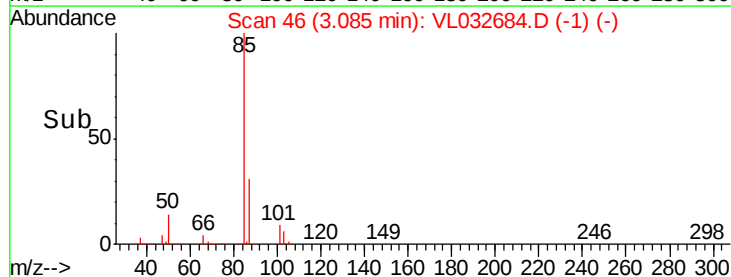
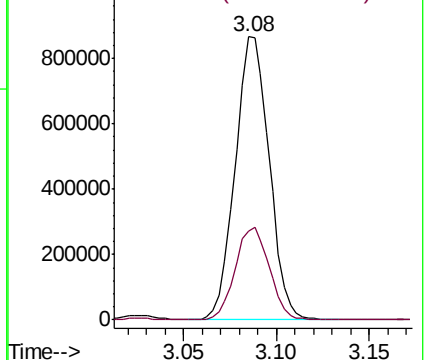
85 100

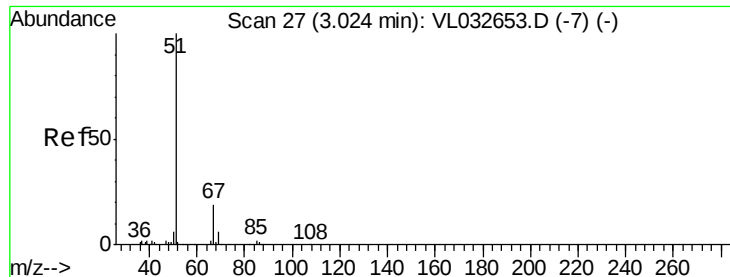
87 31.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

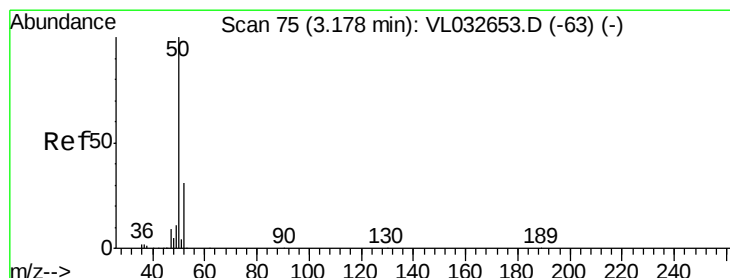
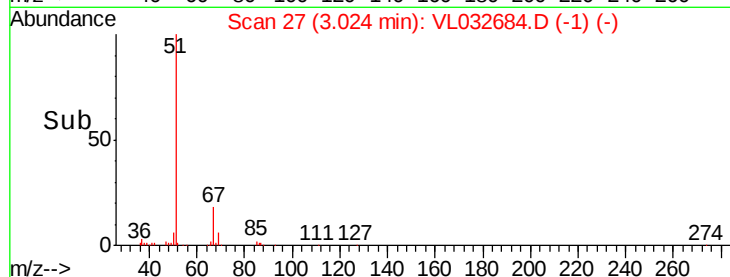
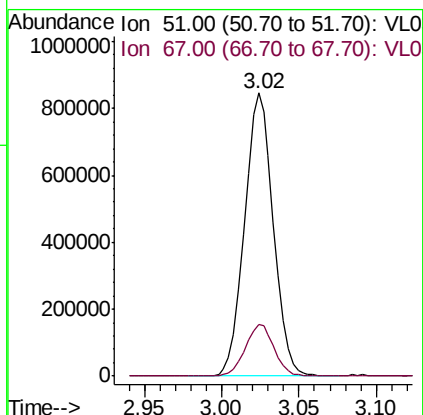
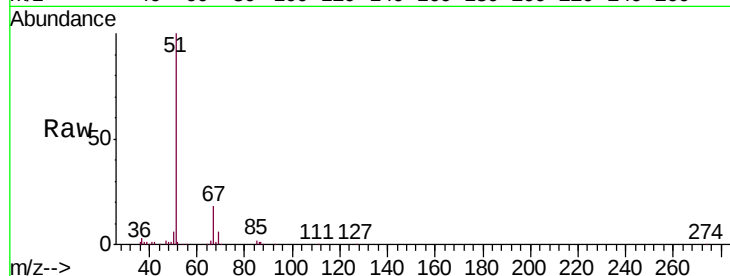




#3
Chlorodifluoromethane
Concen: 9.260 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

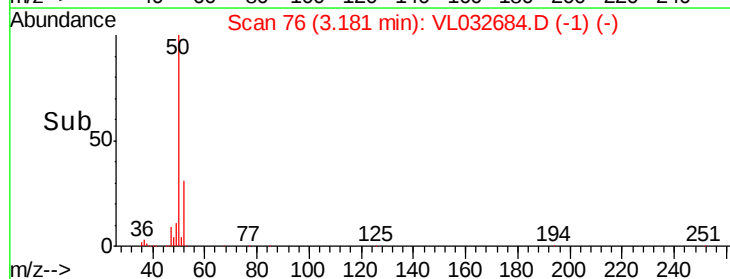
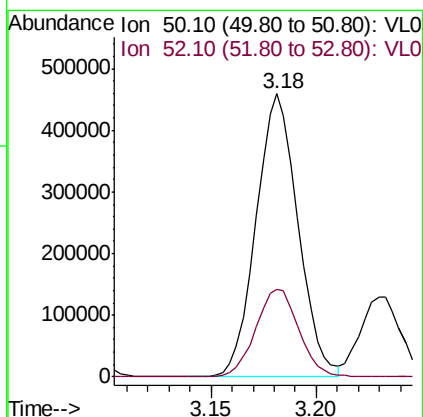
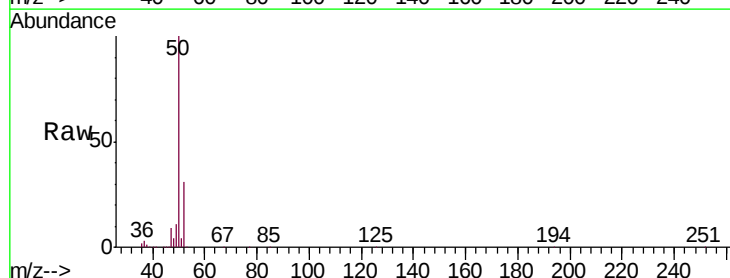
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

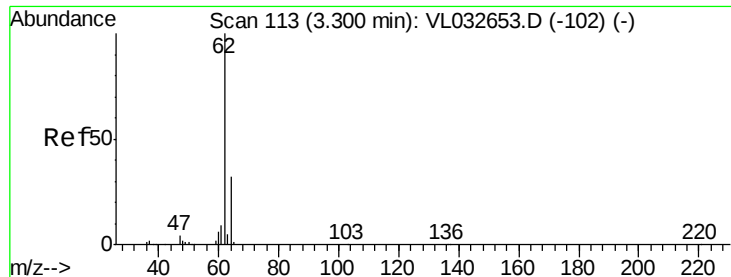
Tgt Ion: 51 Resp: 1094344
Ion Ratio Lower Upper
51 100
67 18.6 15.2 22.8



#4
Chloromethane
Concen: 9.597 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 50 Resp: 633847
Ion Ratio Lower Upper
50 100
52 30.9 25.9 38.9





#5

Vinyl Chloride

Concen: 8.866 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

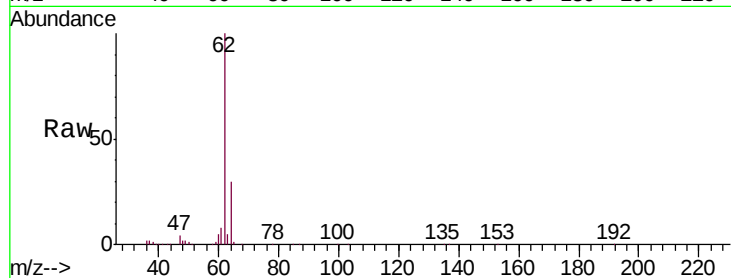
VSTDCCC010EC

Tgt Ion: 62 Resp: 634228

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

500000

400000

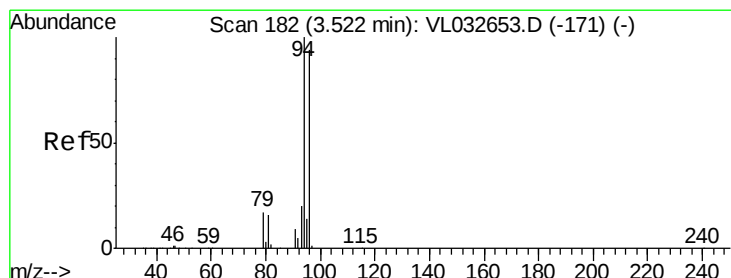
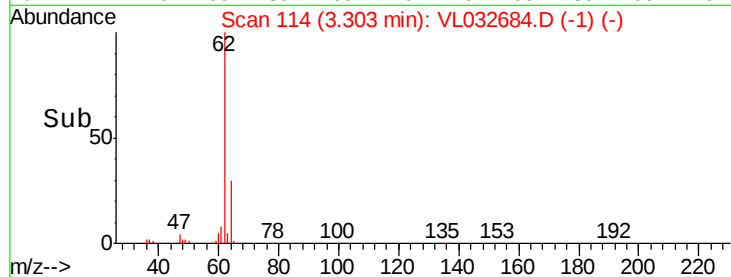
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.761 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032684.D

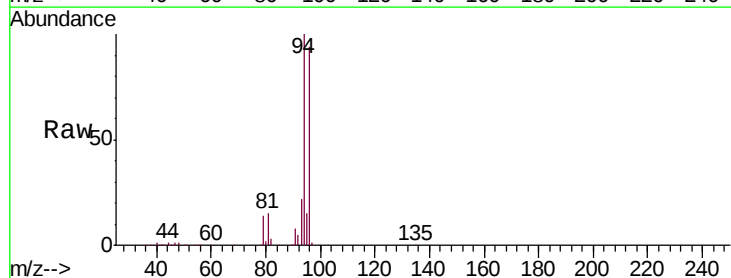
Acq: 19 Oct 2018 14:55

Tgt Ion: 94 Resp: 390749

Ion Ratio Lower Upper

94 100

96 94.2 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.53

300000

250000

200000

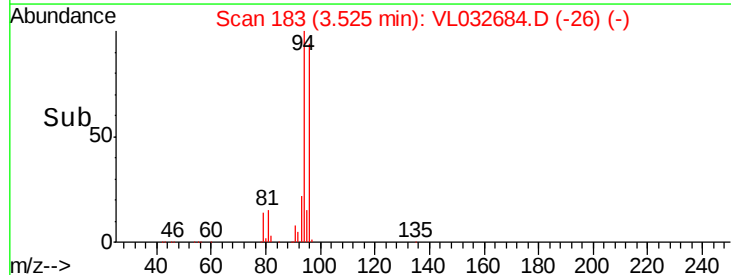
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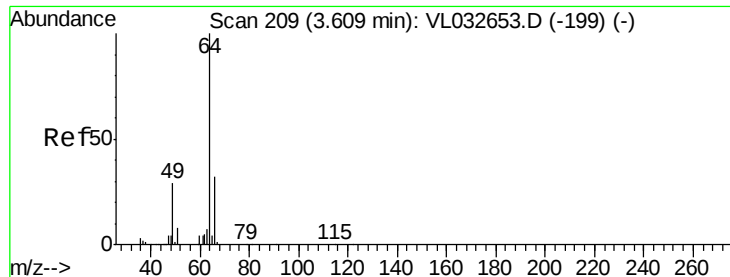
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.853 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

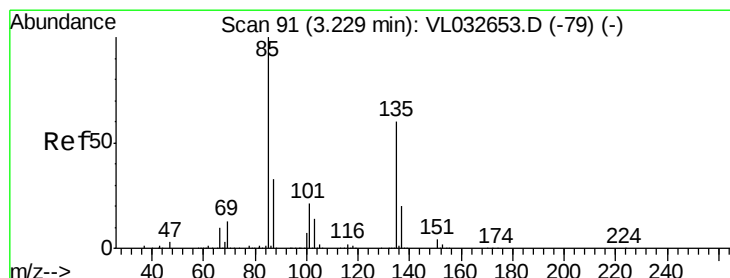
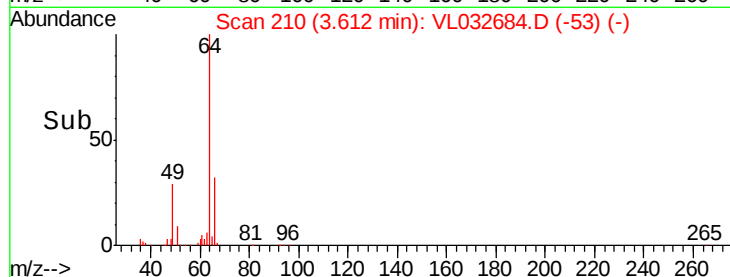
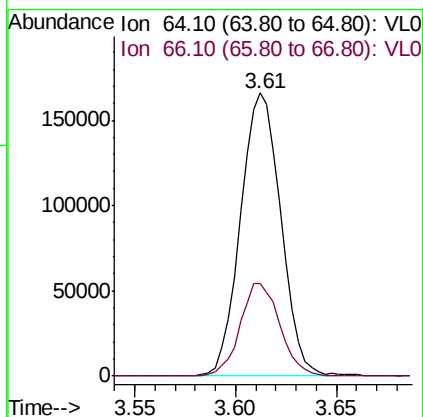
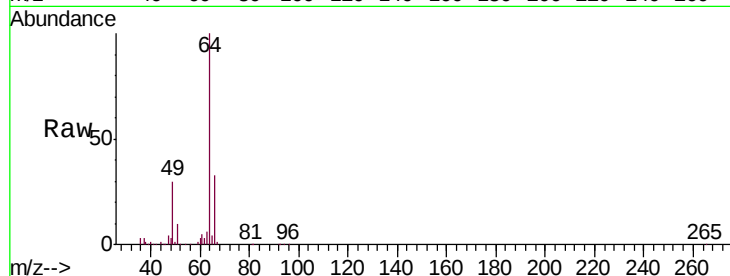
VSTDCCC010EC

Tgt Ion: 64 Resp: 233214

Ion Ratio Lower Upper

64 100

66 32.9 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 9.026 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032684.D

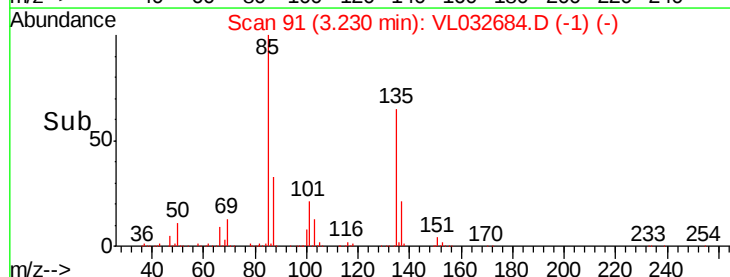
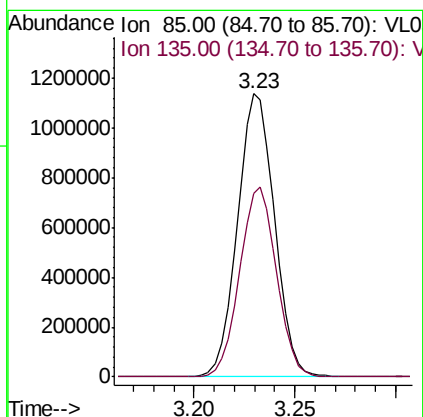
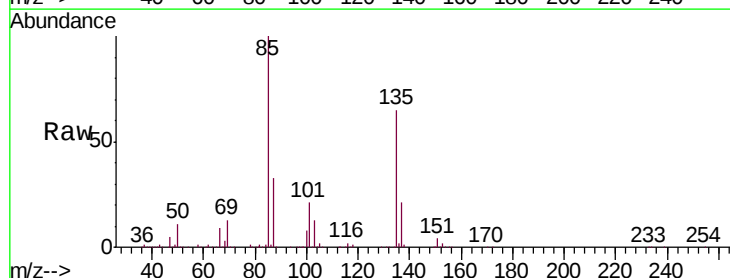
Acq: 19 Oct 2018 14:55

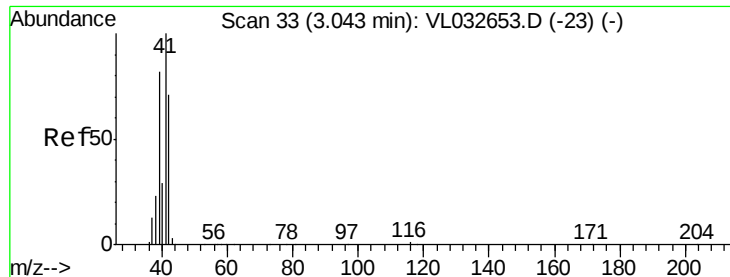
Tgt Ion: 85 Resp: 1464804

Ion Ratio Lower Upper

85 100

135 67.0 49.0 73.4





#9

Propene

Concen: 10.077 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

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ClientSampleId :

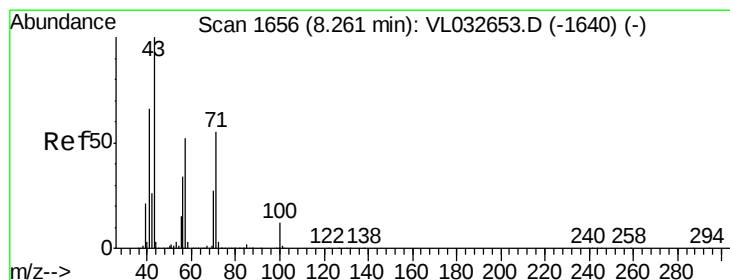
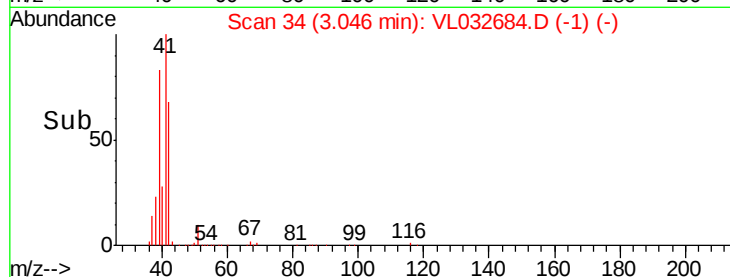
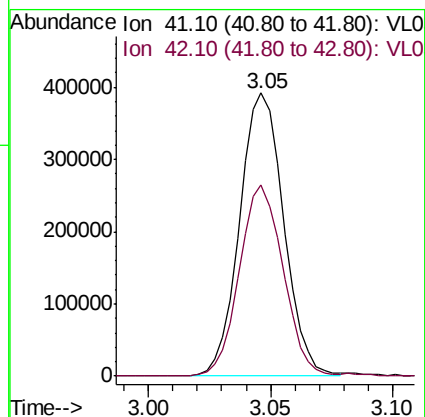
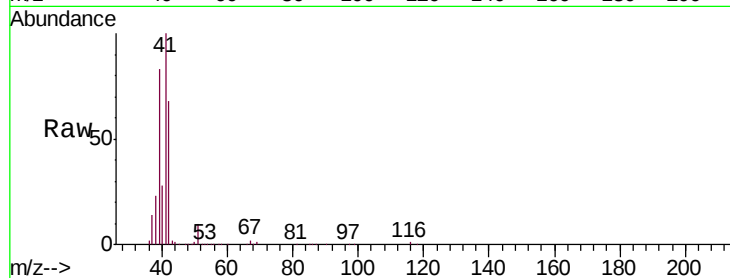
VSTDCCC010EC

Tgt Ion: 41 Resp: 490105

Ion Ratio Lower Upper

41 100

42 68.1 55.4 83.0



#10

Heptane

Concen: 10.564 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL032684.D

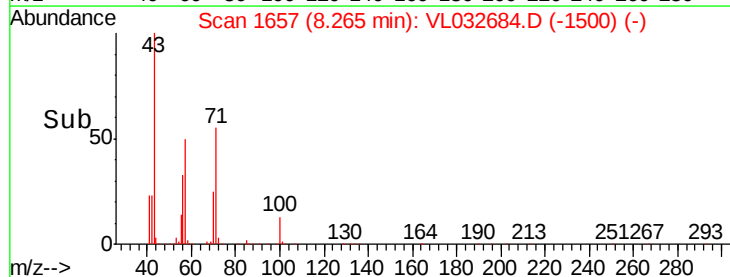
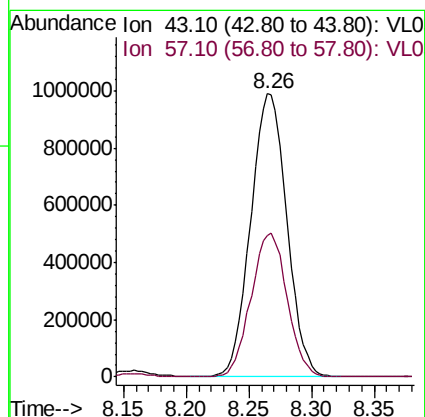
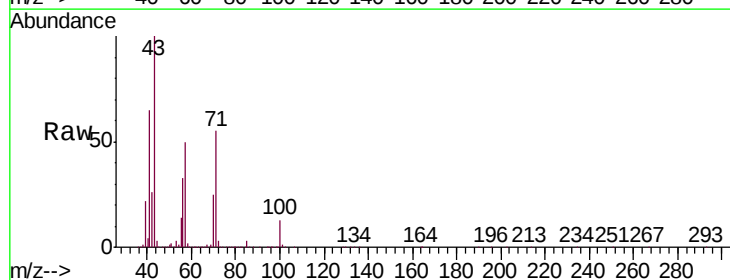
Acq: 19 Oct 2018 14:55

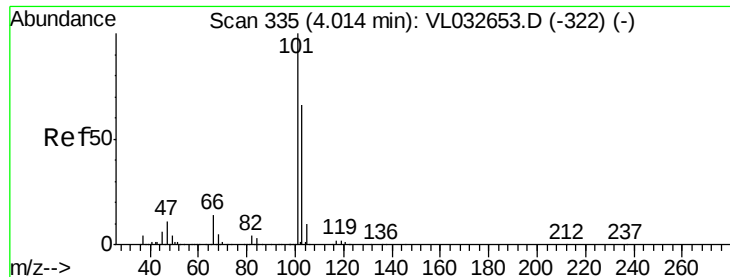
Tgt Ion: 43 Resp: 1979941

Ion Ratio Lower Upper

43 100

57 50.9 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.032 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

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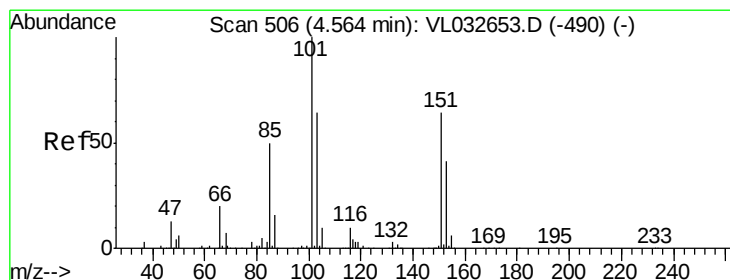
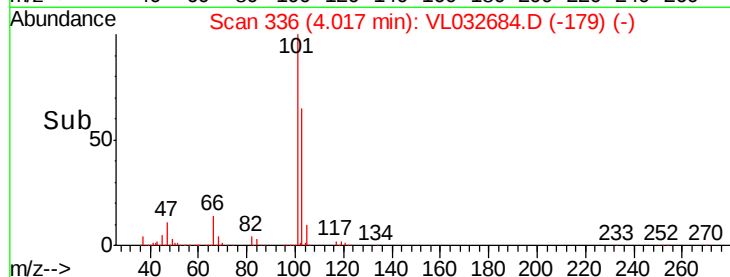
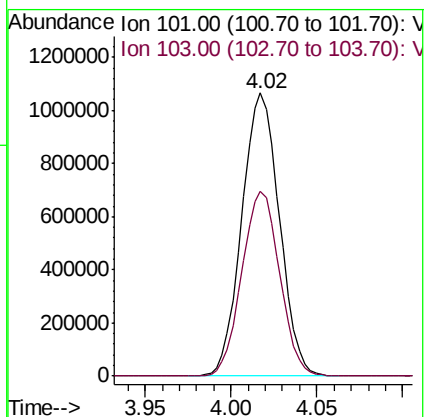
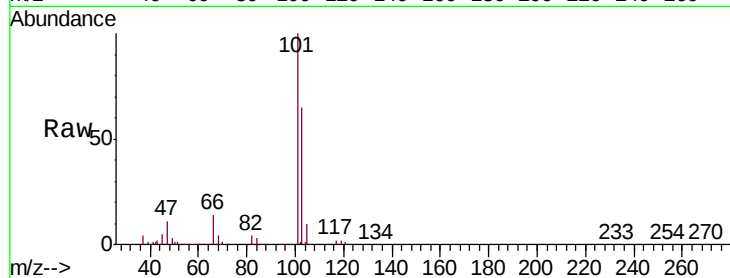
VSTDCCC010EC

Tgt Ion:101 Resp: 1615268

Ion Ratio Lower Upper

101 100

103 65.5 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.509 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032684.D

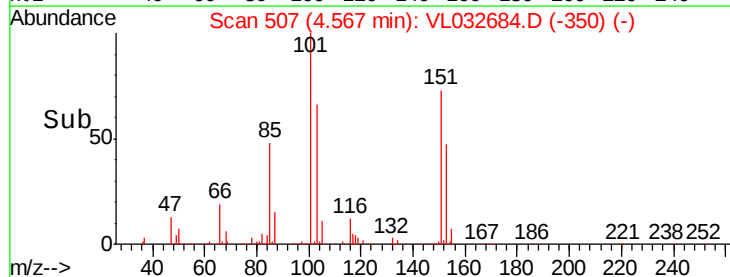
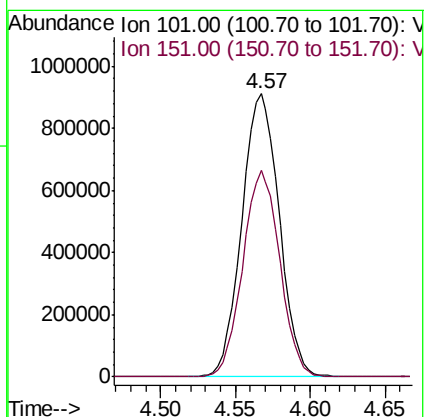
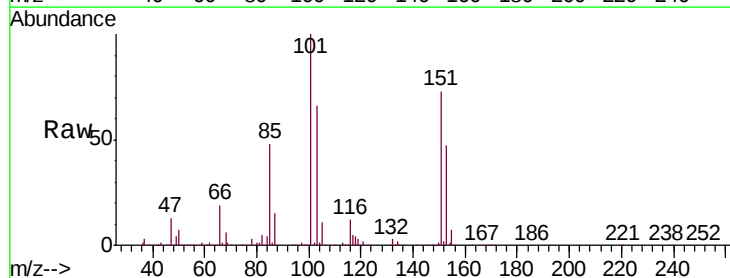
Acq: 19 Oct 2018 14:55

