

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
 Data File : VL032984.D
 Acq On : 13 Dec 2018 14:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Dec 14 01:07:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1336001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3405450	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4054724	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2536668	8.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1856995	10.412	ppbv	99
3) Chlorodifluoromethane	3.02	51	1021344	10.094	ppbv	98
4) Chloromethane	3.17	50	564211	9.578	ppbv	96
5) Vinyl Chloride	3.29	62	572821	9.557	ppbv	98
6) Bromomethane	3.52	94	381714	10.183	ppbv	94
7) Chloroethane	3.60	64	219664	10.226	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1459939	9.850	ppbv	100
9) Propene	3.04	41	420690	10.515	ppbv	98
10) Heptane	8.25	43	1436973	9.562	ppbv	100
11) Trichlorofluoromethane	4.01	101	1617597	9.627	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1341959	9.361	ppbv	98
13) Ethanol	3.65	45	98926	7.182	ppbv	95
14) Bromoethene	3.79	108	490288	10.301	ppbv	99
15) Acetone	3.90	43	1022076	8.913	ppbv	99
16) 1,3-Butadiene	3.36	39	452354	9.943	ppbv	92
17) tert-Butyl alcohol	4.36	59	166905	5.717	ppbv #	98
18) 1,1-Dichloroethene	4.35	96	617602	10.999	ppbv	95
19) Isopropyl Alcohol	4.03	45	714395	9.920	ppbv	100
20) Methylene Chloride	4.41	84	524348	9.356	ppbv	96
21) Allyl Chloride	4.48	41	963916	10.315	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	627068	8.999	ppbv	100
23) Vinyl Acetate	5.16	43	2311100	11.903	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1764703	10.453	ppbv	99
25) Ethyl Acetate	5.77	43	2653196	9.795	ppbv	99
26) Hexane	5.78	57	1223435	9.782	ppbv	99
27) Carbon Disulfide	4.62	76	1559510	9.973	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2202893	11.728	ppbv	100
29) Chloroform	5.86	83	2040132	9.142	ppbv	97
30) Cyclohexane	7.25	84	1091226	10.527	ppbv	100
31) cis-1,2-Dichloroethene	5.65	61	1169416	10.190	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	2242826	9.499	ppbv	99
34) 2-Butanone	5.33	43	1687613	11.377	ppbv	99
35) Carbon Tetrachloride	7.14	117	2369990	8.854	ppbv	100
36) Benzene	7.01	78	2350189	9.383	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1567717	9.193	ppbv	99
38) Trichloroethene	7.97	130	1035145	9.930	ppbv	99
39) 1,2-Dichloropropane	7.74	63	877765	9.240	ppbv	96
40) 1,4-Dioxane	7.97	88	339545	9.704	ppbv #	97
41) Tetrahydrofuran	6.15	42	1007443	10.920	ppbv	99
42) Bromodichloromethane	7.92	83	2133759	9.031	ppbv	99
43) Methyl Methacrylate	8.15	69	950194	10.238	ppbv	100

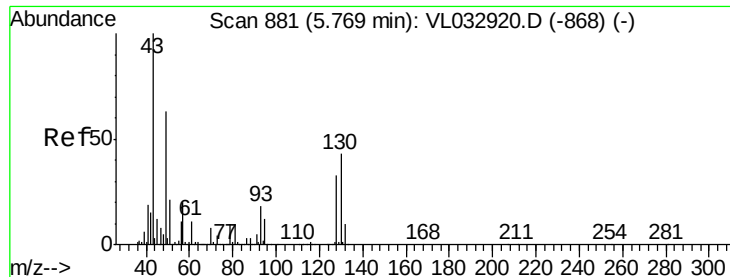
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4325659	10.174	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1432717	12.590	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1657221	11.898	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1093089	10.454	ppbv	97
48) Dibromochloromethane	10.46	129	2012957	10.262	ppbv	100
49) Bromoform	13.21	173	1786206	11.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2494827	10.518	ppbv	100
51) 2-Hexanone	10.28	43	1847400	11.484	ppbv #	99
52) Tetrachloroethene	11.38	164	996954	10.942	ppbv	98
53) Toluene	9.96	91	3039923	11.443	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1675924	10.260	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	1414353	7.824	ppbv	97
57) Chlorobenzene	12.31	112	2318339	7.917	ppbv	98
58) Ethyl Benzene	12.87	91	4076876	9.425	ppbv	100
59) m/p-Xylene	13.15	91	3999772	10.199	ppbv #	100
60) o-Xylene	13.86	91	3372238	8.515	ppbv	99
61) Styrene	13.69	104	2622862	9.956	ppbv	100
62) Isopropylbenzene	14.83	105	5059791	9.157	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2342695	7.618	ppbv	99
64) n-propylbenzene	15.73	120	1226190	8.544	ppbv	100
65) tert-Butylbenzene	16.92	119	4296787	8.388	ppbv	100
66) Benzyl Chloride	17.16	91	2582480	9.096	ppbv	100
67) sec-Butylbenzene	17.46	105	6035773	7.992	ppbv	100
69) p-Isopropyltoluene	17.82	119	5169471	8.446	ppbv	100
70) n-Butylbenzene	18.72	91	5296591	9.406	ppbv	100
71) 2-Chlorotoluene	15.62	91	3587353	8.731	ppbv	100
72) 4-Ethyltoluene	16.01	105	3878245	8.772	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3890223	9.013	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3896124	7.994	ppbv #	91
75) 1,3-Dichlorobenzene	17.17	146	2183659	7.608	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2126338	7.940	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2212062	8.253	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1076161	7.301	ppbv	100
79) Naphthalene	22.42	128	3136182	9.966	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	713699	10.615	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1525728	9.142	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

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ClientSampleId :

BFB

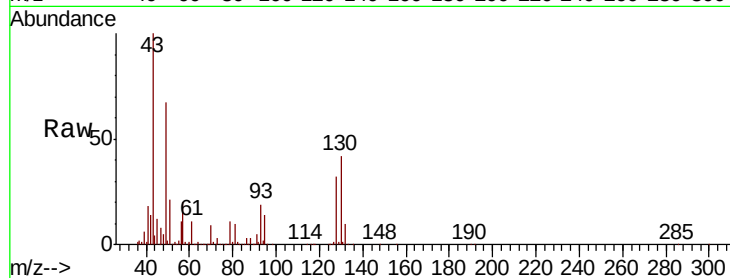
Tgt Ion: 49 Resp: 1336001

Ion Ratio Lower Upper

49 100

128 51.9 26.3 78.8

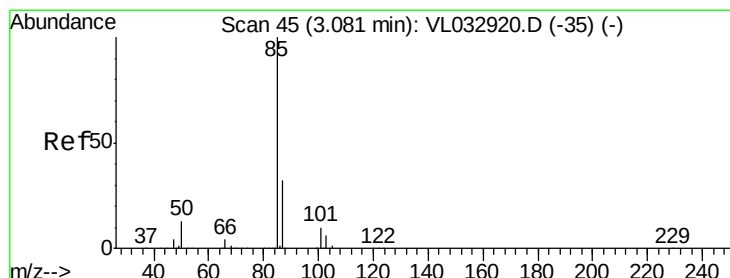
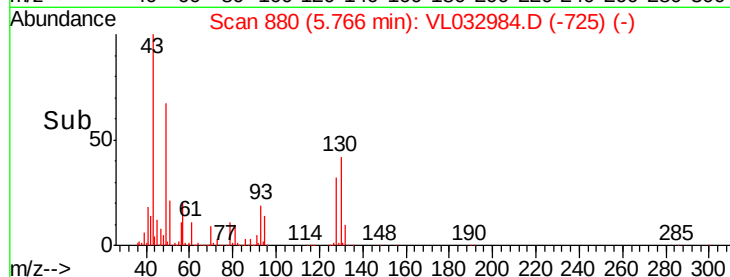
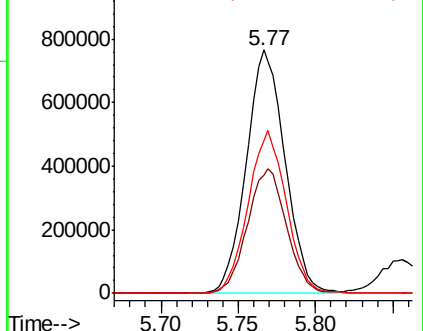
130 66.6 33.9 101.7



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: 10.412 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032984.D

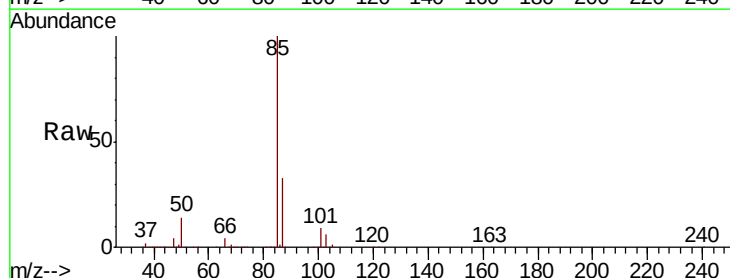
Acq: 13 Dec 2018 14:26

Tgt Ion: 85 Resp: 1856995

Ion Ratio Lower Upper

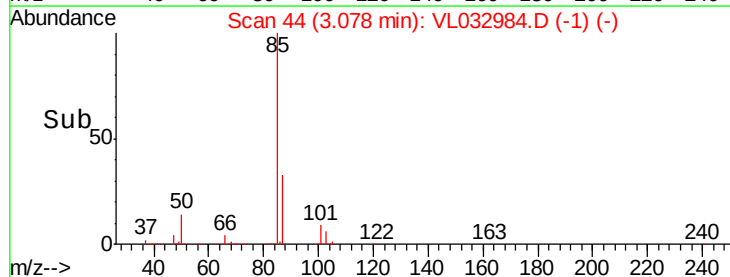
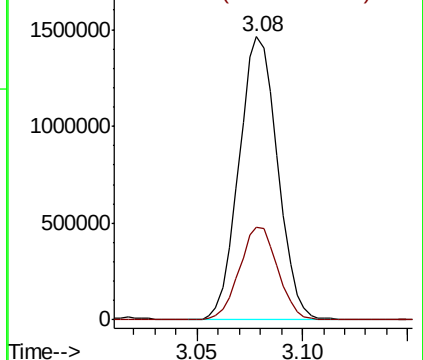
85 100

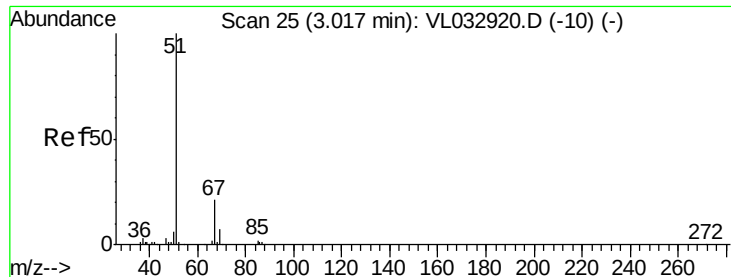
87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.094 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

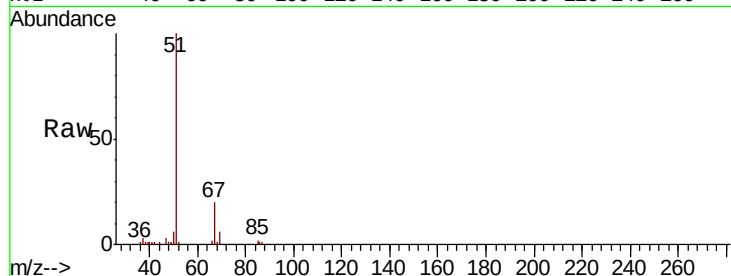
BFB

Tgt Ion: 51 Resp: 1021344

Ion Ratio Lower Upper

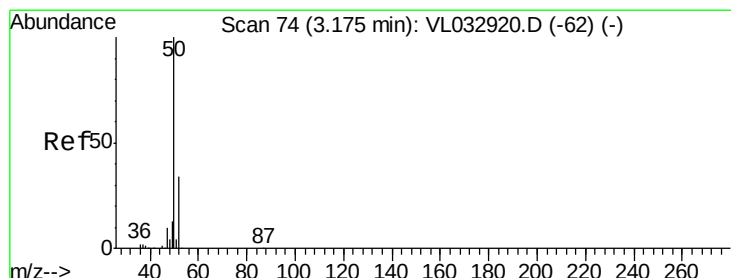
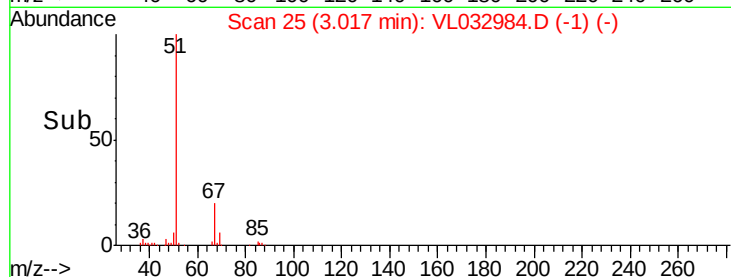
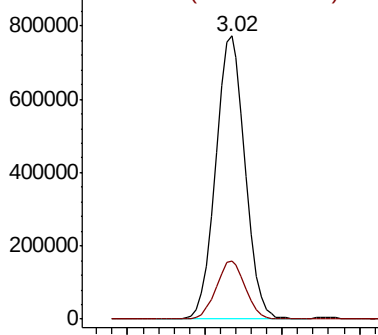
51 100

67 20.2 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.578 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032984.D

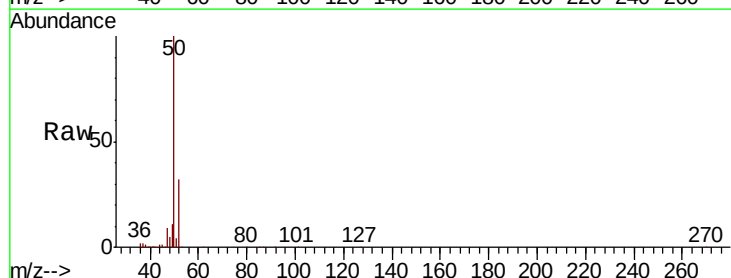
Acq: 13 Dec 2018 14:26

Tgt Ion: 50 Resp: 564211

Ion Ratio Lower Upper

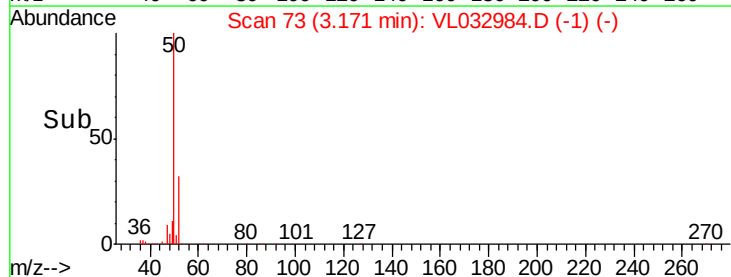
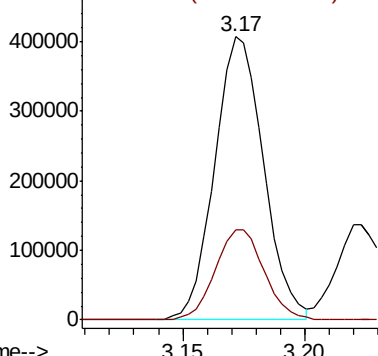
50 100

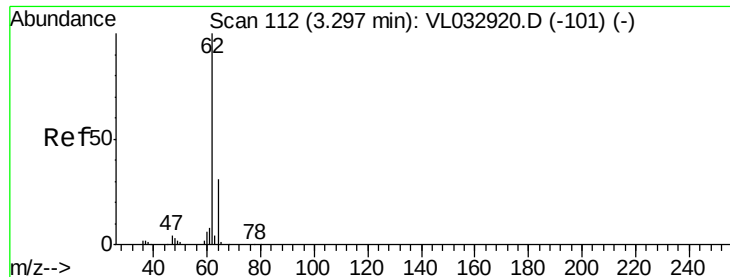
52 31.8 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.557 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

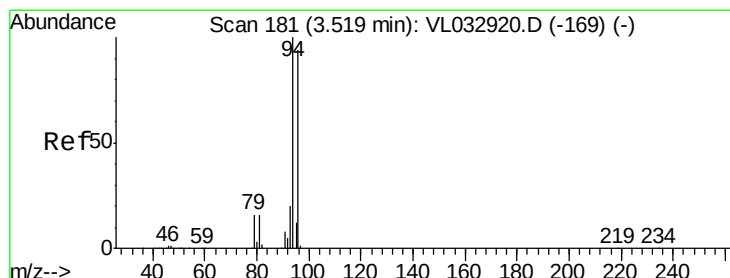
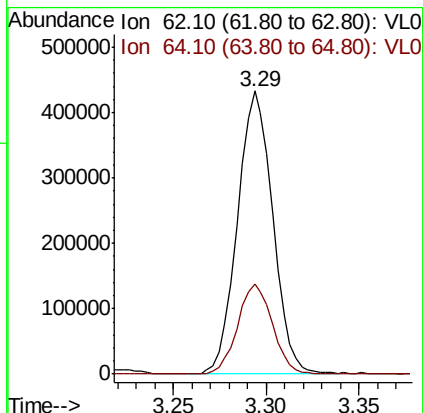
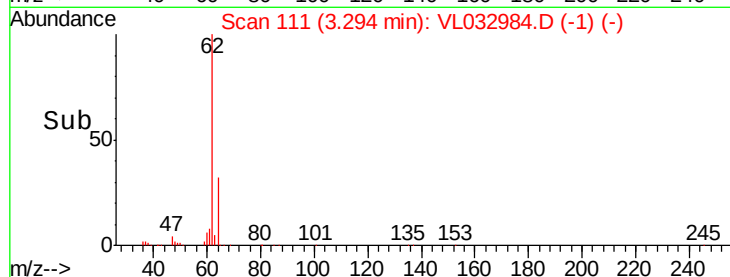
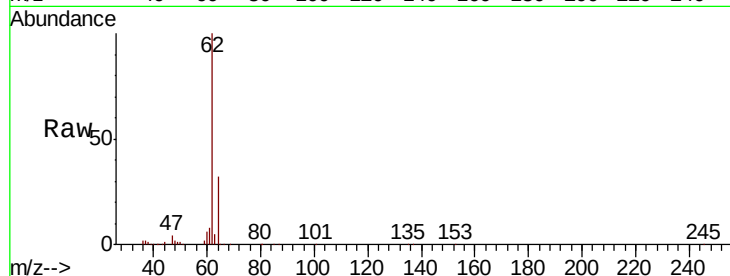
BFB

Tgt Ion: 62 Resp: 572821

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2



#6

Bromomethane

Concen: 10.183 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL032984.D

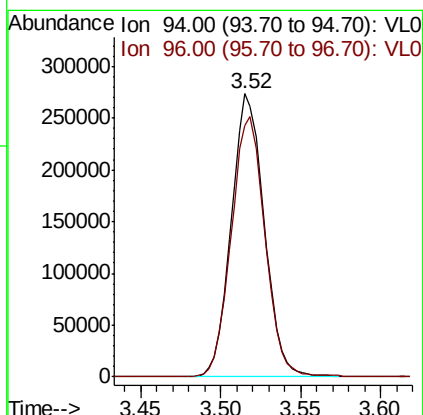
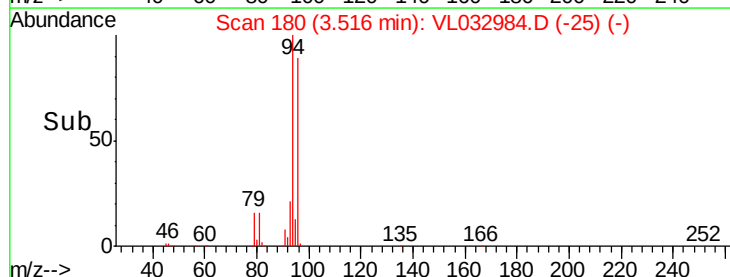
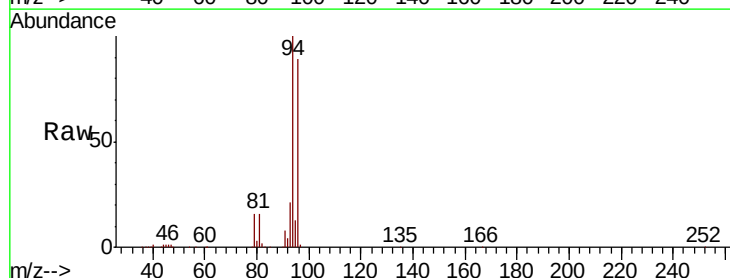
Acq: 13 Dec 2018 14:26

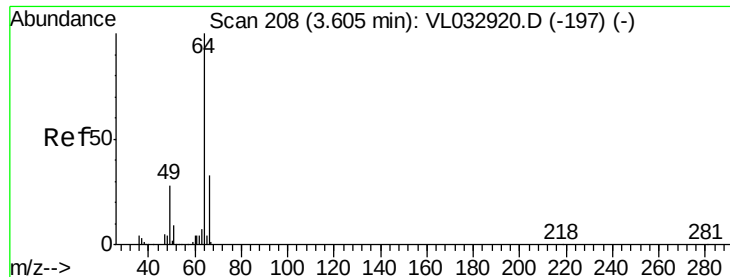
Tgt Ion: 94 Resp: 381714

Ion Ratio Lower Upper

94 100

96 88.9 75.5 113.3





#7

Chloroethane

Concen: 10.226 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

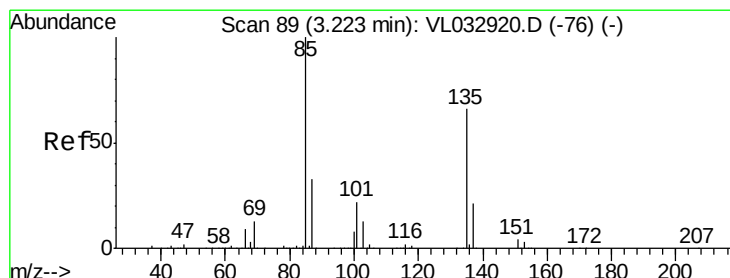
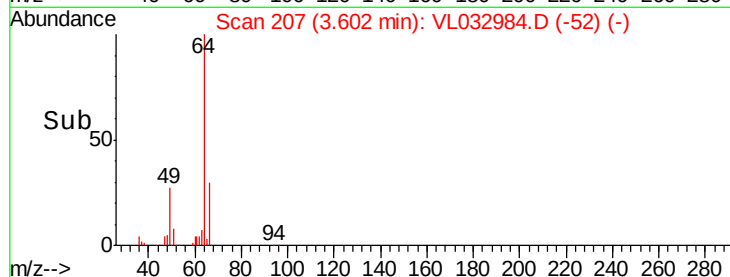
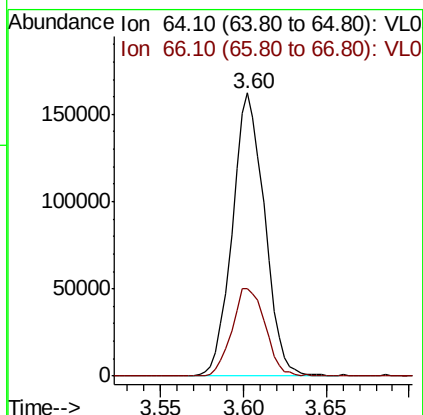
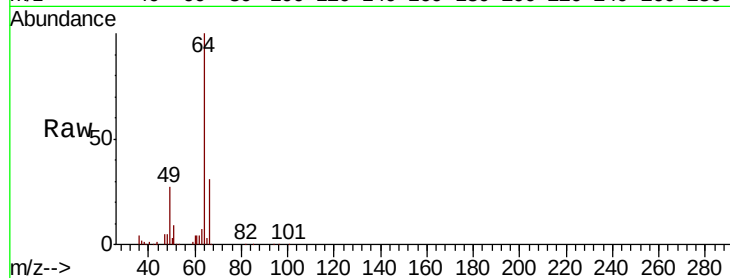
BFB

Tgt Ion: 64 Resp: 219664

Ion Ratio Lower Upper

64 100

66 30.8 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 9.850 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032984.D

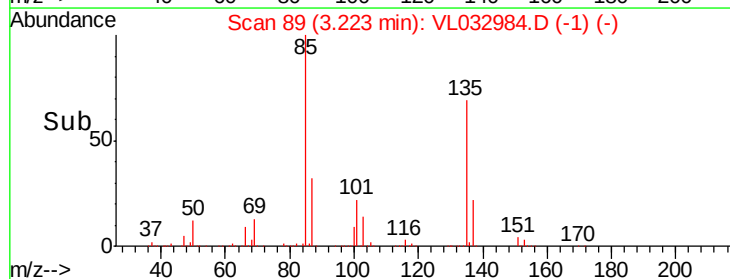
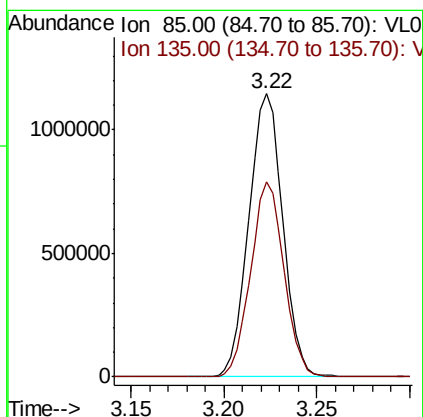
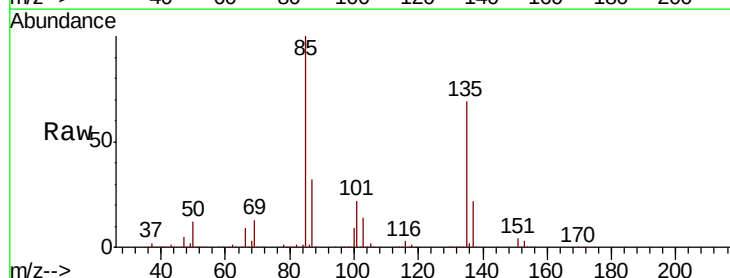
Acq: 13 Dec 2018 14:26

