

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
 Data File : VL032405.D
 Acq On : 17 Aug 2018 12:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 17 23:22:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1775150	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3687000	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4501837	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2736165	7.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1827243	12.937	ppbv	99
3) Chlorodifluoromethane	3.05	51	1643818	9.996	ppbv	100
4) Chloromethane	3.21	50	991599	10.132	ppbv	95
5) Vinyl Chloride	3.33	62	937845	10.053	ppbv	97
6) Bromomethane	3.55	94	513676	10.270	ppbv	99
7) Chloroethane	3.64	64	338449	10.346	ppbv	94
8) Dichlorotetrafluoroethane	3.26	85	1946745	9.705	ppbv	99
9) Propene	3.07	41	784753	11.151	ppbv	99
10) Heptane	8.31	43	2602595	12.278	ppbv	100
11) Trichlorofluoromethane	4.05	101	1951637	9.830	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1302963	9.746	ppbv	98
13) Ethanol	3.69	45	201381	11.141	ppbv	94
14) Bromoethene	3.83	108	608607	10.526	ppbv	99
15) Acetone	3.95	43	1558729	9.242	ppbv	100
16) 1,3-Butadiene	3.40	39	758059	10.887	ppbv	91
17) tert-Butyl alcohol	4.40	59	301649	10.659	ppbv	100
18) 1,1-Dichloroethene	4.40	96	632372	10.152	ppbv	95
19) Isopropyl Alcohol	4.06	45	1226136	10.796	ppbv	100
20) Methylene Chloride	4.46	84	556960	8.744	ppbv	92
21) Allyl Chloride	4.52	41	1156358	10.863	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	679040	10.809	ppbv	98
23) Vinyl Acetate	5.21	43	3062432	10.515	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2148772	10.219	ppbv	99
25) Ethyl Acetate	5.82	43	3758132	10.398	ppbv	99
26) Hexane	5.84	57	1701217	10.558	ppbv	99
27) Carbon Disulfide	4.67	76	1642134	10.919	ppbv	100
28) Methyl tert-Butyl Ether	5.16	73	2364548	11.058	ppbv	100
29) Chloroform	5.90	83	2474293	10.478	ppbv	99
30) Cyclohexane	7.31	84	1374287	11.197	ppbv	98
31) cis-1,2-Dichloroethene	5.69	61	1768243	11.217	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2275514	9.902	ppbv	99
34) 2-Butanone	5.38	43	2673309	10.653	ppbv	98
35) Carbon Tetrachloride	7.20	117	2369705	10.900	ppbv	95
36) Benzene	7.07	78	3390910	10.848	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1962656	10.348	ppbv	99
38) Trichloroethene	8.03	130	1224526	11.169	ppbv	99
39) 1,2-Dichloropropane	7.80	63	1370475	10.496	ppbv	100
40) 1,4-Dioxane	8.02	88	478845	12.073	ppbv	84
41) Tetrahydrofuran	6.20	42	1557042	11.558	ppbv	99
42) Bromodichloromethane	7.98	83	2692860	10.844	ppbv	98
43) Methyl Methacrylate	8.20	69	1568065	12.590	ppbv	99