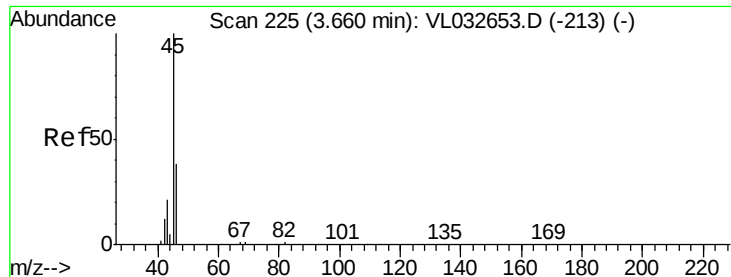
Tgt Ion:101 Resp: 1590327

Ion Ratio Lower Upper

101 100

151 72.3 52.3 78.5





#13

Ethanol

Concen: 8.626 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

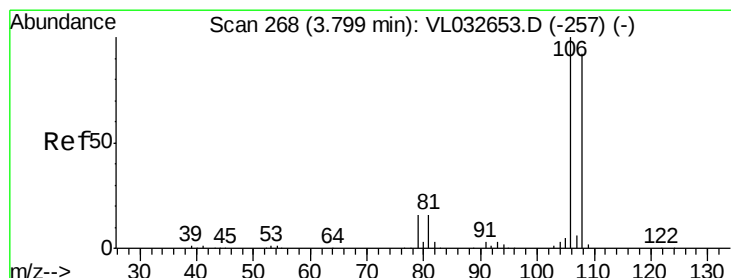
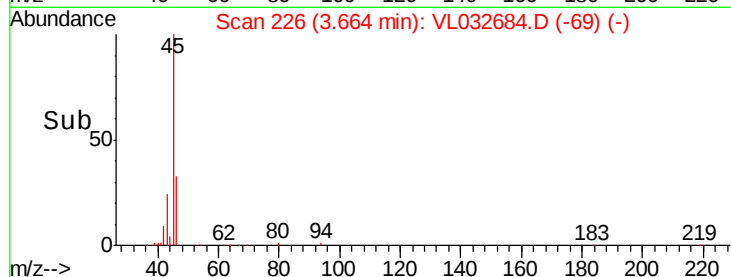
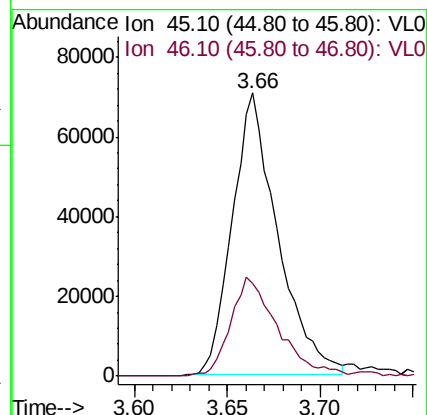
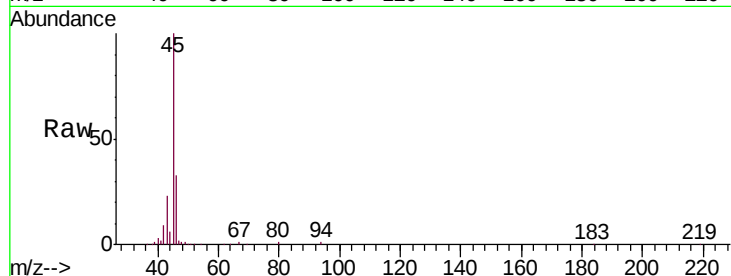
VSTDCCC010EC

Tgt Ion: 45 Resp: 119905

Ion Ratio Lower Upper

45 100

46 37.3 15.4 61.8



#14

Bromoethene

Concen: 9.167 ppbv

RT: 3.80 min Scan# 269

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

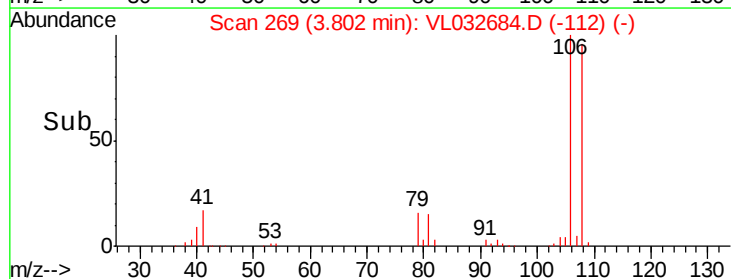
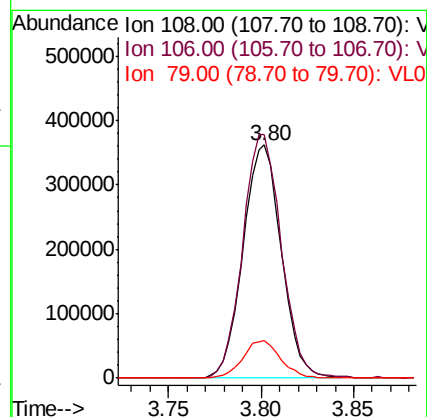
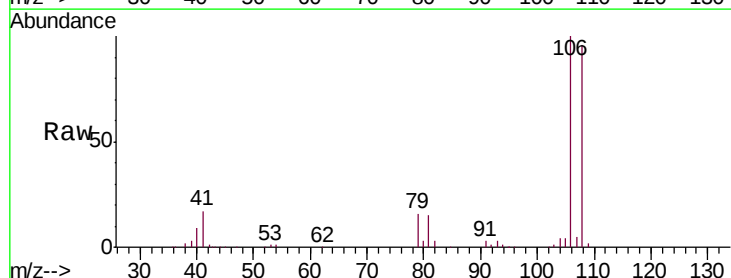
Tgt Ion: 108 Resp: 518166

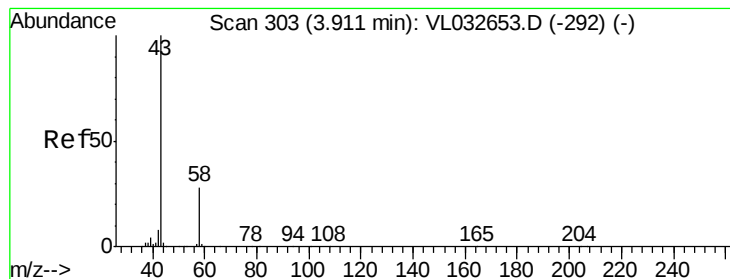
Ion Ratio Lower Upper

108 100

106 106.1 85.0 127.4

79 16.1 13.7 20.5





#15

Acetone

Concen: 7.900 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

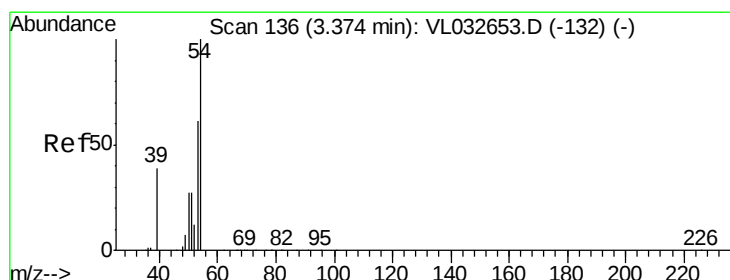
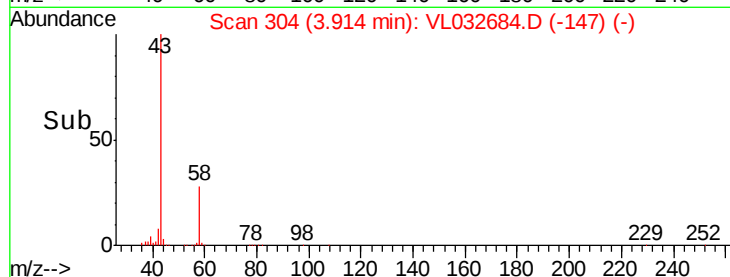
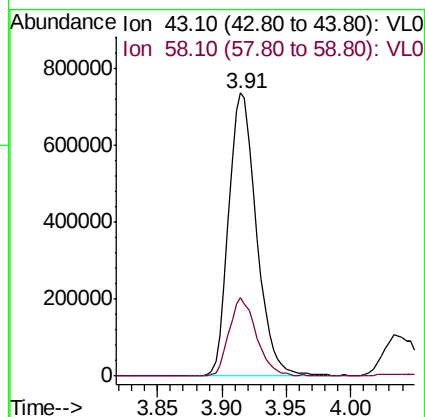
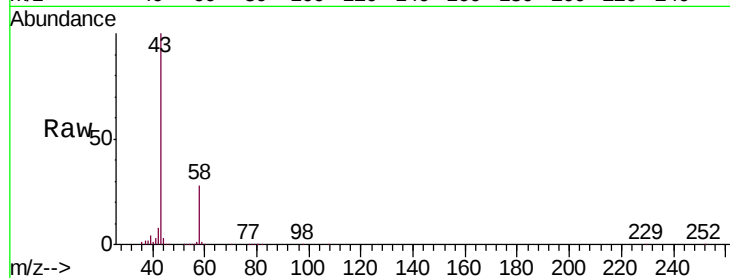
VSTDCCC010EC

Tgt Ion: 43 Resp: 1102447

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



#16

1,3-Butadiene

Concen: 10.143 ppbv

RT: 3.37 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL032684.D

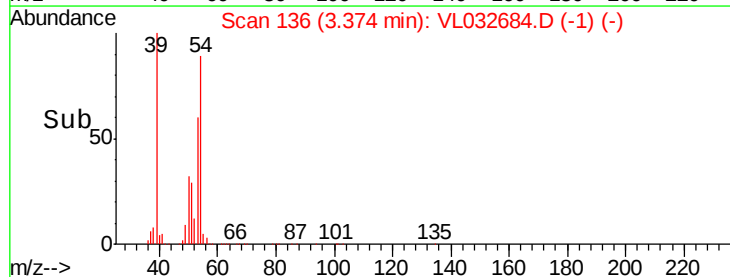
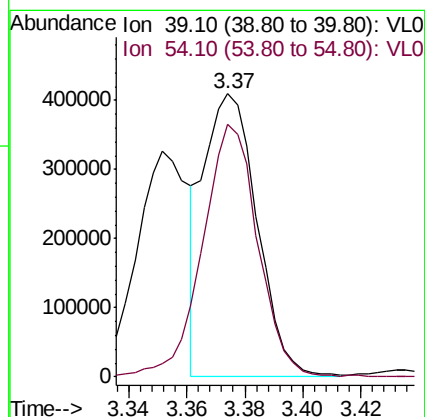
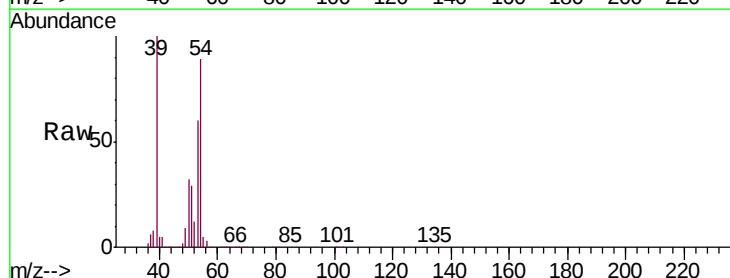
Acq: 19 Oct 2018 14:55

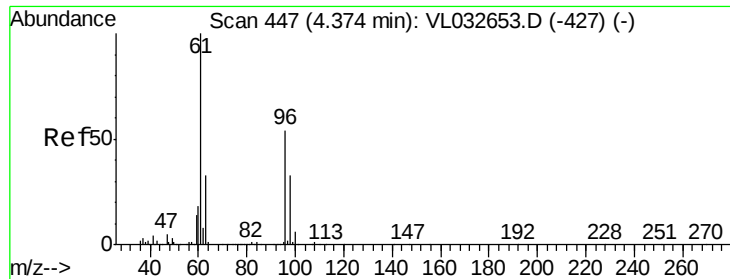
Tgt Ion: 39 Resp: 520681

Ion Ratio Lower Upper

39 100

54 93.7 90.4 135.6



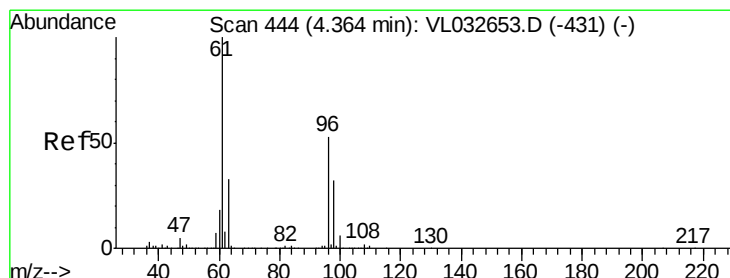
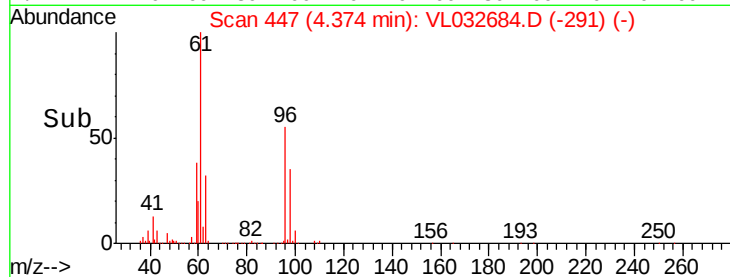
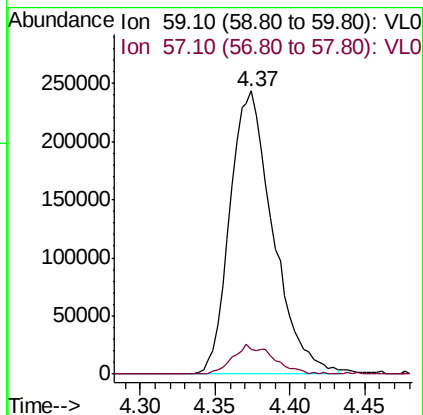
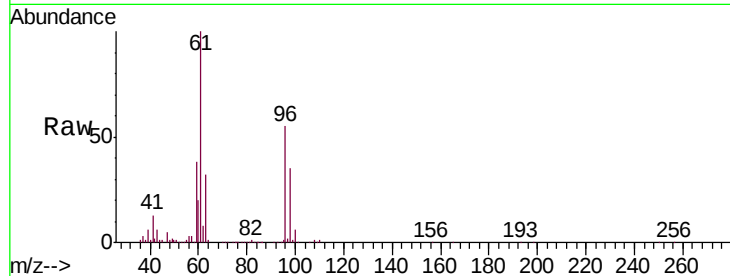


#17

tert-Butyl alcohol
 Concen: 11.879 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

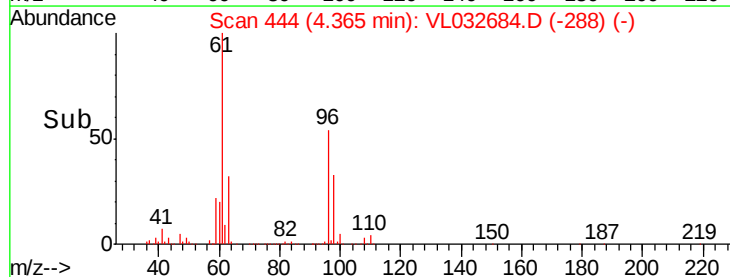
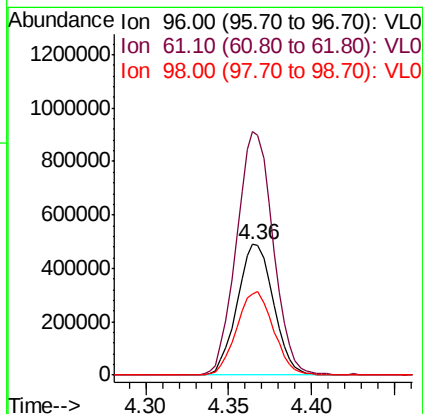
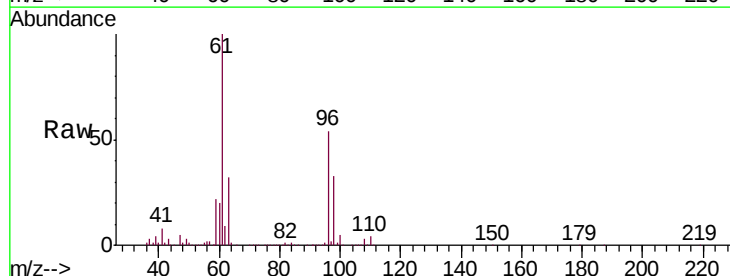
Tgt Ion: 59 Resp: 487547
 Ion Ratio Lower Upper
 59 100
 57 10.0 0.0 0.0#

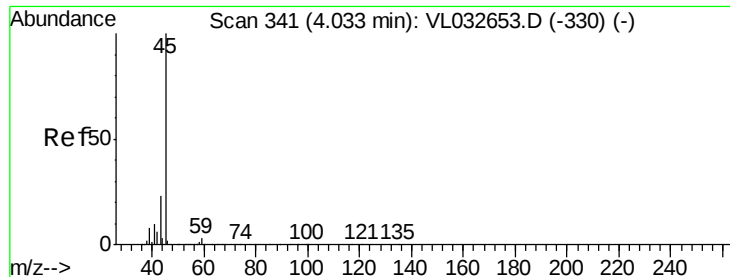


#18

1,1-Dichloroethene
 Concen: 10.175 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 96 Resp: 747613
 Ion Ratio Lower Upper
 96 100
 61 186.5 151.6 227.4
 98 62.3 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.684 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

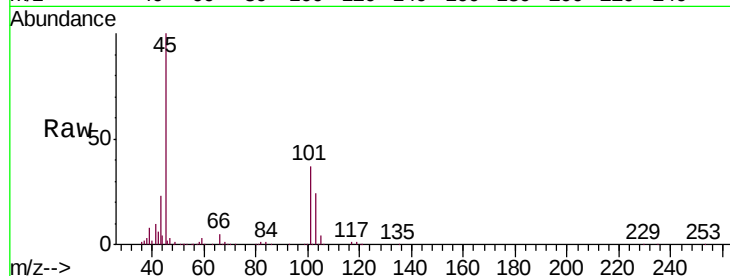
VSTDCCC010EC

Tgt Ion: 45 Resp: 862990

Ion Ratio Lower Upper

45 100

58 1.6 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

500000

400000

300000

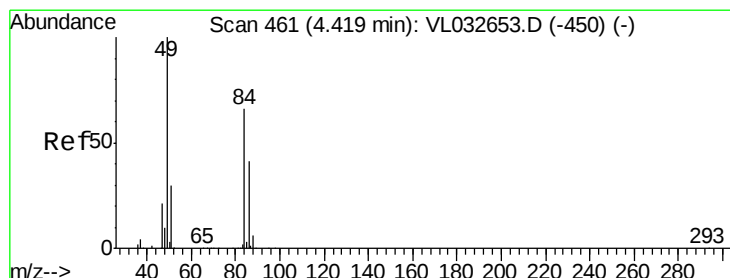
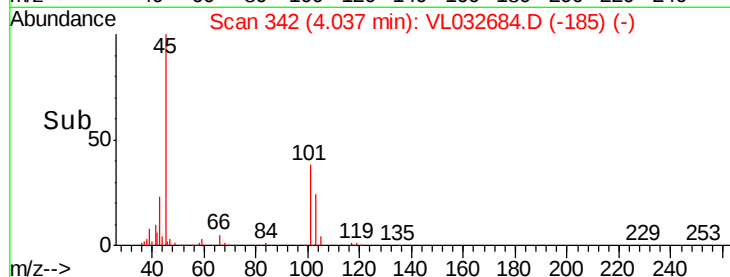
200000

100000

0

Time-->

3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 8.973 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Tgt Ion: 84 Resp: 635590

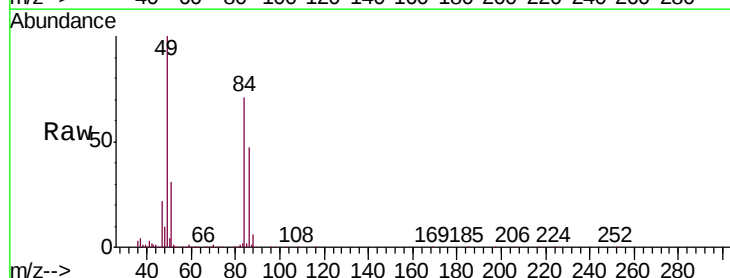
Ion Ratio Lower Upper

84 100

49 140.0 113.5 170.3

51 42.9 34.8 52.2

86 65.8 47.9 71.9



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

800000

600000

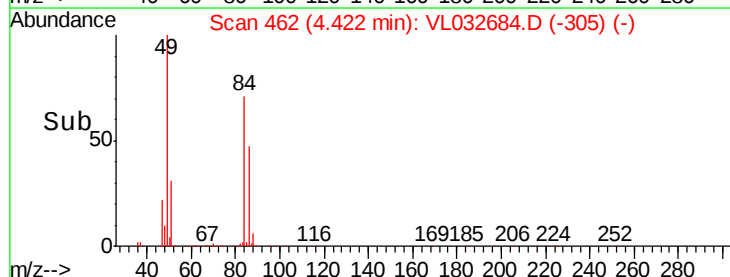
400000

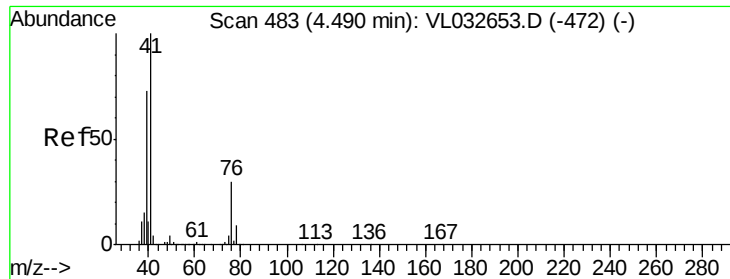
200000

0

Time-->

4.40 4.42 4.45

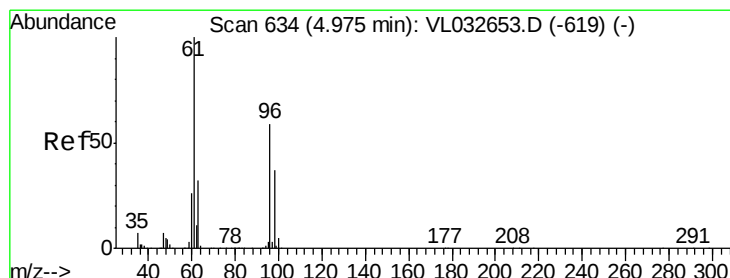
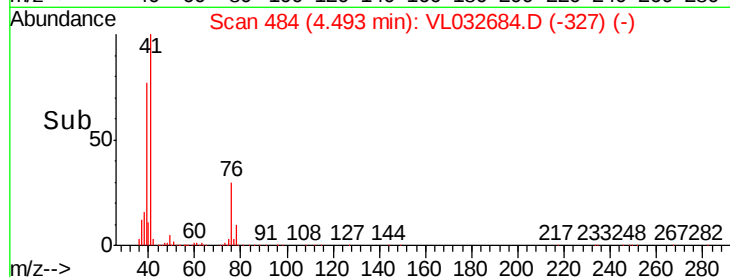
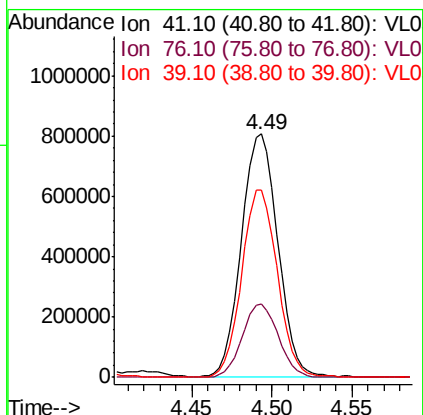
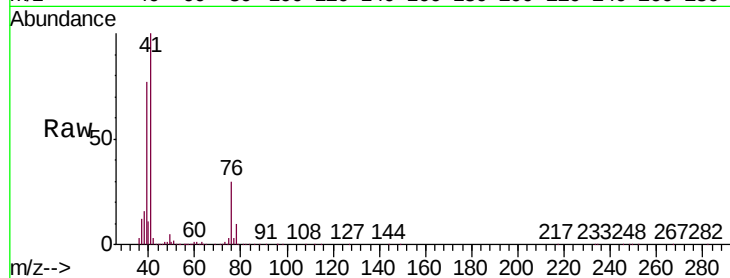




#21
 Allyl Chloride
 Concen: 10.880 ppbv
 RT: 4.49 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

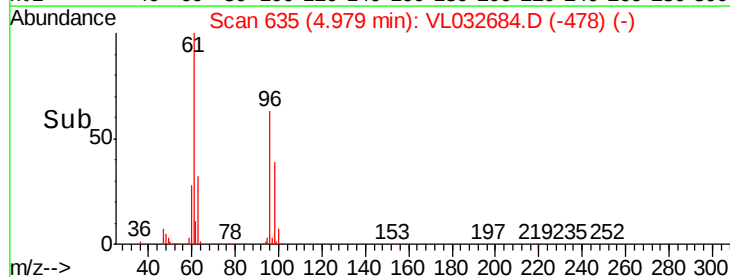
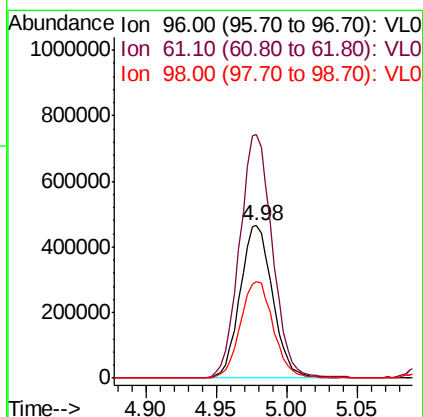
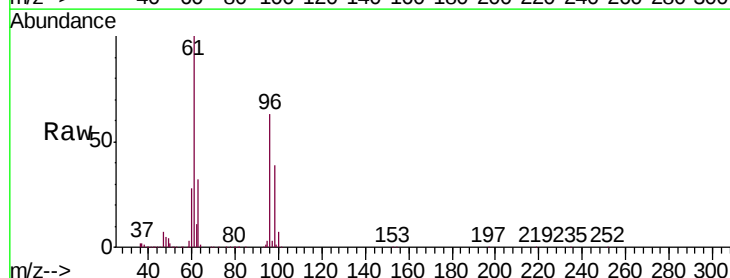
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