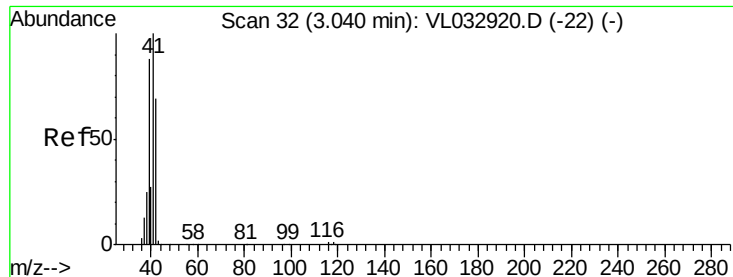
Tgt Ion: 85 Resp: 1459939

Ion Ratio Lower Upper

85 100

135 68.1 54.5 81.7





#9

Propene

Concen: 10.515 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

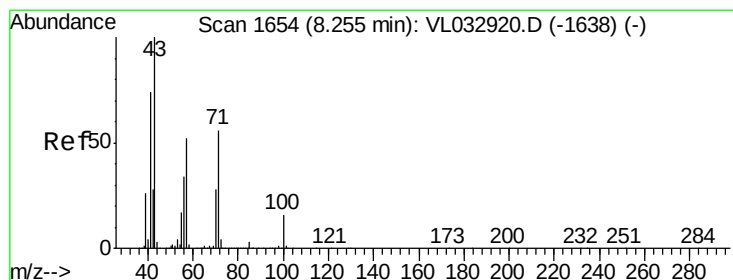
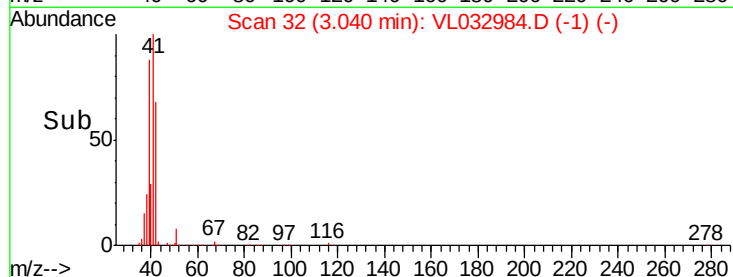
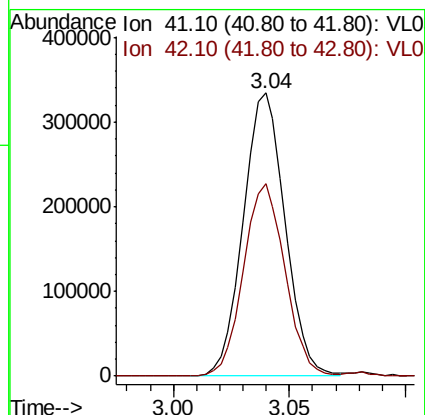
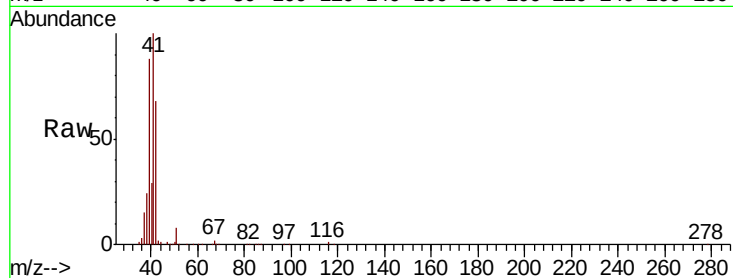
BFB

Tgt Ion: 41 Resp: 420690

Ion Ratio Lower Upper

41 100

42 68.5 56.2 84.2



#10

Heptane

Concen: 9.562 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032984.D

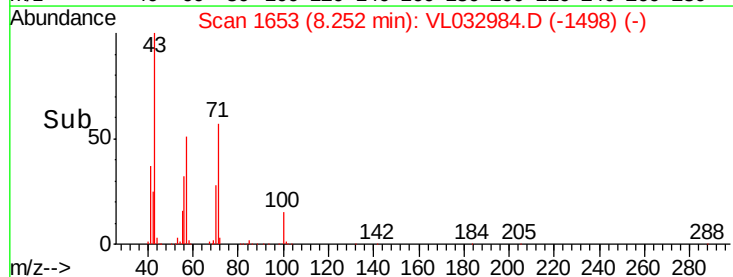
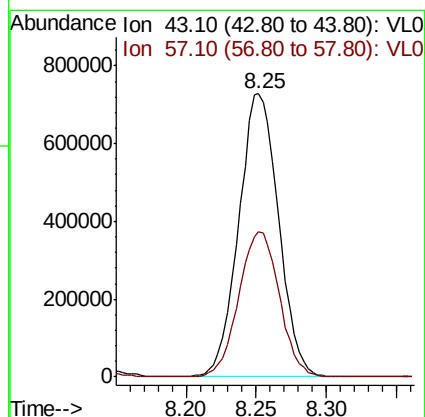
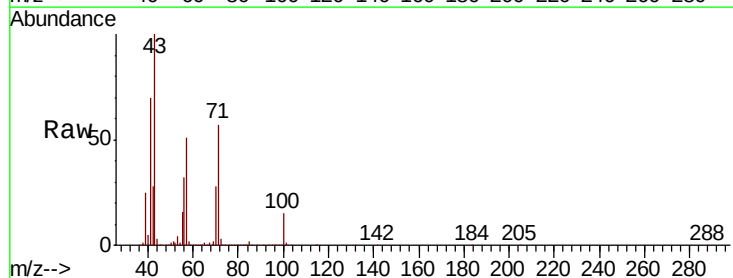
Acq: 13 Dec 2018 14:26

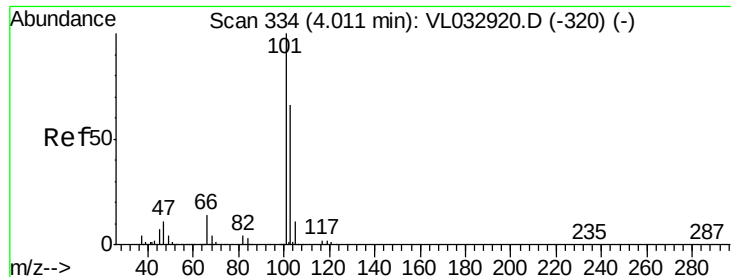
Tgt Ion: 43 Resp: 1436973

Ion Ratio Lower Upper

43 100

57 52.1 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.627 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

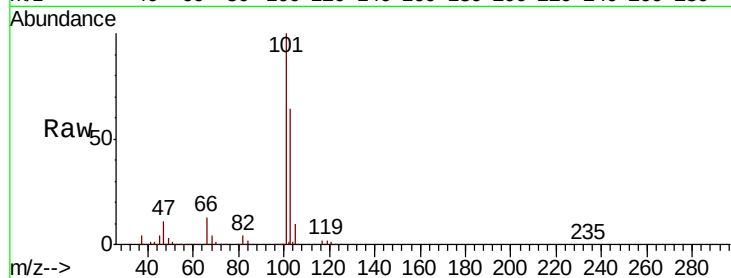
BFB

Tgt Ion:101 Resp: 1617597

Ion Ratio Lower Upper

101 100

103 64.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.01

1200000

1000000

800000

600000

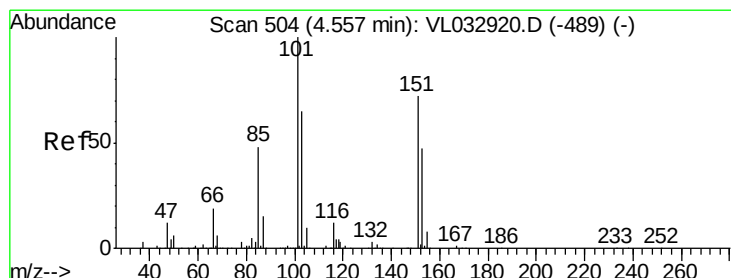
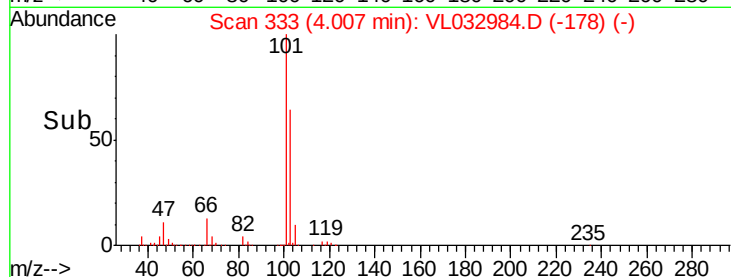
400000

200000

0

Time-->

3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.361 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL032984.D

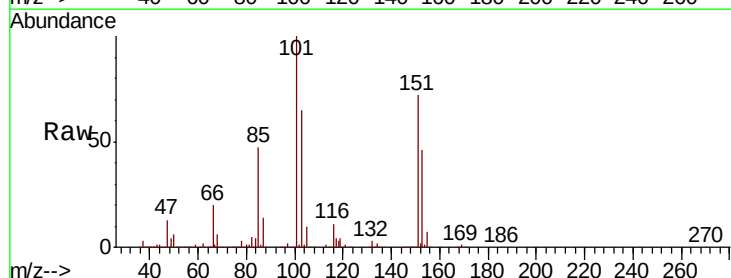
Acq: 13 Dec 2018 14:26

Tgt Ion:101 Resp: 1341959

Ion Ratio Lower Upper

101 100

151 72.3 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.55

800000

600000

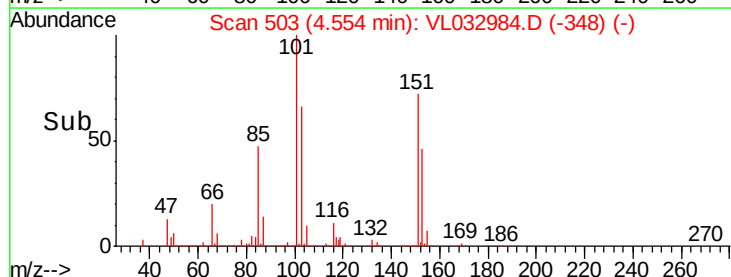
400000

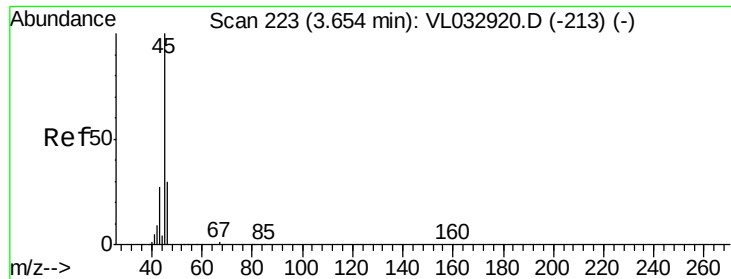
200000

0

Time-->

4.50 4.55 4.60





#13

Ethanol

Concen: 7.182 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

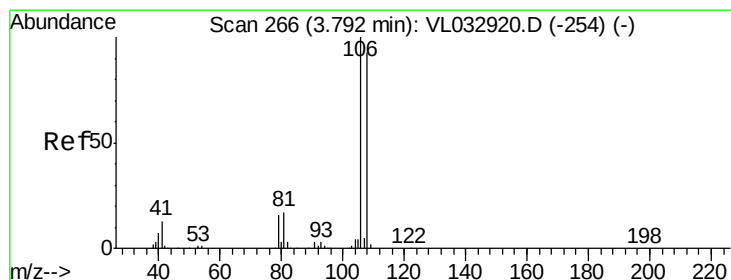
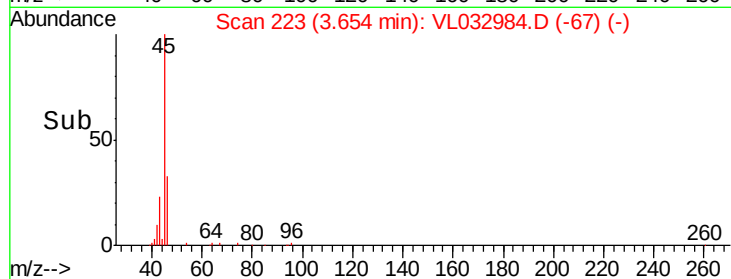
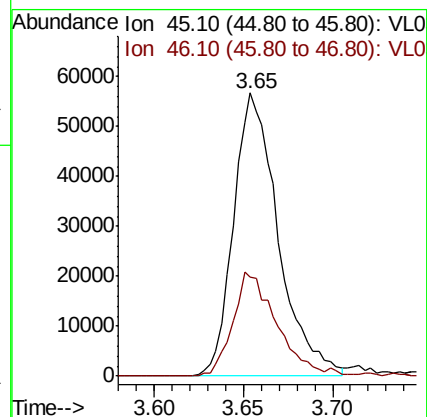
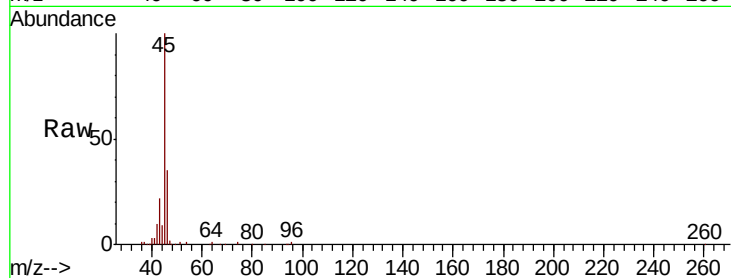
BFB

Tgt Ion: 45 Resp: 98926

Ion Ratio Lower Upper

45 100

46 37.2 13.8 55.4



#14

Bromoethene

Concen: 10.301 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

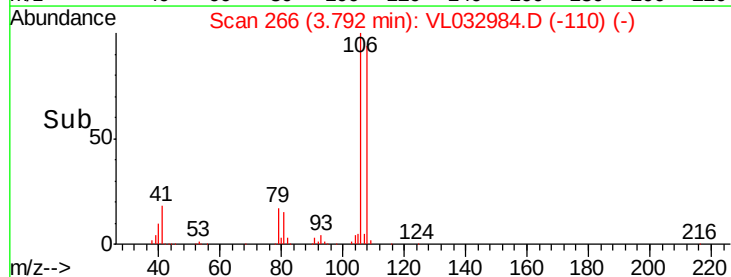
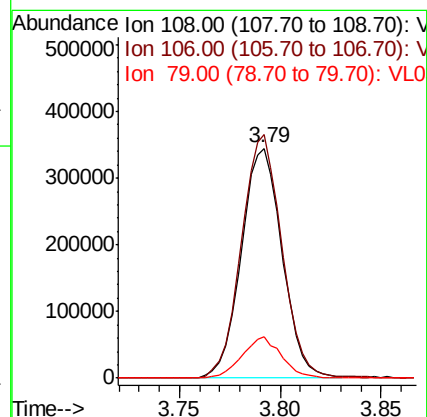
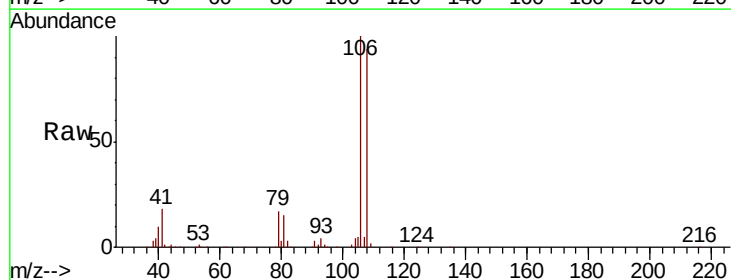
Tgt Ion: 108 Resp: 490288

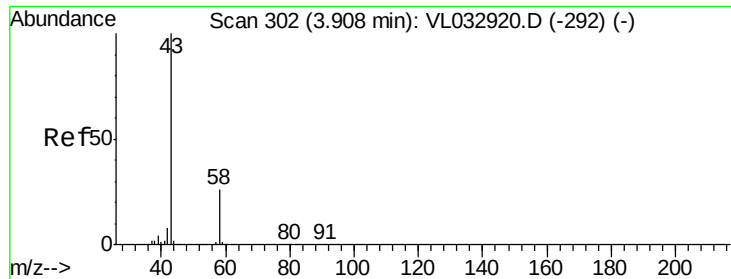
Ion Ratio Lower Upper

108 100

106 105.7 85.4 128.2

79 17.6 14.6 21.8





#15

Acetone

Concen: 8.913 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

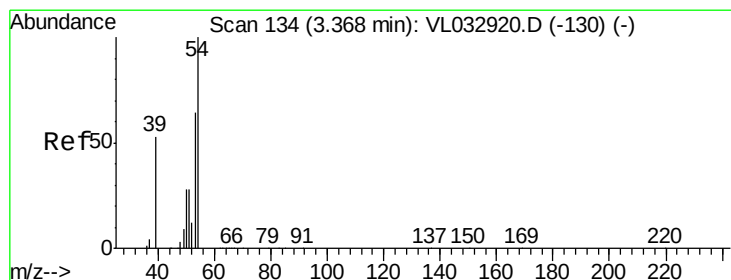
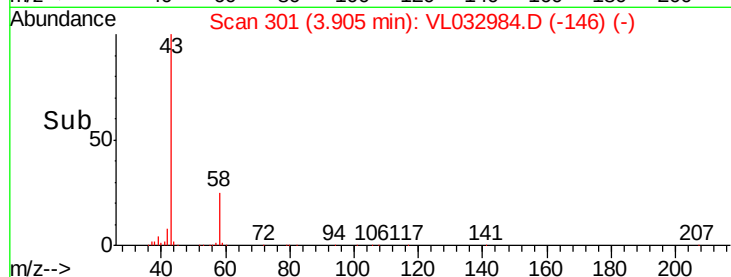
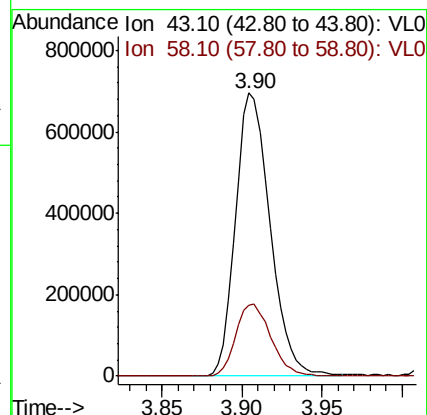
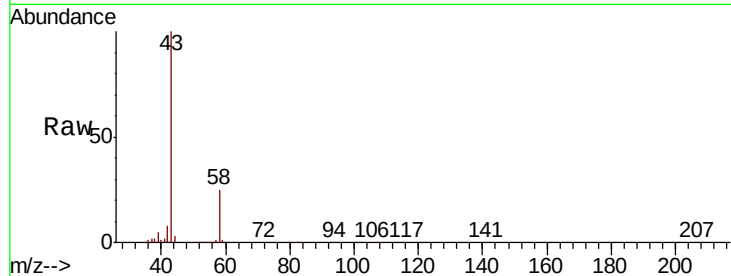
BFB

Tgt Ion: 43 Resp: 1022076

Ion Ratio Lower Upper

43 100

58 26.1 20.6 30.8



#16

1,3-Butadiene

Concen: 9.943 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL032984.D

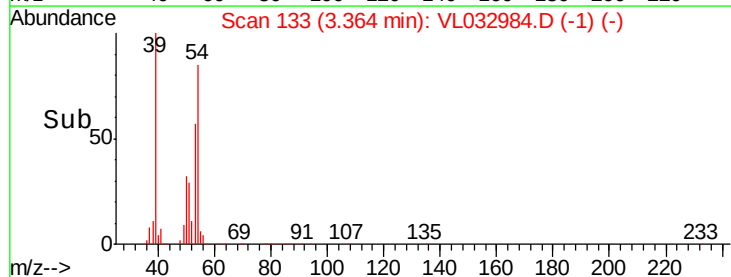
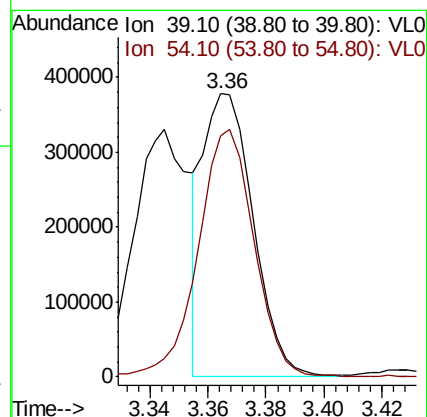
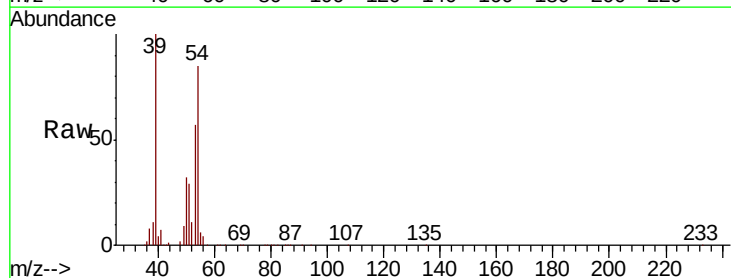
Acq: 13 Dec 2018 14:26

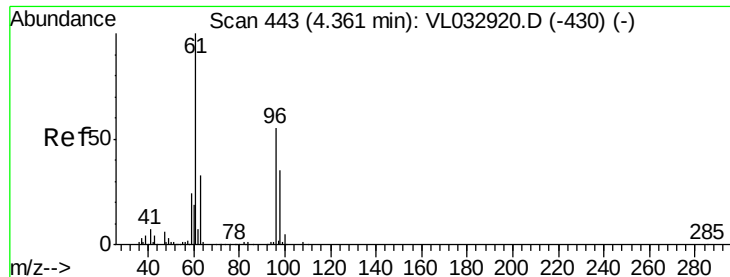
Tgt Ion: 39 Resp: 452354

Ion Ratio Lower Upper

39 100

54 98.9 72.7 109.1



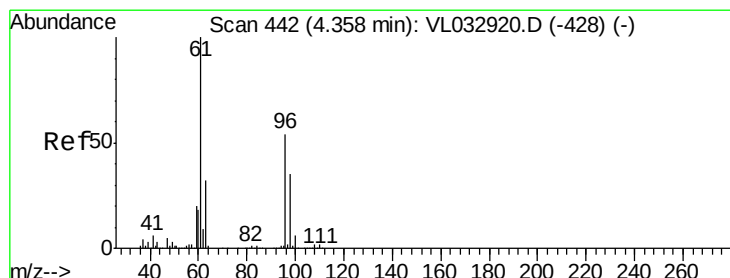
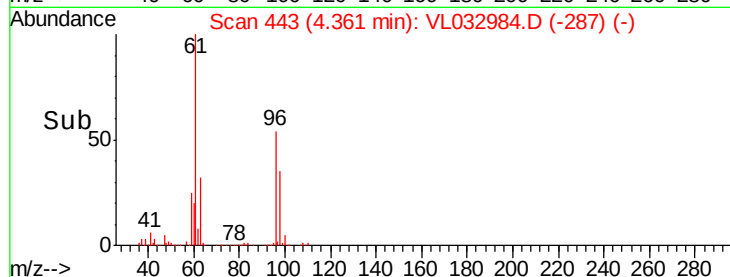
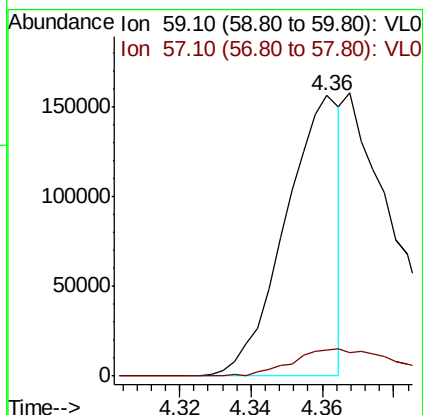
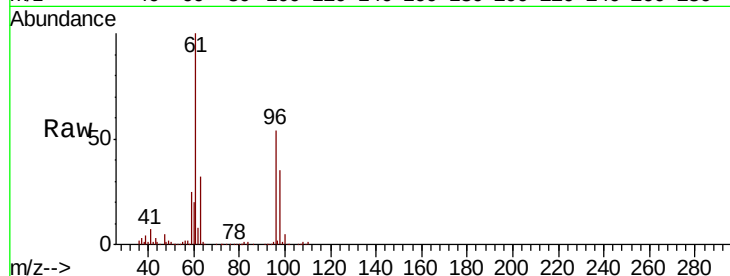


#17

tert-Butyl alcohol
Concen: 5.717 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

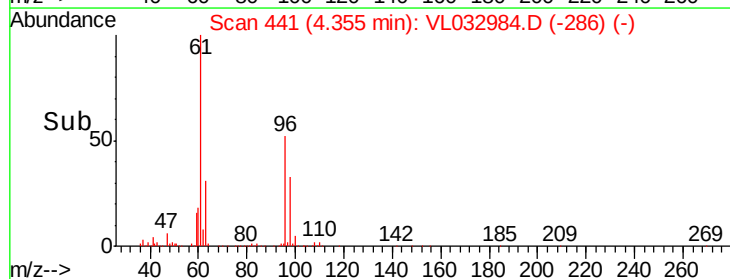
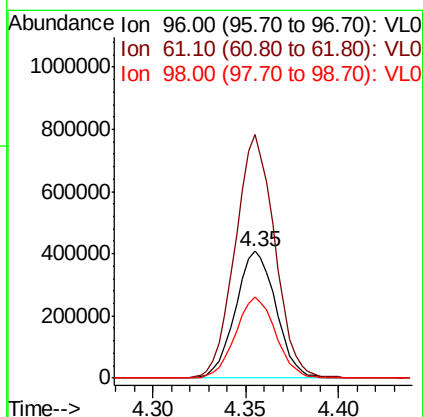
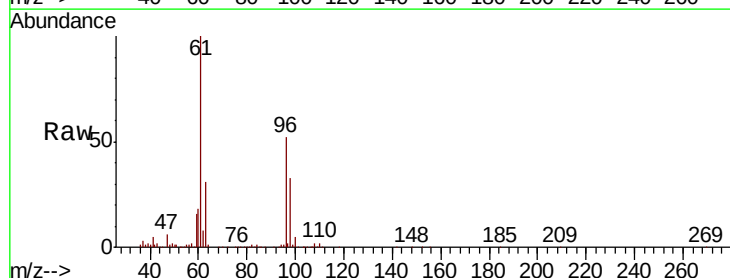
Tgt Ion: 59 Resp: 166905
Ion Ratio Lower Upper
59 100
57 0.0 0.6 1.0#

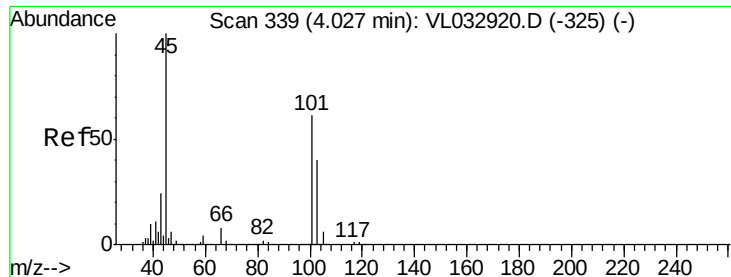


#18

1,1-Dichloroethene
Concen: 10.999 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 96 Resp: 617602
Ion Ratio Lower Upper
96 100
61 192.3 147.0 220.4
98 63.8 50.7 76.1



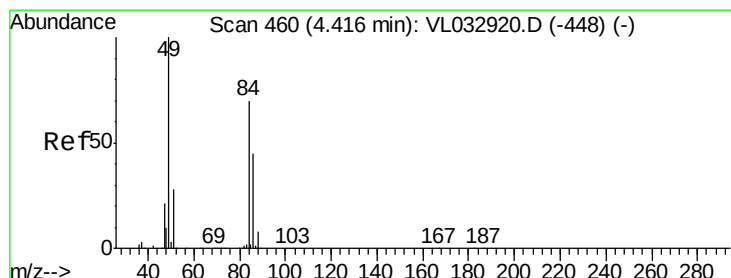
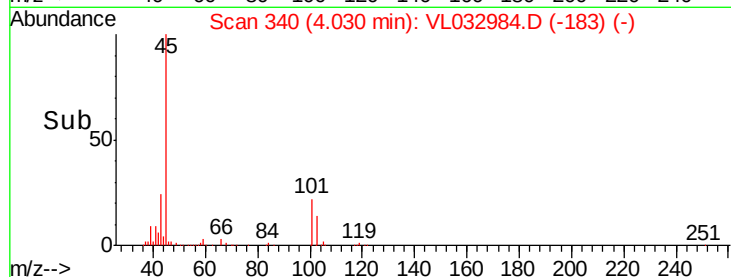
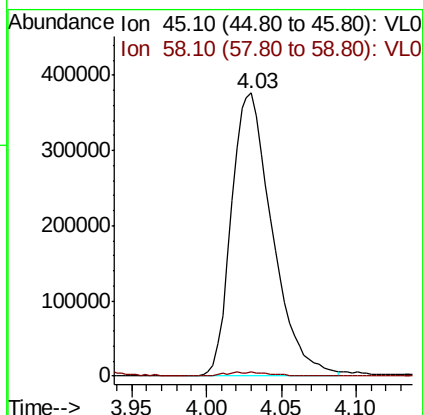
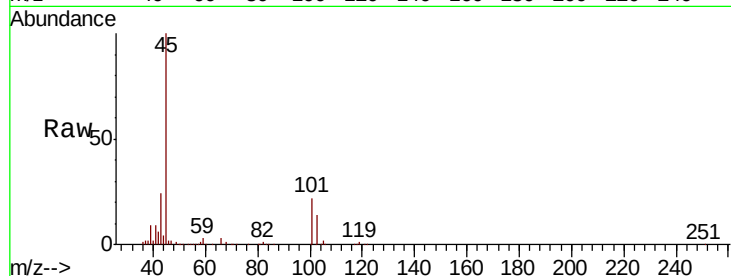