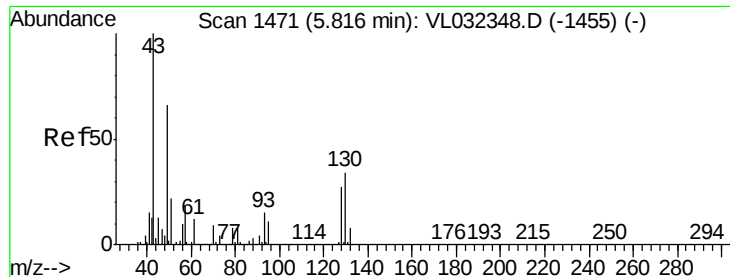
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	6528799	11.583	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	1849975	11.744	ppbv	96
46) cis-1,3-Dichloropropene	8.90	75	2299237	12.170	ppbv	98
47) 1,1,2-Trichloroethane	9.68	97	1311565	9.126	ppbv	96
48) Dibromochloromethane	10.52	129	2052170	10.681	ppbv	99
49) Bromoform	13.27	173	1732304	10.855	ppbv	100
50) 4-Methyl-2-Pentanone	8.93	43	3990834	11.012	ppbv	100
51) 2-Hexanone	10.34	43	2831760	11.127	ppbv	99
52) Tetrachloroethene	11.44	164	966972	10.489	ppbv	96
53) Toluene	10.01	91	3696880	10.789	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1966512	10.654	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.35	131	1518232	8.152	ppbv #	59
57) Chlorobenzene	12.37	112	2728574	8.052	ppbv	96
58) Ethyl Benzene	12.93	91	4931536	9.105	ppbv	100
59) m/p-Xylene	13.22	91	4241505	9.219	ppbv #	40
60) o-Xylene	13.92	91	3858645	8.533	ppbv	100
61) Styrene	13.75	104	3019176	9.553	ppbv	100
62) Isopropylbenzene	14.89	105	5468903	8.496	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.90	83	2928401	7.701	ppbv	100
64) n-propylbenzene	15.79	120	1445431	8.675	ppbv	97
65) tert-Butylbenzene	16.98	119	4699138	8.545	ppbv	100
66) Benzyl Chloride	17.22	91	3157329	9.697	ppbv	99
67) sec-Butylbenzene	17.53	105	7135366	8.726	ppbv	99
69) p-Isopropyltoluene	17.88	119	5648645	9.026	ppbv	100
70) n-Butylbenzene	18.78	91	6207867	9.048	ppbv	99
71) 2-Chlorotoluene	15.68	91	4415176	8.862	ppbv	100
72) 4-Ethyltoluene	16.07	105	4599490	9.119	ppbv	100
73) 1,3,5-Trimethylbenzene	16.23	105	4382359	9.033	ppbv	100
74) 1,2,4-Trimethylbenzene	17.00	105	4433756	8.589	ppbv	96
75) 1,3-Dichlorobenzene	17.23	146	2495029	8.043	ppbv	100
76) 1,4-Dichlorobenzene	17.38	146	2532092	8.617	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	2505702	8.453	ppbv	100
78) Hexachloro-1,3-Butadiene	23.60	225	759658	7.635	ppbv	100
79) Naphthalene	22.49	128	4129905	8.601	ppbv	99
80) Naphthalene,2-methyl-	25.16	142	1658657	16.105	ppbv	100
81) 1,2,4-Trichlorobenzene	22.21	180	1933361	9.685	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

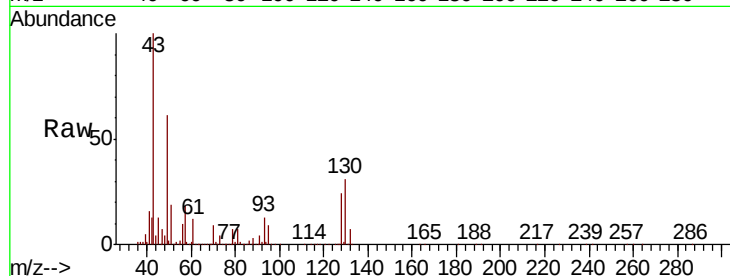
Tgt Ion: 49 Resp: 1775150

Ion Ratio Lower Upper

49 100

128 40.5 20.5 61.6

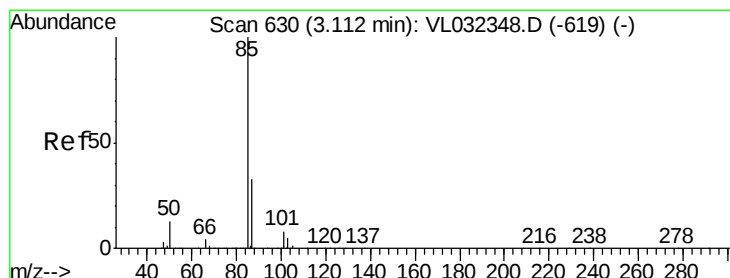
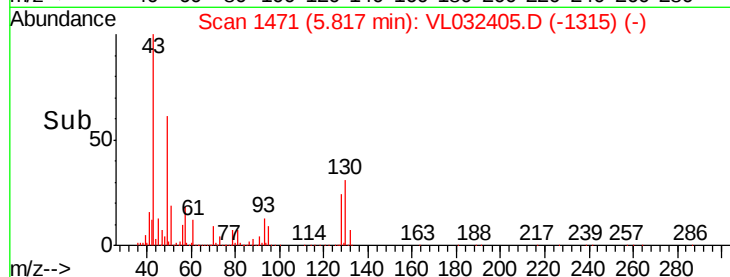
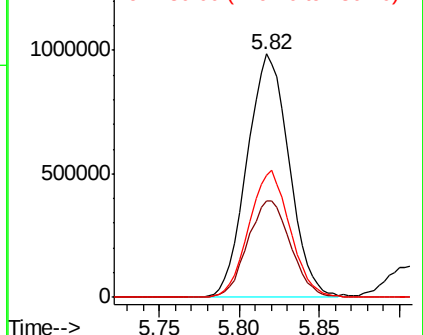
130 51.3 26.2 78.5