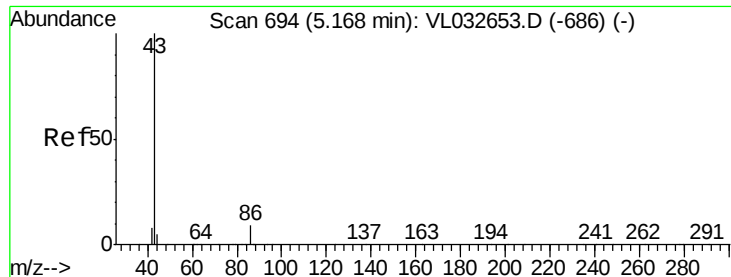
Tgt Ion: 41 Resp: 1246510
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.3 36.5
 39 75.3 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.040 ppbv
 RT: 4.98 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 96 Resp: 756674
 Ion Ratio Lower Upper
 96 100
 61 159.9 140.4 210.6
 98 63.0 55.0 82.6





#23

Vinyl Acetate

Concen: 10.495 ppbv

RT: 5.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2595247

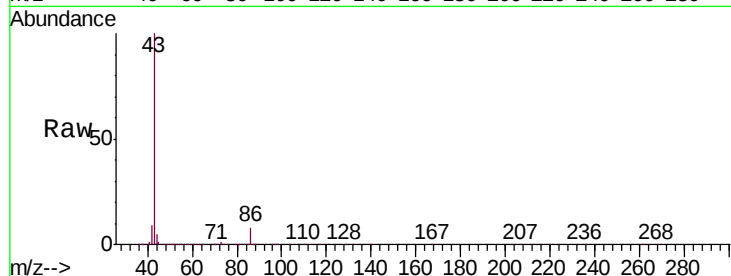
Ion Ratio Lower Upper

43 100

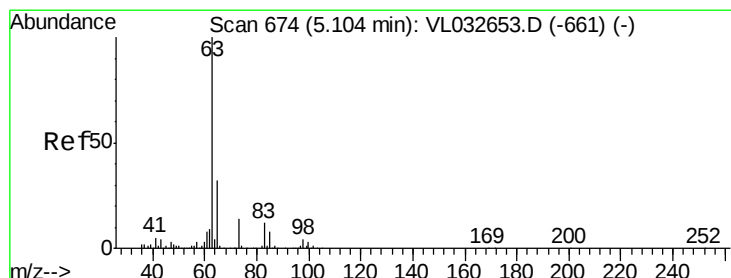
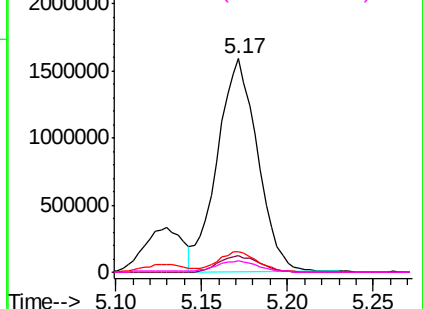
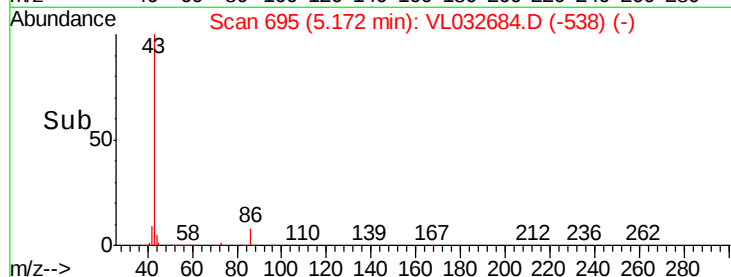
86 7.9 6.1 9.1

42 9.3 7.4 11.2

44 5.3 4.2 6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
2500000
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: 9.718 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

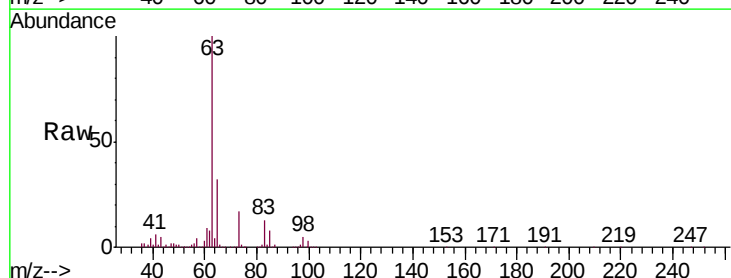
Tgt Ion: 63 Resp: 1886414

Ion Ratio Lower Upper

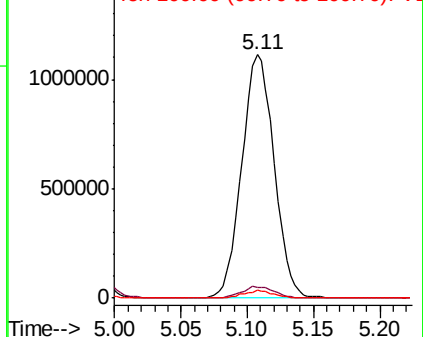
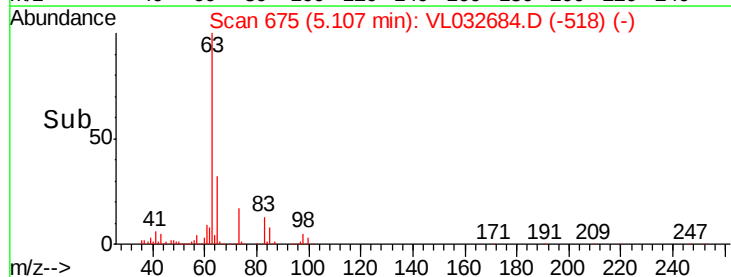
63 100

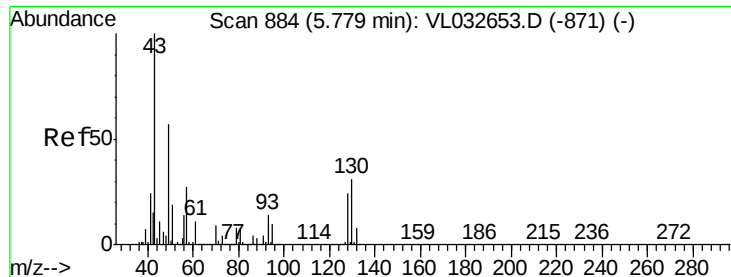
98 4.6 2.1 6.3

100 3.2 1.2 3.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
1500000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



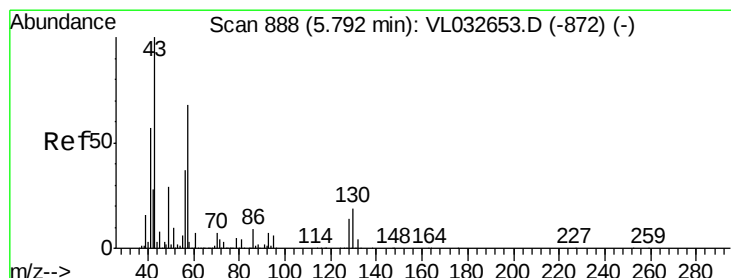
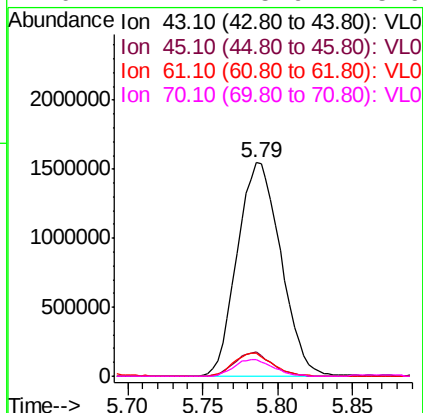
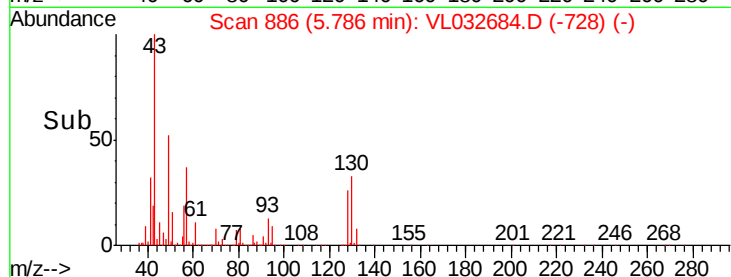
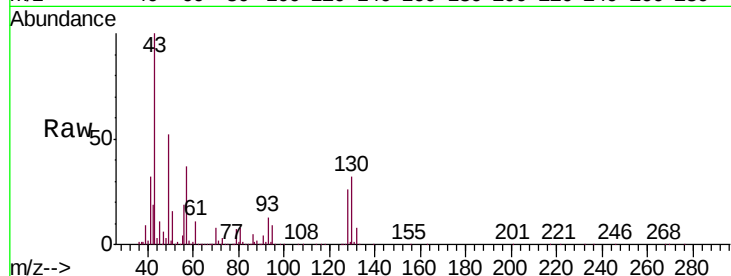


#25
Ethyl Acetate
Concen: 9.781 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3141581

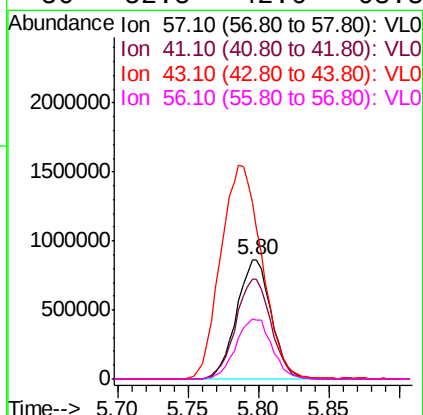
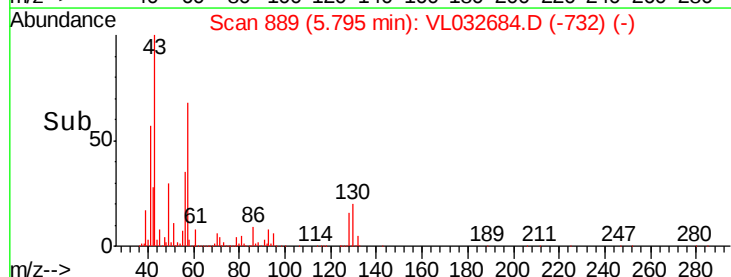
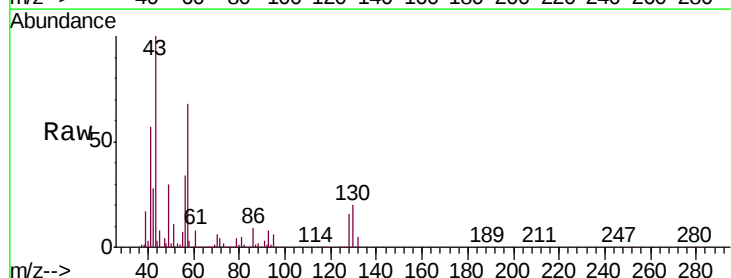
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.6	8.0	12.0
70	7.1	5.9	8.9

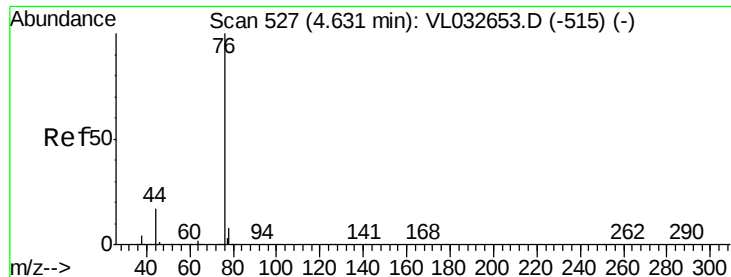


#26
Hexane
Concen: 9.753 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 57 Resp: 1482304

Ion	Ratio	Lower	Upper
57	100		
41	85.9	67.4	101.0
43	212.8	171.9	257.9
56	52.5	42.6	63.8

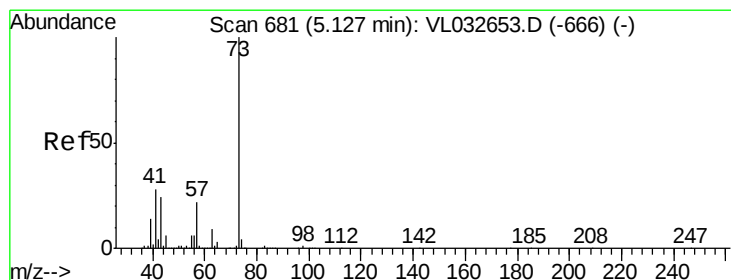
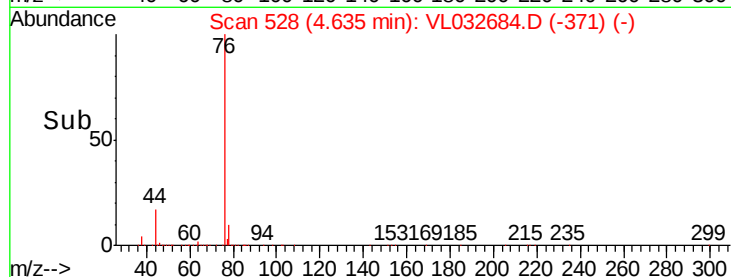
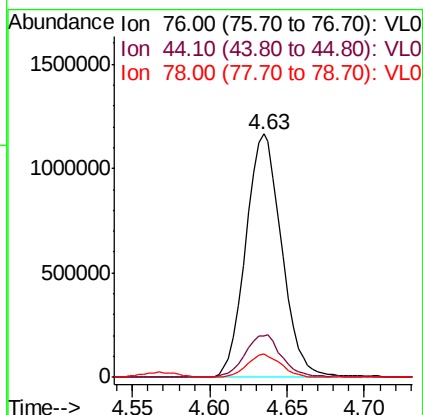
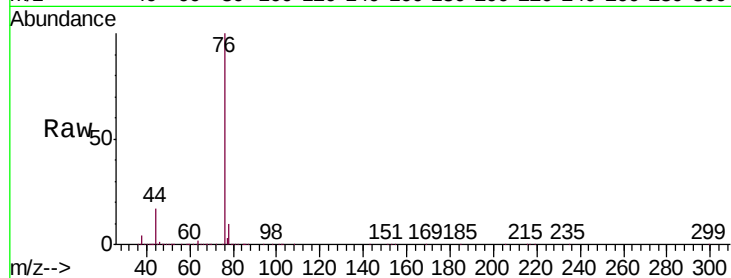




#27
Carbon Disulfide
Concen: 10.197 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

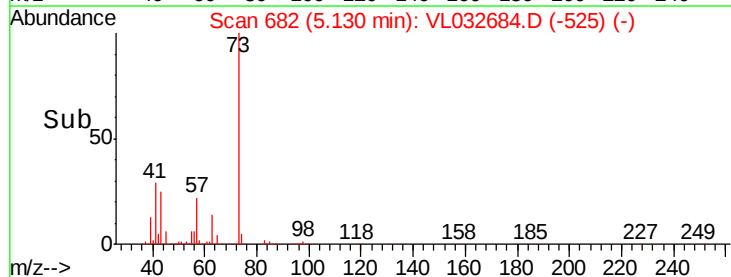
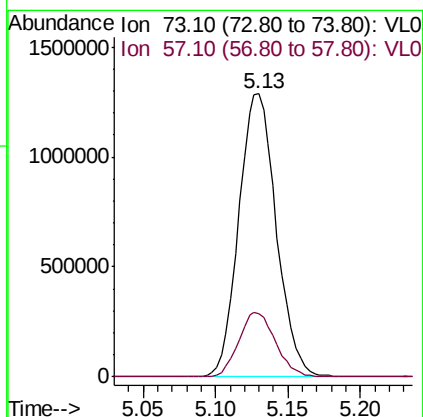
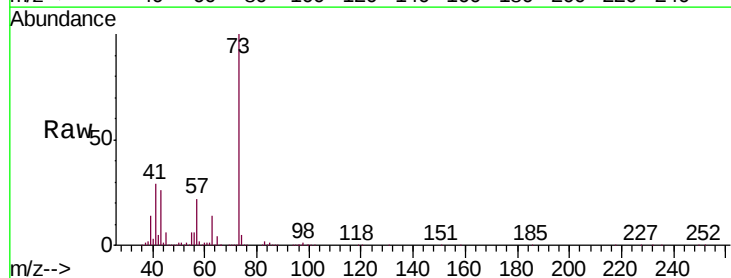
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

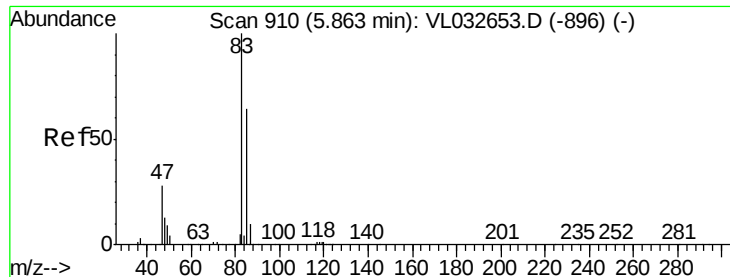
Tgt Ion: 76 Resp: 1880012
Ion Ratio Lower Upper
76 100
44 17.4 13.7 20.5
78 9.1 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 10.593 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 73 Resp: 2313795
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0





#29

Chloroform

Concen: 9.645 ppbv

RT: 5.87 min Scan# 911

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

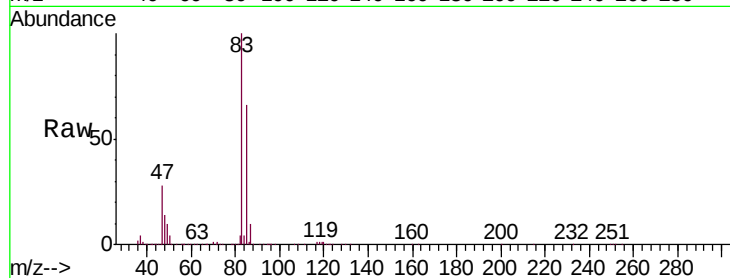
VSTDCCC010EC

Tgt Ion: 83 Resp: 2341366

Ion Ratio Lower Upper

83 100

85 65.9 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1500000

1000000

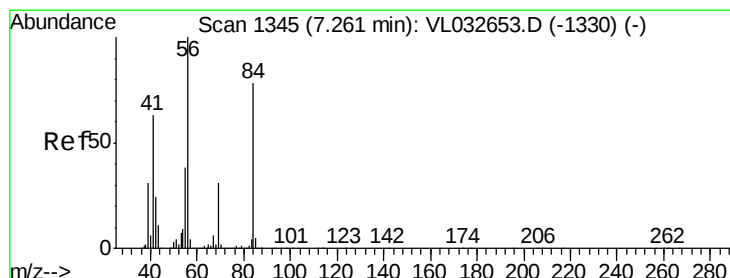
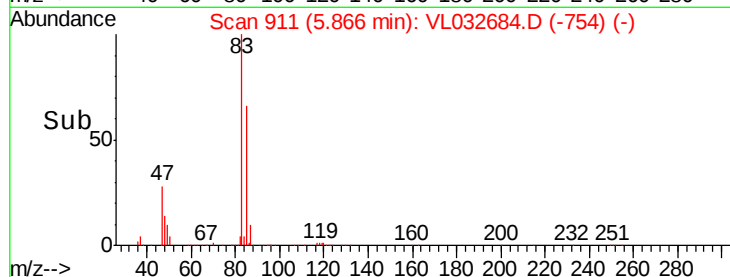
500000

0

5.87

5.80 5.85 5.90 5.95

Time-->



#30

Cyclohexane

Concen: 10.794 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

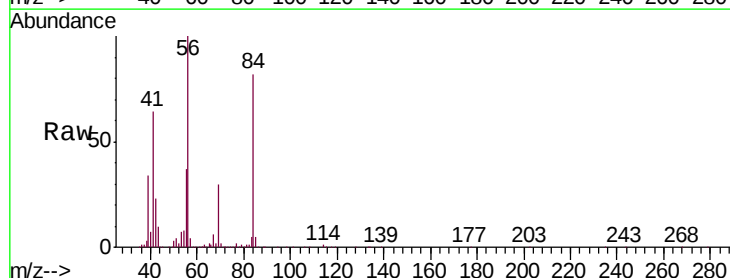
Tgt Ion: 84 Resp: 1298472

Ion Ratio Lower Upper

84 100

56 132.7 108.3 162.5

41 80.4 64.8 97.2



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

1000000

800000

600000

400000

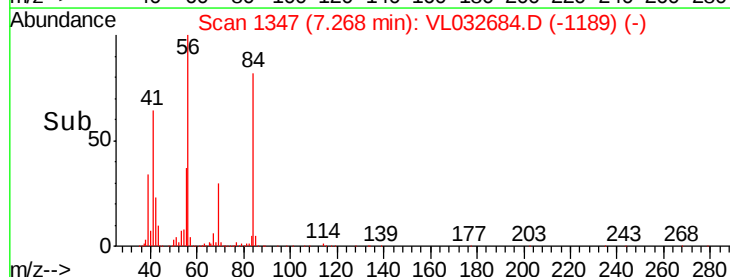
200000

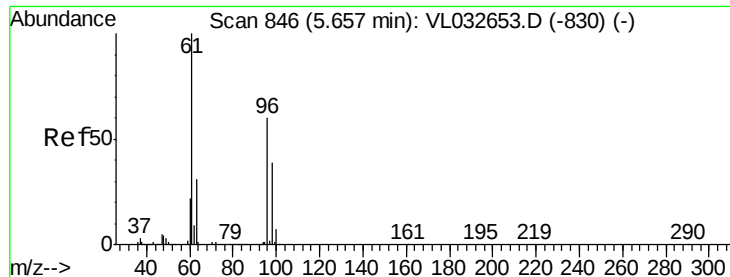
0

7.27

7.20 7.25 7.30 7.35

Time-->



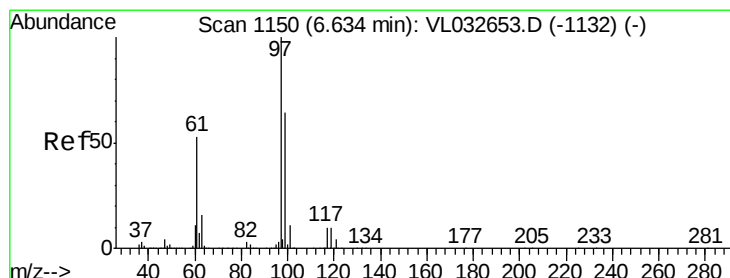
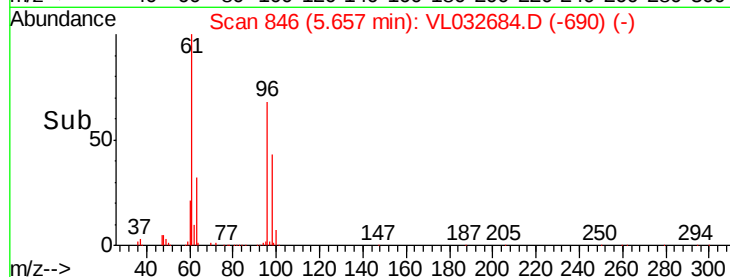
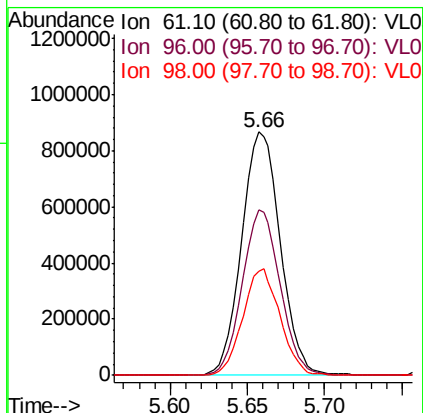
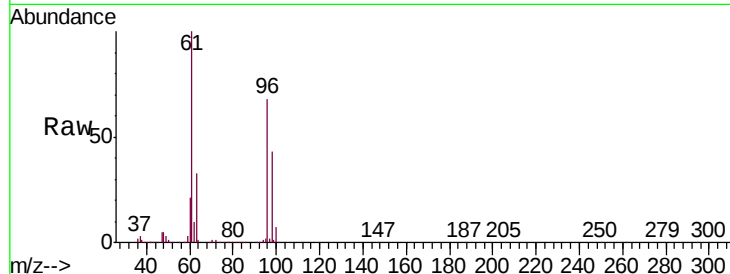


#31

cis-1,2-Dichloroethene
Concen: 10.716 ppbv
RT: 5.66 min Scan# 846
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

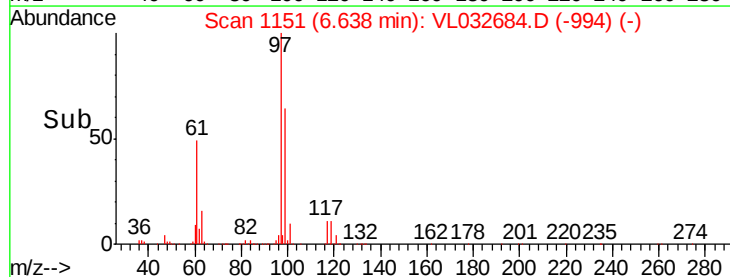
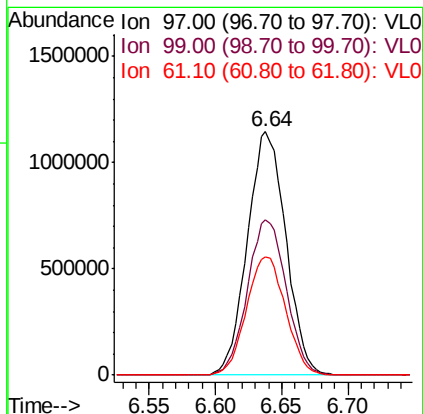
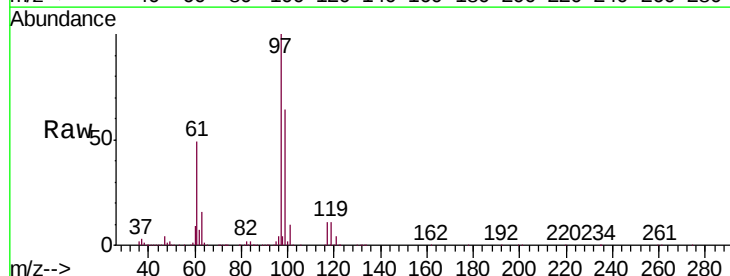
Tgt Ion: 61 Resp: 1510054
Ion Ratio Lower Upper
61 100
96 68.0 51.8 77.6
98 43.0 33.8 50.6