#19

Isopropyl Alcohol
 Concen: 9.920 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

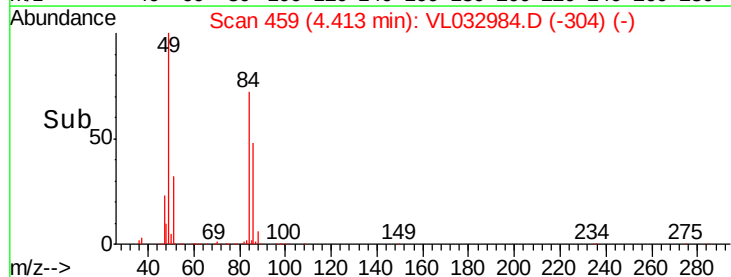
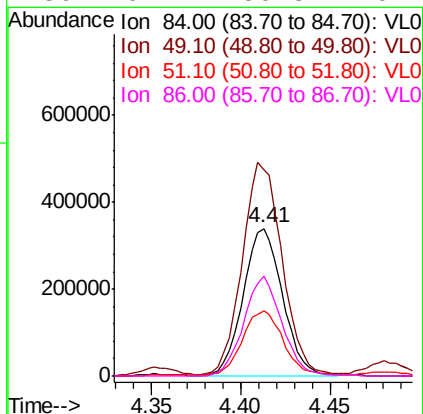
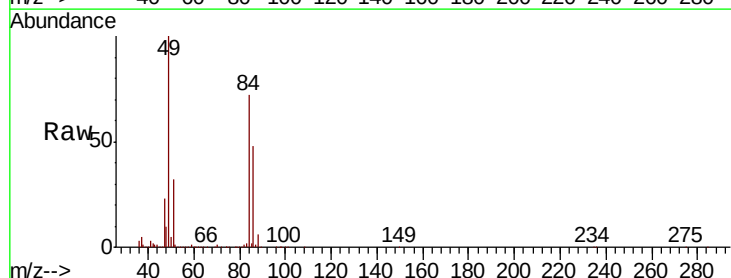
Tgt Ion: 45 Resp: 714395
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.2

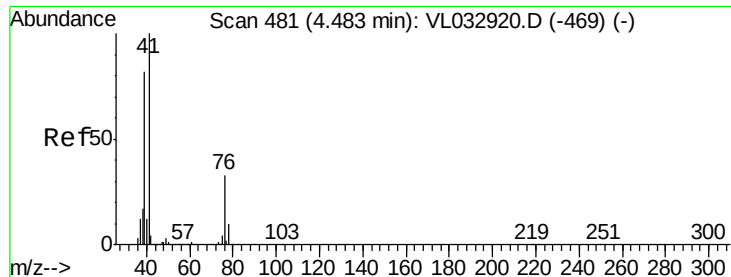


#20

Methylene Chloride
 Concen: 9.356 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 84 Resp: 524348
 Ion Ratio Lower Upper
 84 100
 49 138.2 113.8 170.8
 51 43.6 31.8 47.8
 86 67.4 50.8 76.2





#21

Allyl Chloride

Concen: 10.315 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

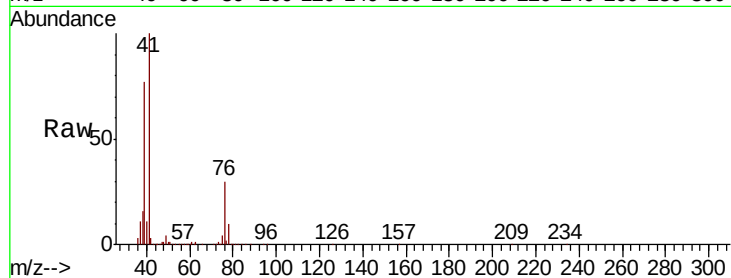
Tgt Ion: 41 Resp: 963916

Ion Ratio Lower Upper

41 100

76 31.7 25.2 37.8

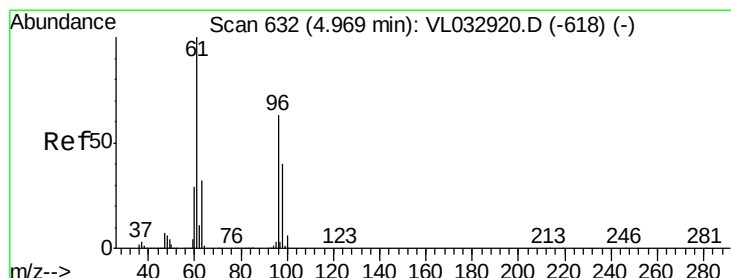
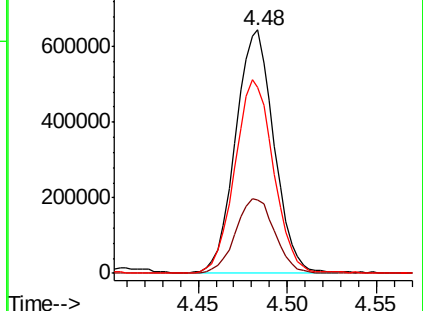
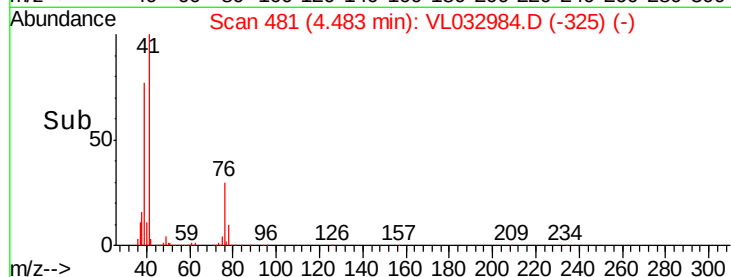
39 80.7 65.2 97.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 8.999 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

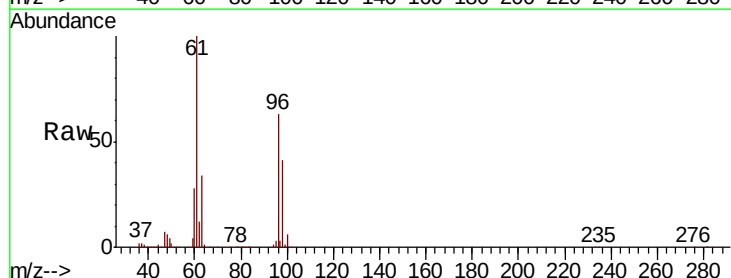
Tgt Ion: 96 Resp: 627068

Ion Ratio Lower Upper

96 100

61 159.1 127.1 190.7

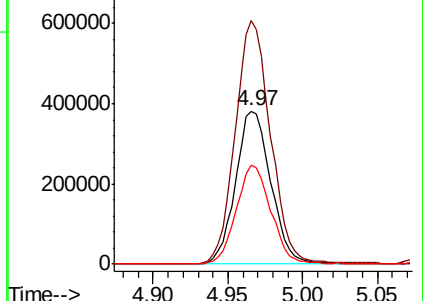
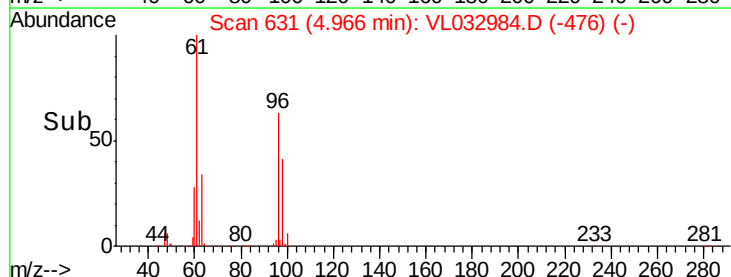
98 65.0 51.3 76.9

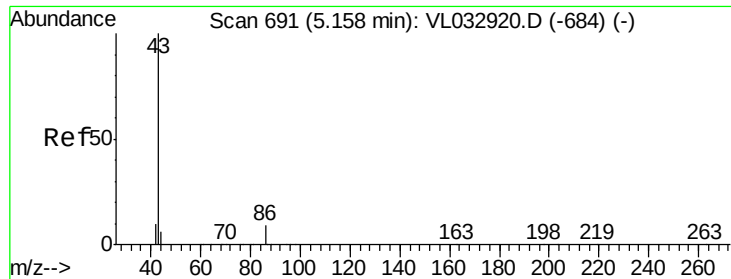


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.903 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 2311100

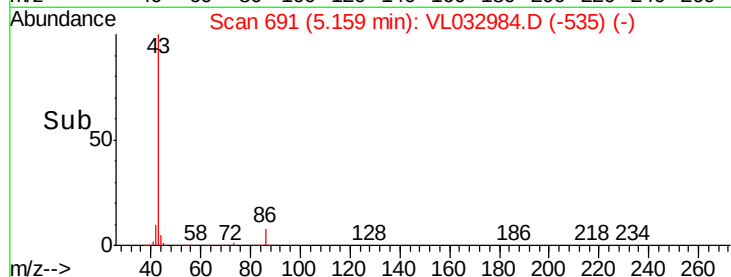
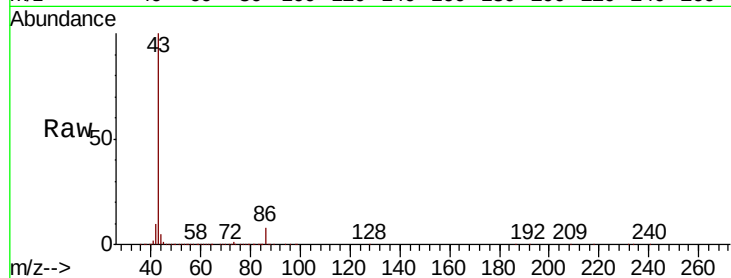
Ion Ratio Lower Upper

43 100

86 8.4 6.6 9.8

42 10.2 8.3 12.5

44 5.3 4.2 6.4

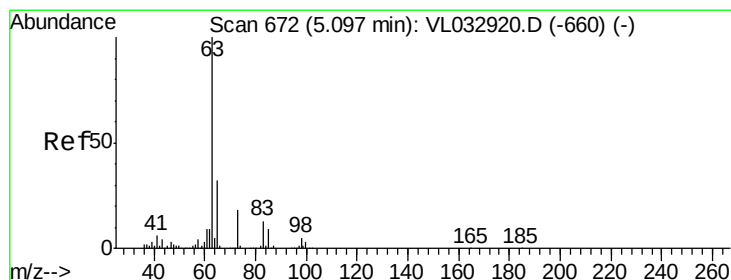
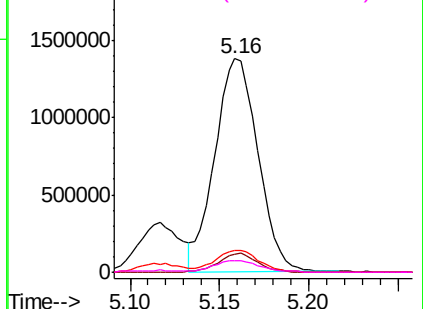


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.453 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

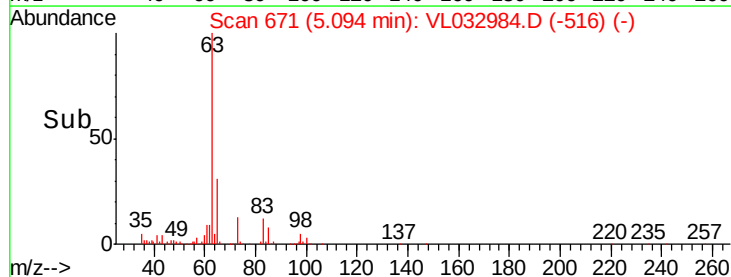
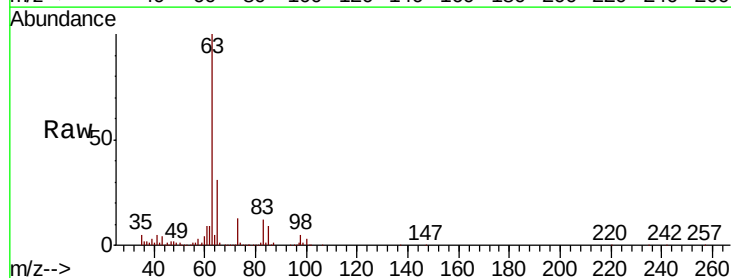
Tgt Ion: 63 Resp: 1764703

Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.5

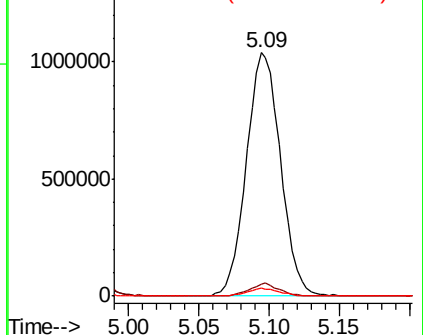
100 3.1 1.4 4.2

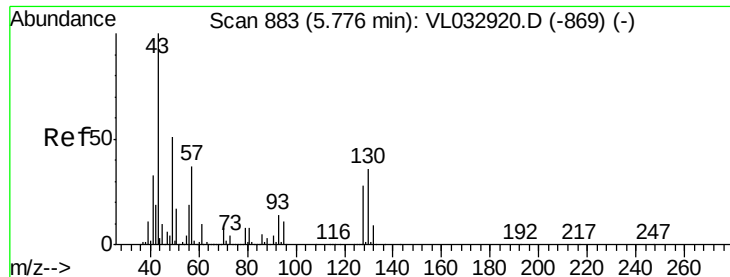


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

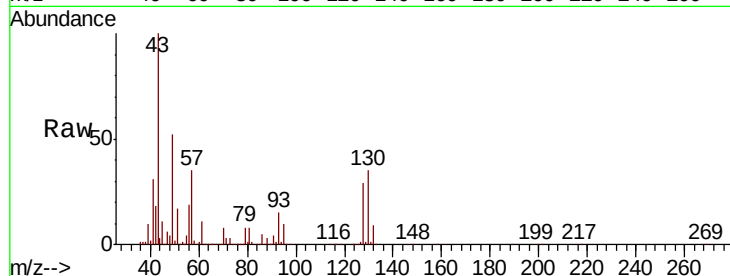




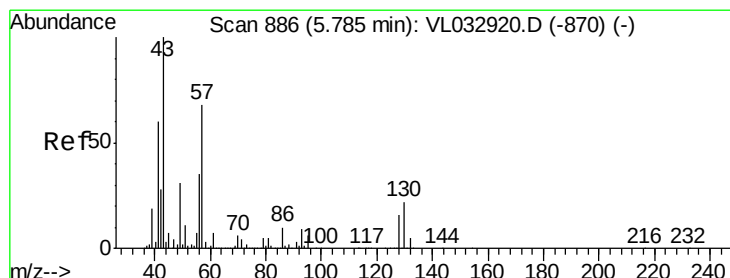
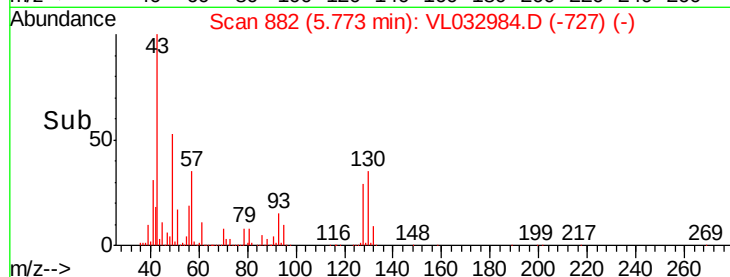
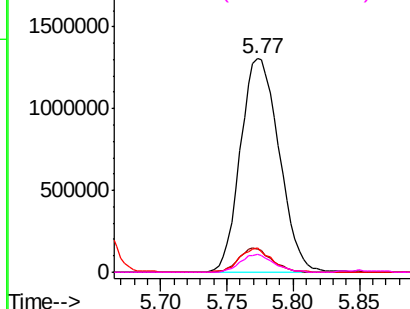
#25
Ethyl Acetate
Concen: 9.795 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 2653196
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.6
61 9.6 7.4 11.2
70 7.3 5.7 8.5

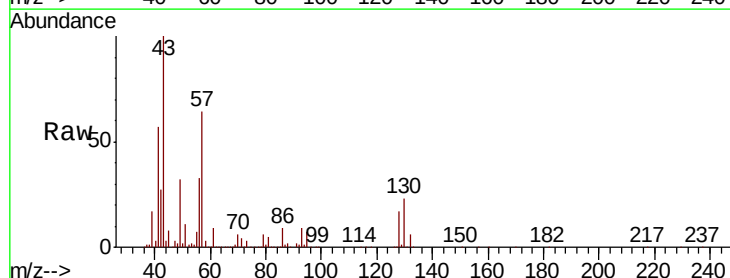


Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

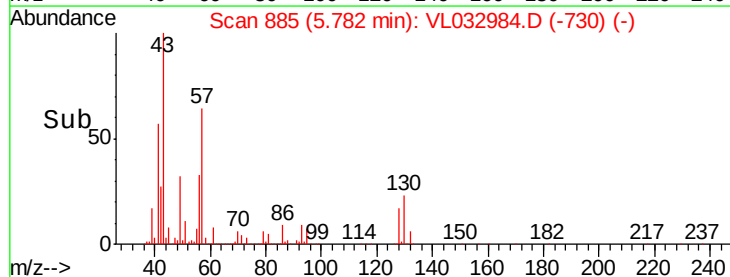
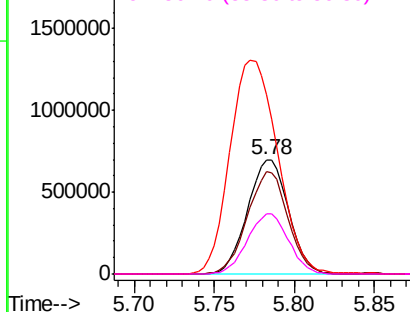


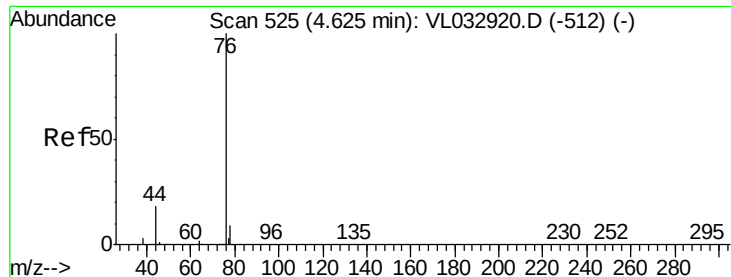
#26
Hexane
Concen: 9.782 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 57 Resp: 1223435
Ion Ratio Lower Upper
57 100
41 88.9 72.2 108.2
43 217.7 171.9 257.9
56 52.7 42.2 63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
2000000 Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.973 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

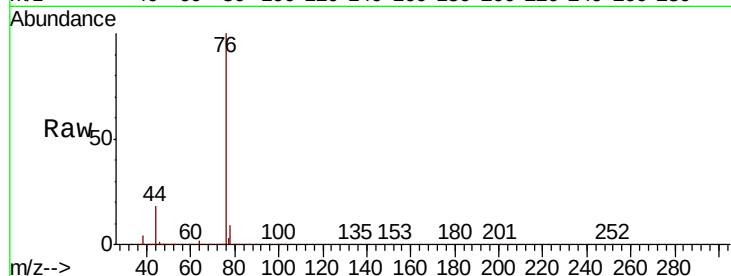
Tgt Ion: 76 Resp: 1559510

Ion Ratio Lower Upper

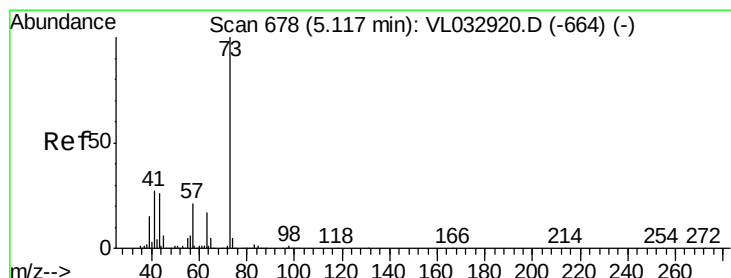
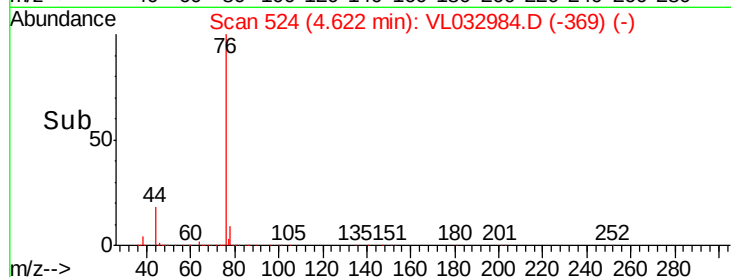
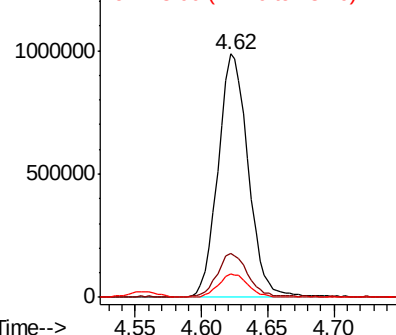
76 100

44 17.9 14.7 22.1

78 9.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.728 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL032984.D

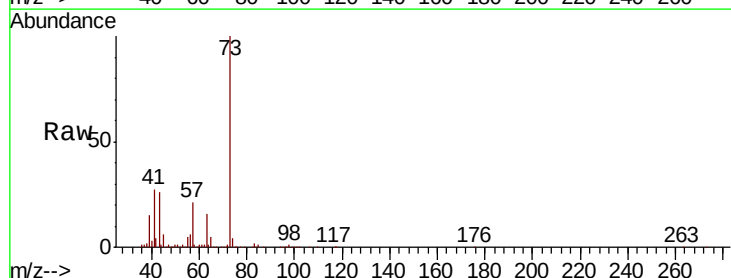
Acq: 13 Dec 2018 14:26

Tgt Ion: 73 Resp: 2202893

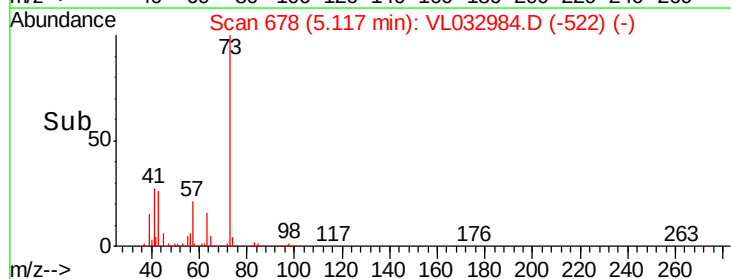
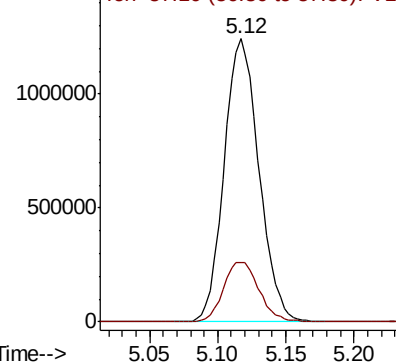
Ion Ratio Lower Upper

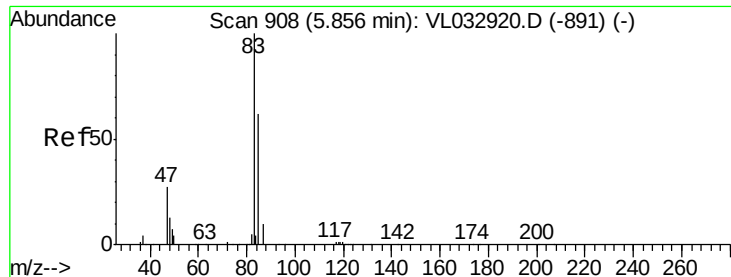
73 100

57 21.8 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

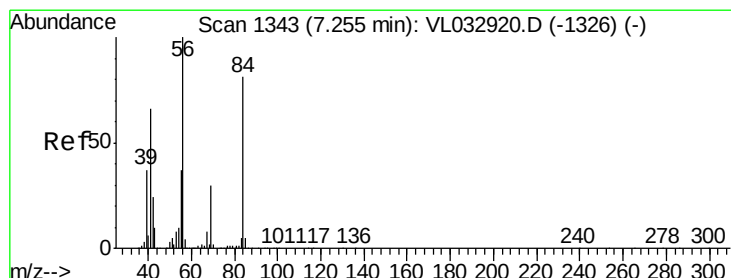
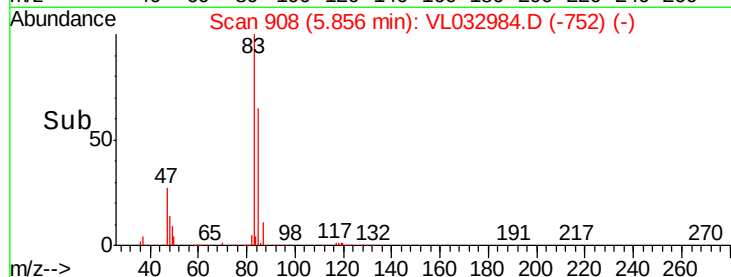
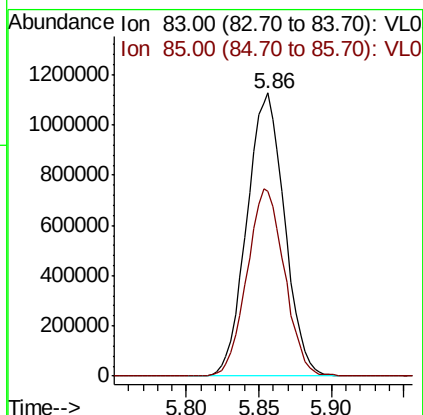
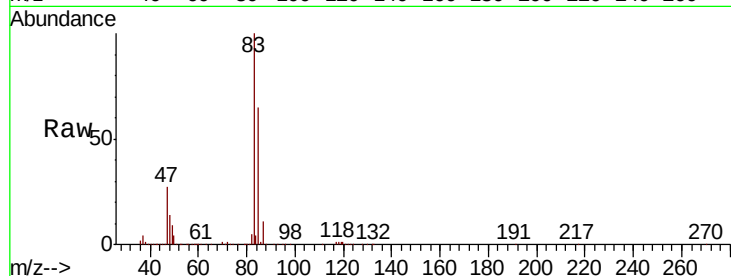




#29
Chloroform
Concen: 9.142 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