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: 12.937 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032405.D

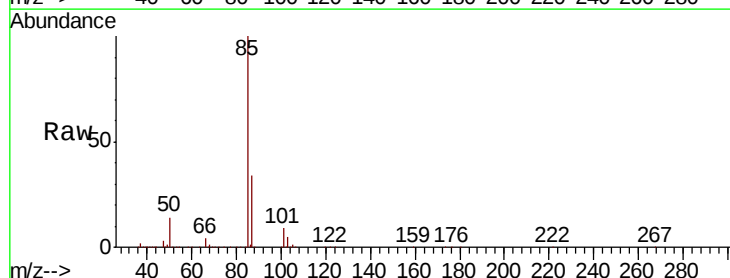
Acq: 17 Aug 2018 12:40

Tgt Ion: 85 Resp: 1827243

Ion Ratio Lower Upper

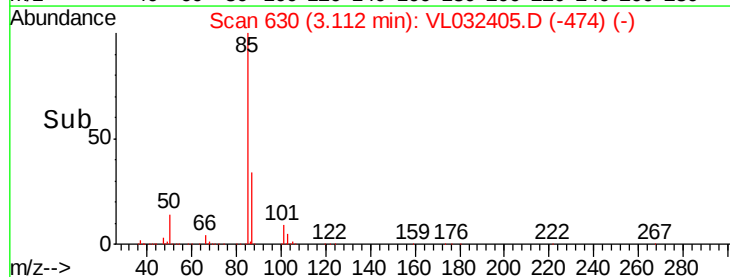
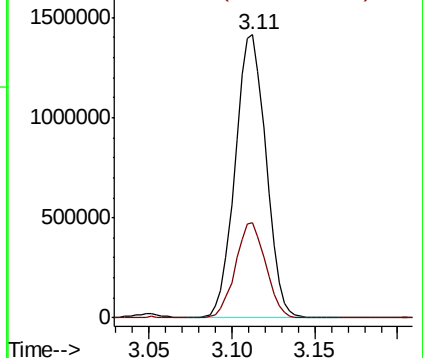
85 100

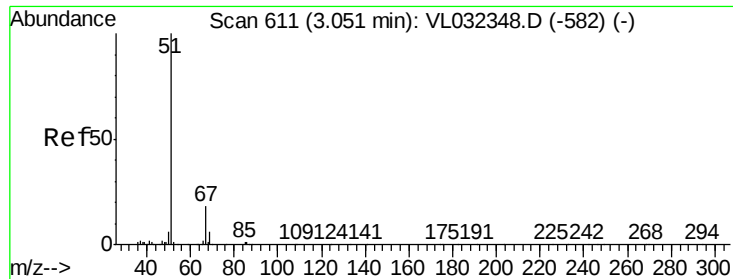
87 33.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

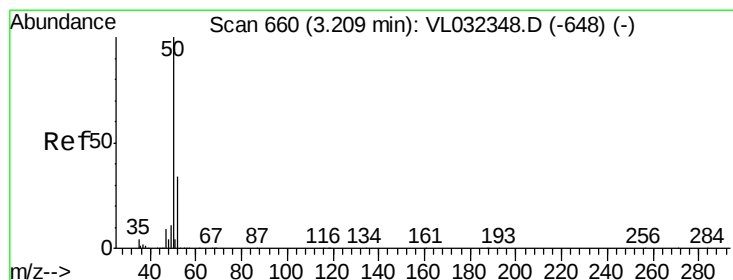
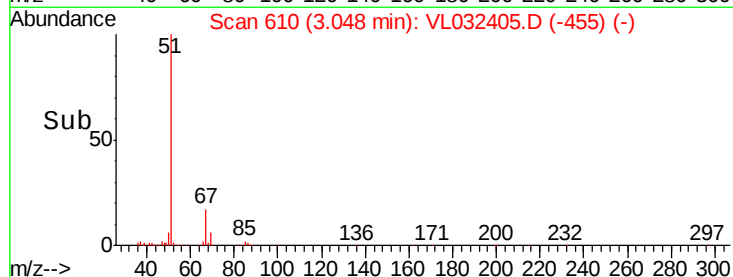
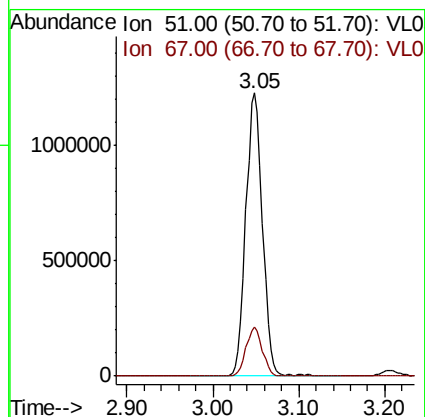
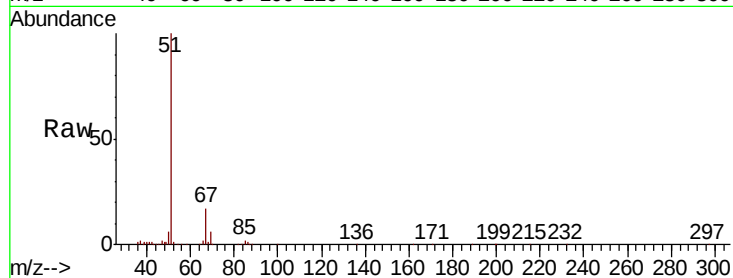