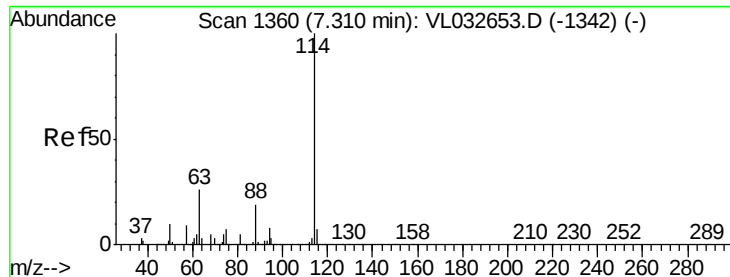


#32

1,1,1-Trichloroethane
Concen: 9.394 ppbv
RT: 6.64 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 97 Resp: 2317555
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 49.7 40.7 61.1

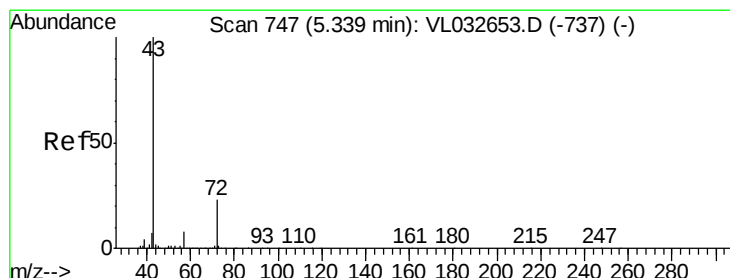
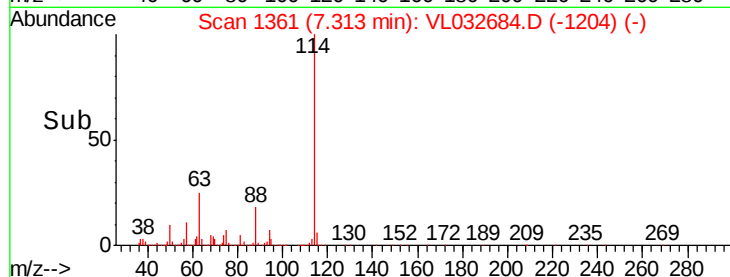
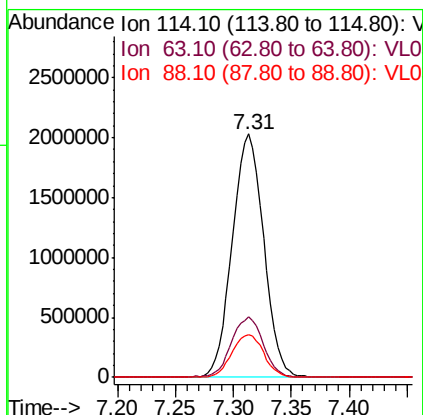
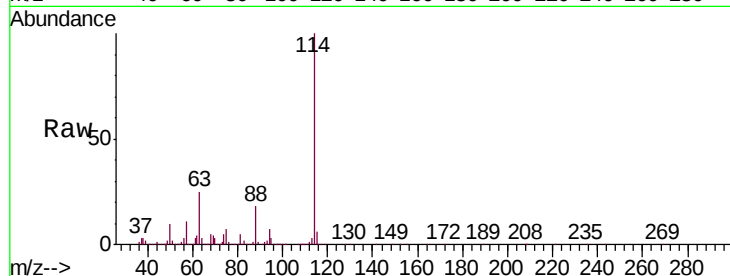




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

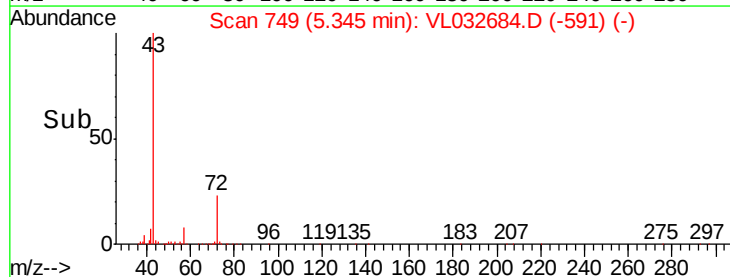
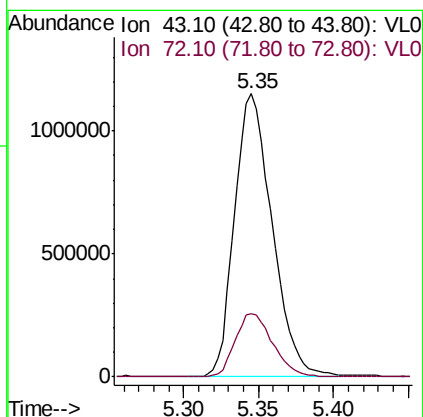
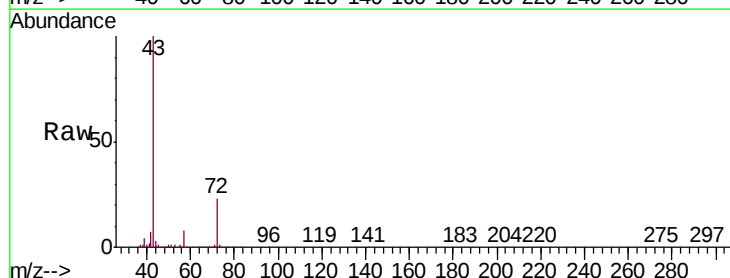
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

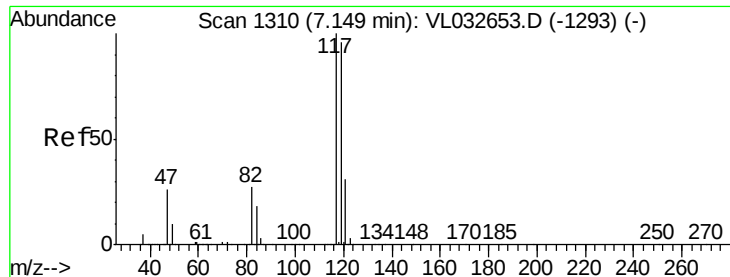
Tgt Ion:114 Resp: 3824524
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.7 32.5
 88 17.8 14.9 22.3



#34
 2-Butanone
 Concen: 9.817 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 43 Resp: 2012642
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.212 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

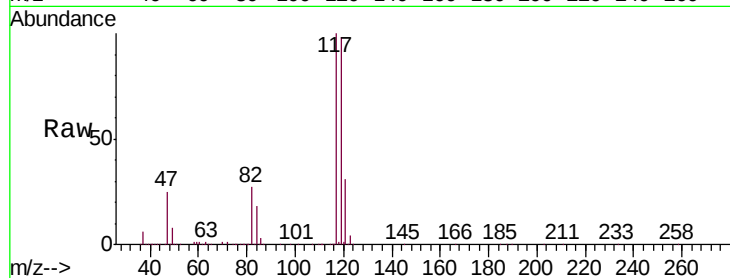
Tgt Ion:117 Resp: 2500361

Ion Ratio Lower Upper

117 100

119 98.1 75.7 113.5

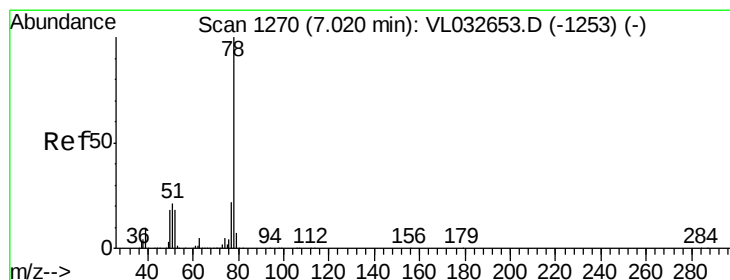
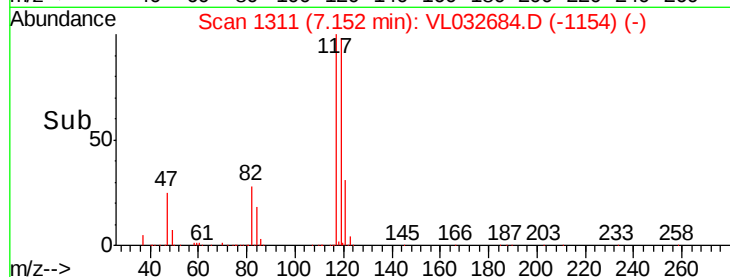
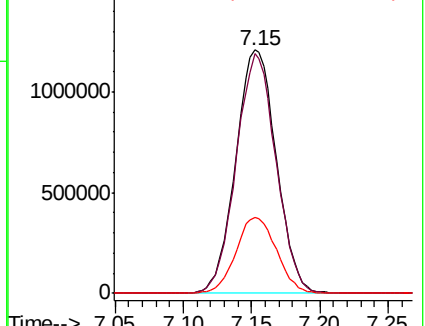
121 31.0 24.7 37.1



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: 9.834 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

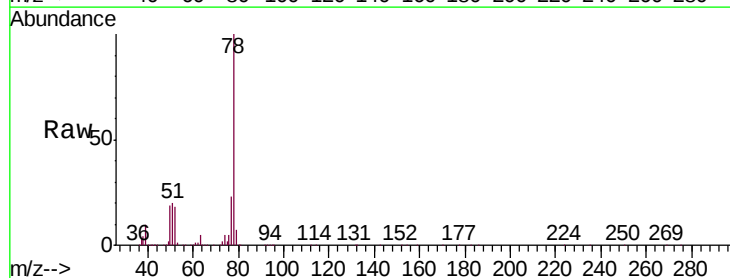
Tgt Ion: 78 Resp: 3054012

Ion Ratio Lower Upper

78 100

77 22.9 18.1 27.1

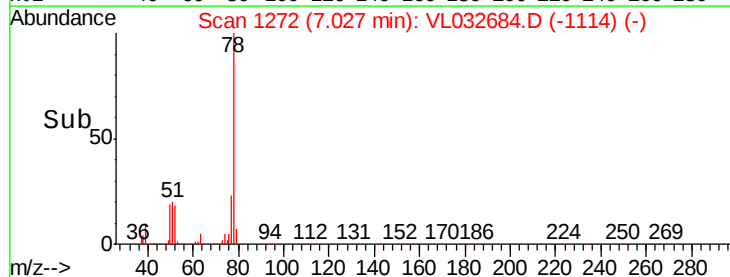
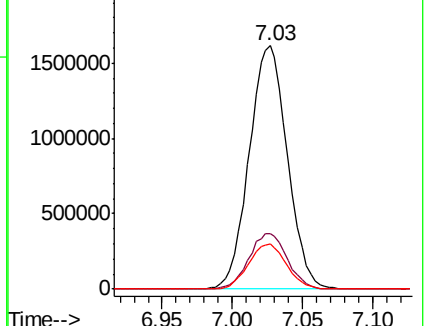
50 18.7 15.1 22.7

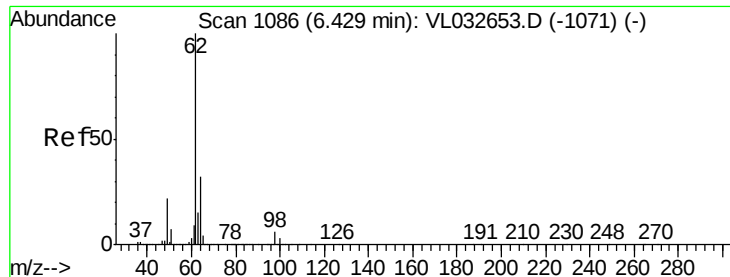


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

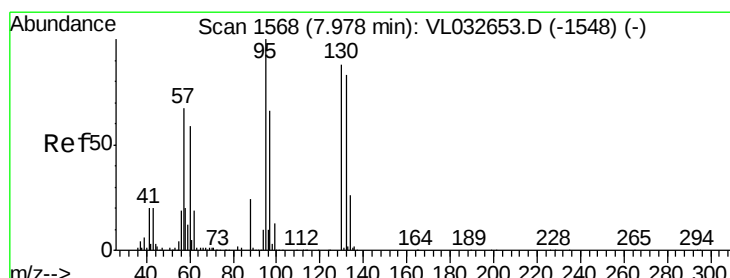
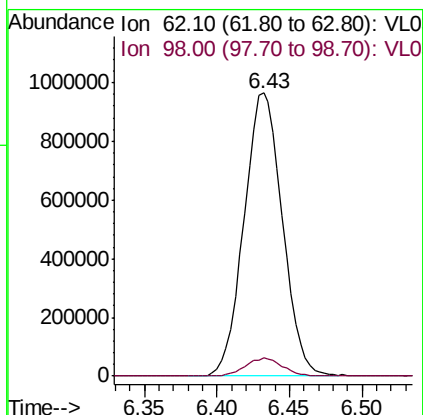
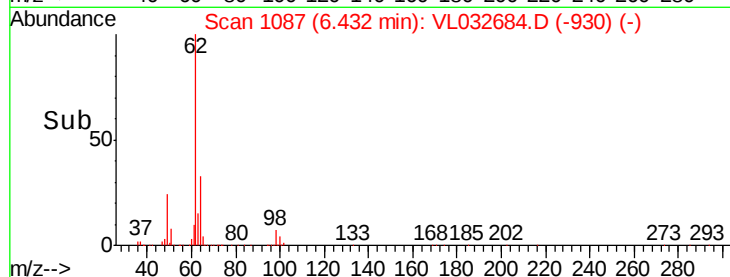
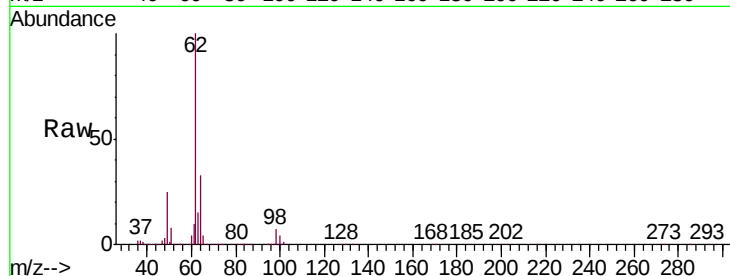




#37
 1,2-Dichloroethane
 Concen: 9.325 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

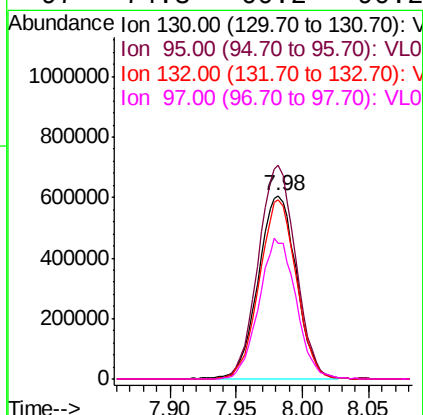
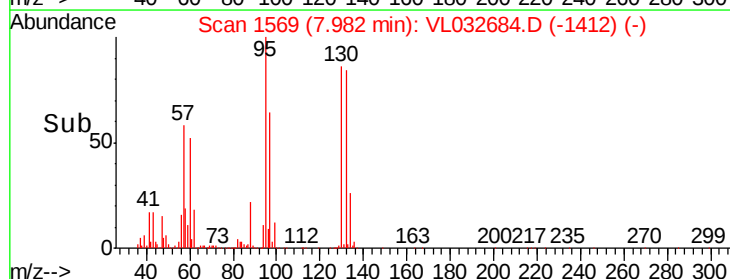
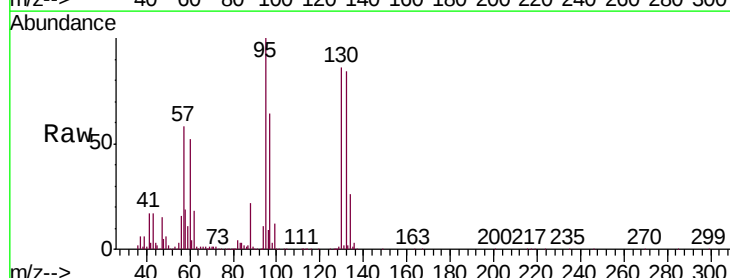
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

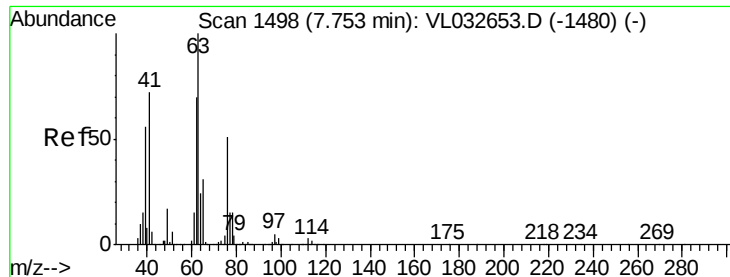
Tgt Ion: 62 Resp: 1776318
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.4 6.6



#38
 Trichloroethene
 Concen: 10.528 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 130 Resp: 1210394
 Ion Ratio Lower Upper
 130 100
 95 116.6 93.4 140.0
 132 97.8 76.5 114.7
 97 74.3 60.2 90.2





#39

1,2-Dichloropropane

Concen: 9.880 ppbv

RT: 7.76 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

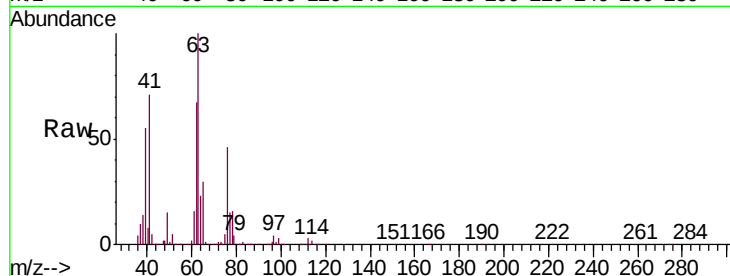
Tgt Ion: 63 Resp: 1184850

Ion Ratio Lower Upper

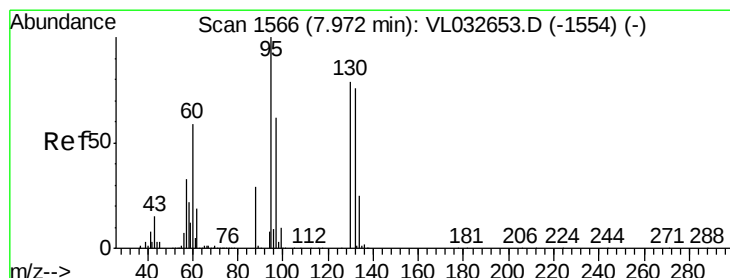
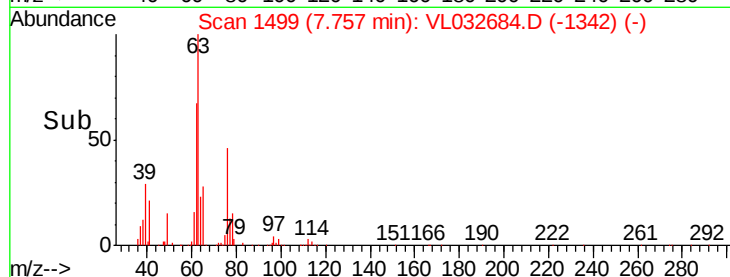
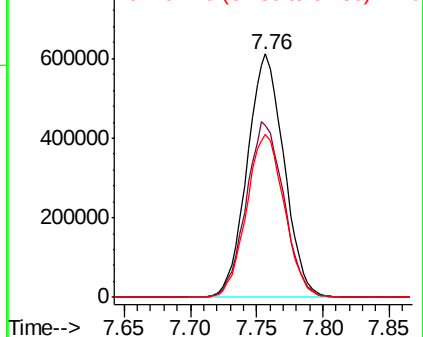
63 100

41 70.7 56.2 84.4

62 66.9 54.4 81.6



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: 9.808 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Tgt Ion: 88 Resp: 401741

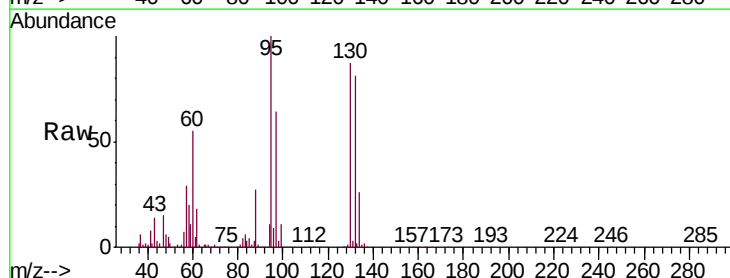
Ion Ratio Lower Upper

88 100

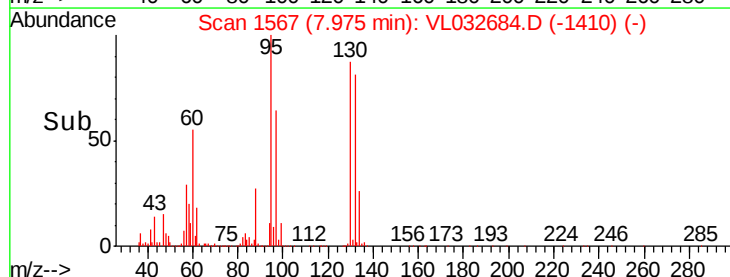
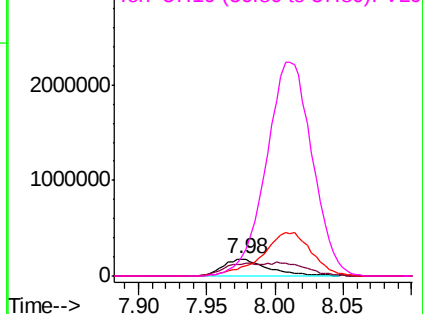
58 133.9 104.0 156.0

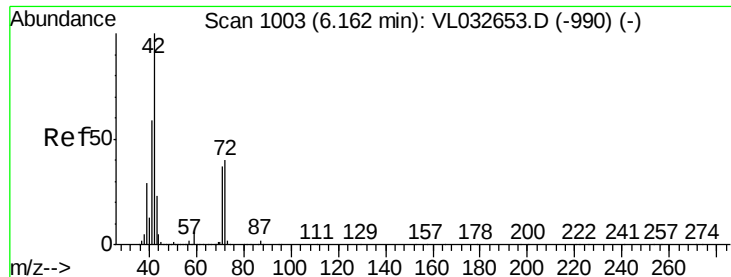
43 283.9 0.0 0.0#

57 1311.7 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

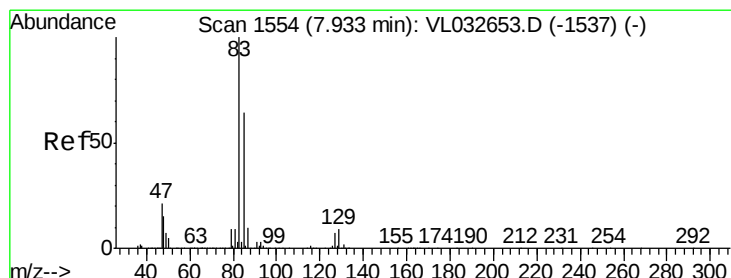
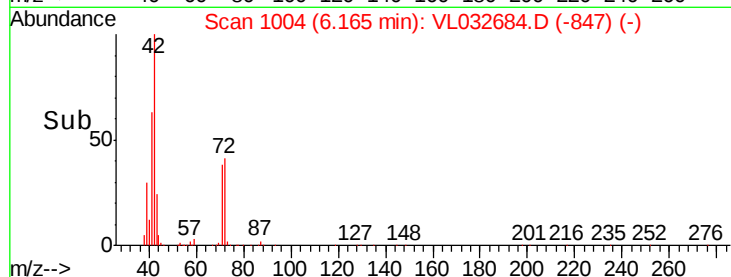
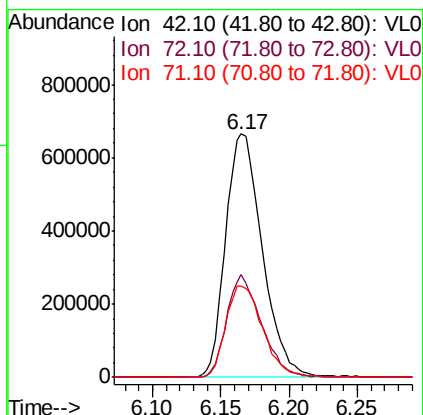
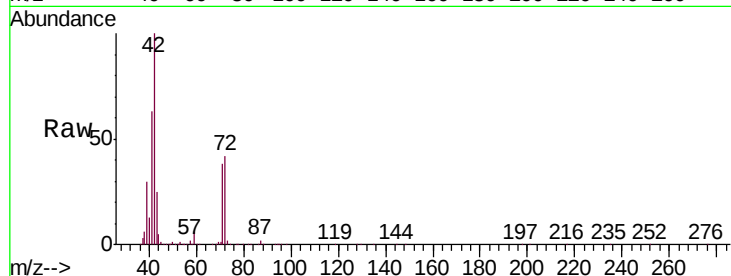




#41
Tetrahydrofuran
Concen: 10.894 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