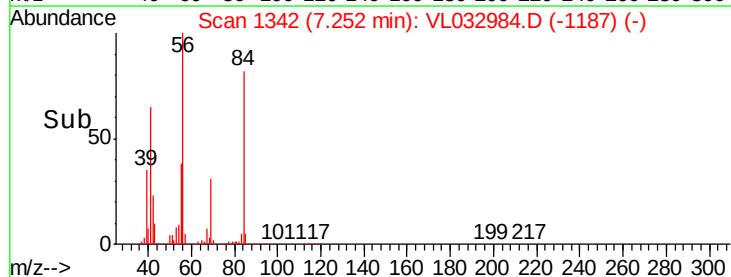
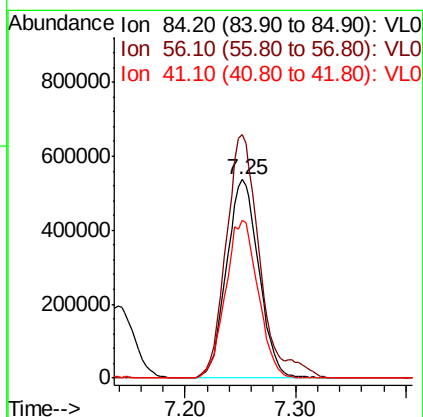
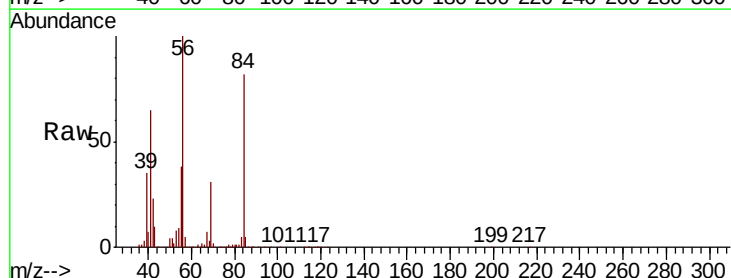
Instrument :
MSVOA_L
ClientSampleId :
BFB

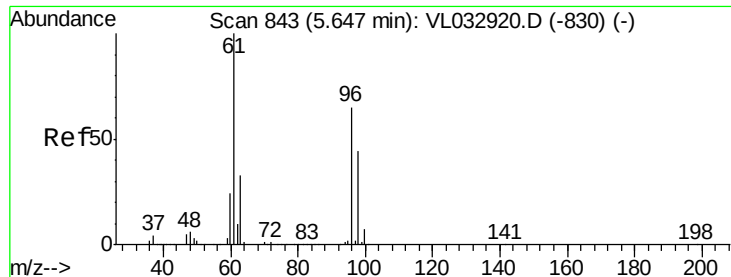
Tgt Ion: 83 Resp: 2040132
Ion Ratio Lower Upper
83 100
85 65.0 49.8 74.8



#30
Cyclohexane
Concen: 10.527 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 84 Resp: 1091226
Ion Ratio Lower Upper
84 100
56 127.4 102.5 153.7
41 80.0 64.1 96.1





#31

cis-1,2-Dichloroethene

Concen: 10.190 ppbv

RT: 5.65 min Scan# 843

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

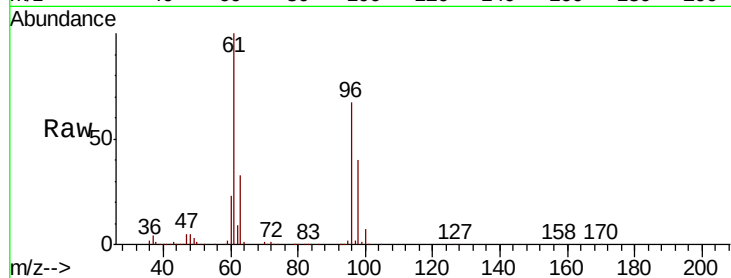
Tgt Ion: 61 Resp: 1169416

Ion Ratio Lower Upper

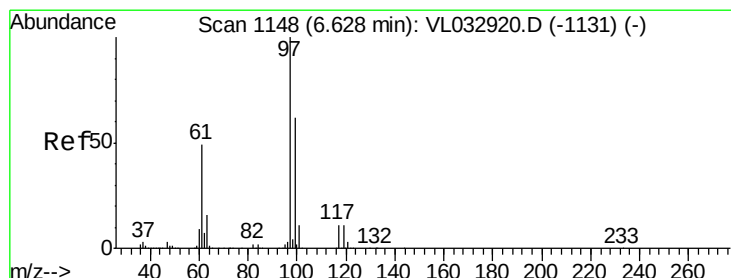
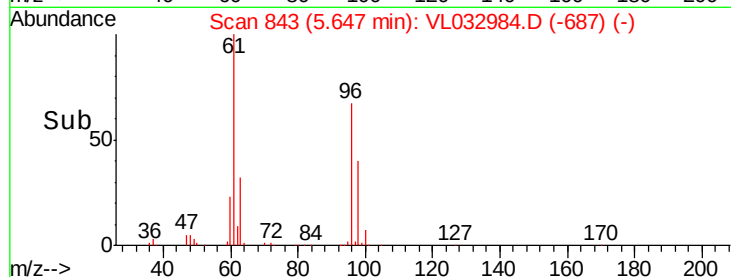
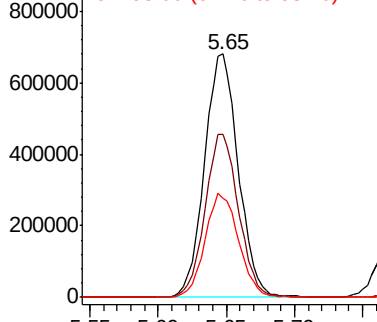
61 100

96 67.1 51.9 77.9

98 40.4 35.0 52.4



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: 9.499 ppbv

RT: 6.62 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

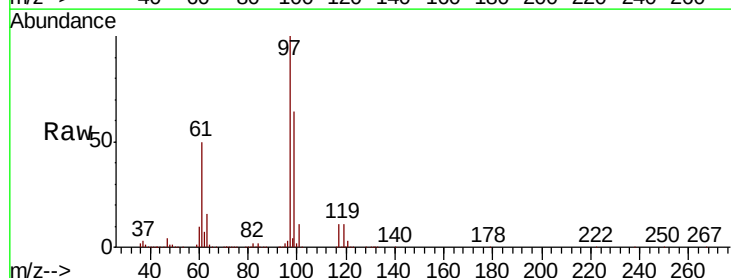
Tgt Ion: 97 Resp: 2242826

Ion Ratio Lower Upper

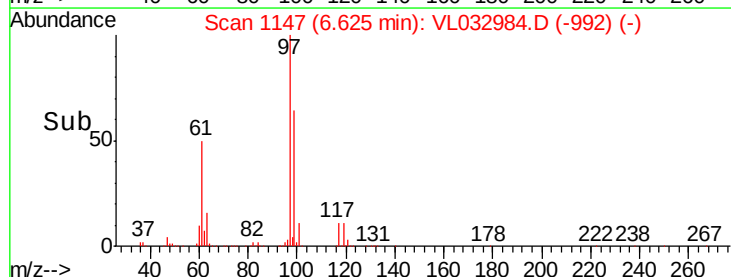
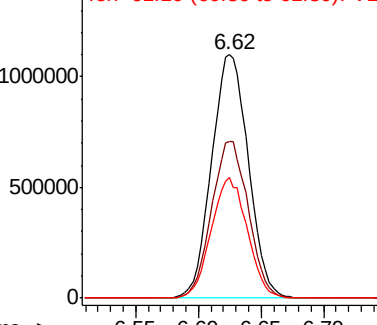
97 100

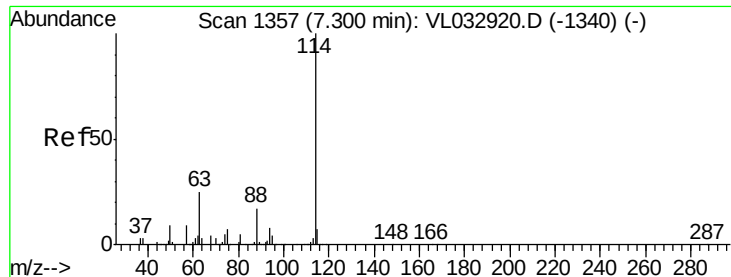
99 64.3 51.1 76.7

61 48.8 39.3 58.9



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

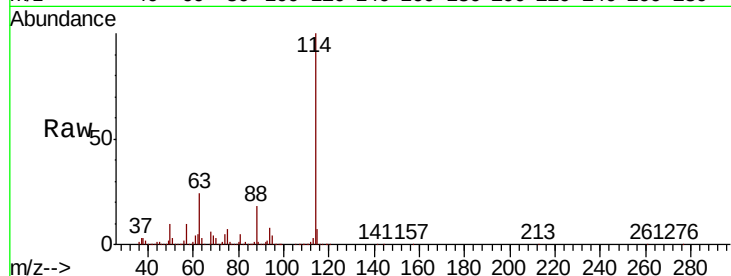




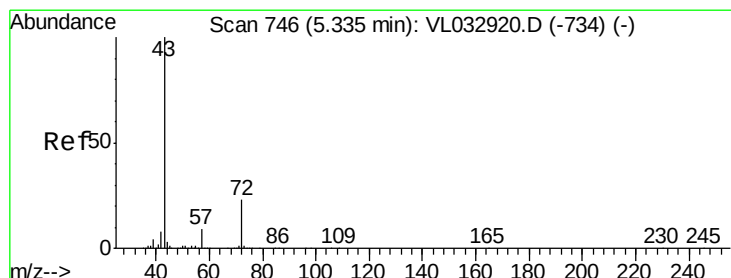
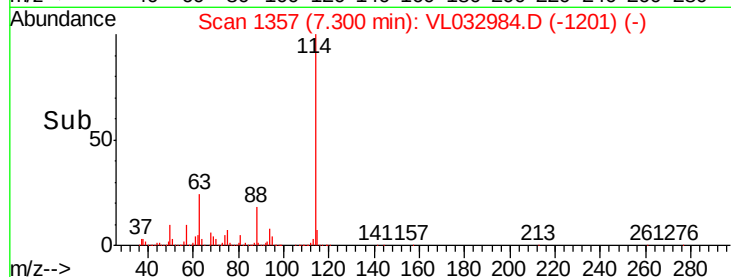
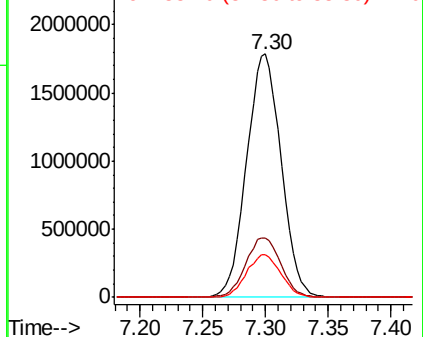
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:114 Resp: 3405450
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.6 14.2 21.4

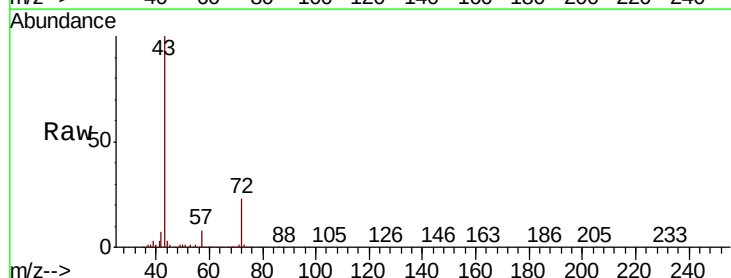


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

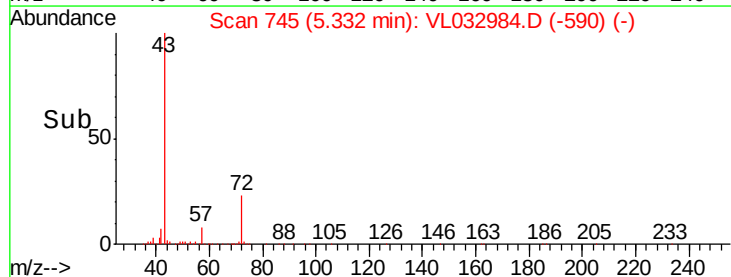
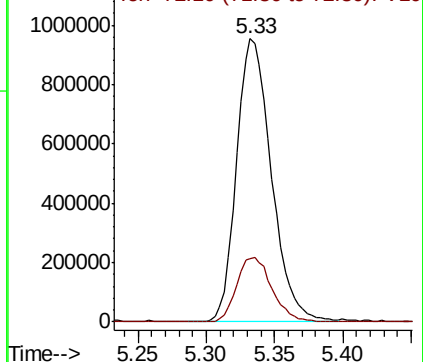


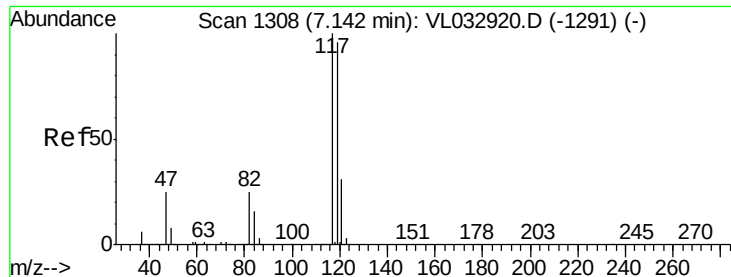
#34
 2-Butanone
 Concen: 11.377 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 43 Resp: 1687613
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.854 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

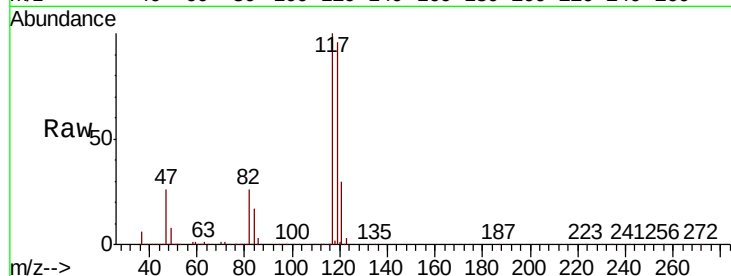
Tgt Ion:117 Resp: 2369990

Ion Ratio Lower Upper

117 100

119 95.7 76.5 114.7

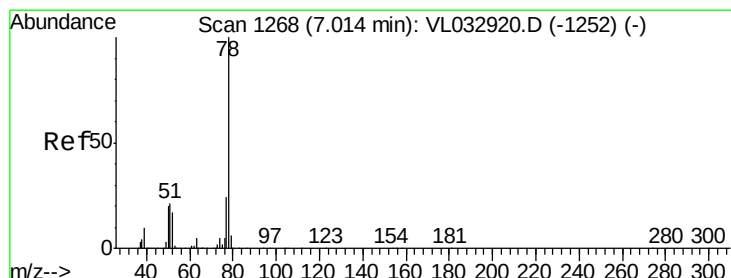
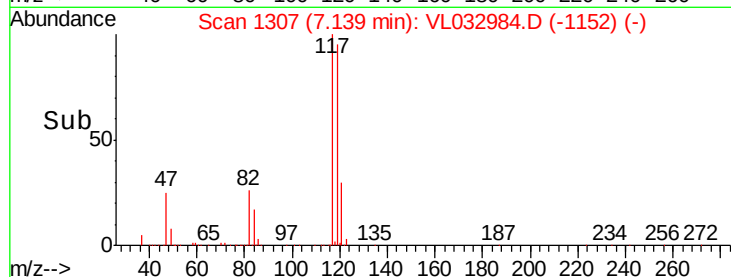
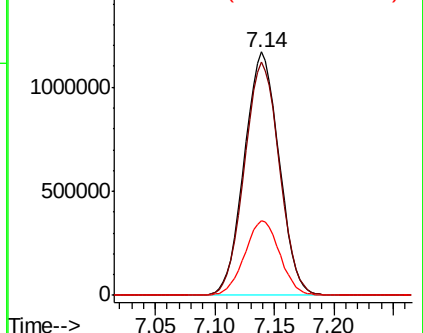
121 30.5 24.5 36.7



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: 9.383 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

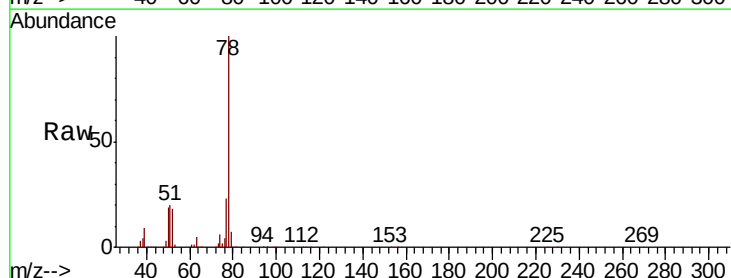
Tgt Ion: 78 Resp: 2350189

Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3

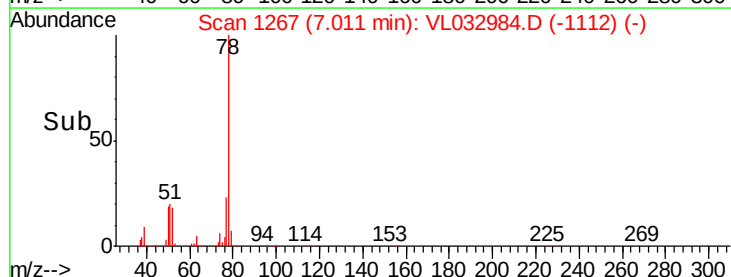
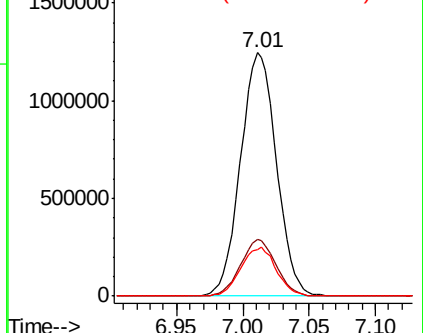
50 19.4 16.1 24.1

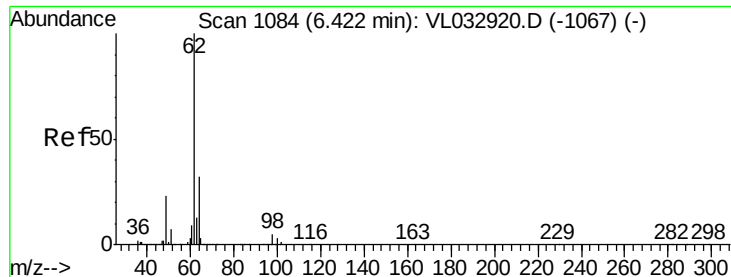


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

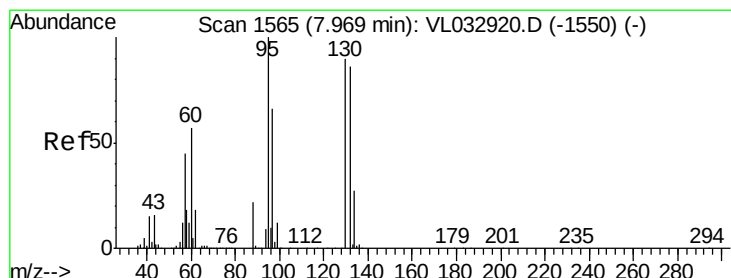
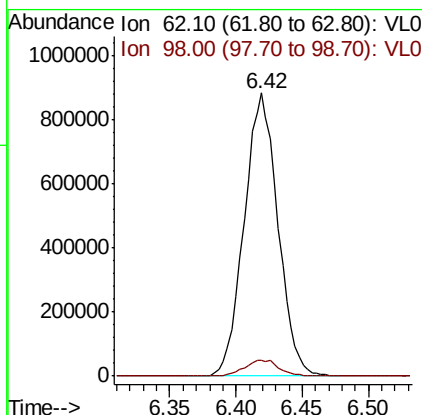
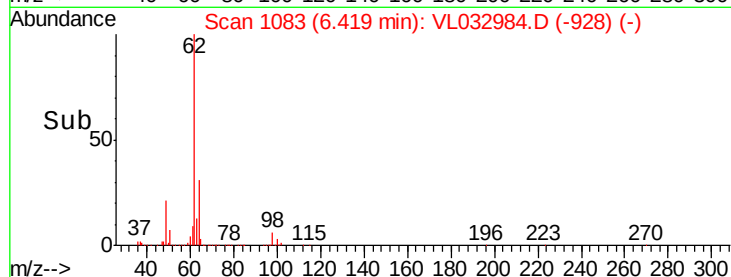
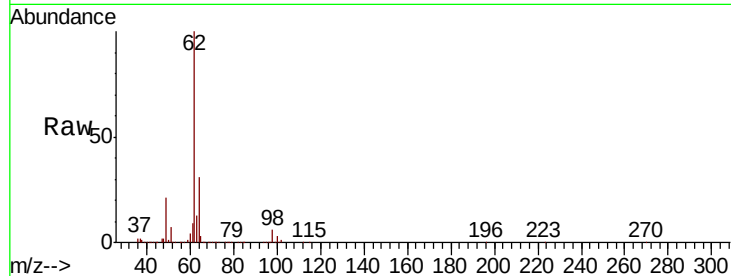




#37
 1,2-Dichloroethane
 Concen: 9.193 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

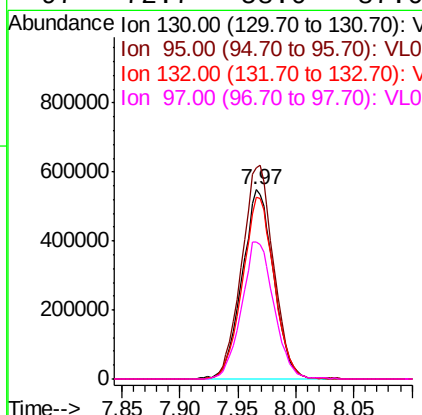
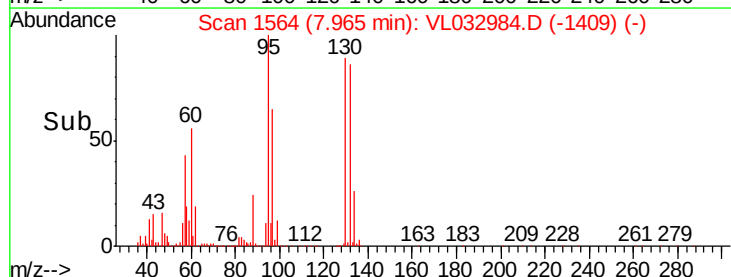
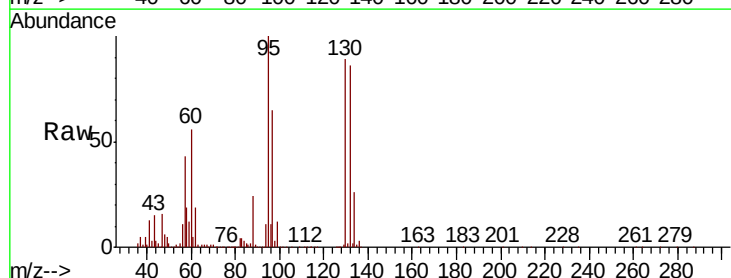
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

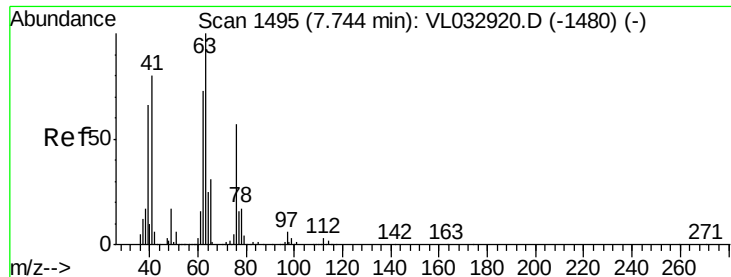
Tgt Ion: 62 Resp: 1567717
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.3 6.5



#38
 Trichloroethene
 Concen: 9.930 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 130 Resp: 1035145
 Ion Ratio Lower Upper
 130 100
 95 111.9 88.6 132.8
 132 96.6 76.1 114.1
 97 72.7 58.0 87.0





#39

1,2-Dichloropropane

Concen: 9.240 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

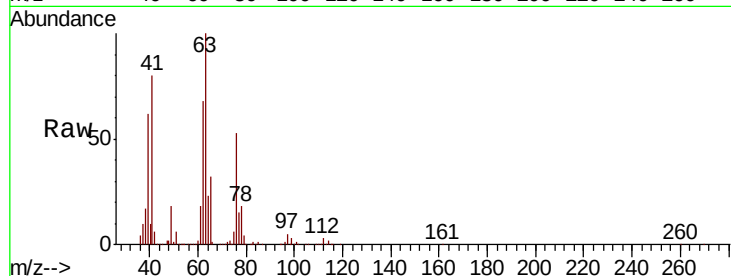
Tgt Ion: 63 Resp: 877765

Ion Ratio Lower Upper

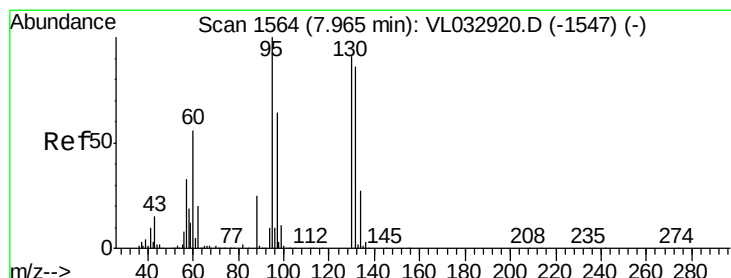
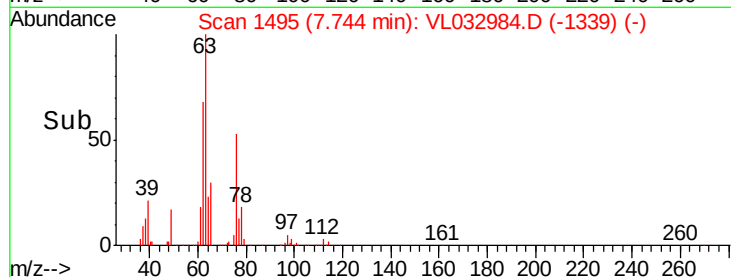
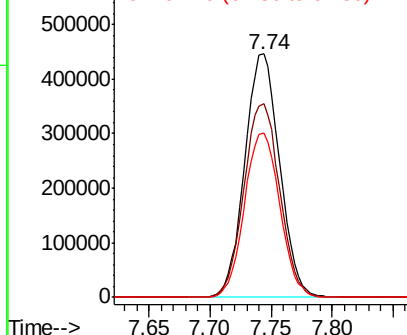
63 100

41 79.7 63.9 95.9

62 67.5 58.8 88.2



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: 9.704 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Tgt Ion: 88 Resp: 339545

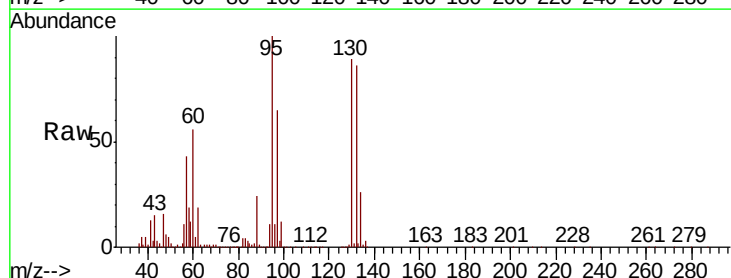
Ion Ratio Lower Upper

88 100

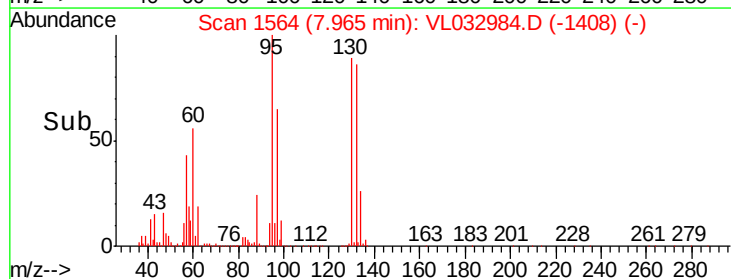
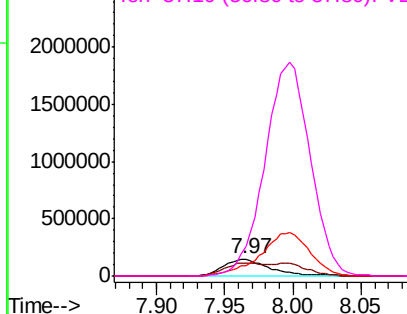
58 130.7 107.4 161.2

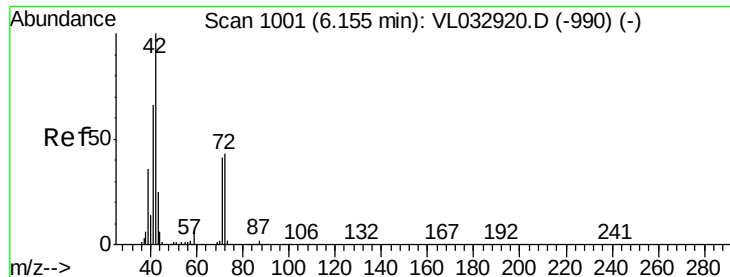
43 282.6 0.0 0.0#

57 1274.8 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: 10.920 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

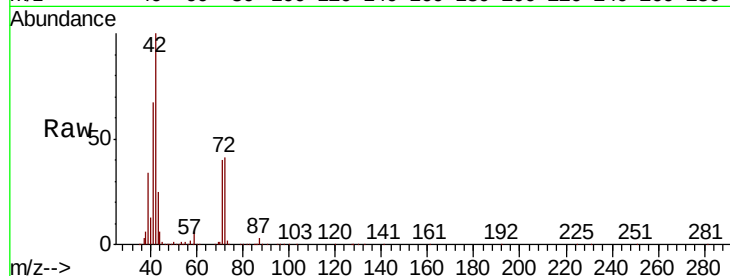
Tgt Ion: 42 Resp: 1007443

Ion Ratio Lower Upper

42 100

72 40.9 32.9 49.3

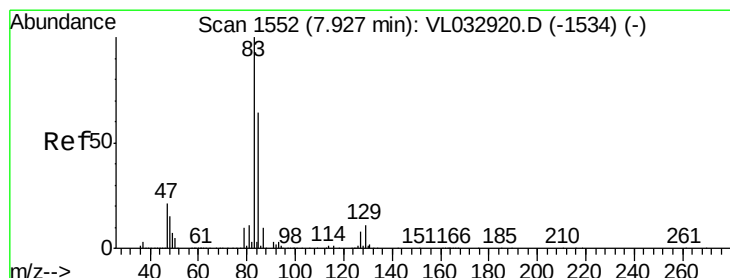
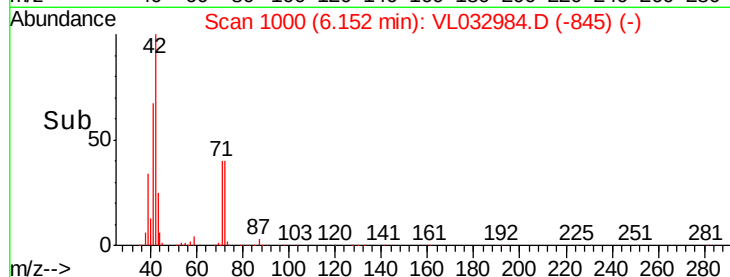
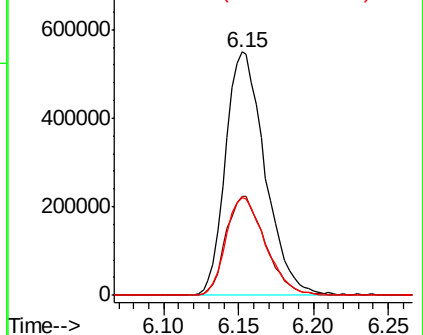
71 40.6 32.0 48.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.031 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

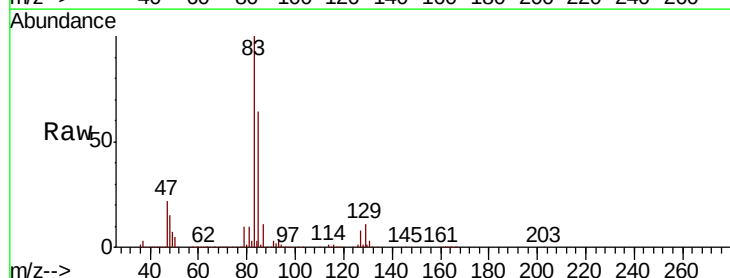
Tgt Ion: 83 Resp: 2133759

Ion Ratio Lower Upper

83 100

85 64.2 50.9 76.3

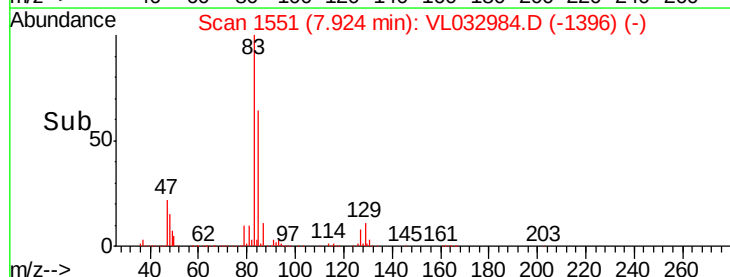
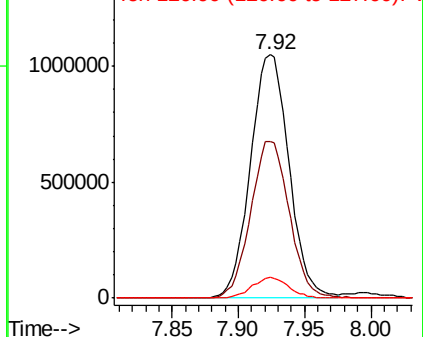
127 8.4 6.7 10.1

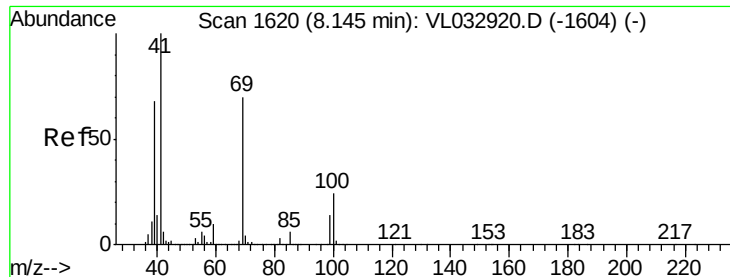


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

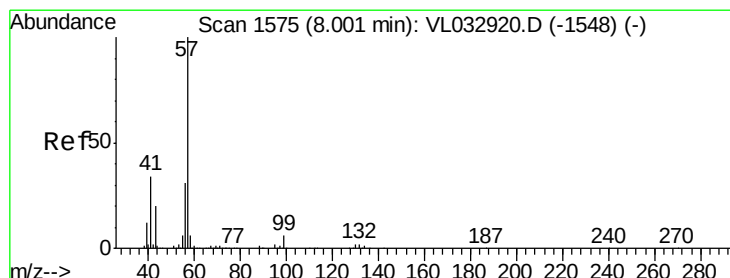
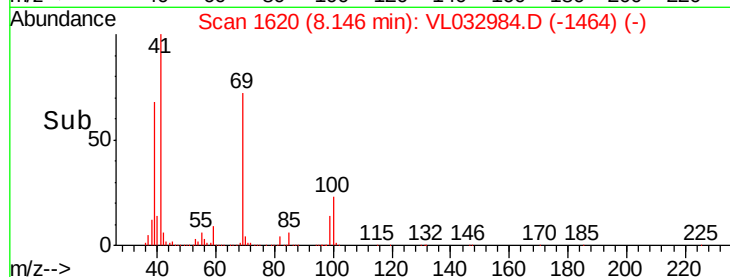
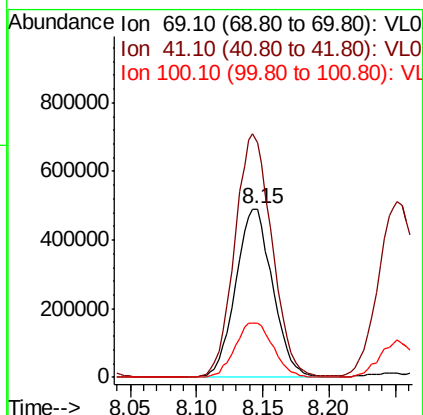
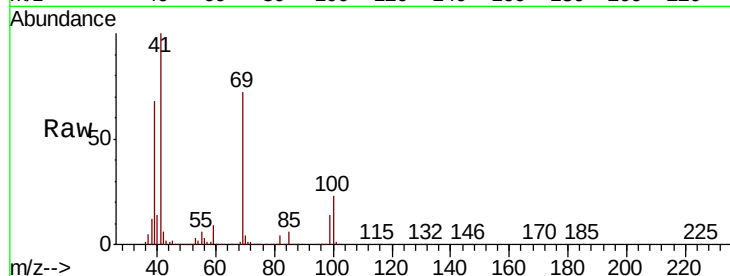




#43
Methyl Methacrylate
Concen: 10.238 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

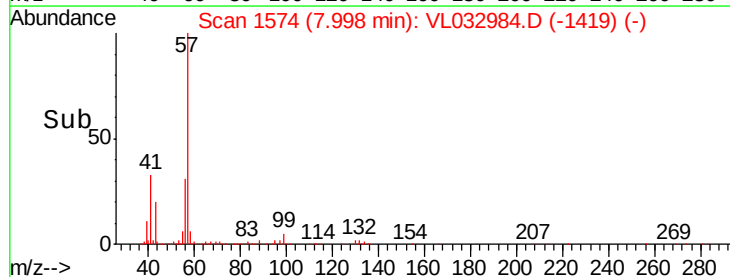
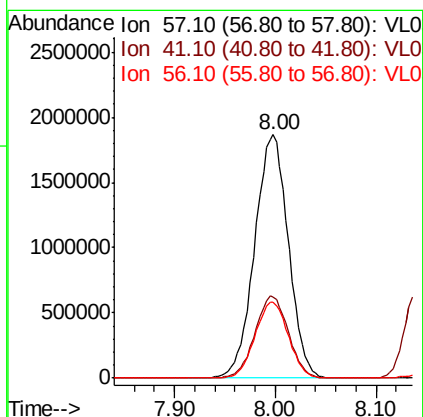
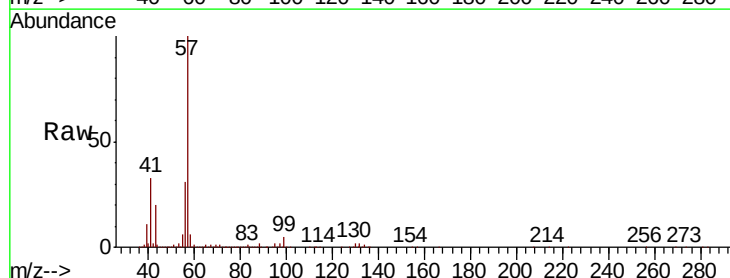
Instrument :
MSVOA_L
ClientSampleId :
BFB

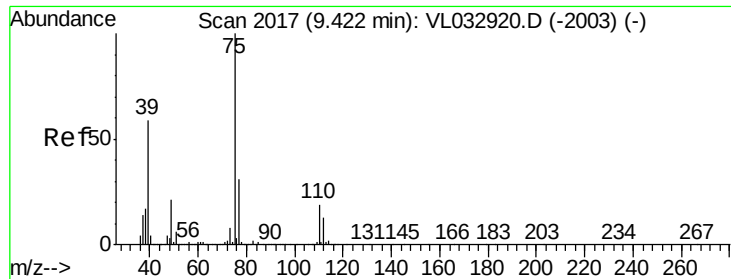
Tgt Ion: 69 Resp: 950194
Ion Ratio Lower Upper
69 100
41 145.3 116.6 175.0
100 33.4 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 10.174 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 57 Resp: 4325659
Ion Ratio Lower Upper
57 100
41 33.3 27.0 40.4
56 30.8 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 12.590 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

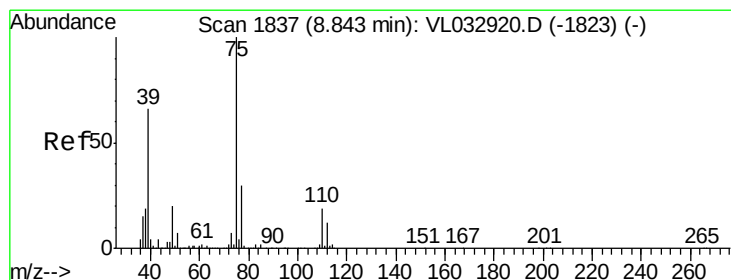
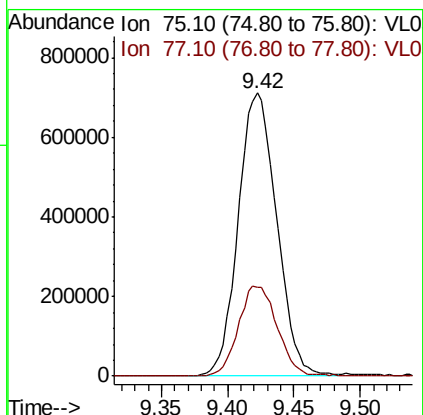
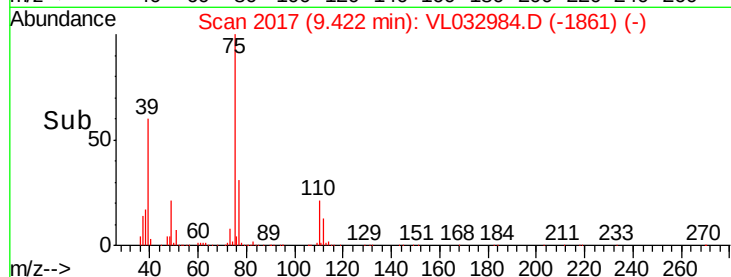
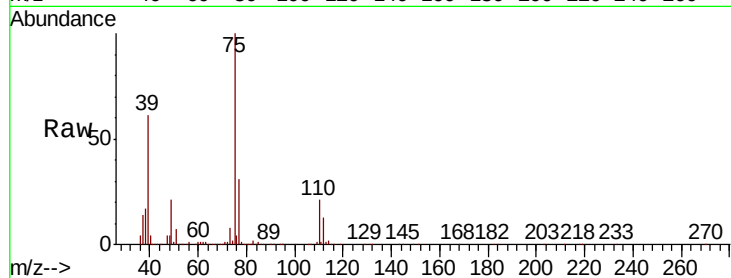
BFB

Tgt Ion: 75 Resp: 1432717

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 11.898 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

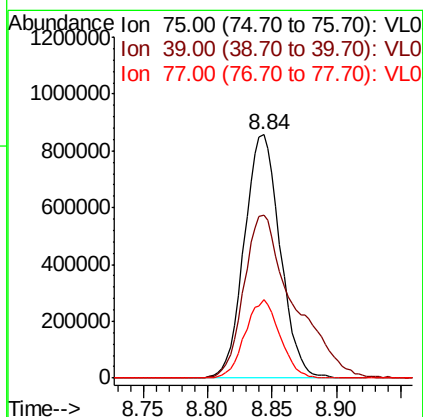
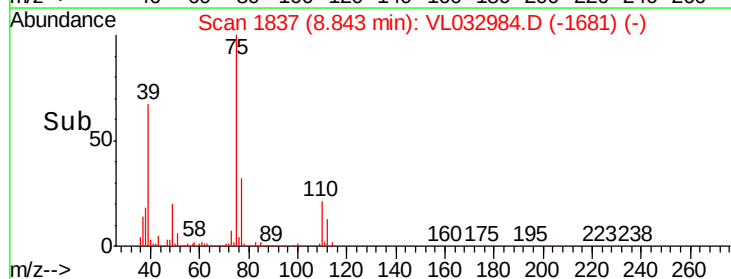
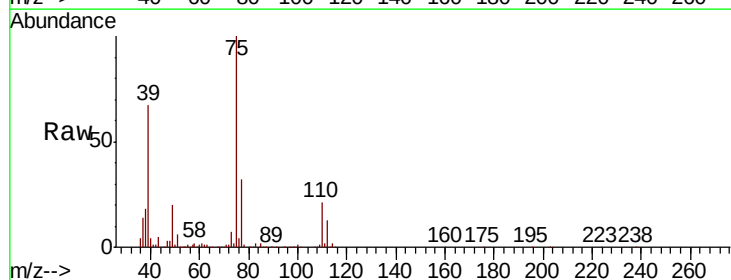
Tgt Ion: 75 Resp: 1657221

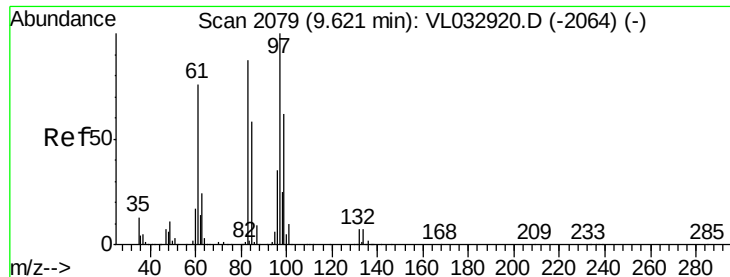
Ion Ratio Lower Upper

75 100

39 66.7 52.8 79.2

77 32.2 24.3 36.5

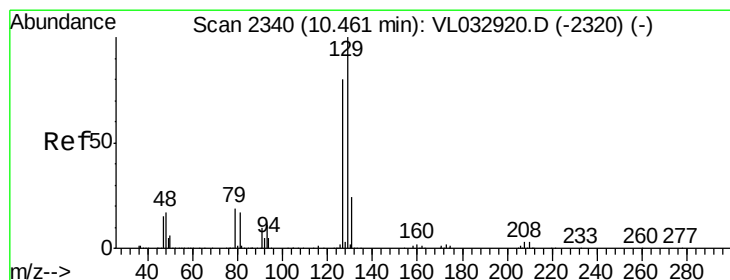
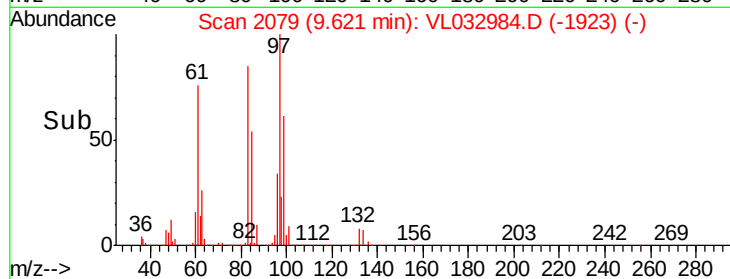
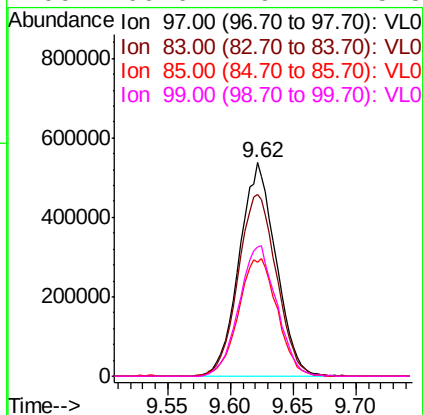
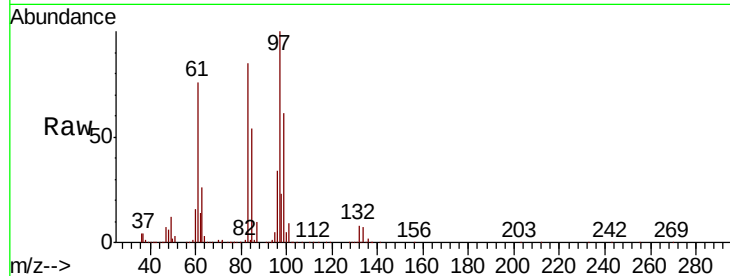




#47
 1,1,2-Trichloroethane
 Concen: 10.454 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

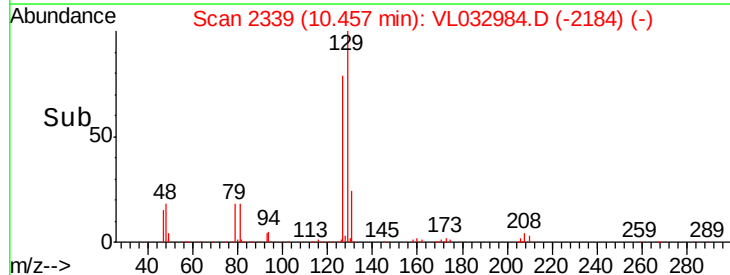
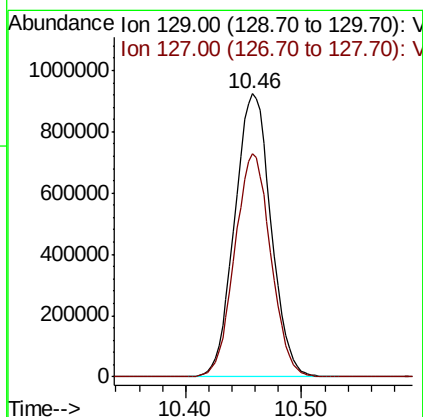
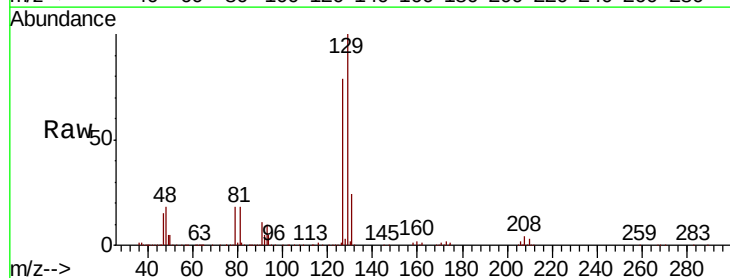
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

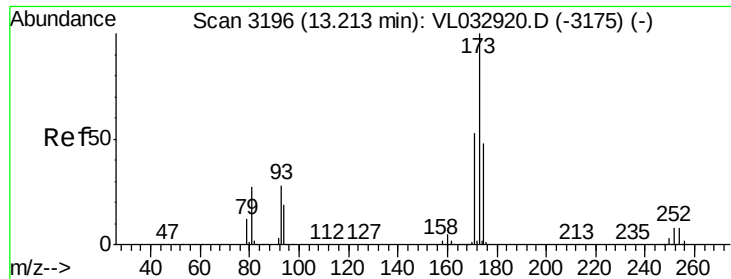
Tgt Ion: 97 Resp: 1093089
 Ion Ratio Lower Upper
 97 100
 83 84.6 69.8 104.8
 85 53.5 46.7 70.1
 99 60.6 49.2 73.8



#48
 Dibromochloromethane
 Concen: 10.262 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 129 Resp: 2012957
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.3 117.8





#49

Bromoform

Concen: 11.072 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

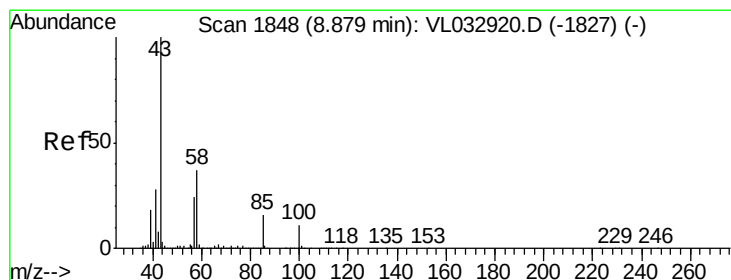
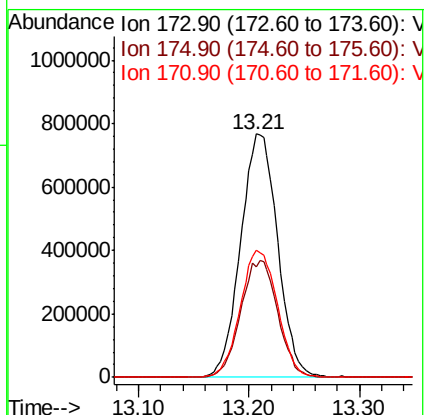
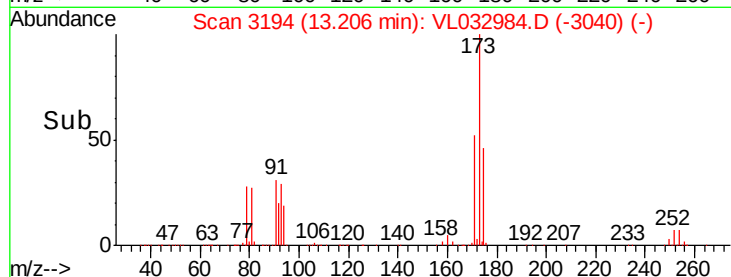
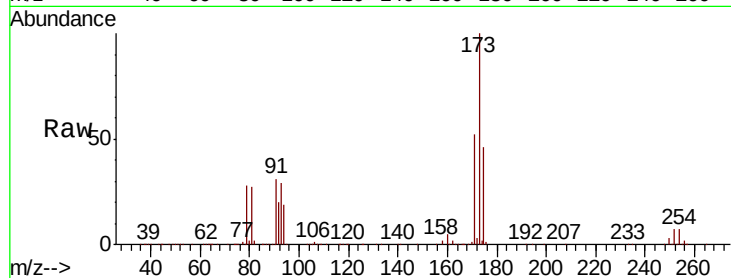
Tgt Ion:173 Resp: 1786206

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

171 52.4 41.5 62.3



#50

4-Methyl-2-Pentanone

Concen: 10.518 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL032984.D

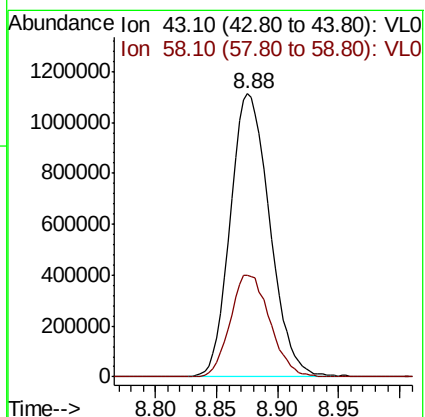
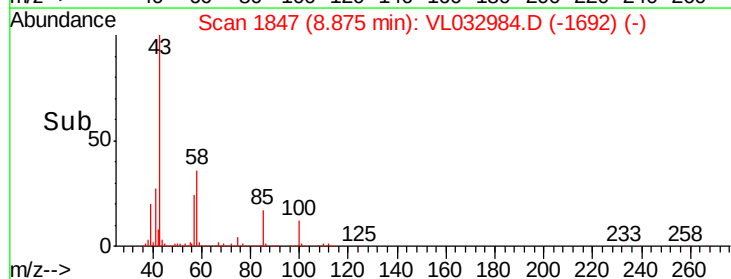
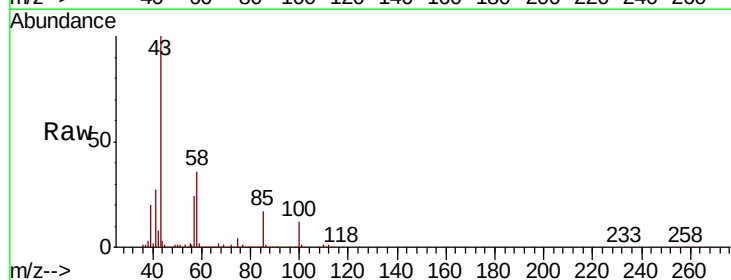
Acq: 13 Dec 2018 14:26