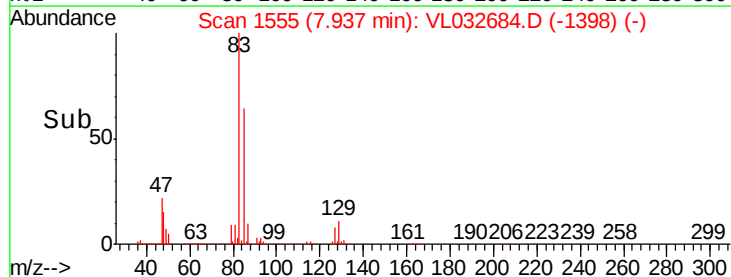
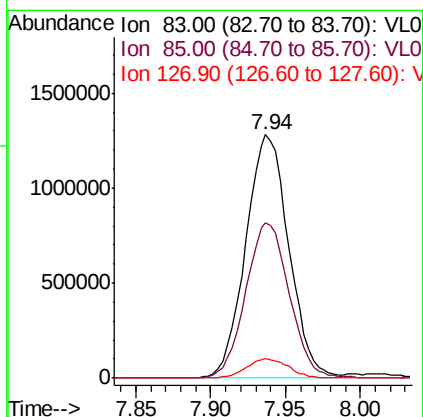
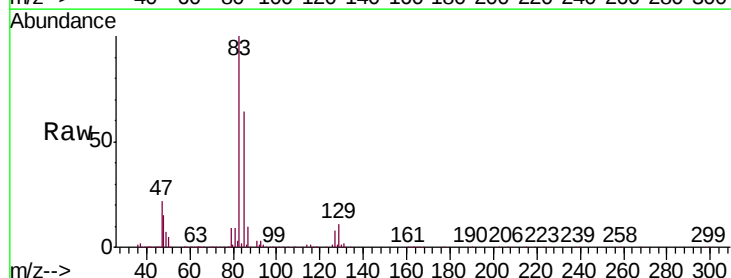
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

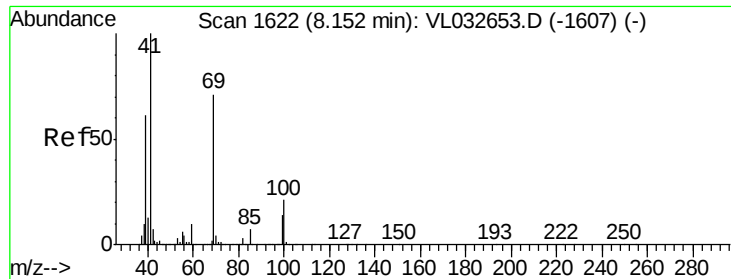
Tgt Ion: 42 Resp: 1244591
Ion Ratio Lower Upper
42 100
72 39.9 32.4 48.6
71 37.9 31.3 46.9



#42
Bromodichloromethane
Concen: 9.611 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 83 Resp: 2565194
Ion Ratio Lower Upper
83 100
85 64.0 52.4 78.6
127 8.0 6.1 9.1

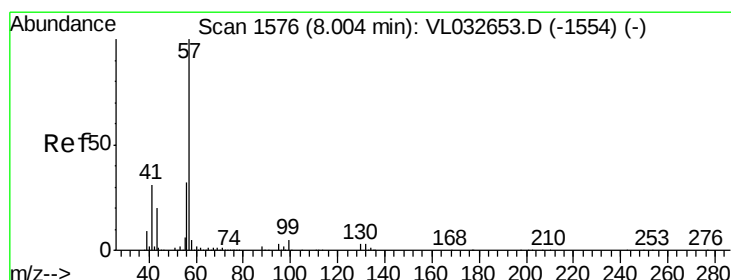
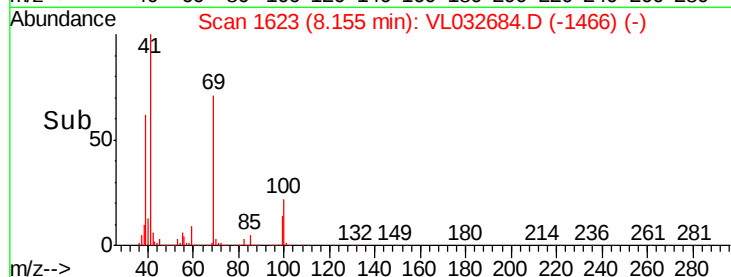
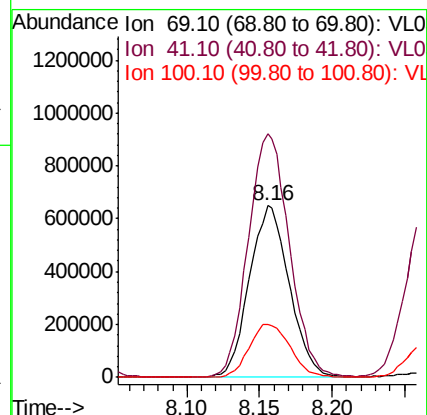
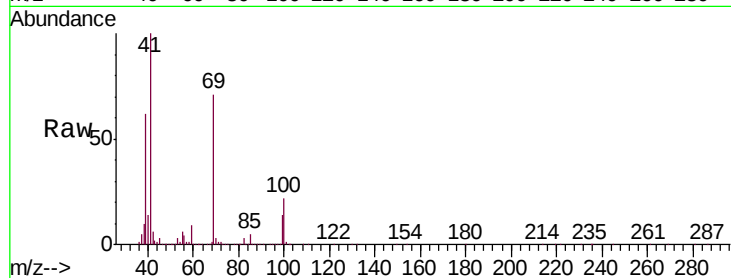




#43
Methyl Methacrylate
Concen: 10.942 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

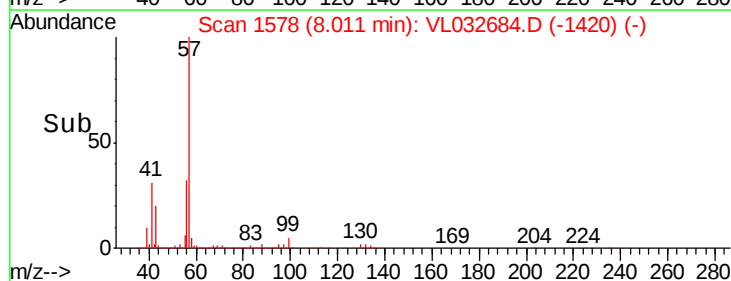
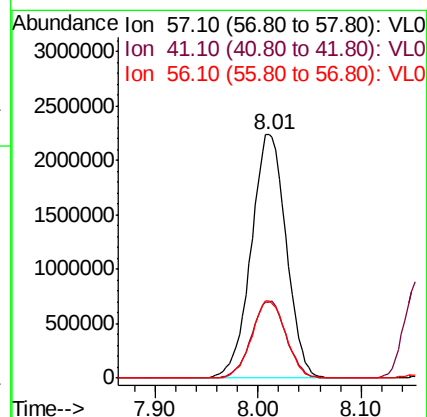
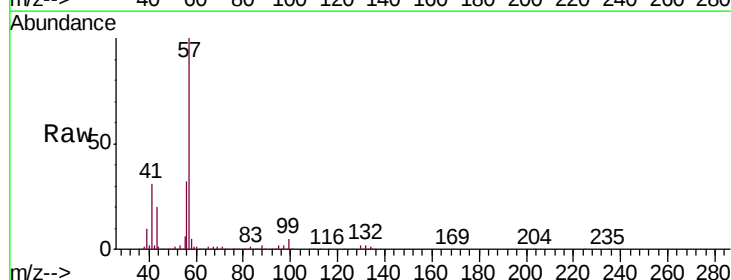
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

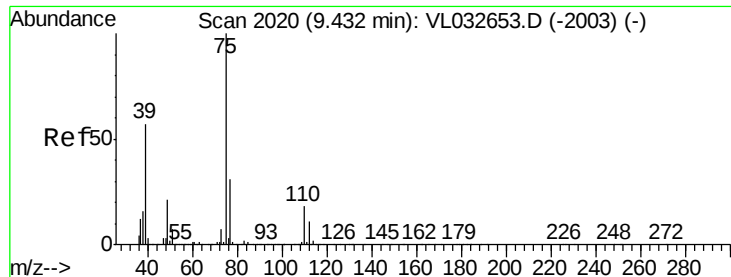
Tgt Ion: 69 Resp: 1245426
Ion Ratio Lower Upper
69 100
41 145.9 113.2 169.8
100 31.8 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.923 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 57 Resp: 5261143
Ion Ratio Lower Upper
57 100
41 31.4 24.7 37.1
56 31.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.968 ppbv

RT: 9.44 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

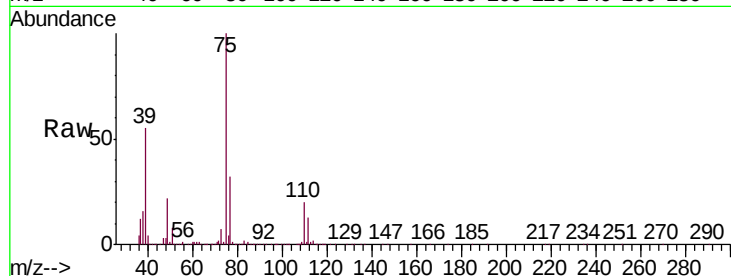
VSTDCCC010EC

Tgt Ion: 75 Resp: 1823498

Ion Ratio Lower Upper

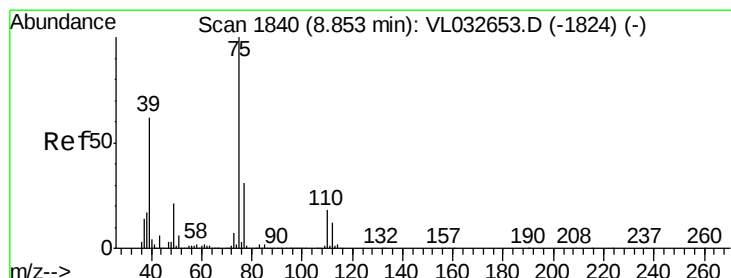
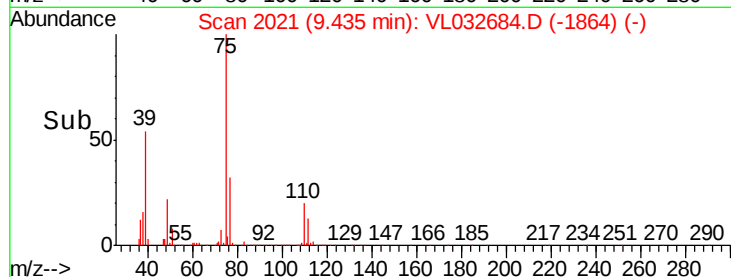
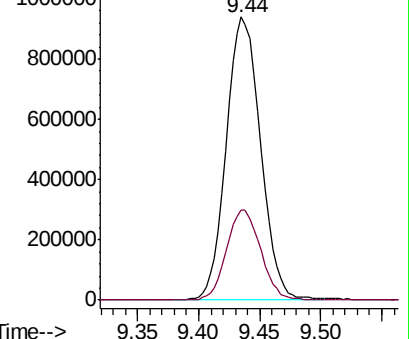
75 100

77 32.0 25.3 37.9



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: 11.075 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

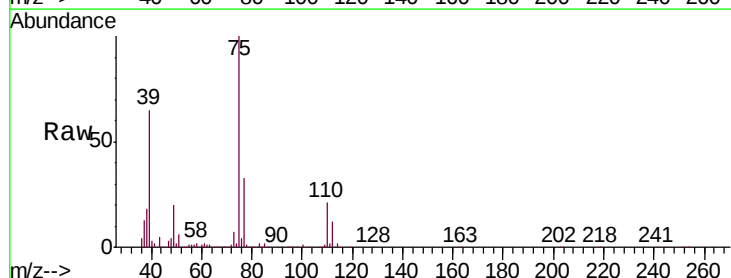
Tgt Ion: 75 Resp: 1927837

Ion Ratio Lower Upper

75 100

39 64.8 50.9 76.3

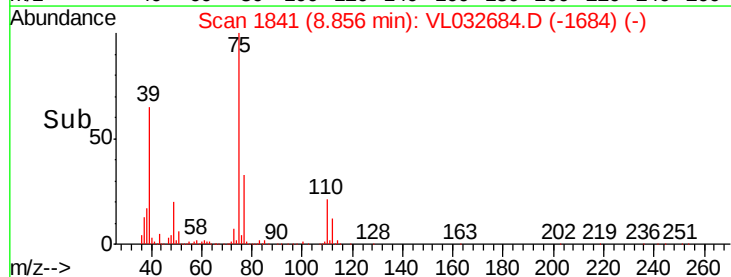
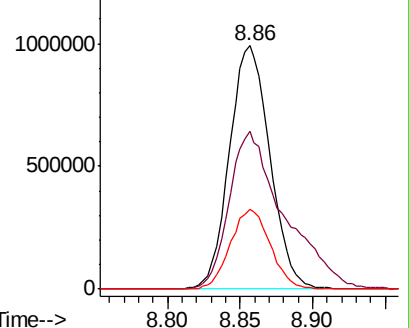
77 32.6 25.8 38.6

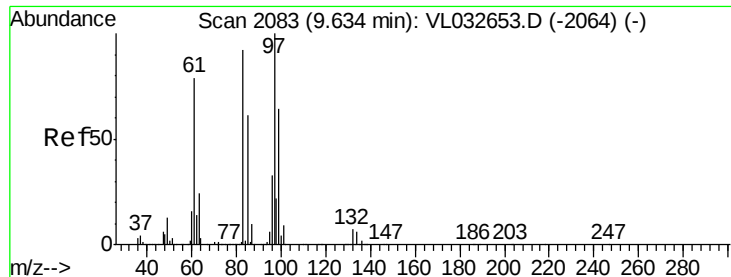


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.882 ppbv

RT: 9.64 min Scan# 2084

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1400415

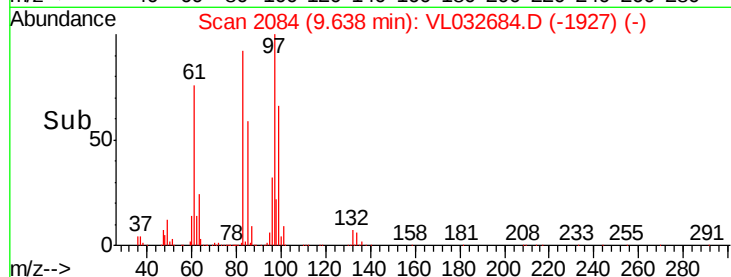
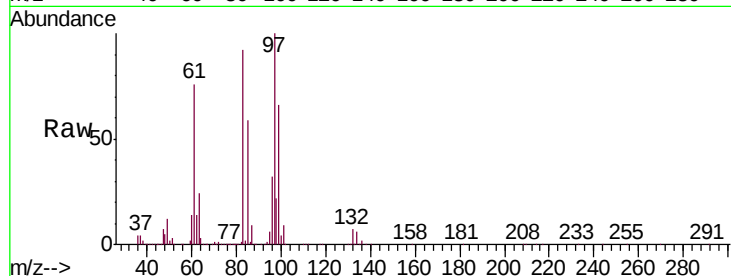
Ion Ratio Lower Upper

97 100

83 92.0 73.5 110.3

85 58.6 45.8 68.6

99 65.7 50.6 75.8

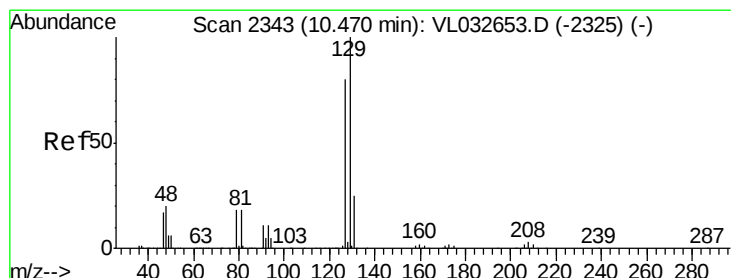
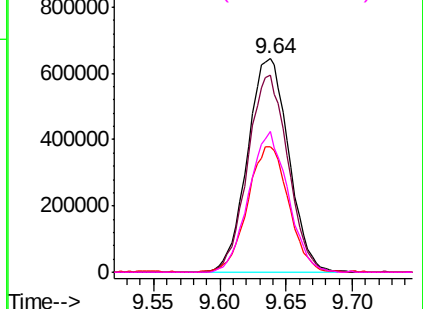


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.640 ppbv

RT: 10.47 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VL032684.D

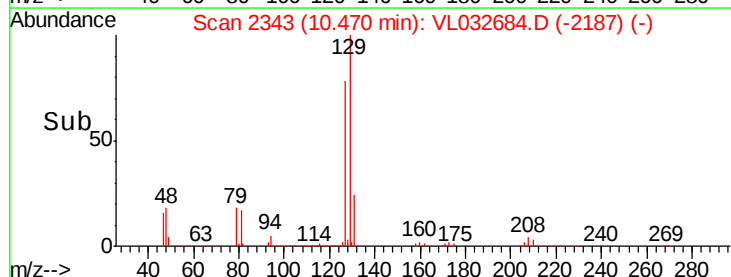
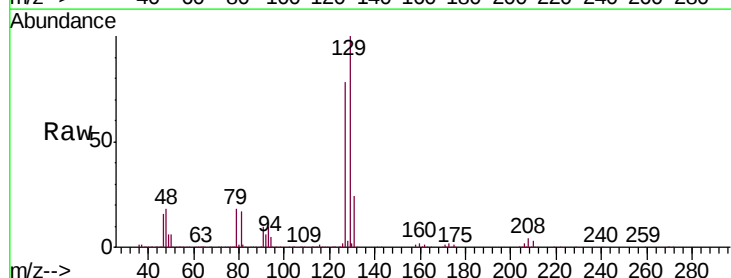
Acq: 19 Oct 2018 14:55

Tgt Ion: 129 Resp: 2277012

Ion Ratio Lower Upper

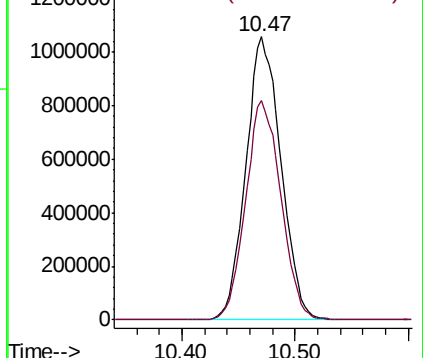
129 100

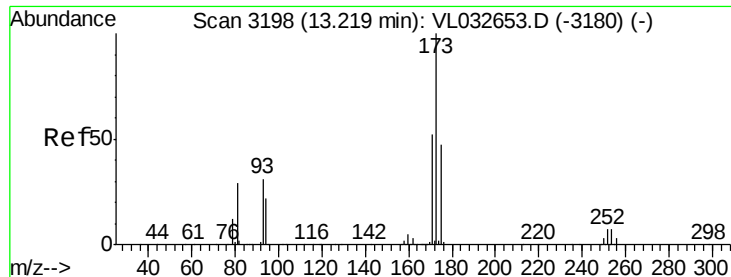
127 78.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.905 ppbv

RT: 13.22 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

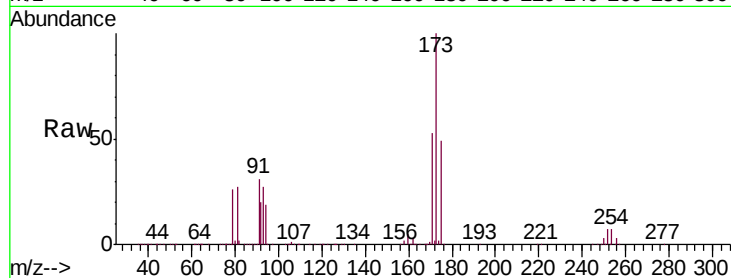
Tgt Ion:173 Resp: 1838467

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

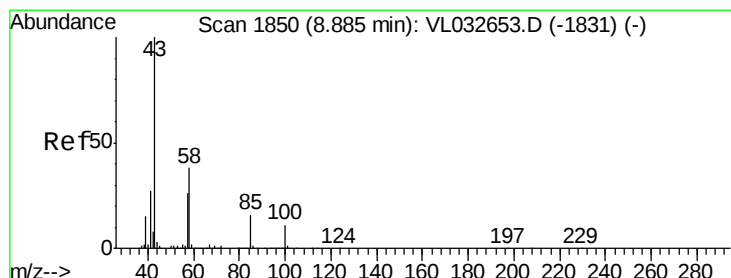
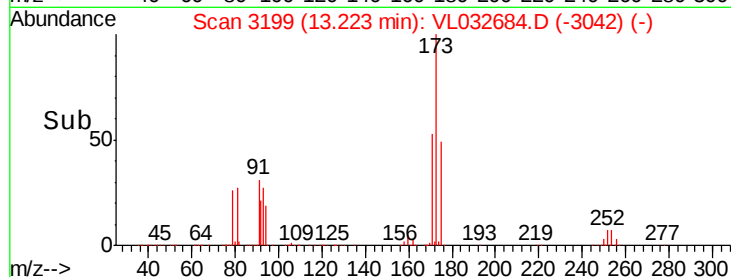
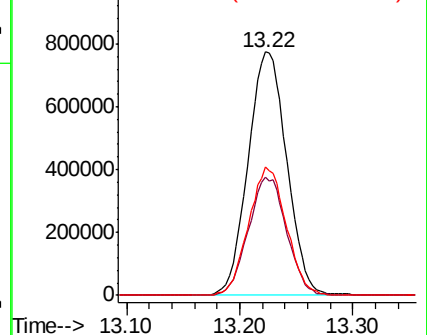
171 51.2 42.2 63.2



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: 10.042 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL032684.D

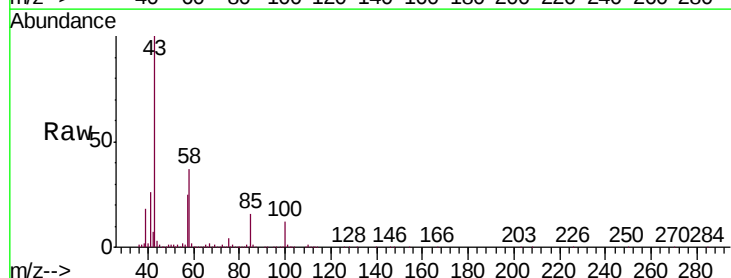
Acq: 19 Oct 2018 14:55

Tgt Ion: 43 Resp: 3049992

Ion Ratio Lower Upper

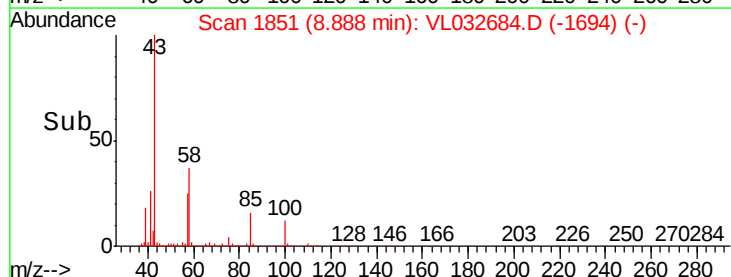
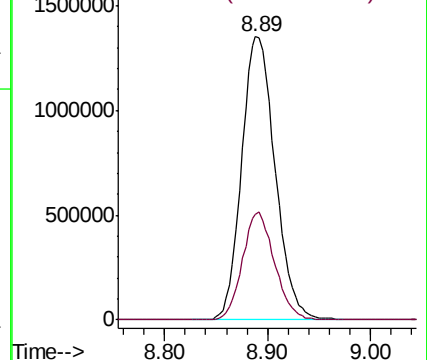
43 100

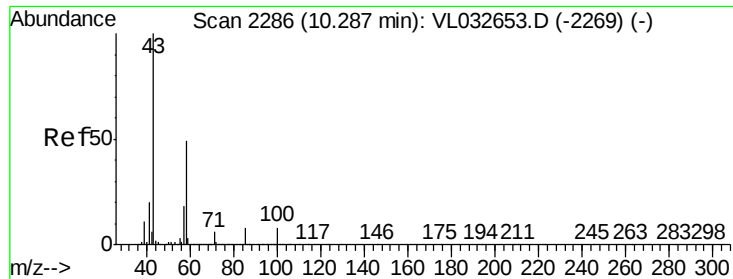
58 36.5 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.375 ppbv

RT: 10.29 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

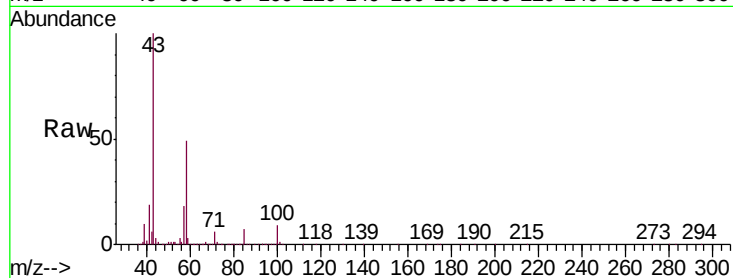
Tgt Ion: 43 Resp: 2568254

Ion Ratio Lower Upper

43 100

58 48.8 40.4 60.6

98 0.4 0.4 0.6

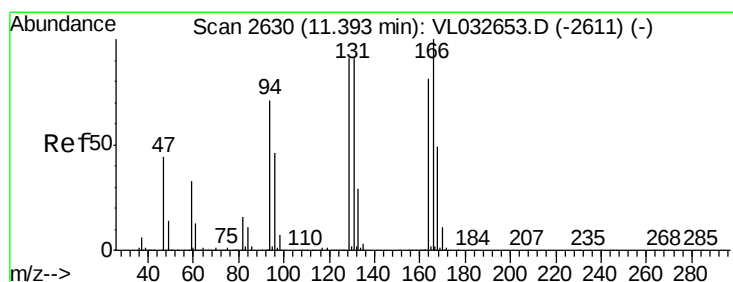
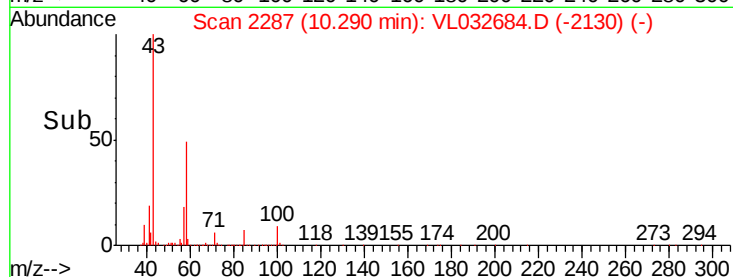
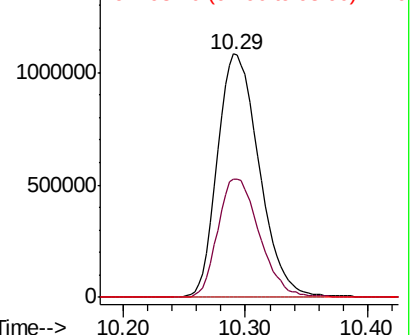


Abundance

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: 10.762 ppbv

RT: 11.40 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Tgt Ion: 164 Resp: 1165236

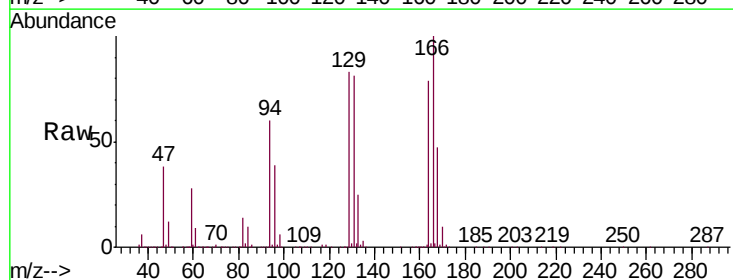
Ion Ratio Lower Upper

164 100

166 126.3 100.5 150.7

129 105.5 90.0 135.0

131 102.2 86.6 129.8



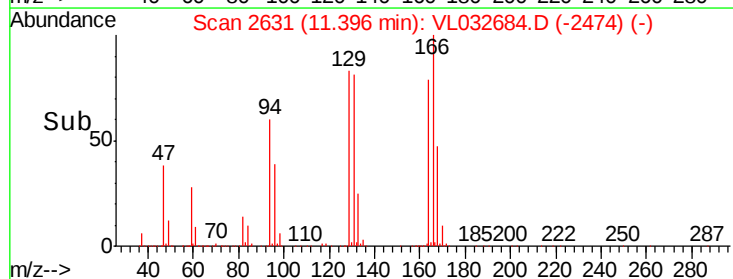
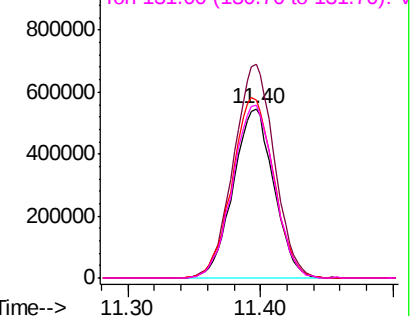
Abundance

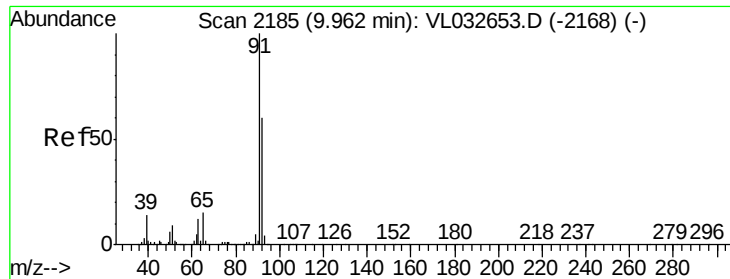
Ion 163.90 (163.60 to 164.60): V

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: 11.006 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

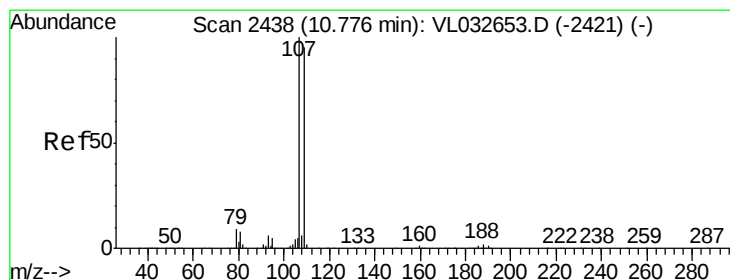
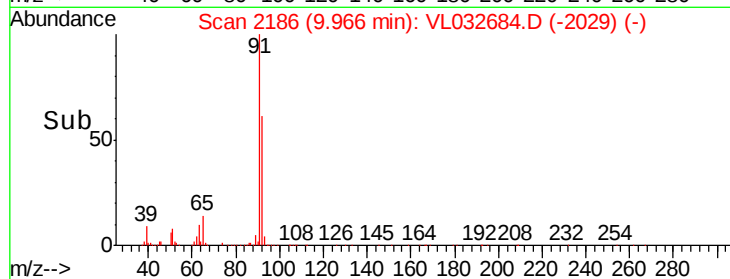
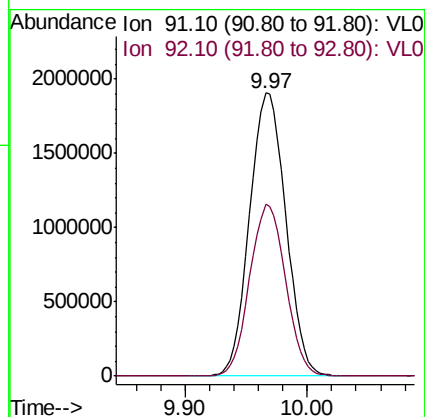
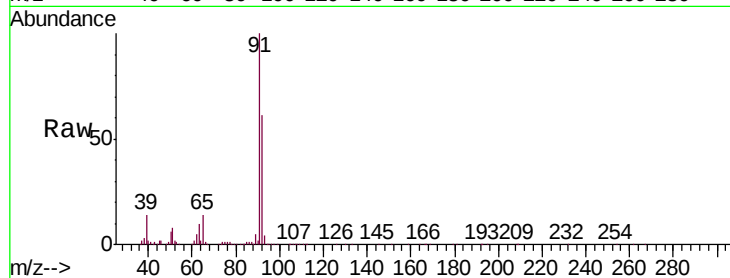
VSTDCCC010EC

Tgt Ion: 91 Resp: 3918082

Ion Ratio Lower Upper

91 100

92 60.1 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.825 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032684.D

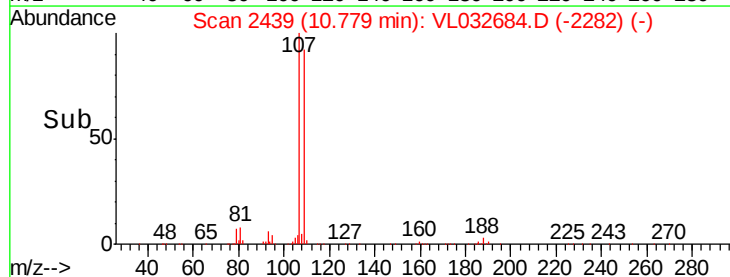
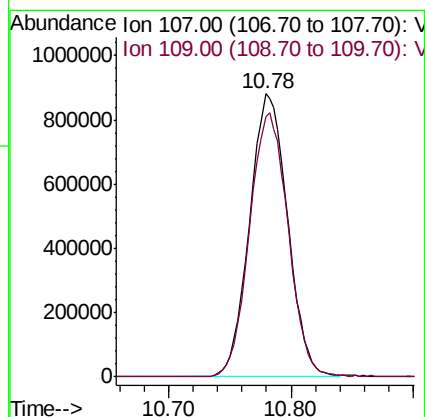
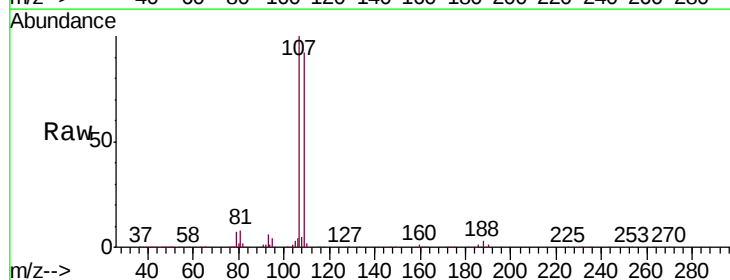
Acq: 19 Oct 2018 14:55

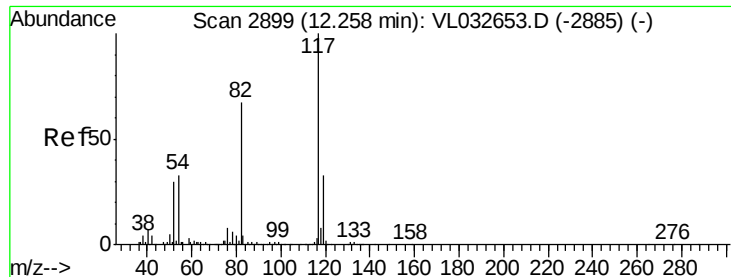
Tgt Ion: 107 Resp: 1892316

Ion Ratio Lower Upper

107 100

109 91.8 75.3 112.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

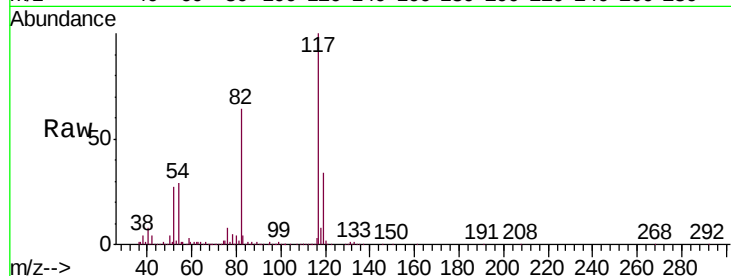
Tgt Ion:117 Resp: 4732356

Ion Ratio Lower Upper

117 100

82 51.8 52.7 79.1#

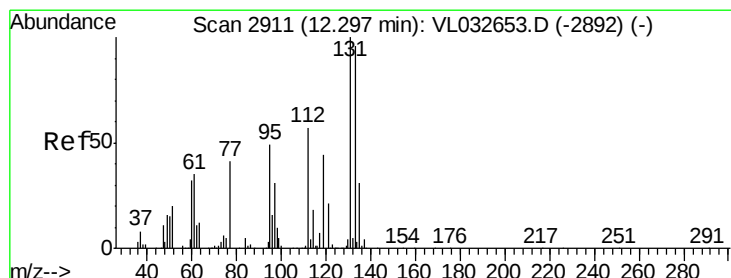
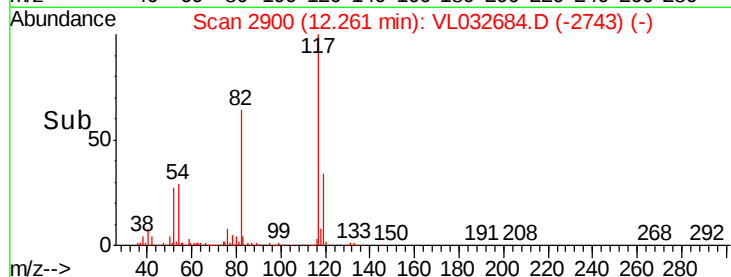
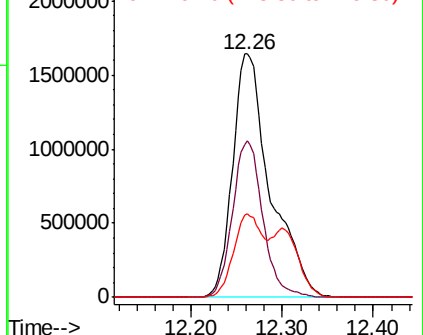
119 26.7 26.7 40.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.574 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

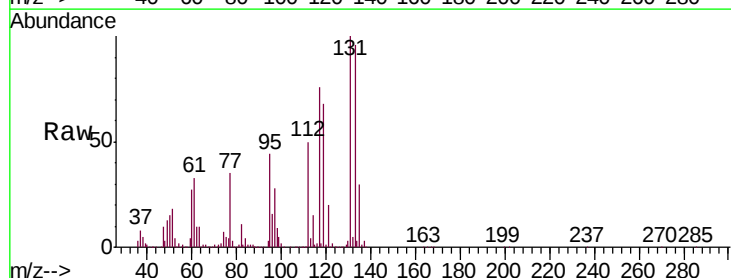
Tgt Ion:131 Resp: 1567313

Ion Ratio Lower Upper

131 100

133 95.9 75.4 113.2

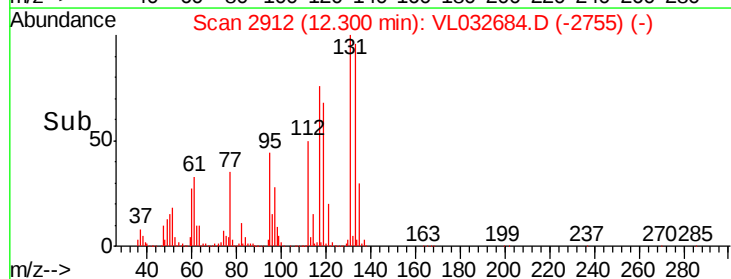
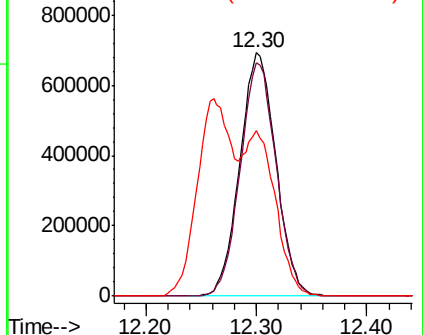
119 65.1 49.1 73.7

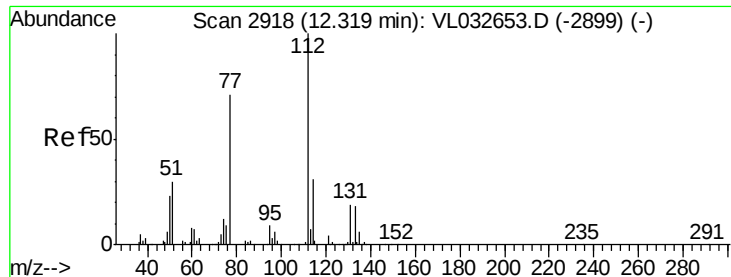


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

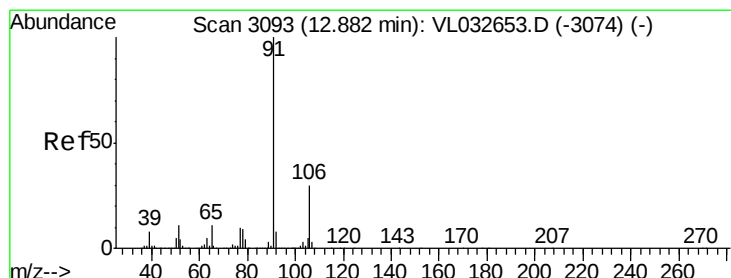
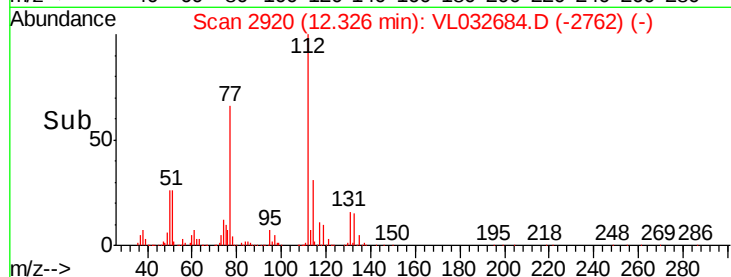
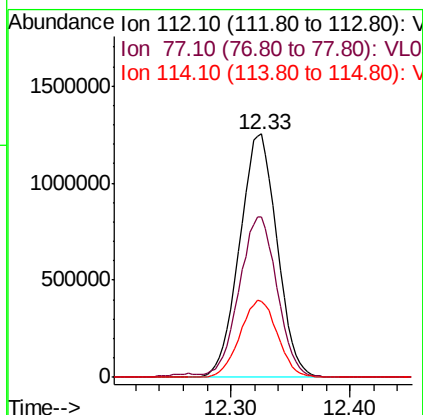
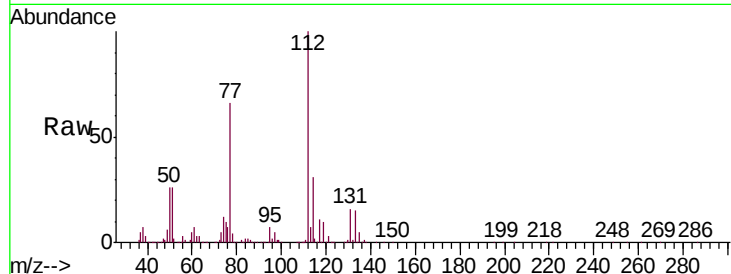




#57
Chlorobenzene
Concen: 7.840 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

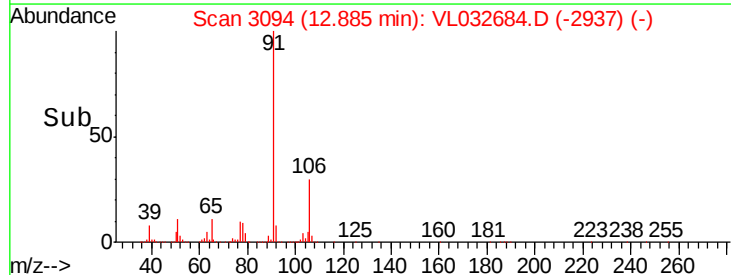
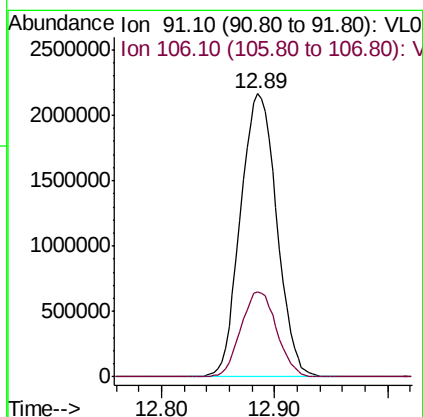
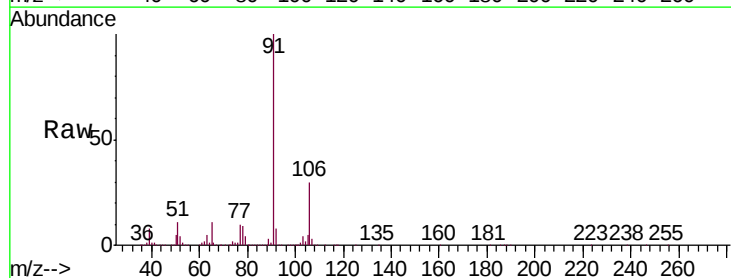
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

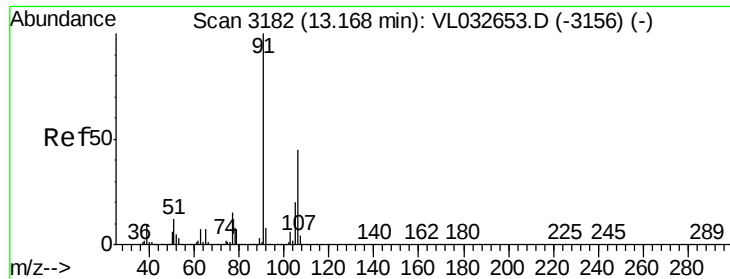
Tgt Ion: 112 Resp: 2728470
Ion Ratio Lower Upper
112 100
77 65.9 56.8 85.2
114 31.0 30.3 37.1



#58
Ethyl Benzene
Concen: 8.790 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 91 Resp: 4832454
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 8.772 ppbv

RT: 13.17 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

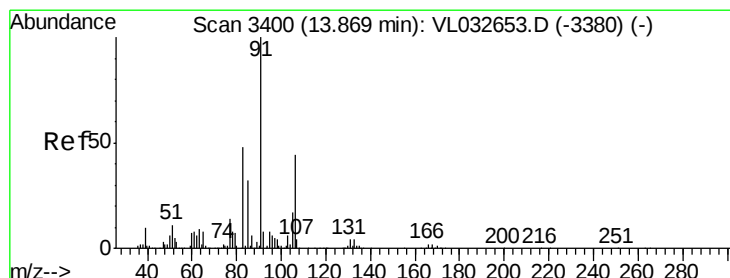
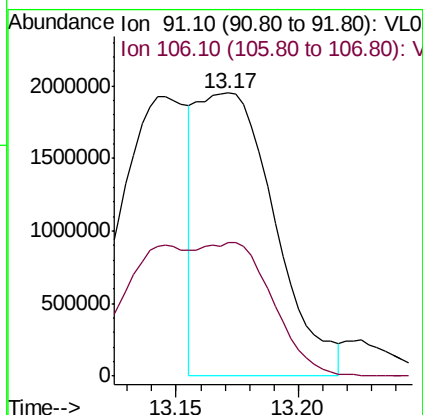
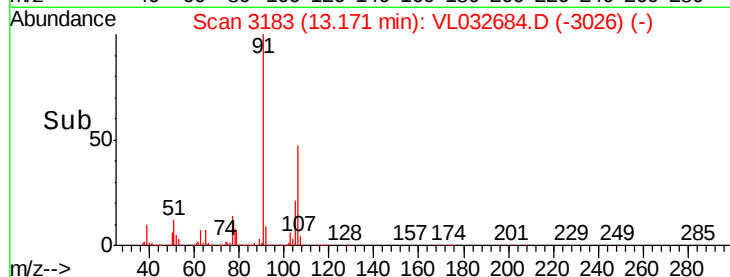
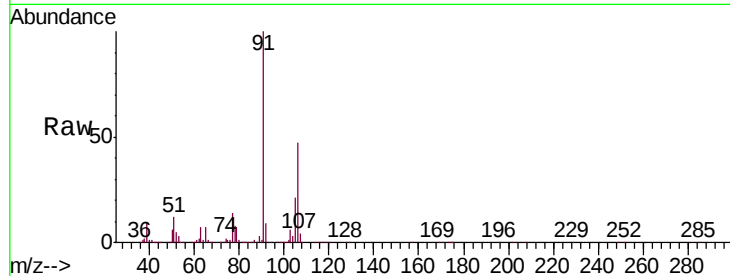
VSTDCCC010EC

Tgt Ion: 91 Resp: 4294454

Ion Ratio Lower Upper

91 100

106 85.6 35.9 53.9#



#60

o-Xylene

Concen: 8.110 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL032684.D

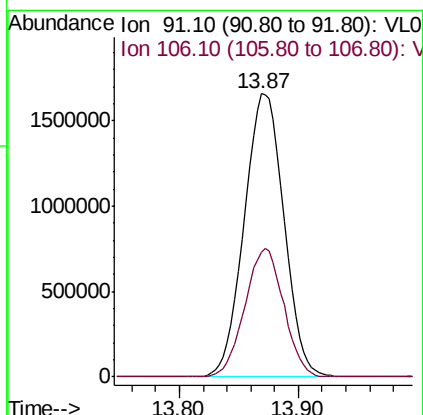
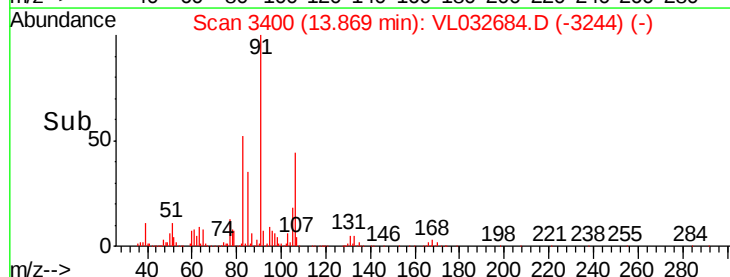
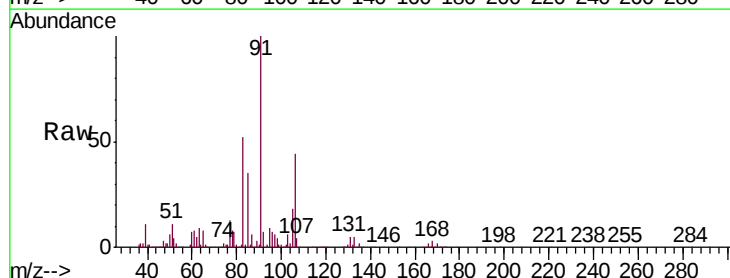
Acq: 19 Oct 2018 14:55

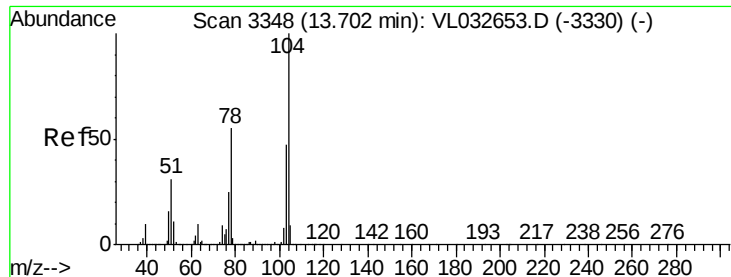
Tgt Ion: 91 Resp: 3829821

Ion Ratio Lower Upper

91 100

106 44.5 22.1 66.1





#61

Styrene

Concen: 9.286 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

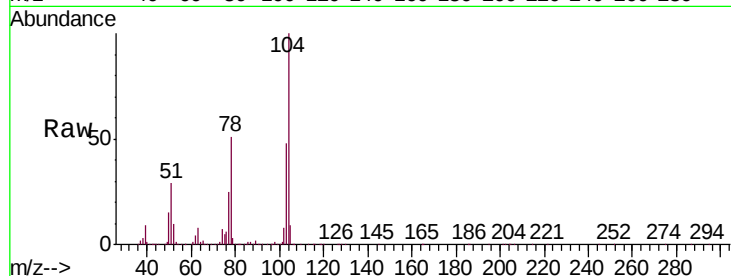
Tgt Ion:104 Resp: 2940207

Ion Ratio Lower Upper

104 100

78 51.4 42.8 64.2

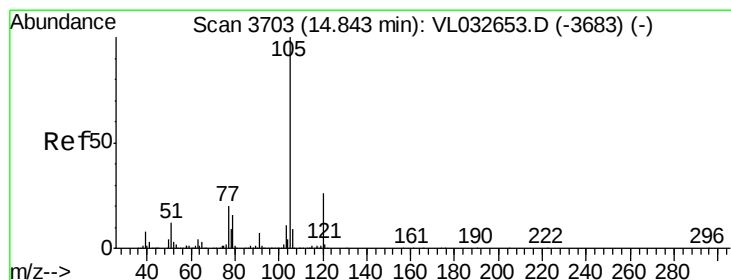
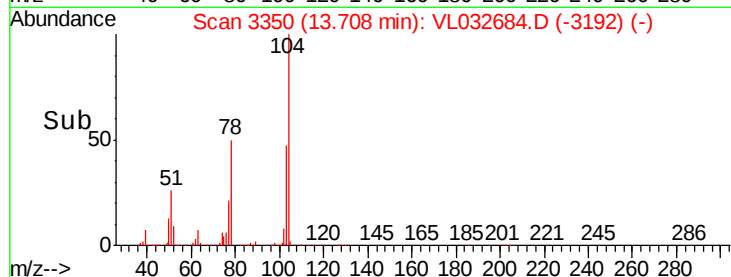
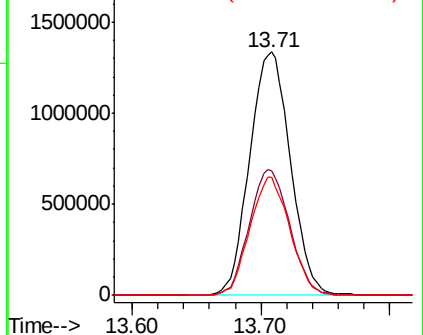
103 47.7 37.4 56.0