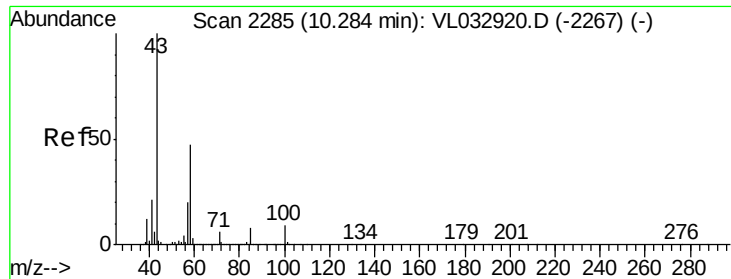
Tgt Ion: 43 Resp: 2494827

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4

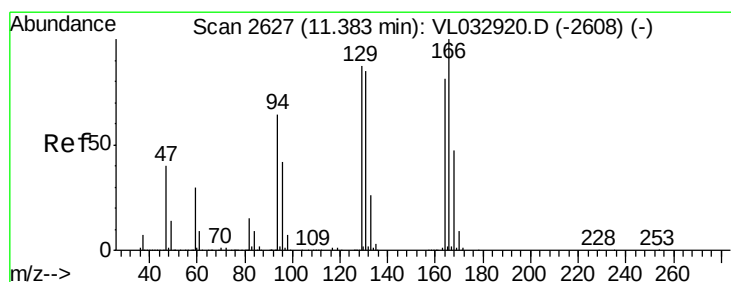
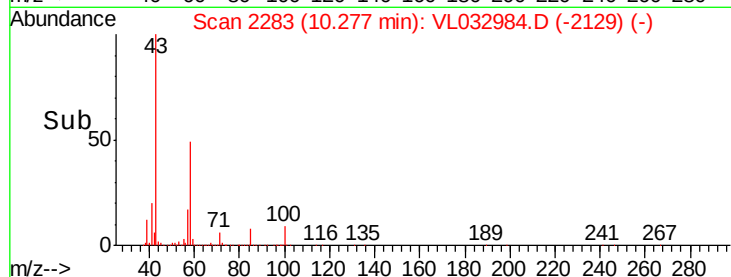
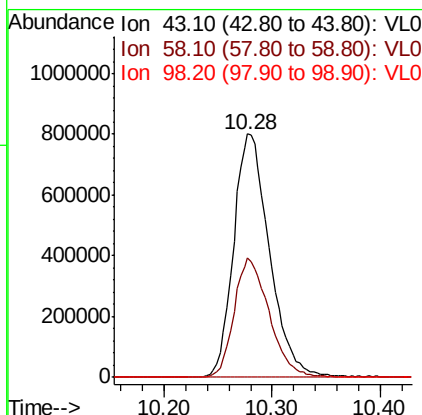
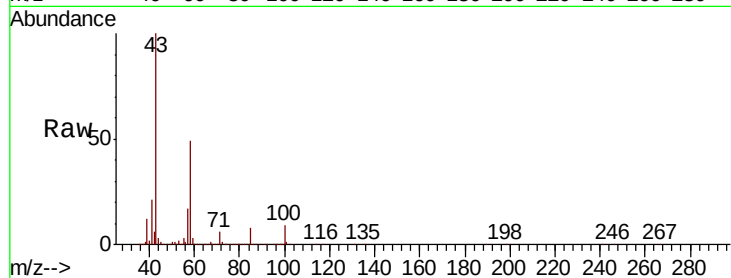




#51
2-Hexanone
Concen: 11.484 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

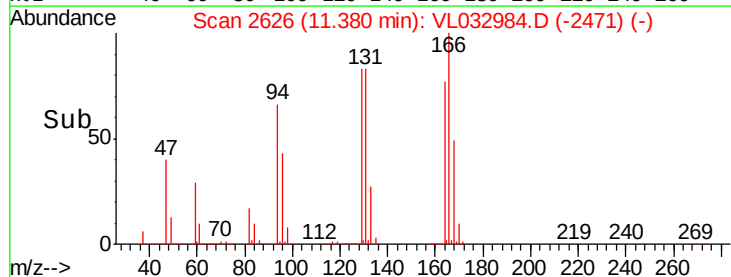
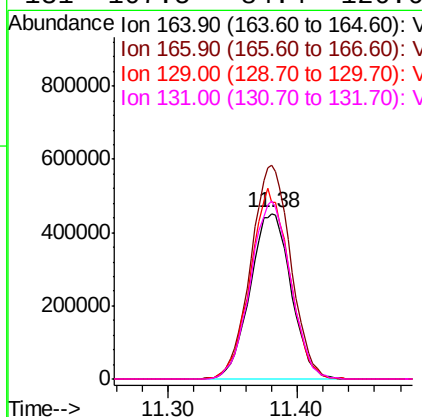
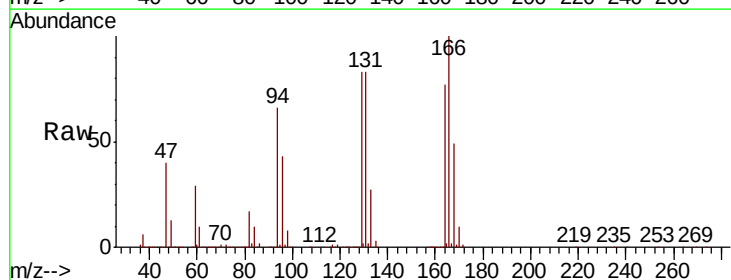
Instrument :
MSVOA_L
ClientSampled :
BFB

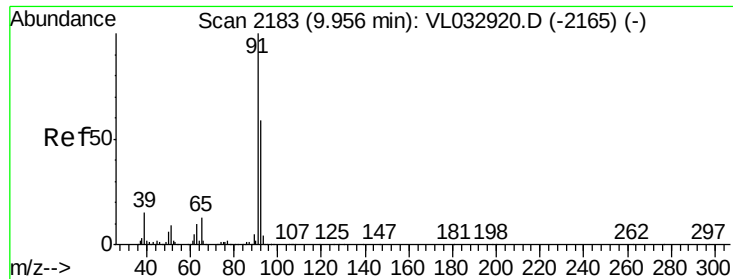
Tgt Ion: 43 Resp: 1847400
Ion Ratio Lower Upper
43 100
58 48.3 38.1 57.1
98 0.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.942 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 164 Resp: 996954
Ion Ratio Lower Upper
164 100
166 129.1 98.8 148.2
129 106.9 85.5 128.3
131 107.5 84.4 126.6





#53

Toluene

Concen: 11.443 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

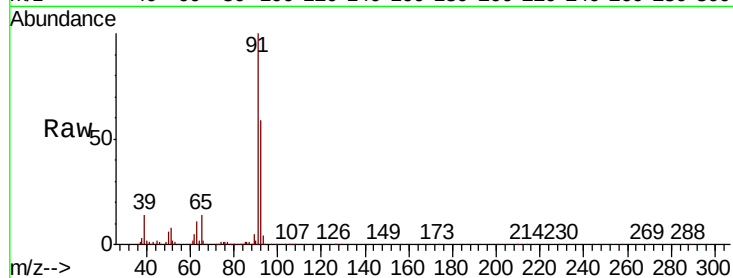
BFB

Tgt Ion: 91 Resp: 3039923

Ion Ratio Lower Upper

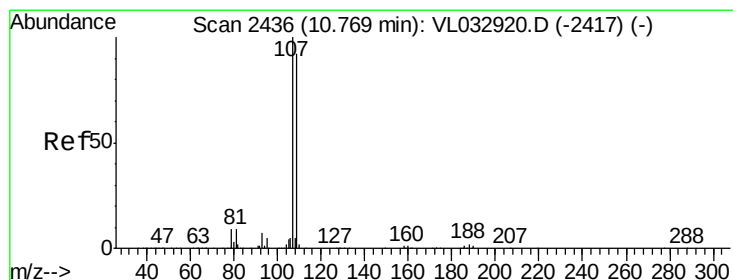
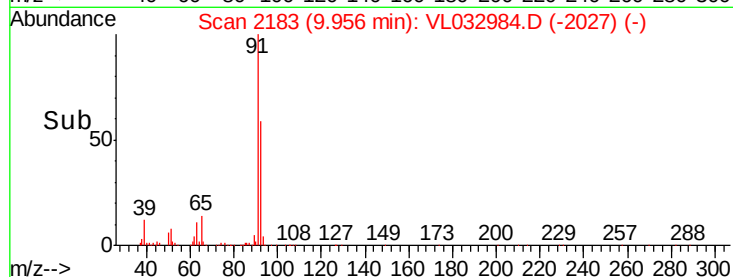
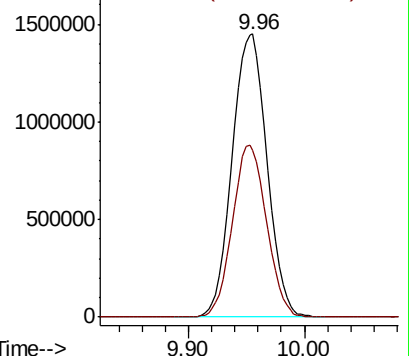
91 100

92 59.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.260 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL032984.D

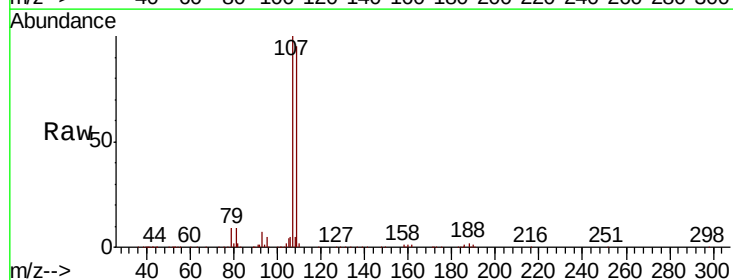
Acq: 13 Dec 2018 14:26

Tgt Ion: 107 Resp: 1675924

Ion Ratio Lower Upper

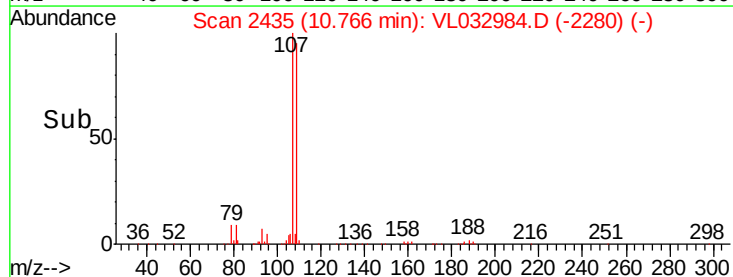
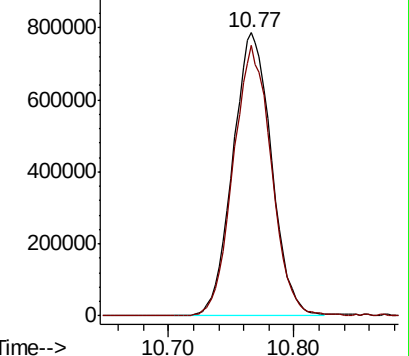
107 100

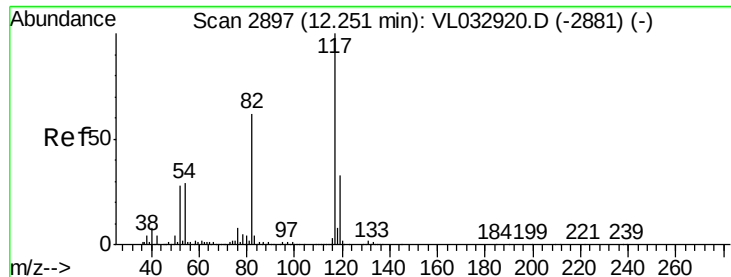
109 95.4 73.4 110.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

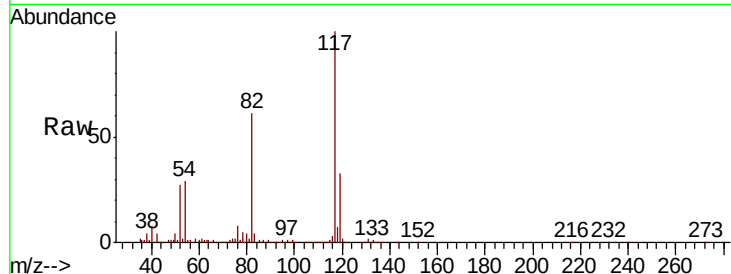




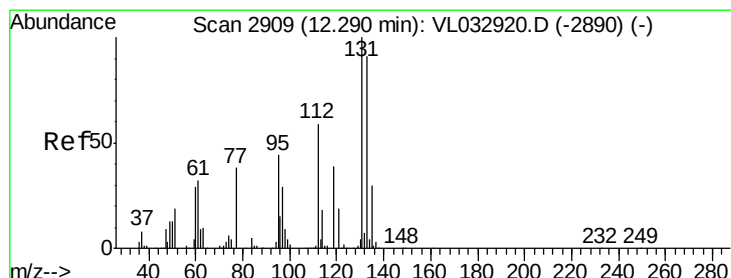
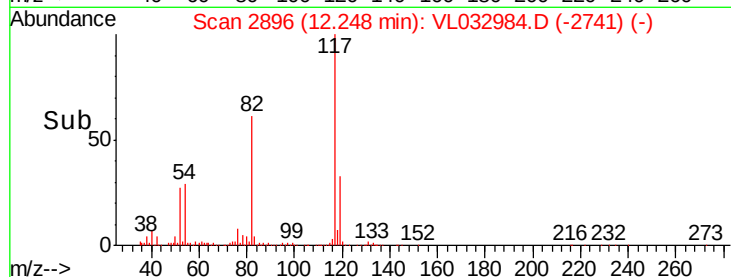
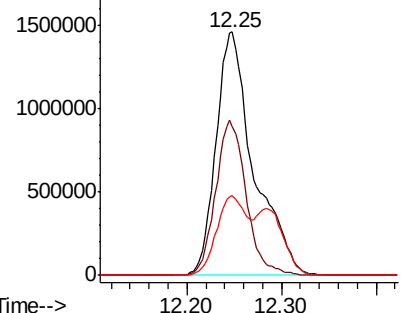
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 4054724
Ion Ratio Lower Upper
117 100
82 51.6 47.8 71.8
119 46.8 43.1 64.7

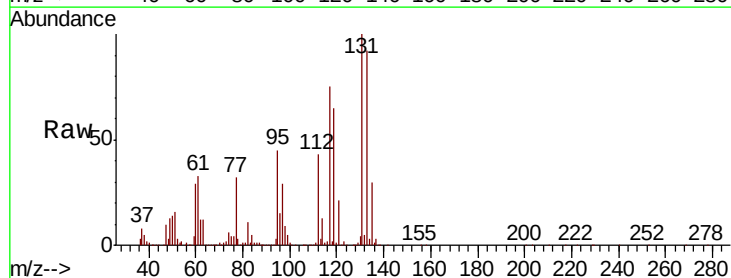


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

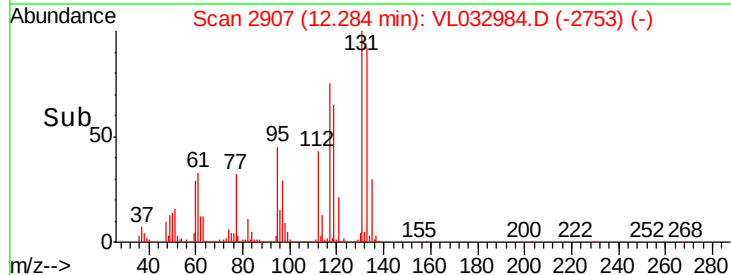
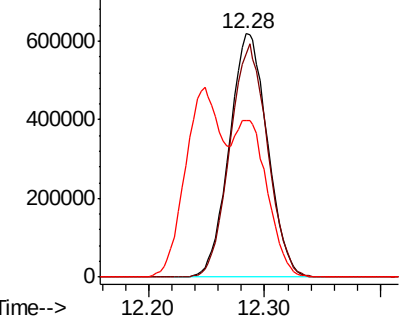


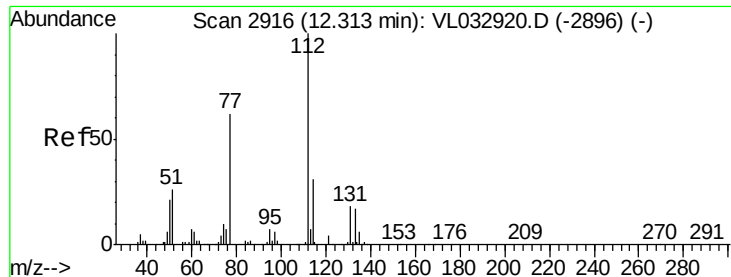
#56
1,1,1,2-Tetrachloroethane
Concen: 7.824 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion:131 Resp: 1414353
Ion Ratio Lower Upper
131 100
133 94.9 75.1 112.7
119 54.6 47.5 71.3



Abundance Ion 131.00 (130.70 to 131.70): V
800000 Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.917 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

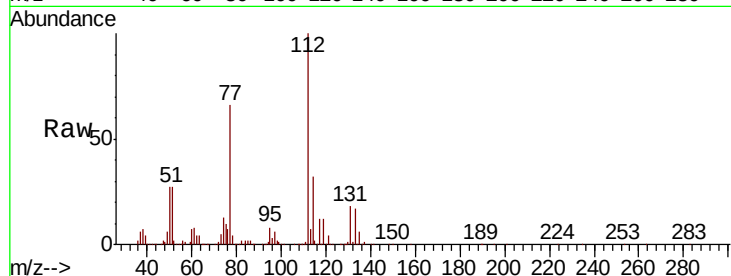
Tgt Ion: 112 Resp: 2318339

Ion Ratio Lower Upper

112 100

77 65.9 51.1 76.7

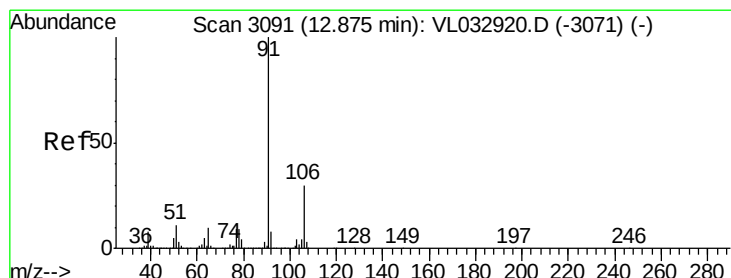
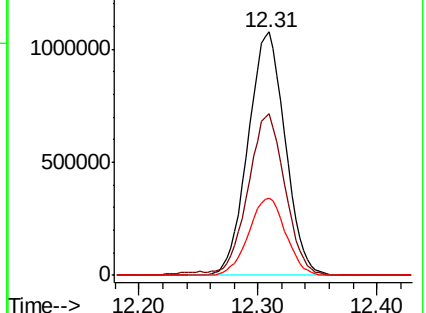
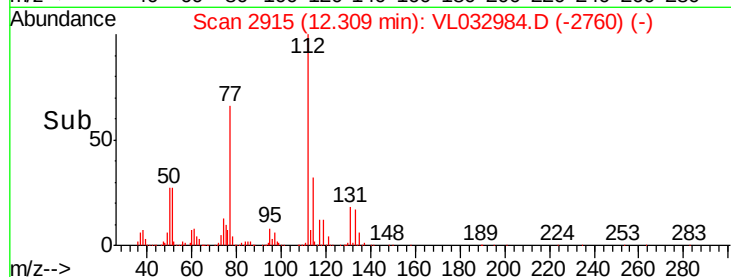
114 31.7 28.4 34.7



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: 9.425 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032984.D

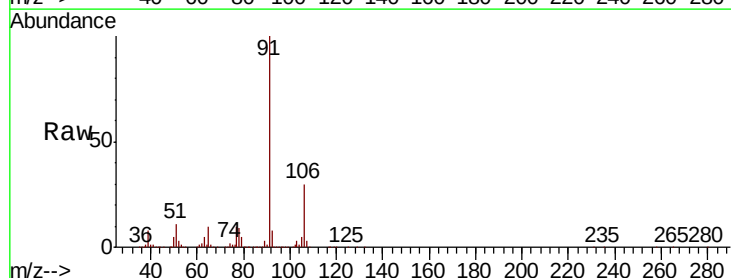
Acq: 13 Dec 2018 14:26

Tgt Ion: 91 Resp: 4076876

Ion Ratio Lower Upper

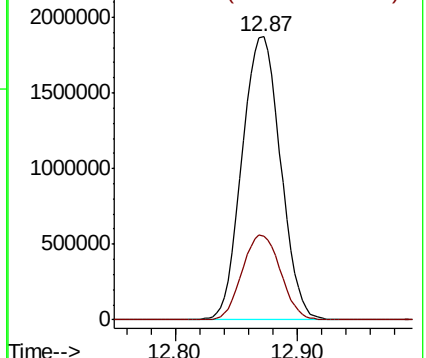
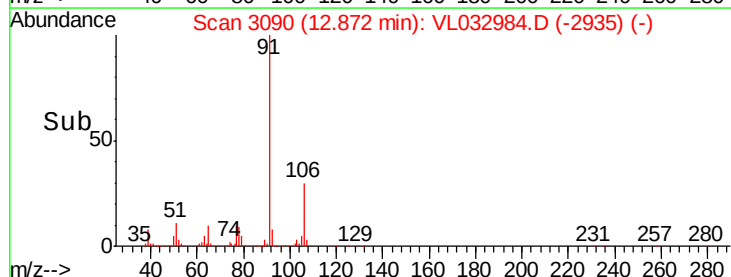
91 100

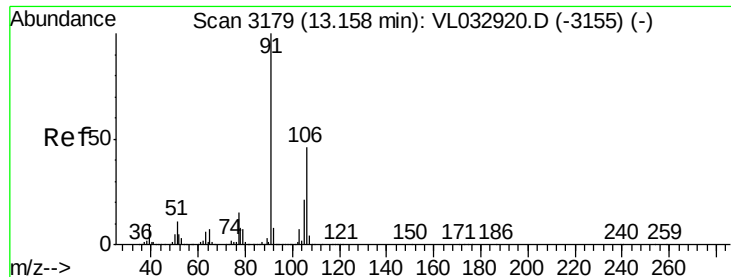
106 29.7 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

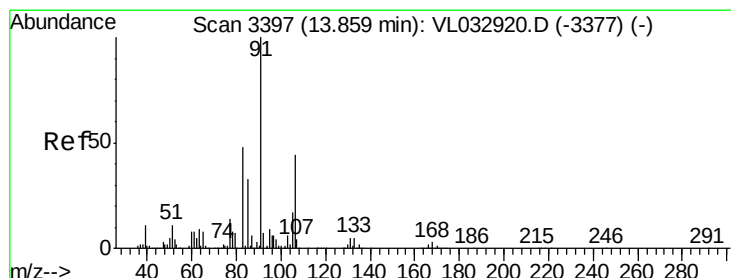
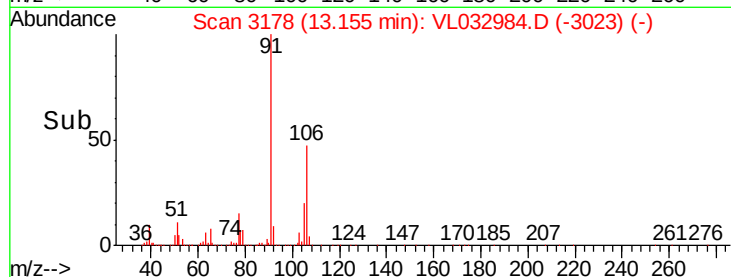
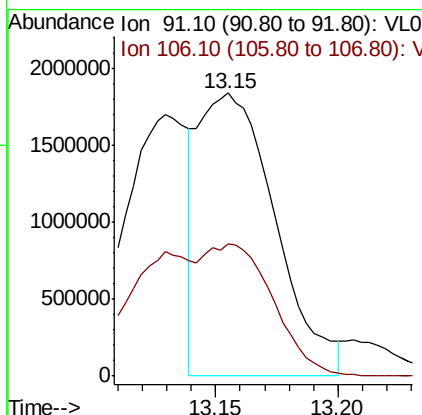
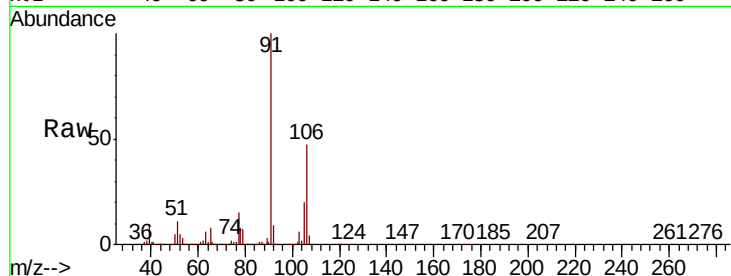




#59
m/p-Xylene
Concen: 10.199 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

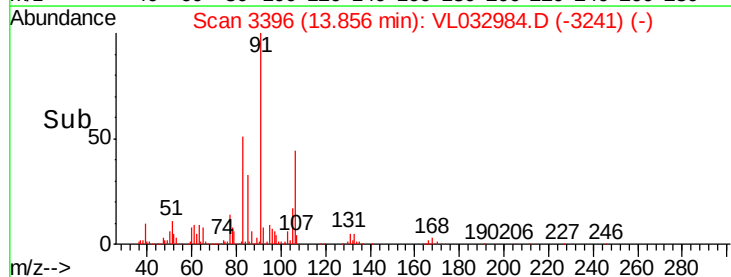
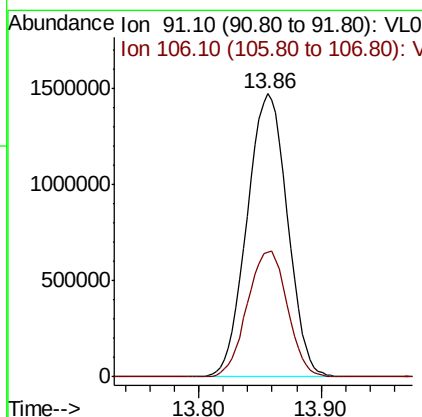
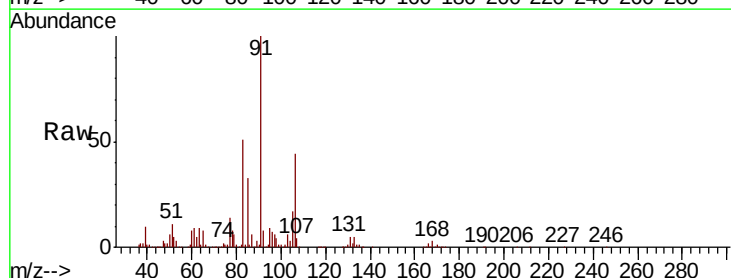
Instrument :
MSVOA_L
ClientSampleId :
BFB

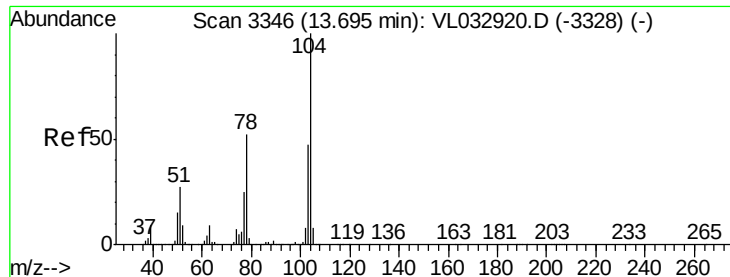
Tgt Ion: 91 Resp: 3999772
Ion Ratio Lower Upper
91 100
106 80.9 0.0 0.0#