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: 7.974 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032684.D

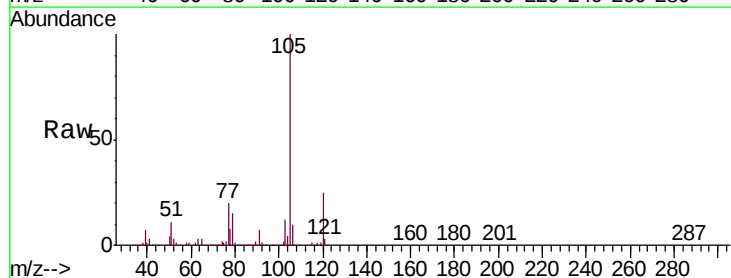
Acq: 19 Oct 2018 14:55

Tgt Ion:105 Resp: 5329351

Ion Ratio Lower Upper

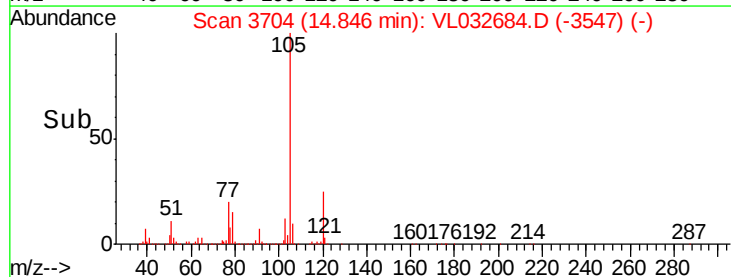
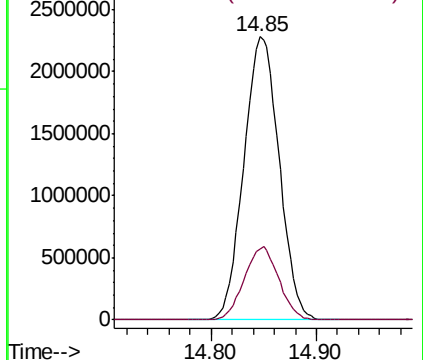
105 100

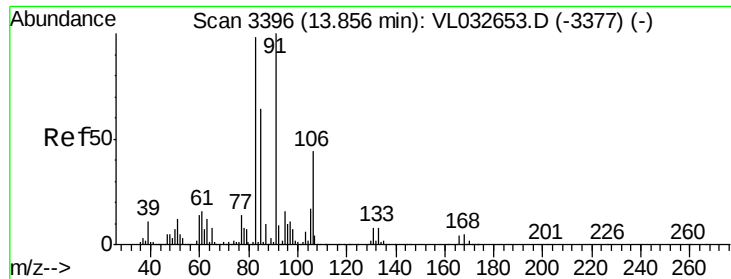
120 25.4 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

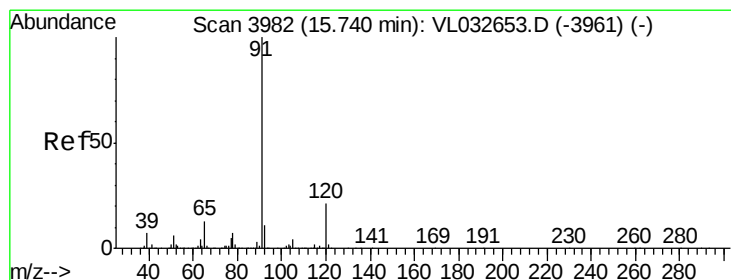
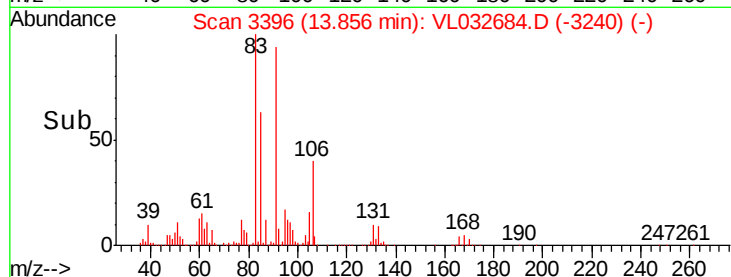
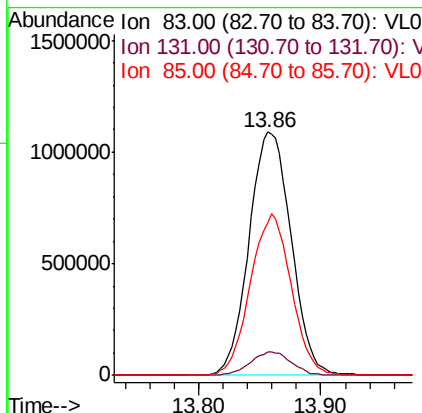
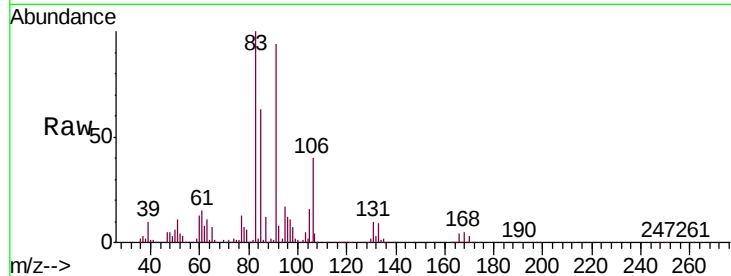




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.027 ppbv
 RT: 13.86 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

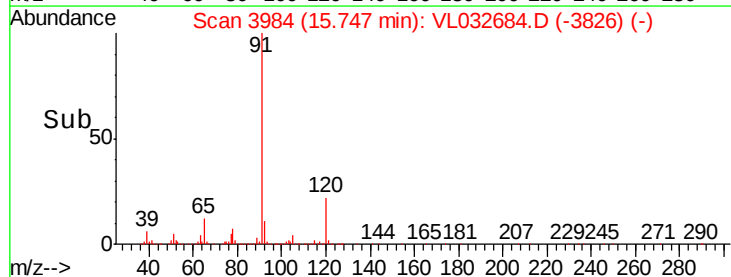
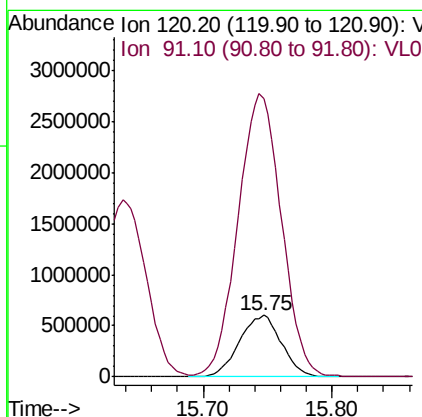
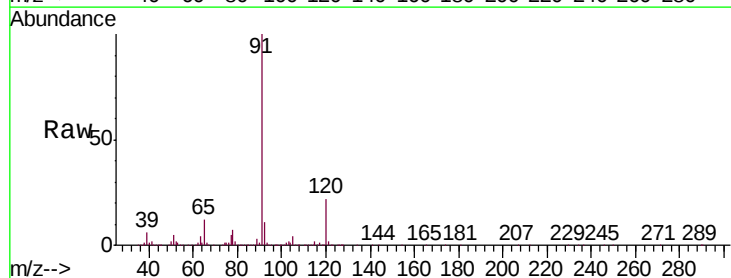
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

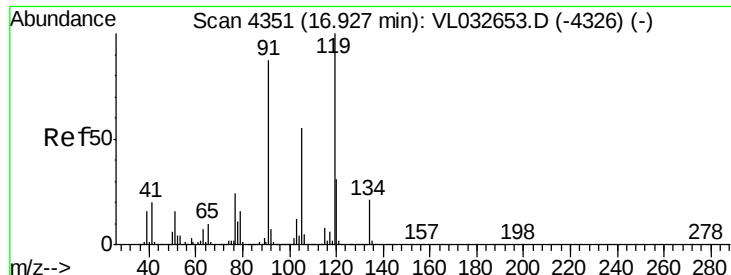
Tgt Ion: 83 Resp: 2600180
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.3 12.9
 85 64.8 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.251 ppbv
 RT: 15.75 min Scan# 3984
 Delta R.T. 0.01 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 120 Resp: 1370545
 Ion Ratio Lower Upper
 120 100
 91 475.3 390.2 585.2

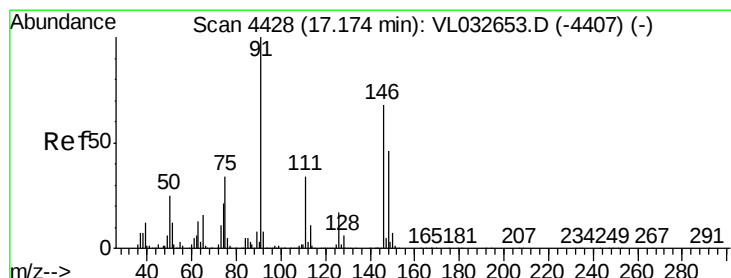
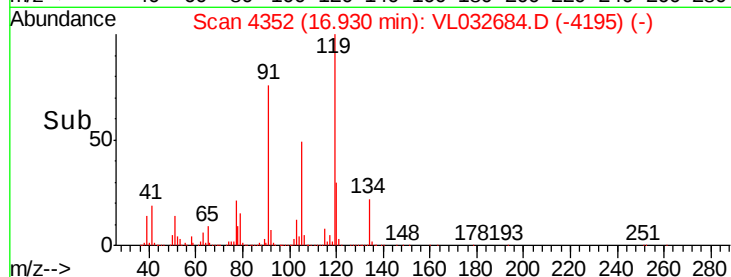
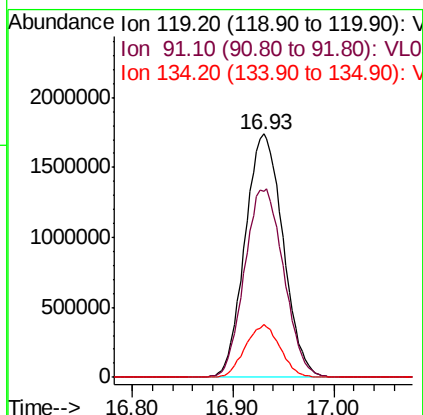
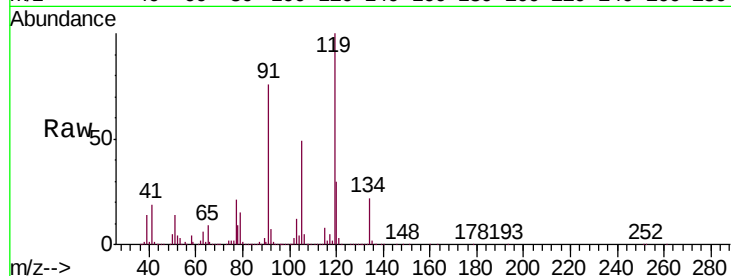




#65
 tert-Butylbenzene
 Concen: 7.974 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

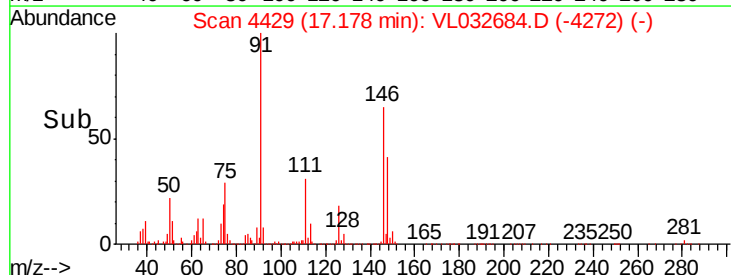
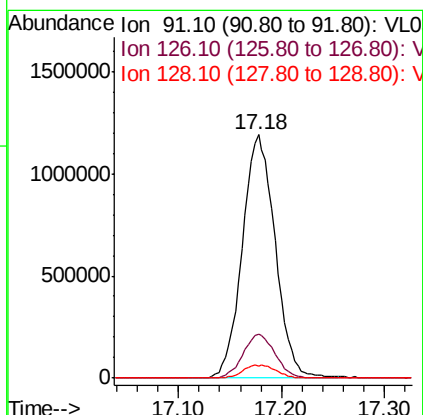
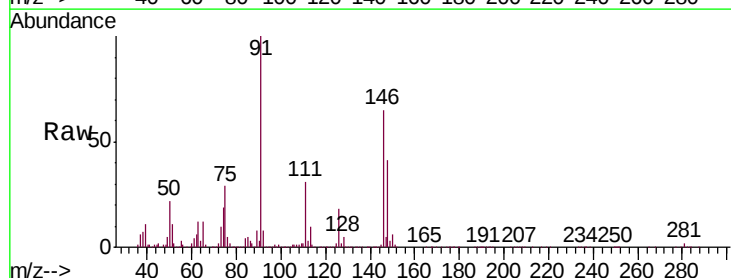
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

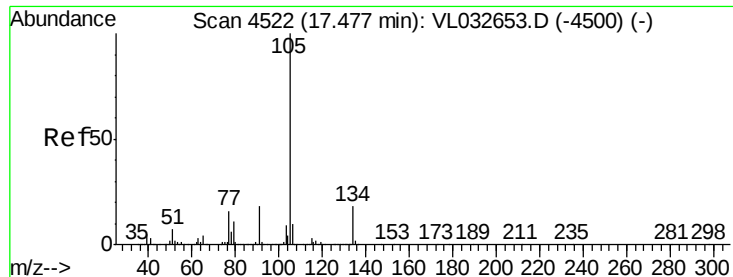
Tgt Ion: 119 Resp: 4539196
 Ion Ratio Lower Upper
 119 100
 91 80.1 67.8 101.8
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 8.951 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 91 Resp: 2630780
 Ion Ratio Lower Upper
 91 100
 126 17.7 13.9 20.9
 128 5.6 4.3 6.5

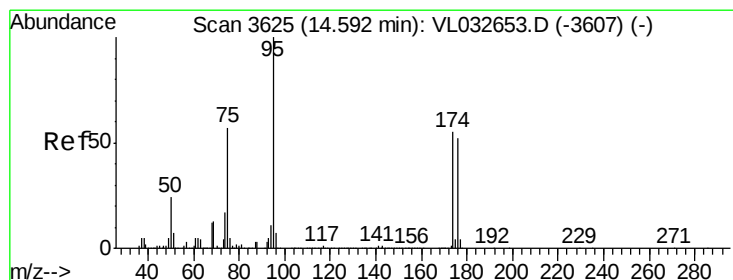
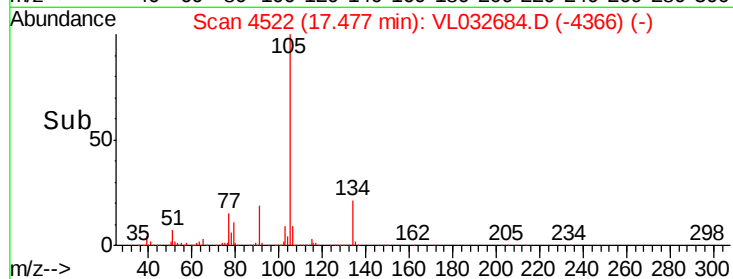
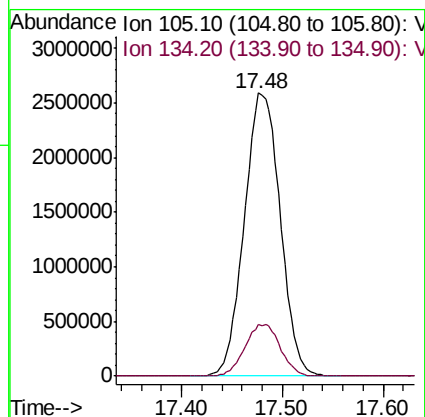
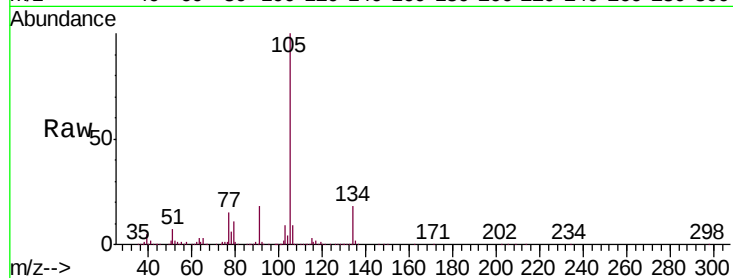




#67
 sec-Butylbenzene
 Concen: 7.880 ppbv
 RT: 17.48 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

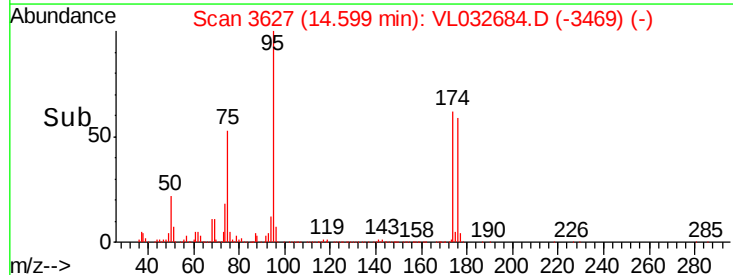
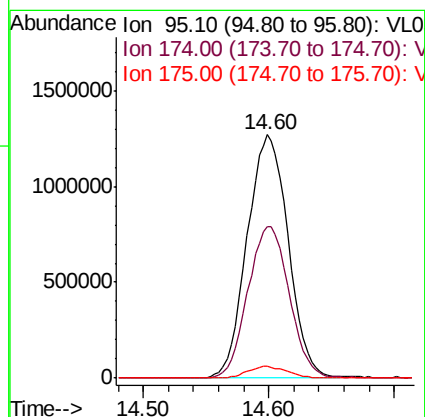
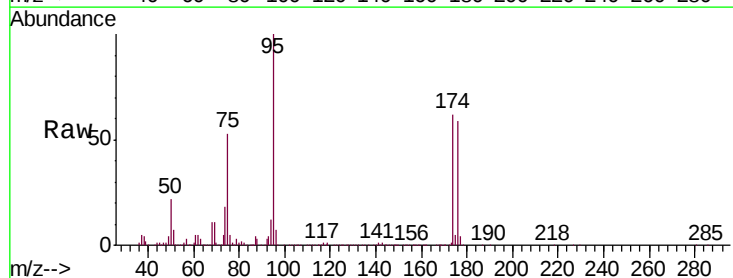
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

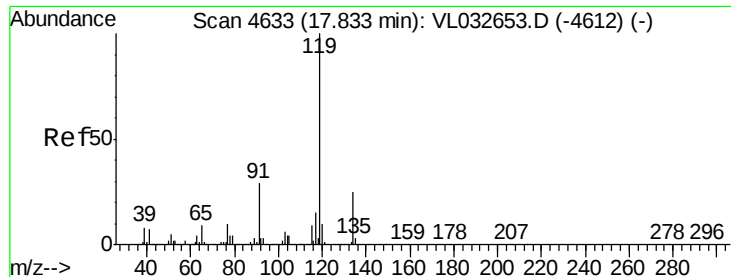
Tgt Ion: 105 Resp: 6379192
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.211 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Tgt Ion: 95 Resp: 2893296
 Ion Ratio Lower Upper
 95 100
 174 63.4 46.0 69.0
 175 4.7 3.4 5.0

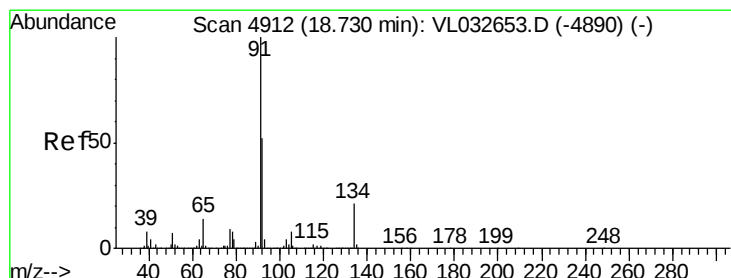
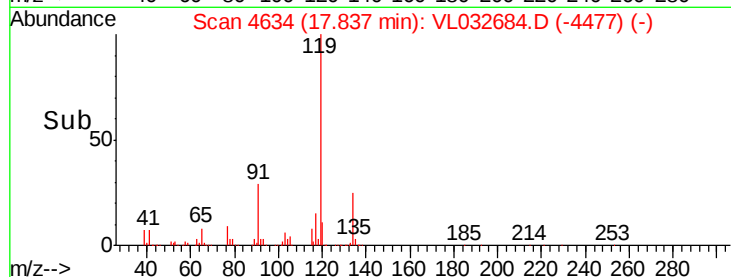
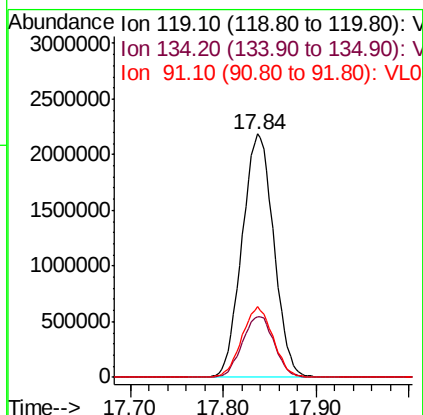
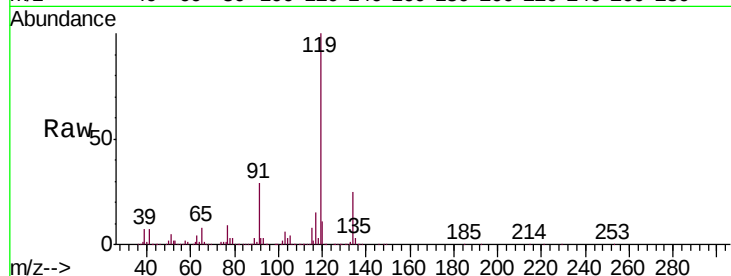




#69
p-Isopropyltoluene
Concen: 8.059 ppbv
RT: 17.84 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

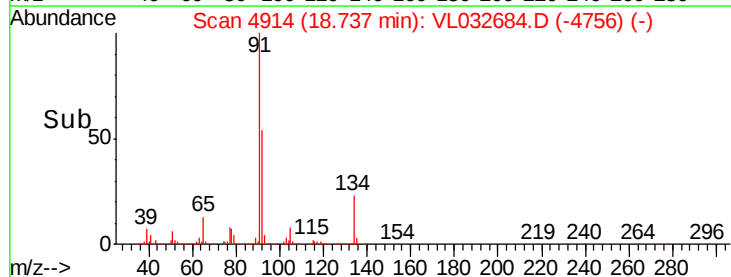
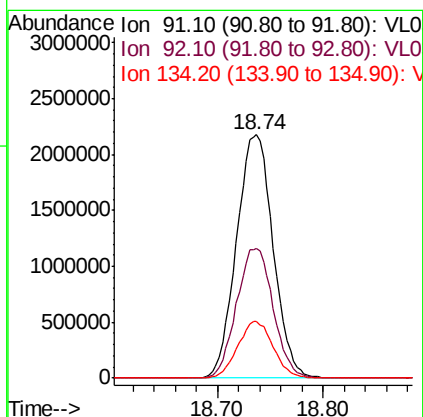
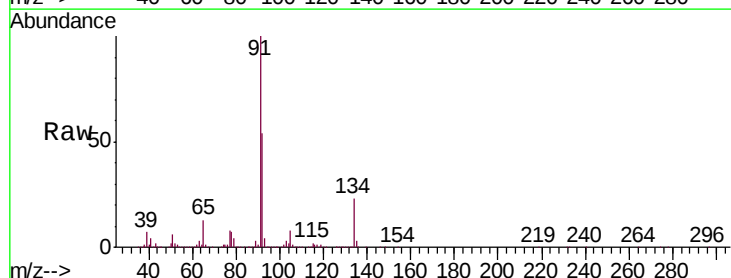
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

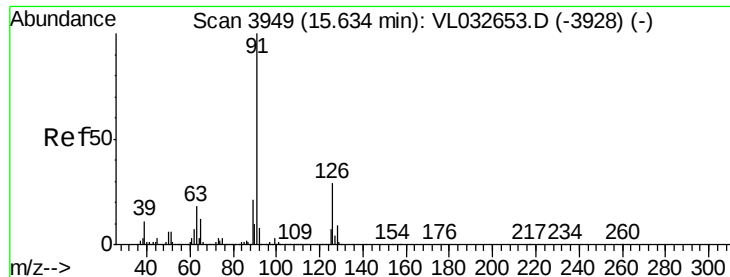
Tgt Ion: 119 Resp: 5170173
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 28.5 24.0 36.0



#70
n-Butylbenzene
Concen: 7.939 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. 0.01 min
Lab File: VL032684.D
Acq: 19 Oct 2018 14:55

Tgt Ion: 91 Resp: 5243103
Ion Ratio Lower Upper
91 100
92 53.4 43.0 64.4
134 22.5 17.0 25.6