#60
o-Xylene
Concen: 8.515 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 91 Resp: 3372238
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.8





#61

Styrene

Concen: 9.956 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.01 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

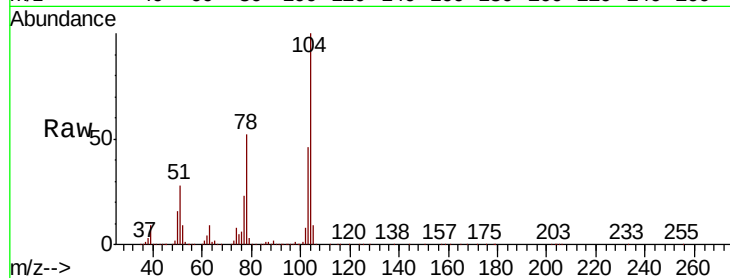
Tgt Ion:104 Resp: 2622862

Ion Ratio Lower Upper

104 100

78 52.4 42.0 63.0

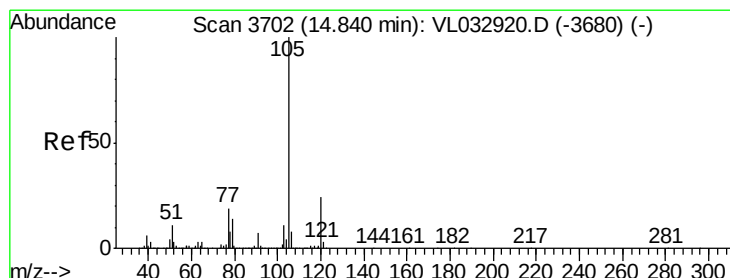
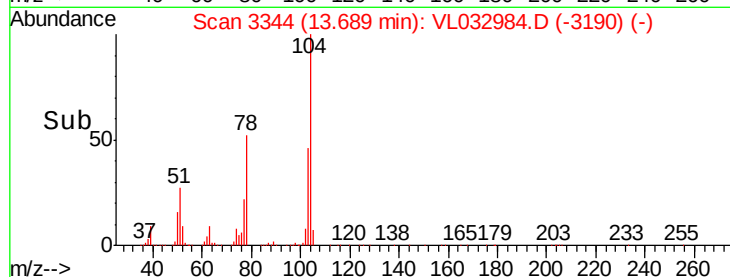
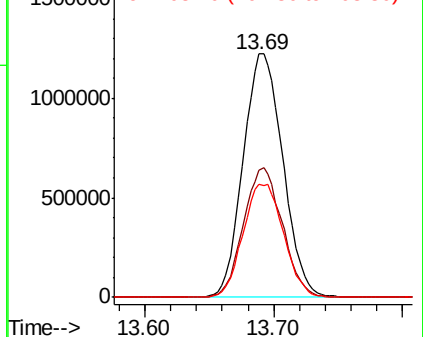
103 47.6 38.3 57.5



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: 9.157 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL032984.D

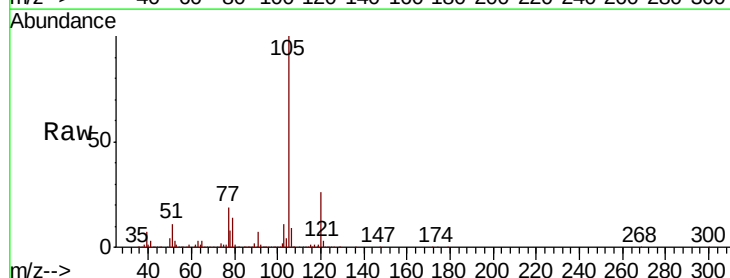
Acq: 13 Dec 2018 14:26

Tgt Ion:105 Resp: 5059791

Ion Ratio Lower Upper

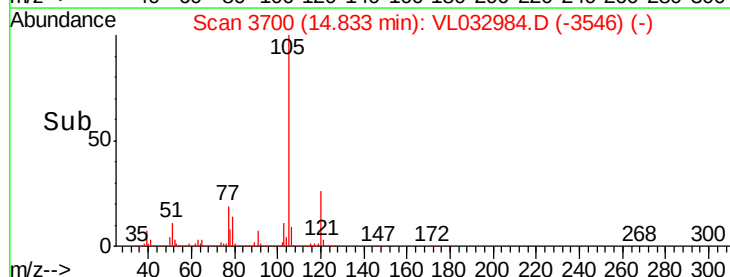
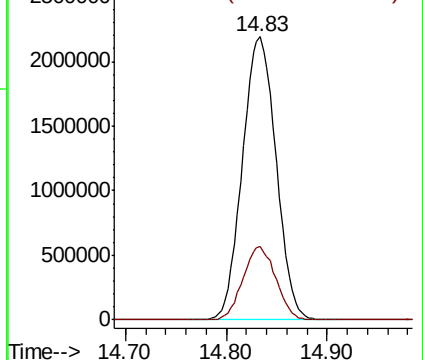
105 100

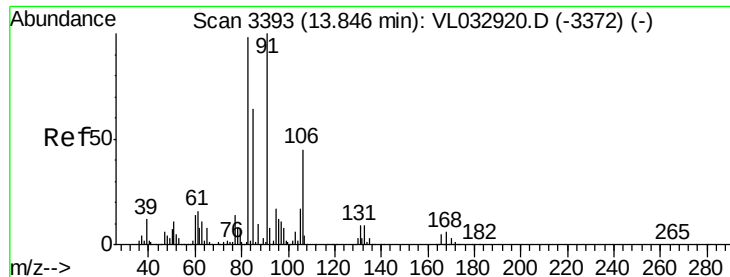
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

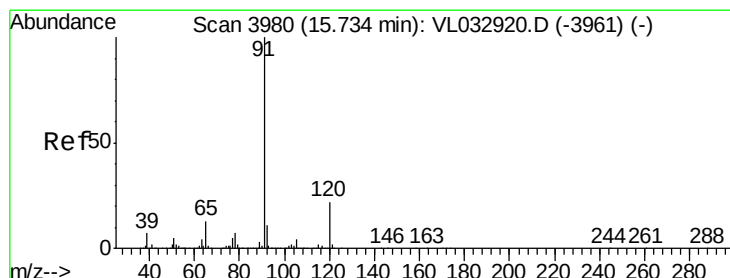
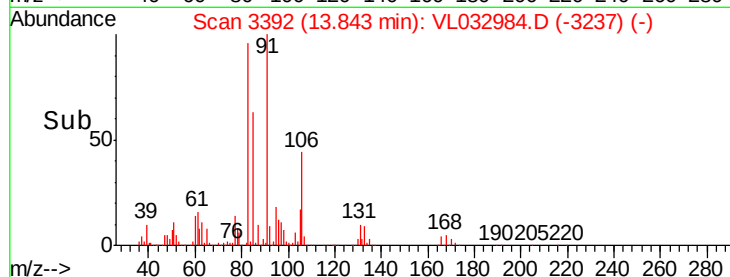
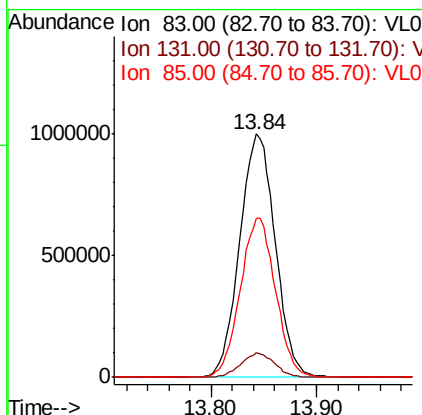
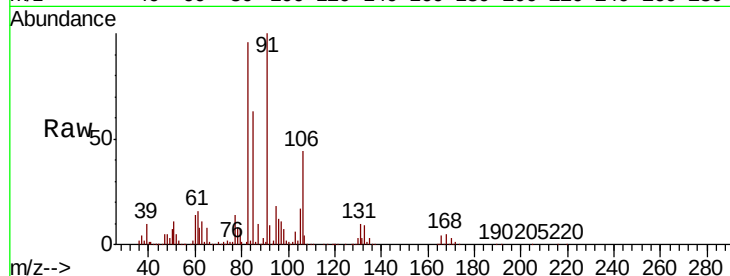




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.618 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

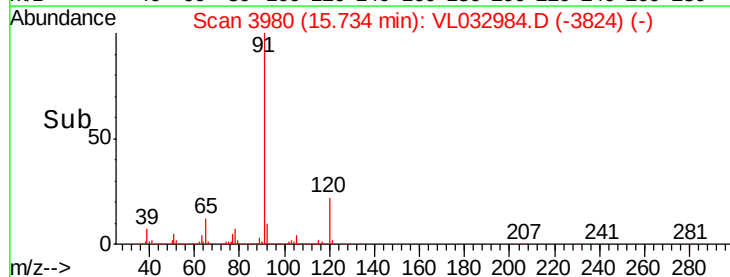
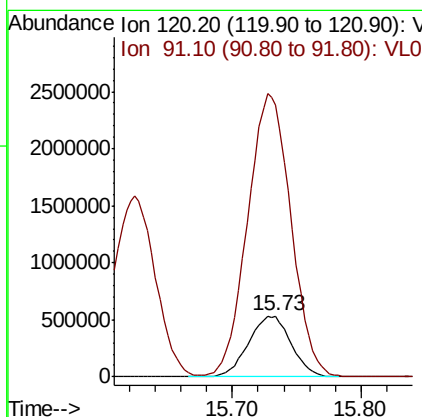
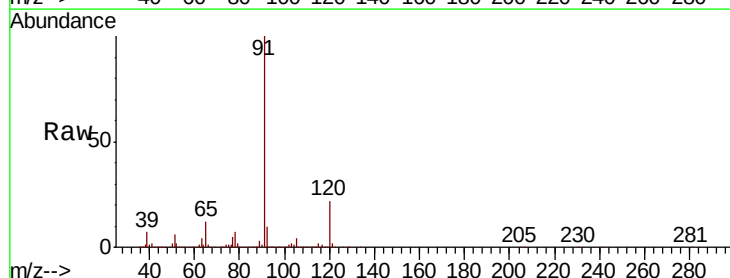
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

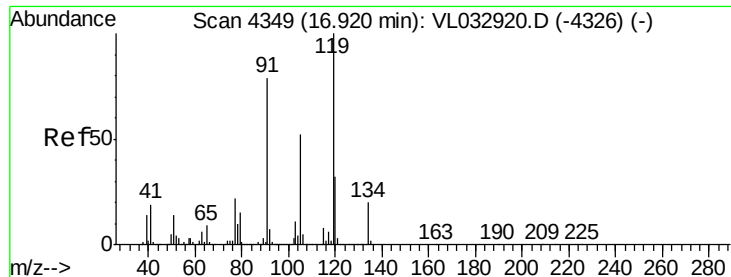
Tgt Ion: 83 Resp: 2342695
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.6
 85 64.9 32.9 98.6



#64
 n-propylbenzene
 Concen: 8.544 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 120 Resp: 1226190
 Ion Ratio Lower Upper
 120 100
 91 474.8 380.4 570.6

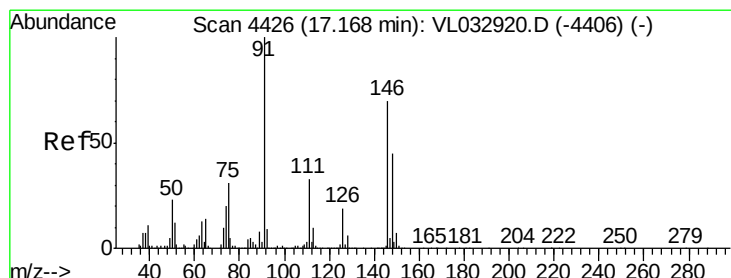
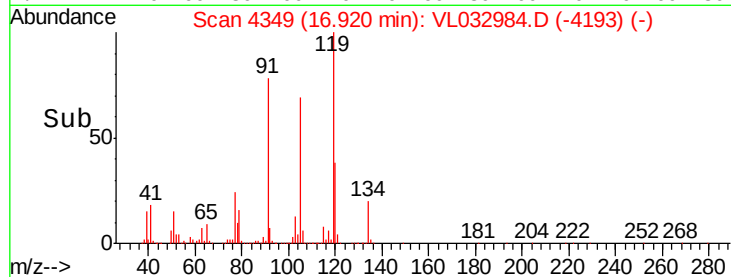
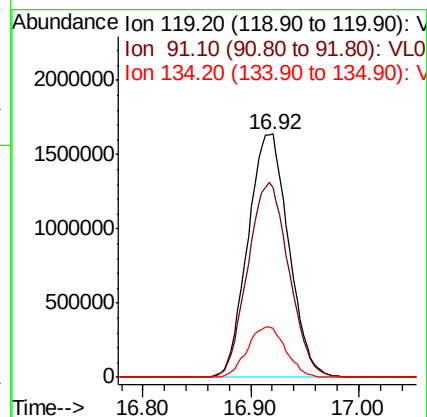
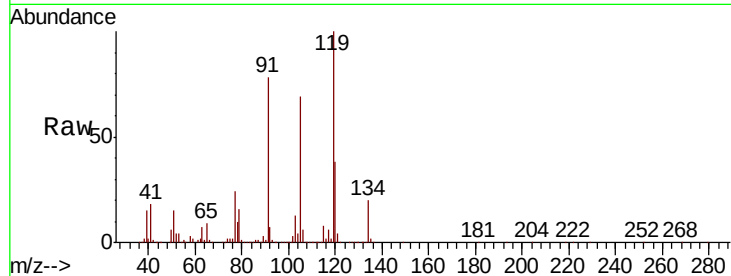




#65
 tert-Butylbenzene
 Concen: 8.388 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

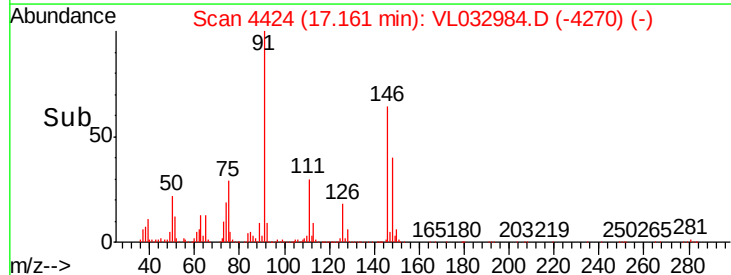
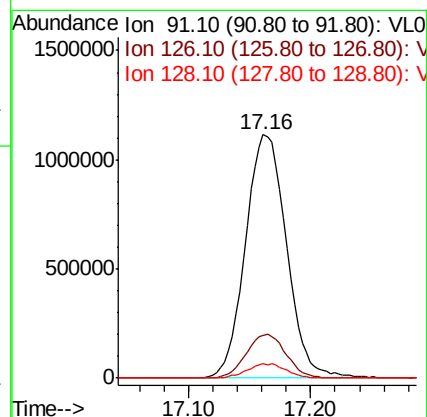
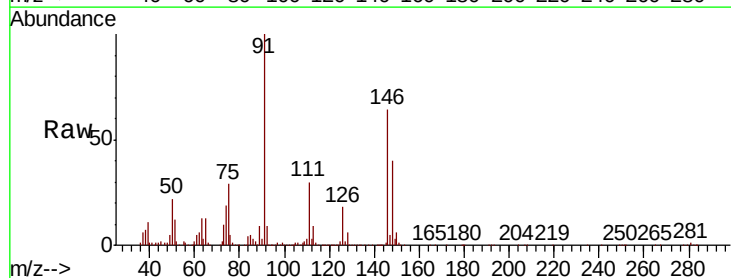
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

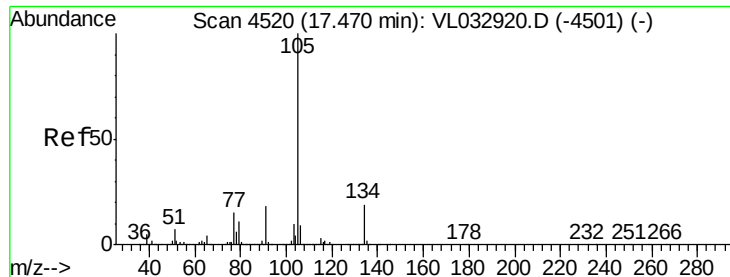
Tgt Ion: 119 Resp: 4296787
 Ion Ratio Lower Upper
 119 100
 91 81.0 64.5 96.7
 134 19.7 15.7 23.5



#66
 Benzyl Chloride
 Concen: 9.096 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion: 91 Resp: 2582480
 Ion Ratio Lower Upper
 91 100
 126 17.7 14.1 21.1
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.992 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.01 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampled :

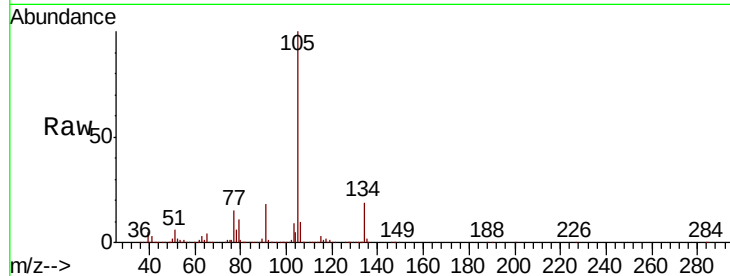
BFB

Tgt Ion:105 Resp: 6035773

Ion Ratio Lower Upper

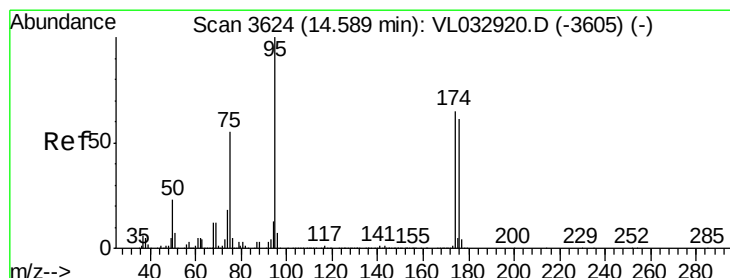
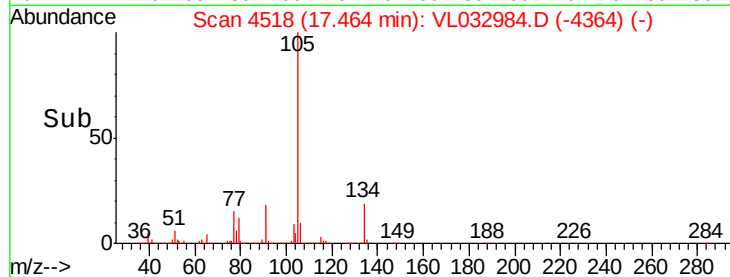
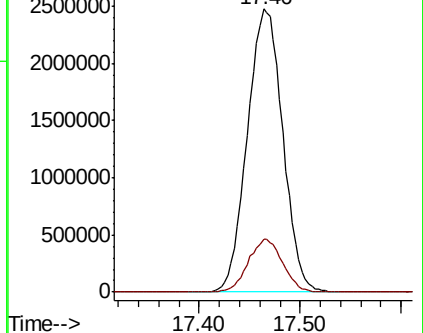
105 100

134 18.2 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.468 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

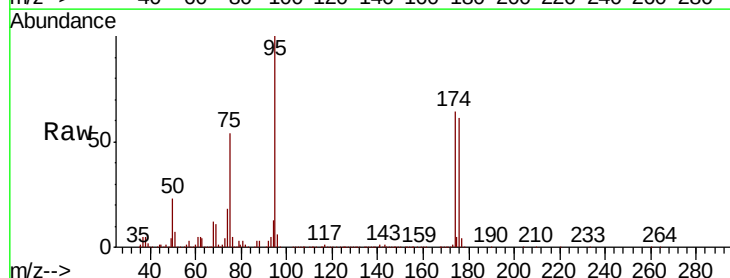
Tgt Ion: 95 Resp: 2536668

Ion Ratio Lower Upper

95 100

174 63.9 51.4 77.0

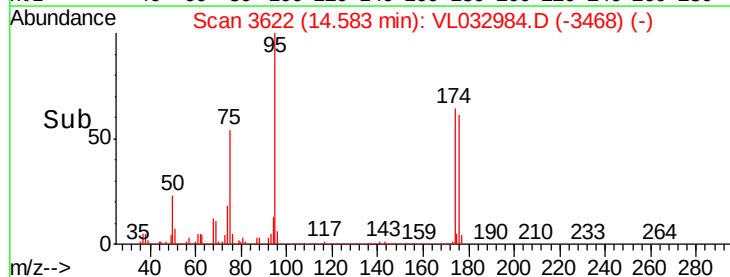
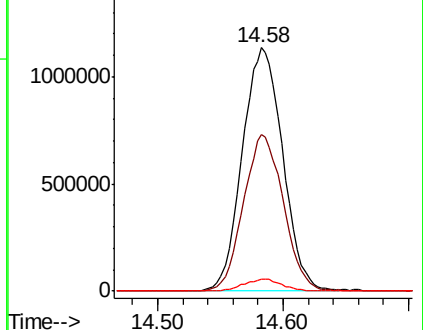
175 4.8 3.8 5.6

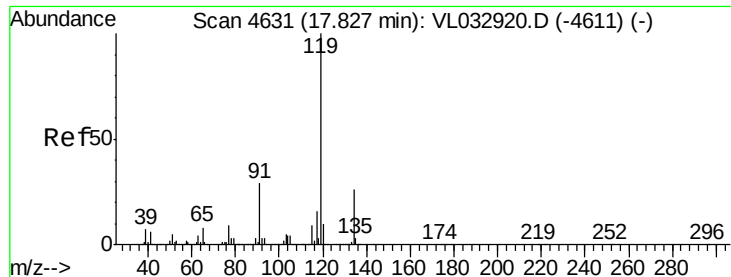


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

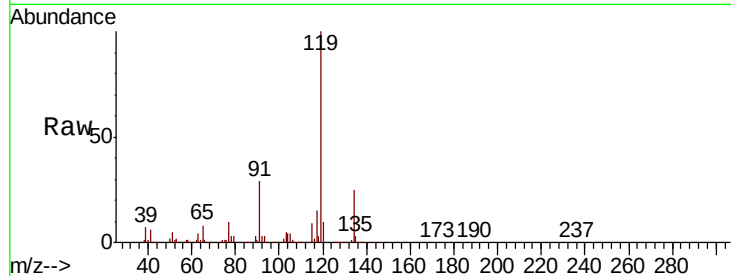




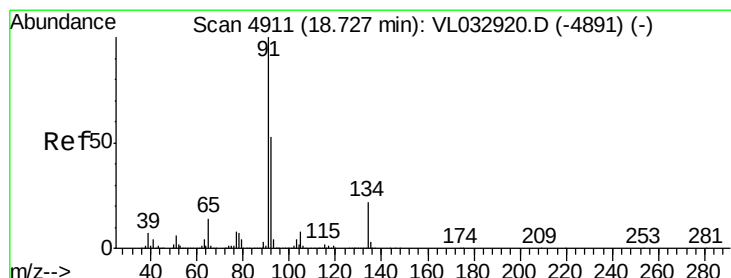
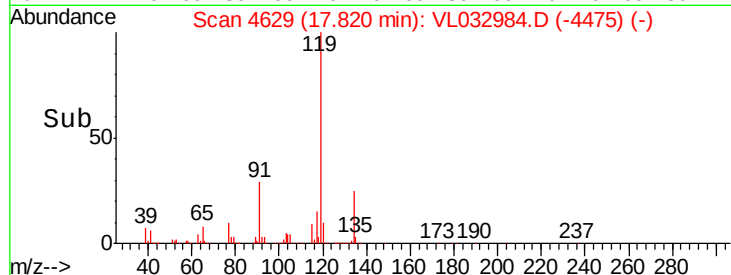
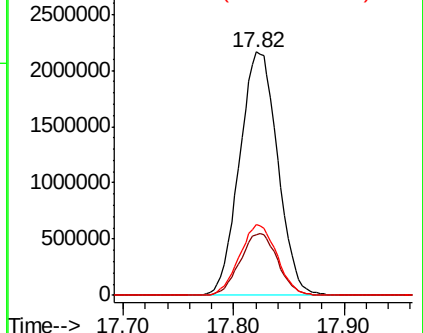
#69
p-Isopropyltoluene
Concen: 8.446 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 119 Resp: 5169471
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 28.6 22.9 34.3

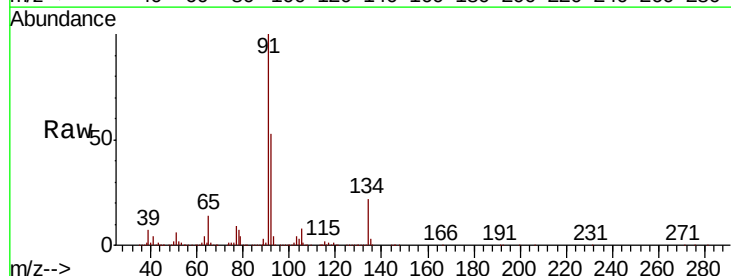


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

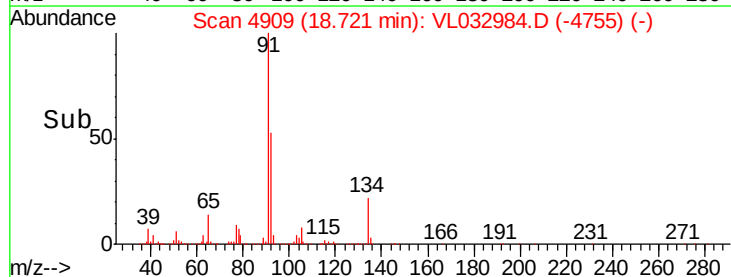
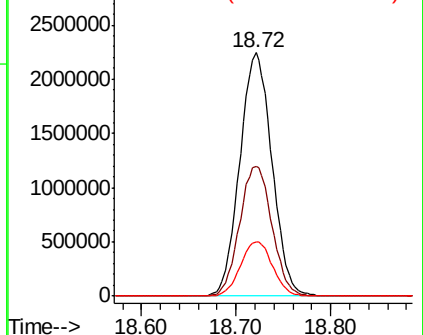


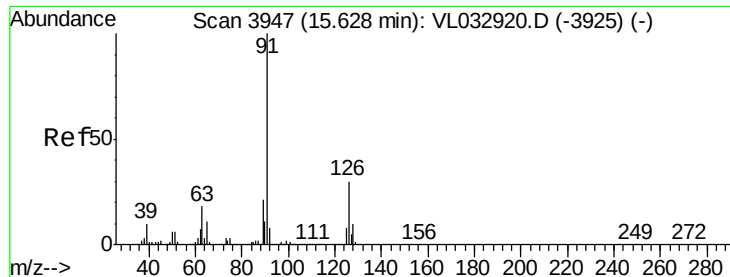
#70
n-Butylbenzene
Concen: 9.406 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 91 Resp: 5296591
Ion Ratio Lower Upper
91 100
92 53.7 42.7 64.1
134 22.3 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V