#71

2-Chlorotoluene

Concen: 8.388 ppbv

RT: 15.64 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

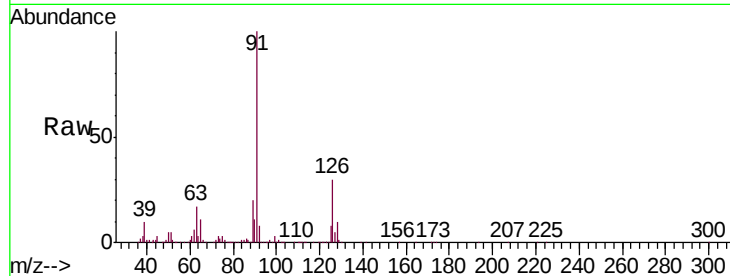
VSTDCCC010EC

Tgt Ion: 91 Resp: 3984496

Ion Ratio Lower Upper

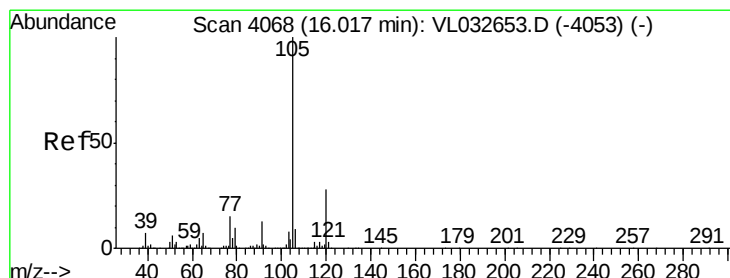
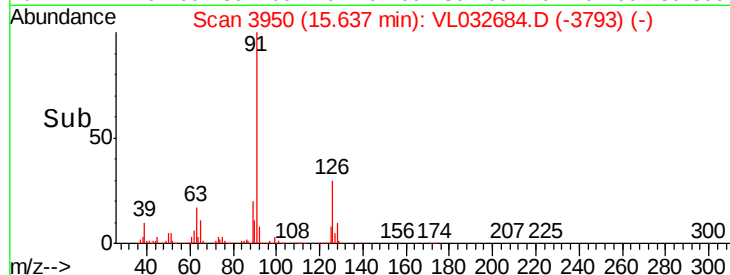
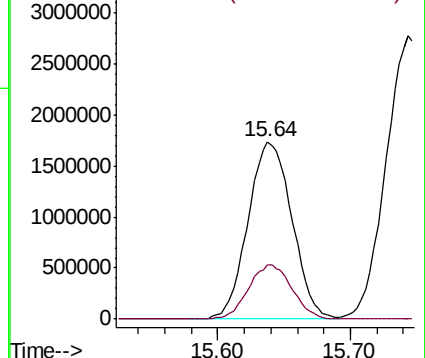
91 100

126 30.5 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.642 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. 0.01 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Tgt Ion: 105 Resp: 4346974

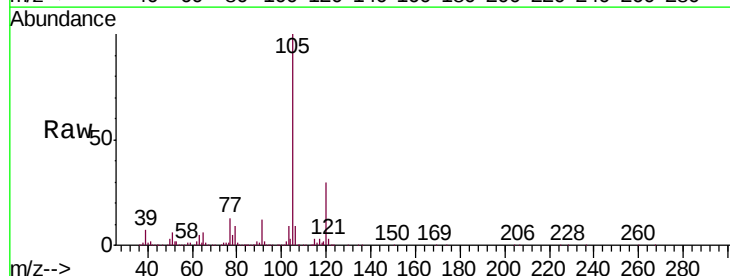
Ion Ratio Lower Upper

105 100

120 28.9 23.7 35.5

91 13.0 10.4 15.6

77 13.6 11.4 17.2

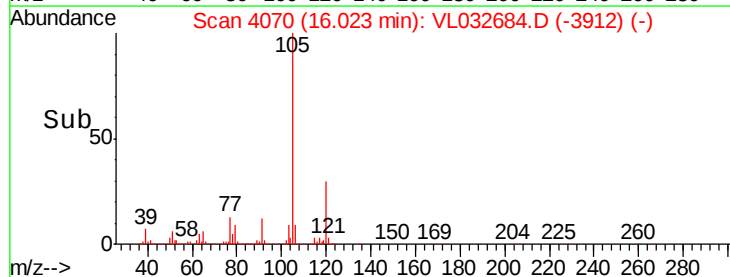
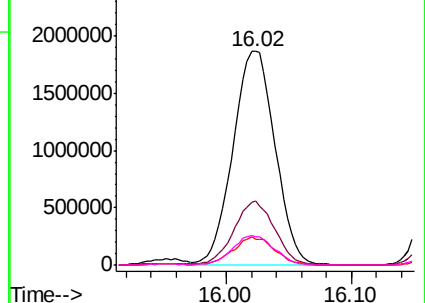


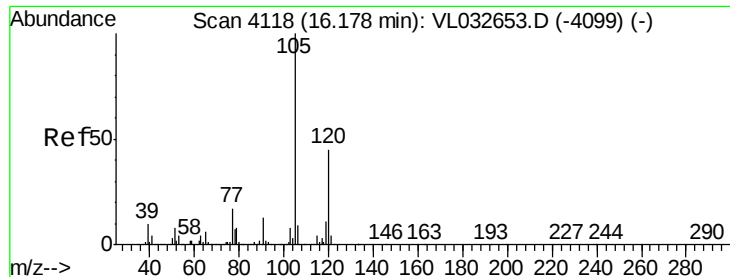
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.240 ppbv

RT: 16.18 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

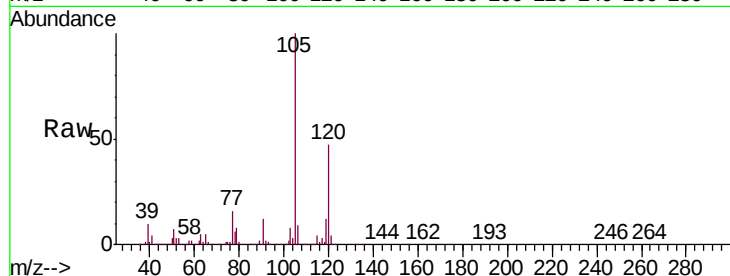
VSTDCCC010EC

Tgt Ion:105 Resp: 4036683

Ion Ratio Lower Upper

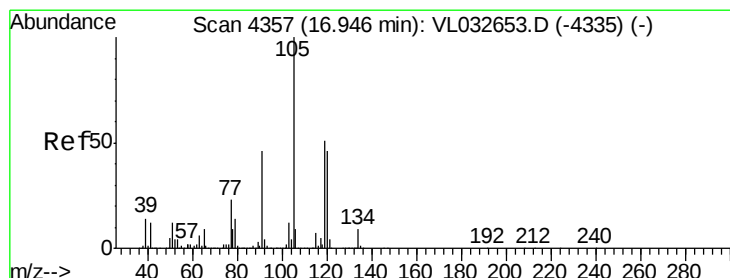
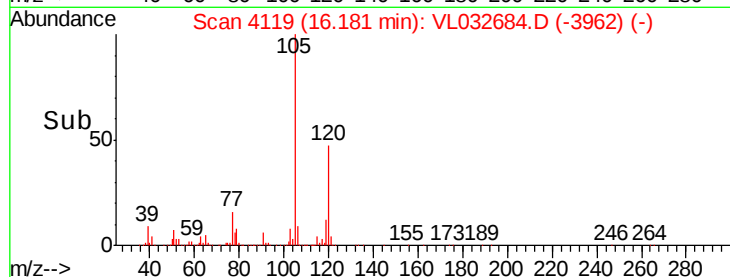
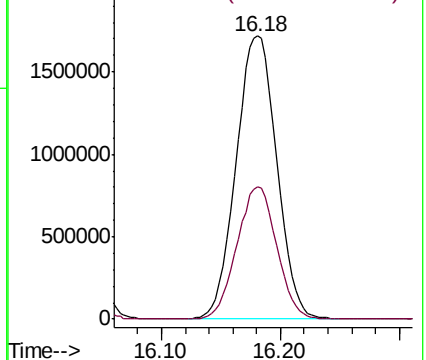
105 100

120 46.8 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.834 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Tgt Ion:105 Resp: 4098848

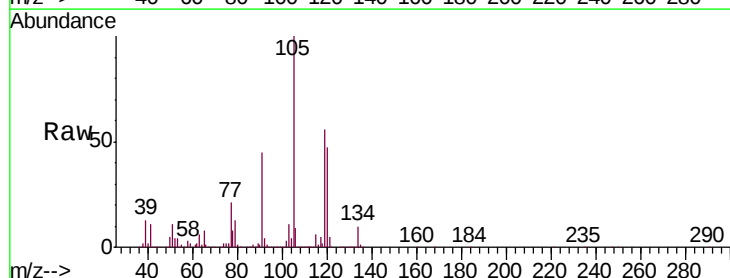
Ion Ratio Lower Upper

105 100

120 46.6 35.8 53.8

91 45.1 33.2 49.8

77 20.7 16.2 24.4

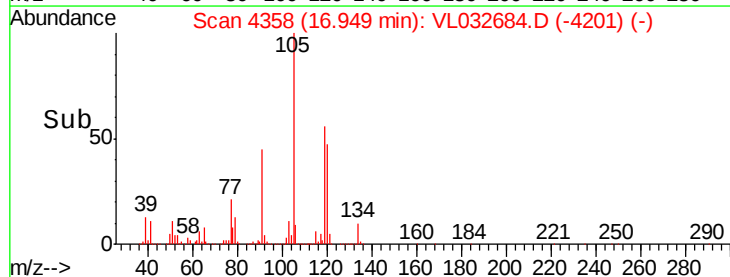
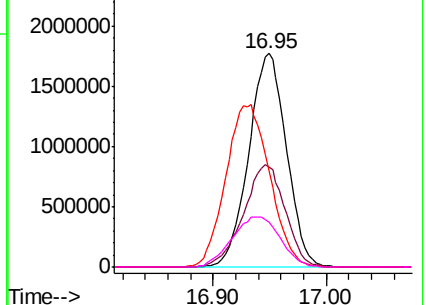


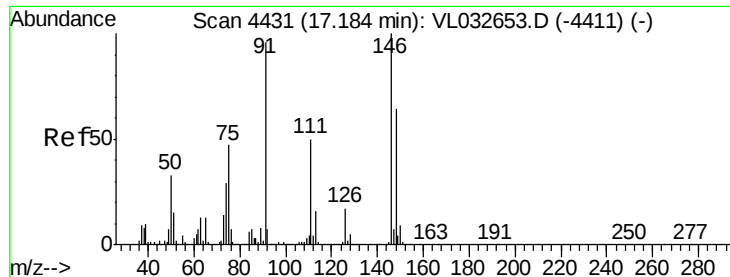
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.572 ppbv

RT: 17.19 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

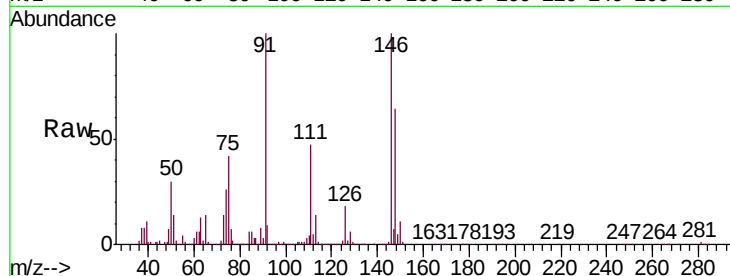
Tgt Ion:146 Resp: 2278038

Ion Ratio Lower Upper

146 100

111 47.2 24.4 73.2

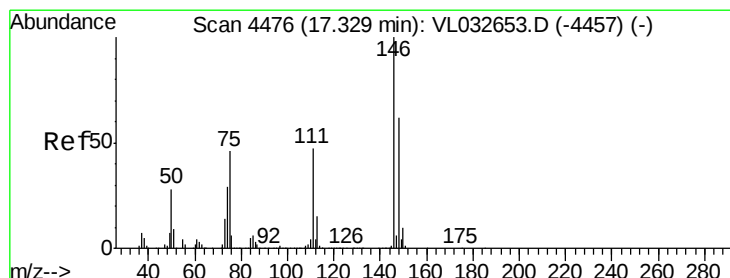
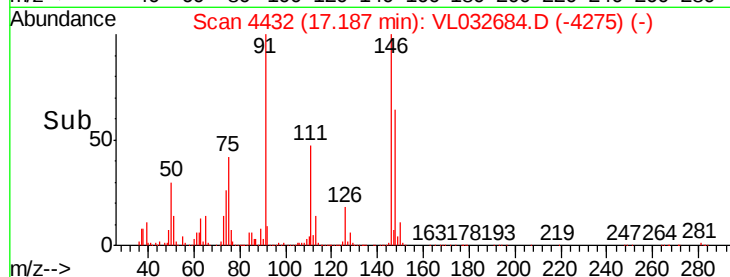
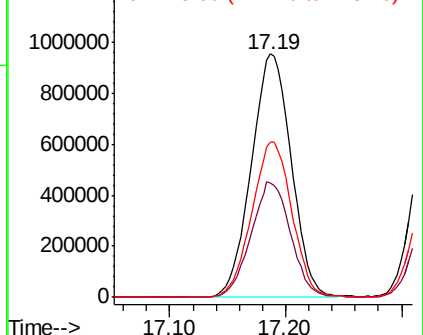
148 64.2 31.9 95.9



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: 8.148 ppbv

RT: 17.33 min Scan# 4477

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

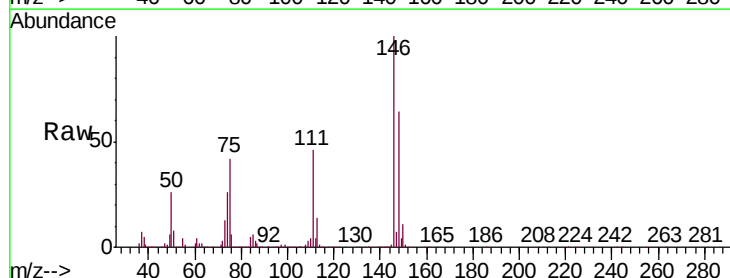
Tgt Ion:146 Resp: 2262083

Ion Ratio Lower Upper

146 100

111 45.2 23.7 71.1

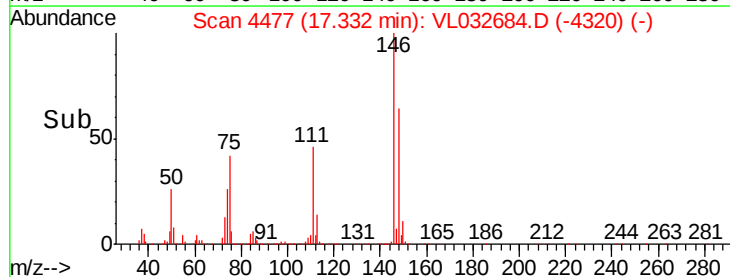
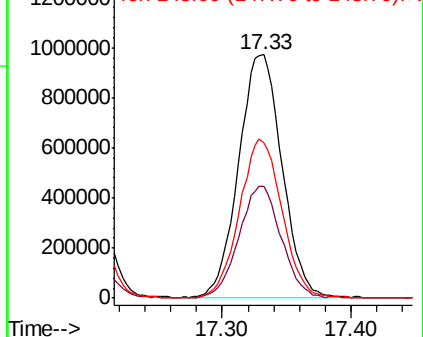
148 65.0 32.1 96.3

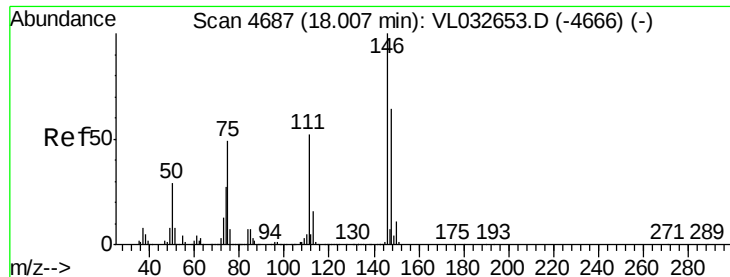


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.606 ppbv

RT: 18.01 min Scan# 4688

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

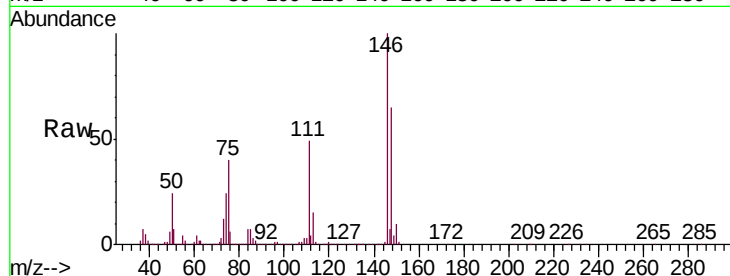
Tgt Ion:146 Resp: 2167814

Ion Ratio Lower Upper

146 100

111 48.4 25.3 75.8

148 64.0 31.9 95.9

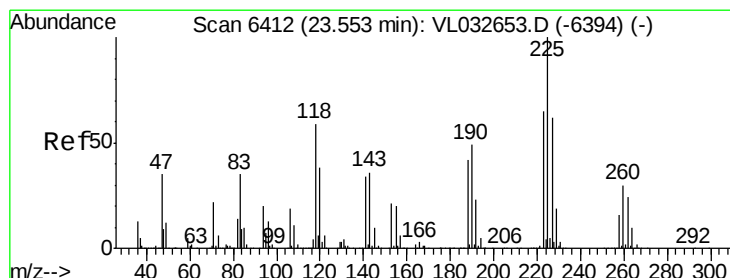
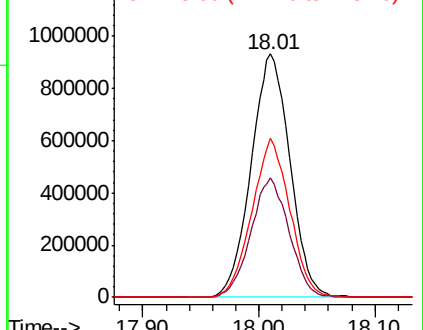
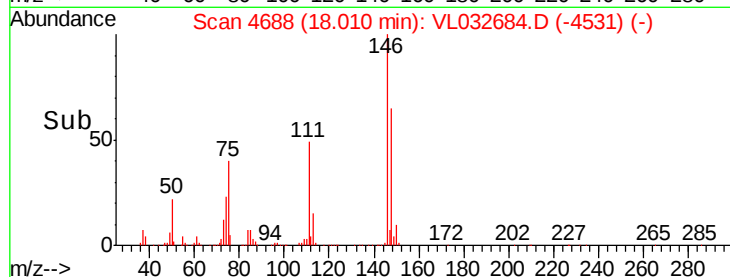


Abundance

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: 10.128 ppbv

RT: 23.57 min Scan# 6416

Delta R.T. 0.01 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

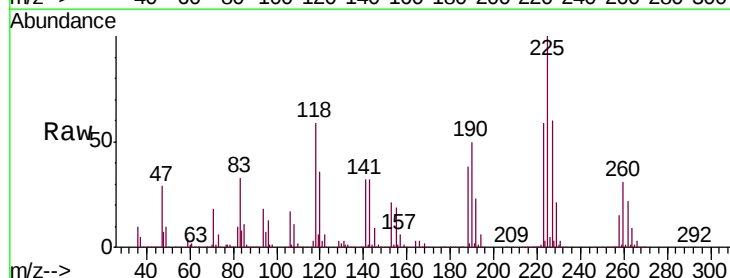
Tgt Ion:225 Resp: 1363917

Ion Ratio Lower Upper

225 100

223 62.6 50.7 76.1

227 63.5 50.7 76.1

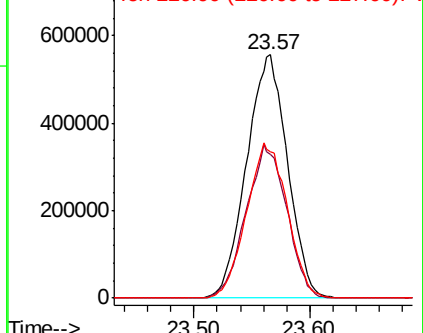
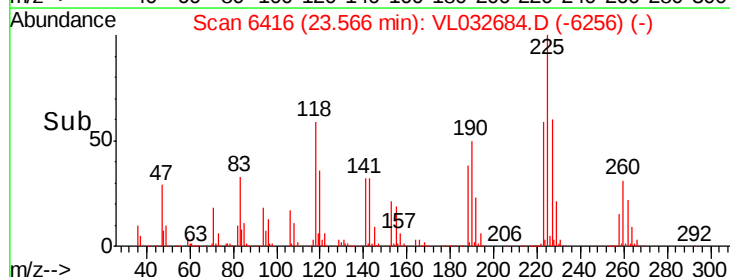


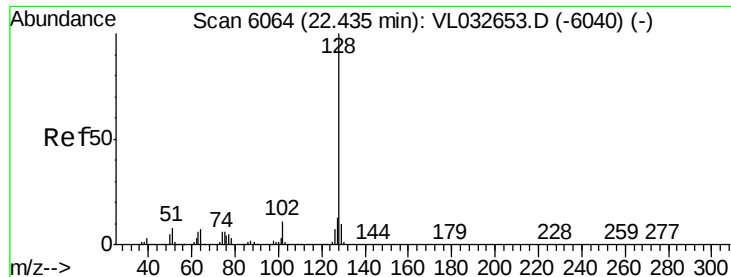
Abundance

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: 10.528 ppbv

RT: 22.43 min Scan# 6063

Delta R.T. -0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

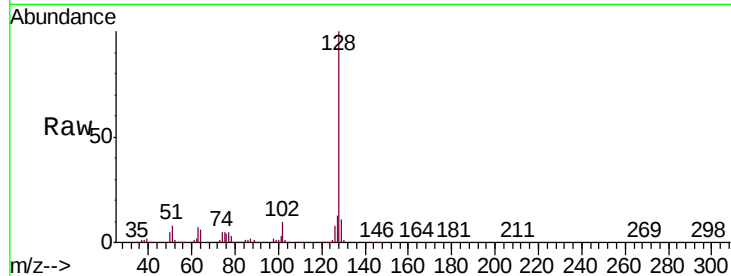
Tgt Ion:128 Resp: 3423573

Ion Ratio Lower Upper

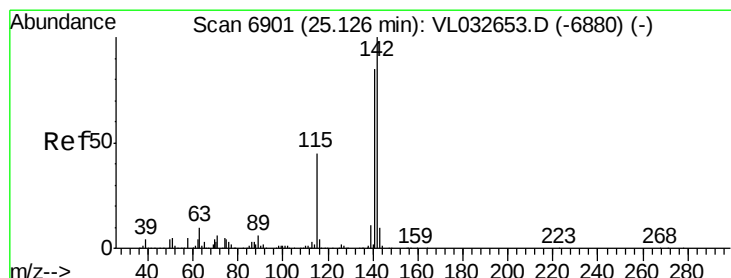
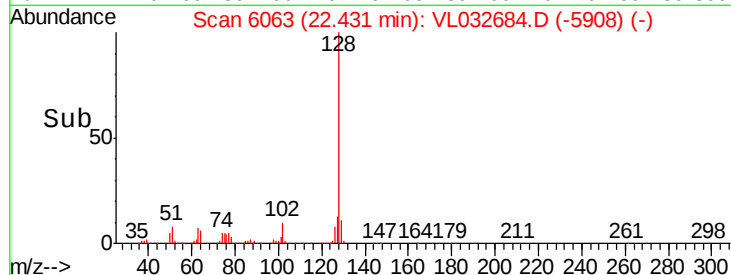
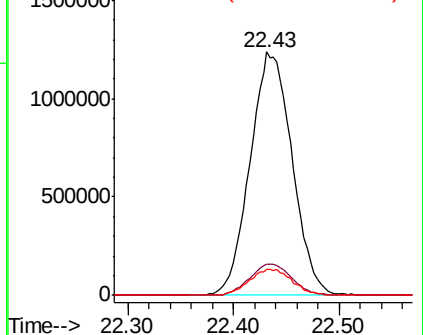
128 100

127 12.9 10.3 15.5

129 10.7 8.6 13.0



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: 16.989 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL032684.D

Acq: 19 Oct 2018 14:55

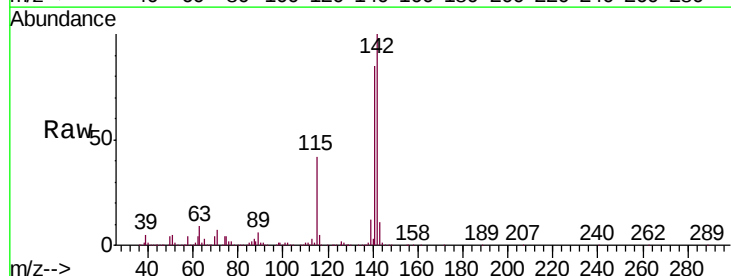
Tgt Ion:142 Resp: 1343430

Ion Ratio Lower Upper

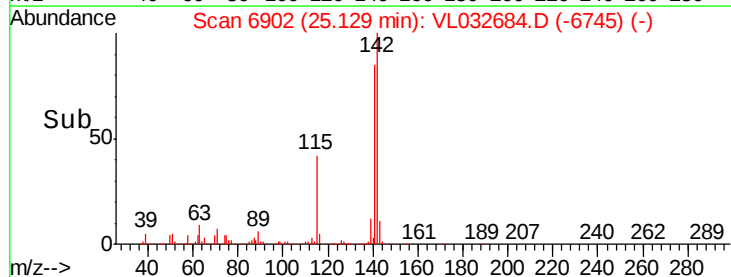
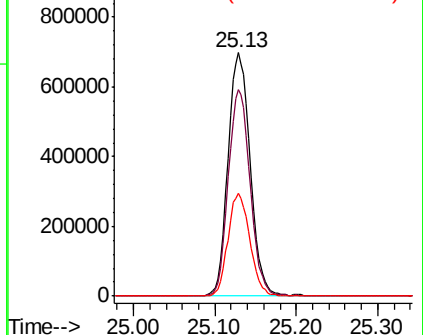
142 100

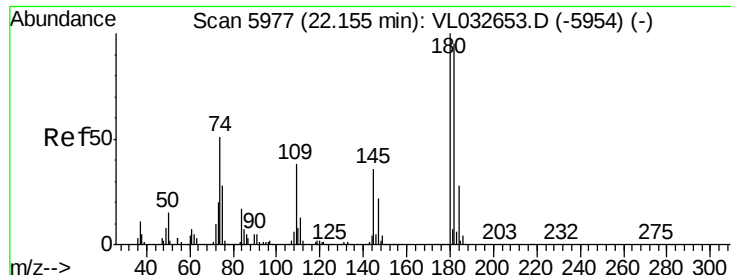
141 83.9 67.5 101.3

115 41.8 33.5 50.3



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

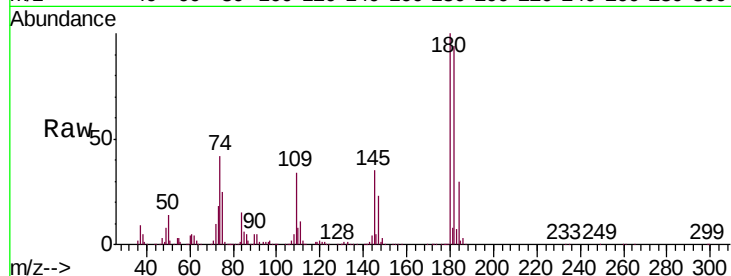




#81
 1,2,4-Trichlorobenzene
 Concen: 9.574 ppbv
 RT: 22.16 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL032684.D
 Acq: 19 Oct 2018 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1612339
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 184 30.5 24.7 37.1



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