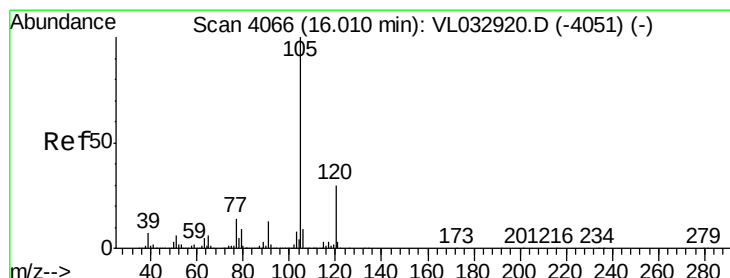
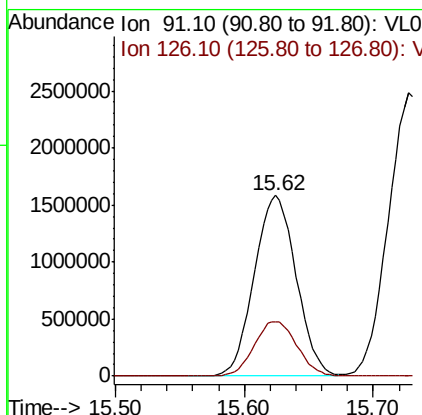
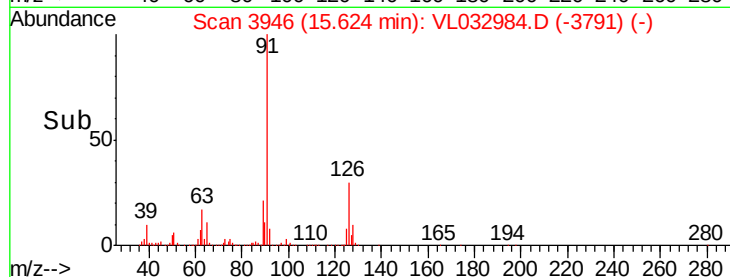
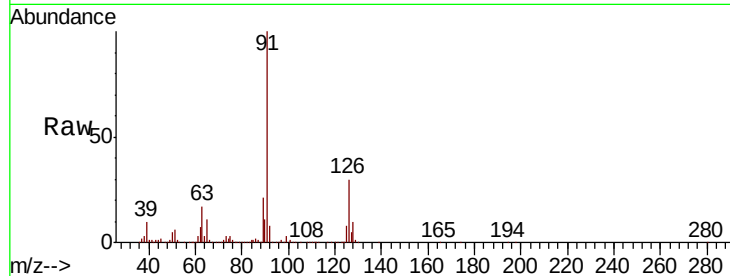




#71
2-Chlorotoluene
Concen: 8.731 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

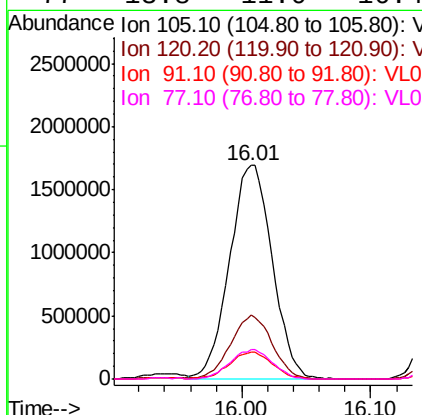
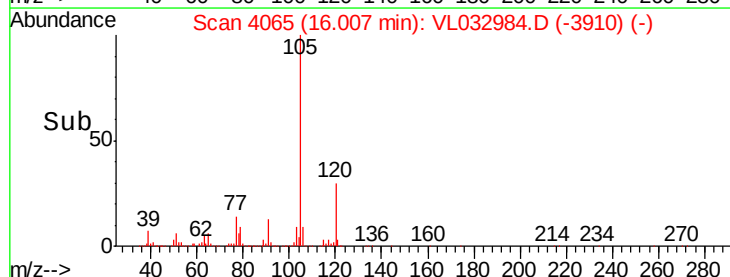
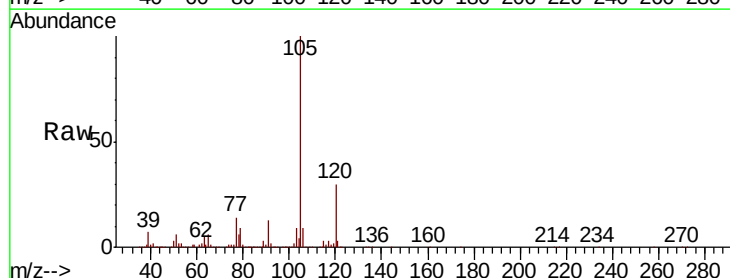
Instrument :
MSVOA_L
ClientSampleId :
BFB

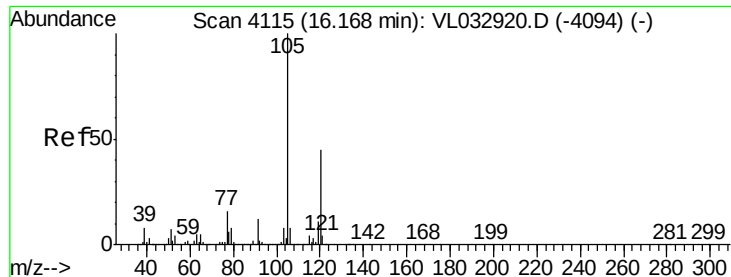
Tgt Ion: 91 Resp: 3587353
Ion Ratio Lower Upper
91 100
126 30.6 12.3 49.3



#72
4-Ethyltoluene
Concen: 8.772 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL032984.D
Acq: 13 Dec 2018 14:26

Tgt Ion: 105 Resp: 3878245
Ion Ratio Lower Upper
105 100
120 29.9 23.0 34.4
91 12.8 10.4 15.6
77 13.8 11.0 16.4

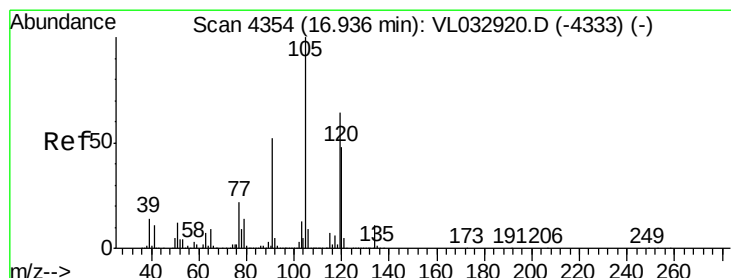
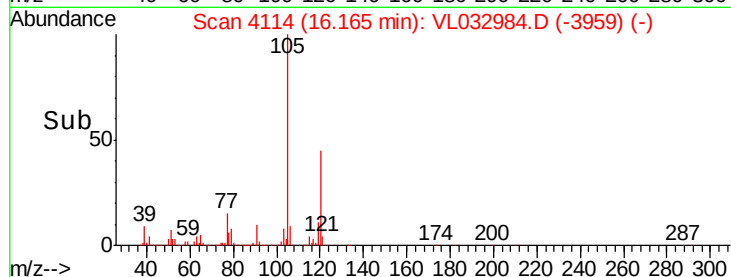
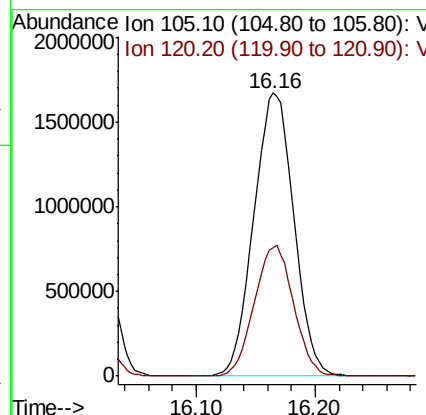
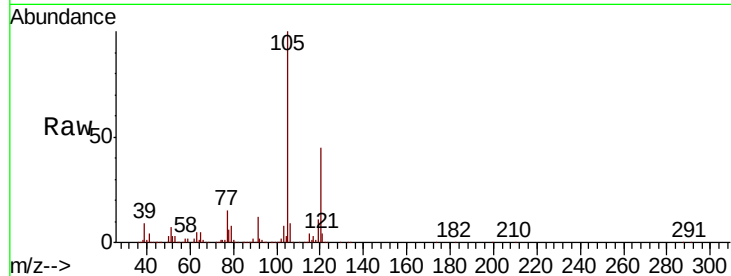




#73
 1,3,5-Trimethylbenzene
 Concen: 9.013 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

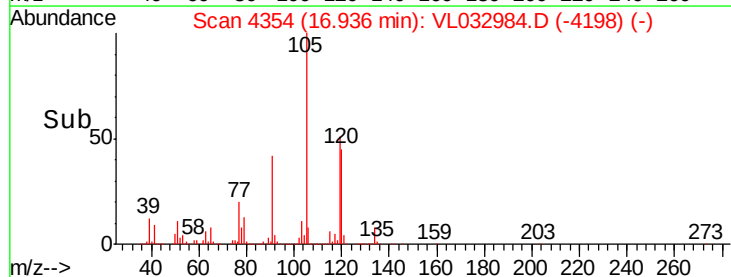
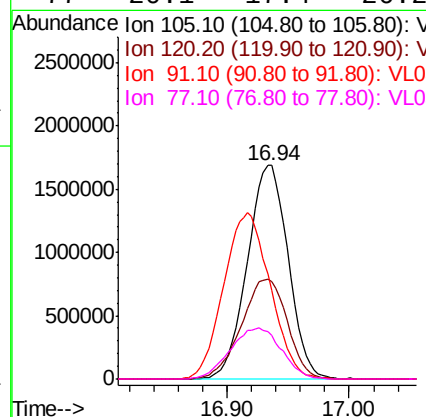
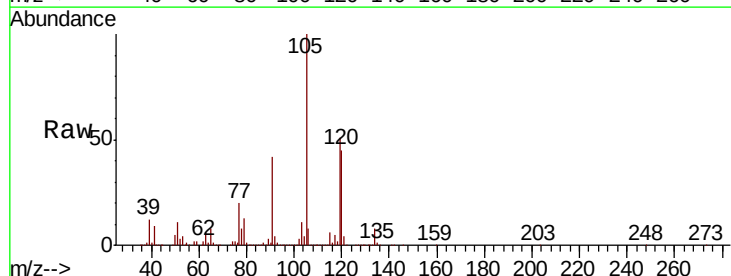
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

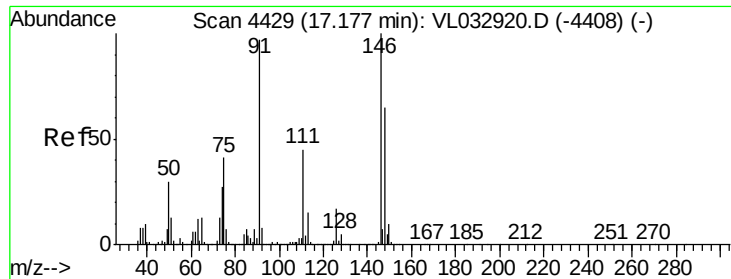
Tgt Ion:105 Resp: 3890223
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.0 54.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.994 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion:105 Resp: 3896124
 Ion Ratio Lower Upper
 105 100
 120 45.2 38.6 58.0
 91 41.4 41.7 62.5#
 77 20.1 17.4 26.2

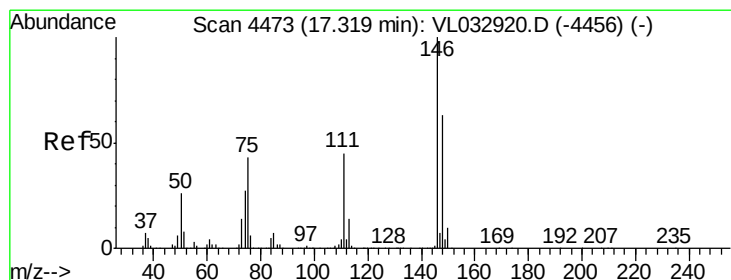
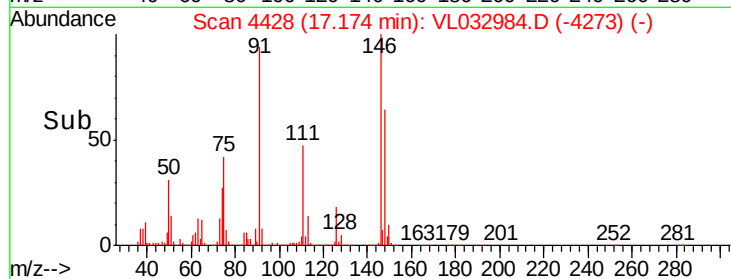
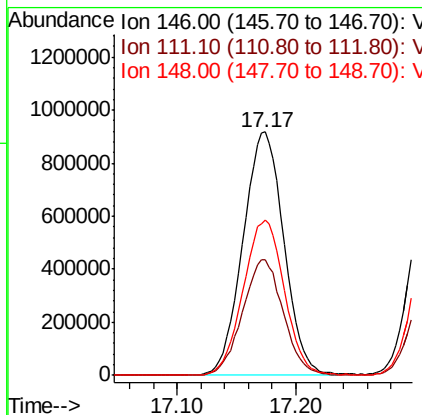
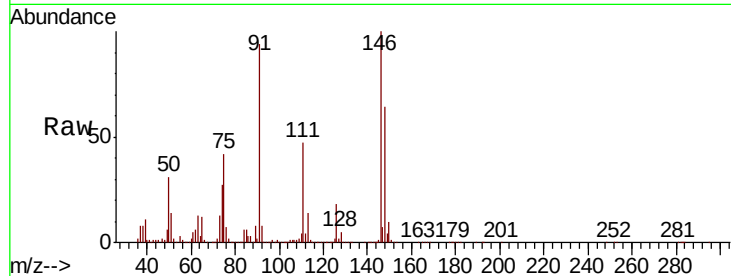




#75
 1,3-Dichlorobenzene
 Concen: 7.608 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

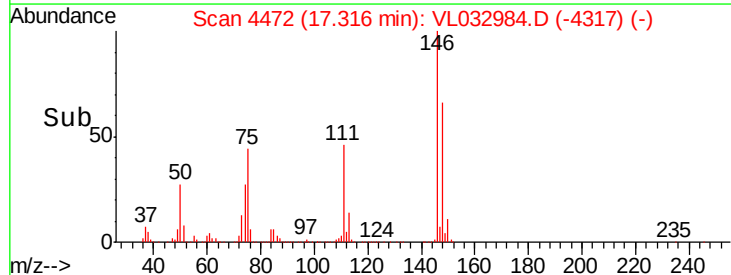
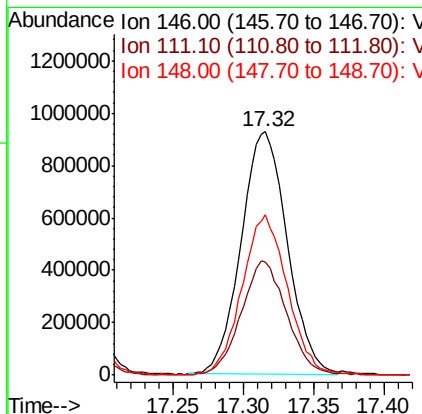
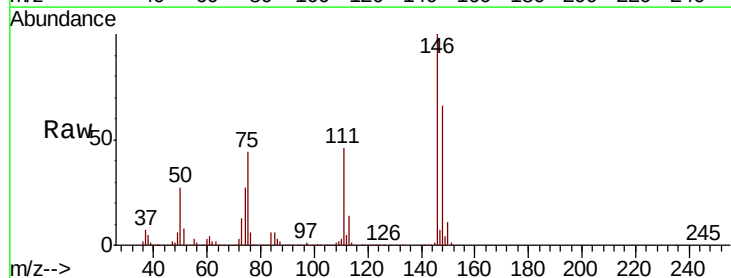
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

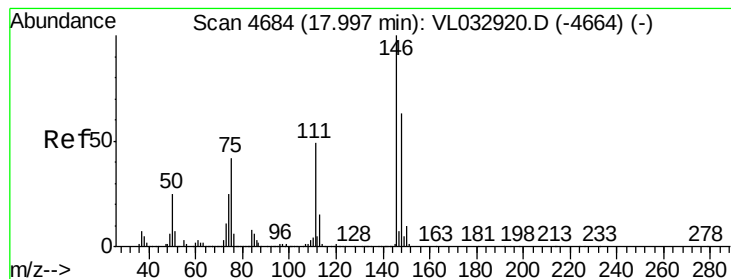
Tgt Ion:146 Resp: 2183659
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.6 70.8
 148 64.3 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 7.940 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. -0.00 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Tgt Ion:146 Resp: 2126338
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.8 68.4
 148 64.7 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 8.253 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

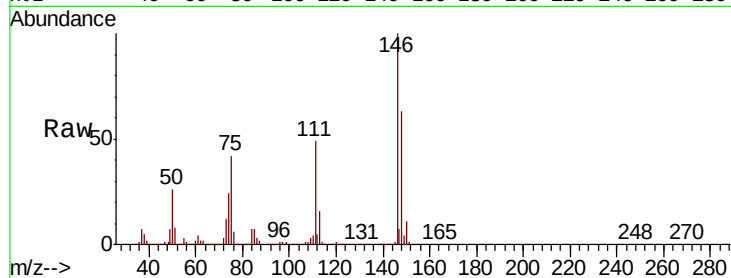
Tgt Ion:146 Resp: 2212062

Ion Ratio Lower Upper

146 100

111 48.7 24.3 72.9

148 64.2 32.0 96.2

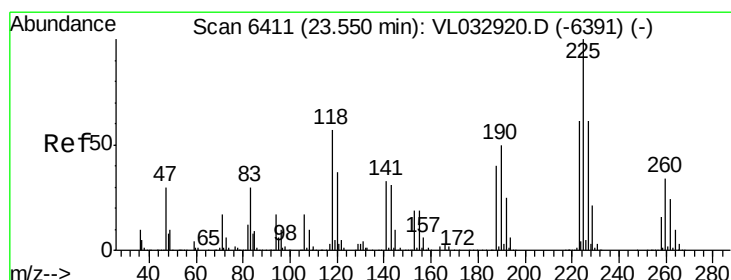
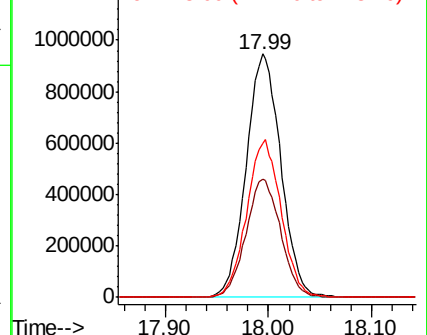
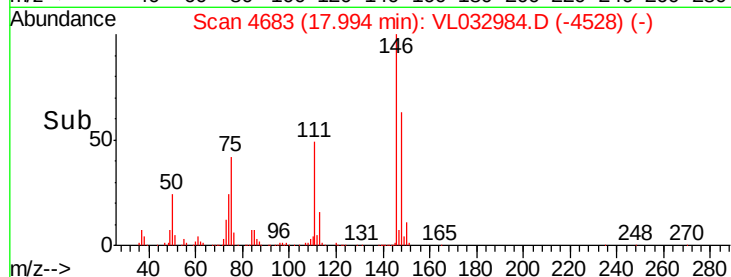


Abundance

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: 7.301 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

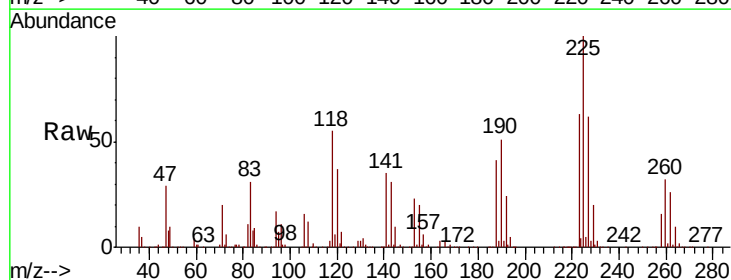
Tgt Ion:225 Resp: 1076161

Ion Ratio Lower Upper

225 100

223 63.6 50.6 75.8

227 63.0 50.4 75.6

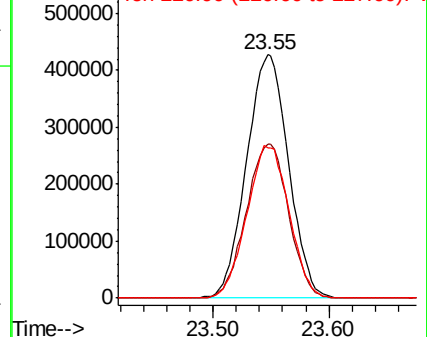
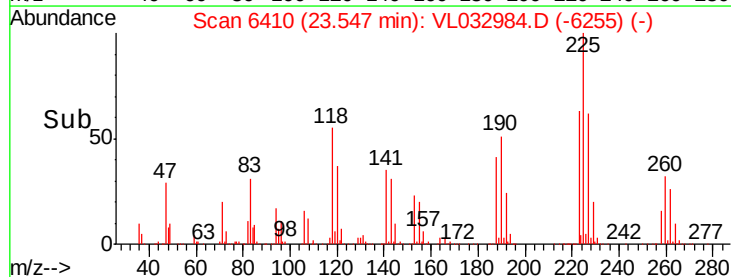


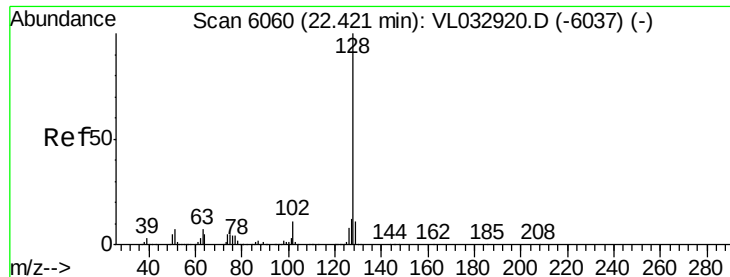
Abundance

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: 9.966 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

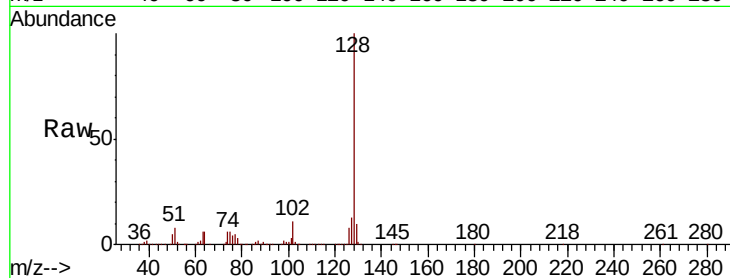
Tgt Ion:128 Resp: 3136182

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

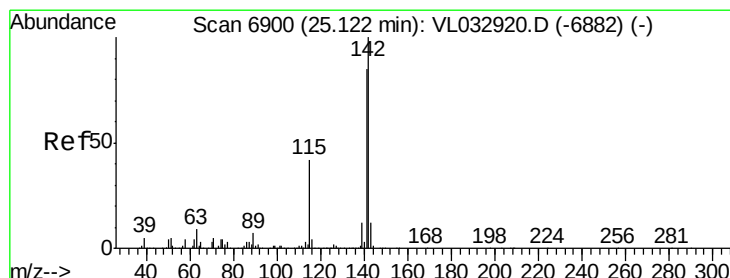
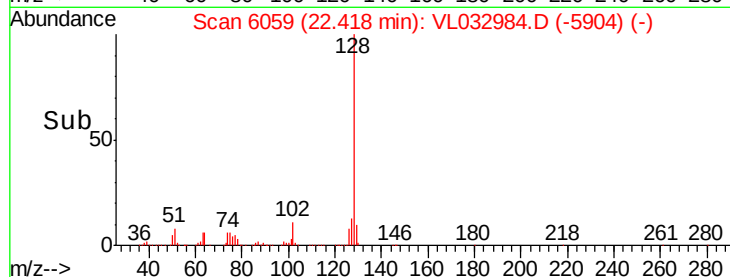
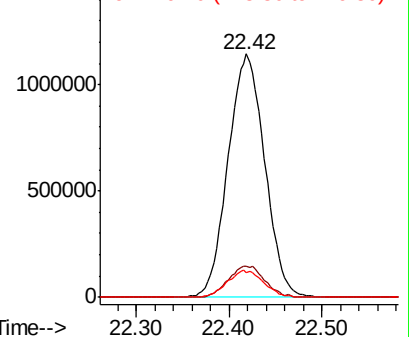
129 10.3 8.6 13.0



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: 10.615 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. -0.00 min

Lab File: VL032984.D

Acq: 13 Dec 2018 14:26

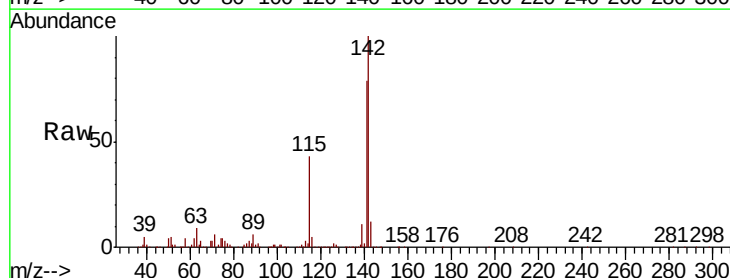
Tgt Ion:142 Resp: 713699

Ion Ratio Lower Upper

142 100

141 85.6 68.2 102.2

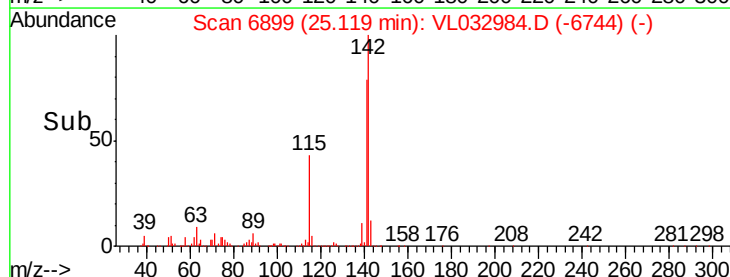
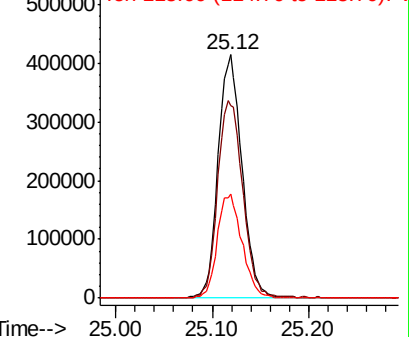
115 44.4 35.1 52.7

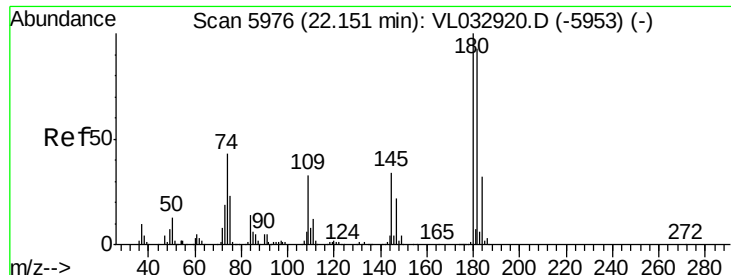


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

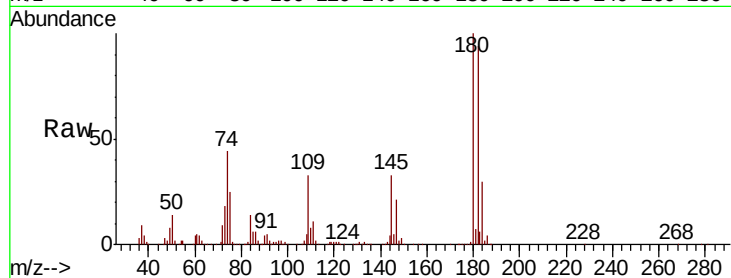




#81
 1,2,4-Trichlorobenzene
 Concen: 9.142 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL032984.D
 Acq: 13 Dec 2018 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1525728
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 184 29.9 24.3 36.5



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