#3
 Chlorodifluoromethane
 Concen: 9.996 ppbv
 RT: 3.05 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

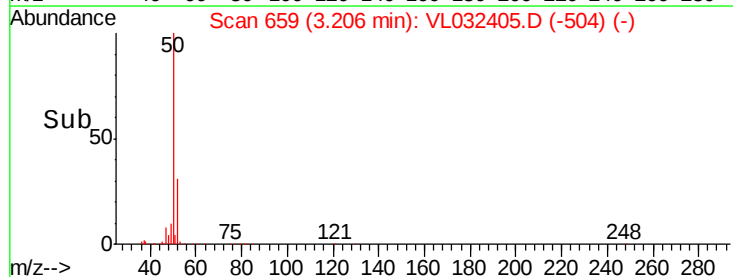
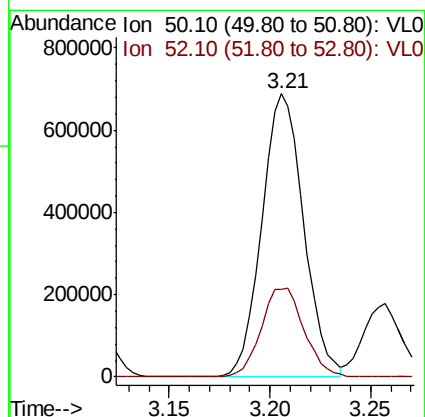
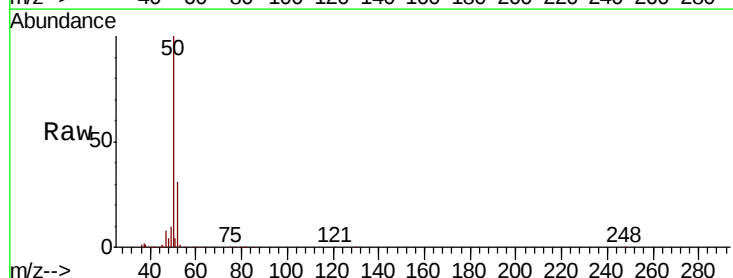
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

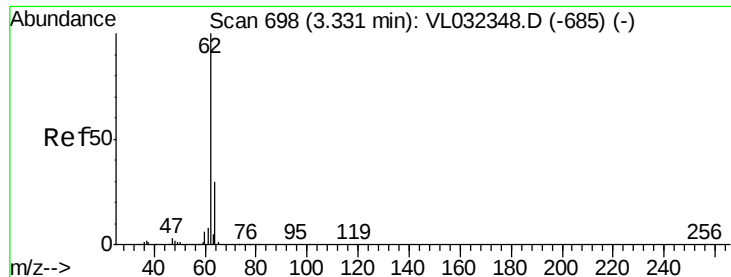
Tgt Ion: 51 Resp: 1643818
 Ion Ratio Lower Upper
 51 100
 67 16.9 13.7 20.5



#4
 Chloromethane
 Concen: 10.132 ppbv
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 50 Resp: 991599
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.8 40.2





#5

Vinyl Chloride

Concen: 10.053 ppbv

RT: 3.33 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

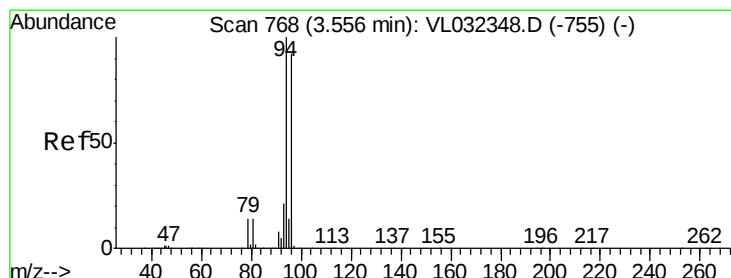
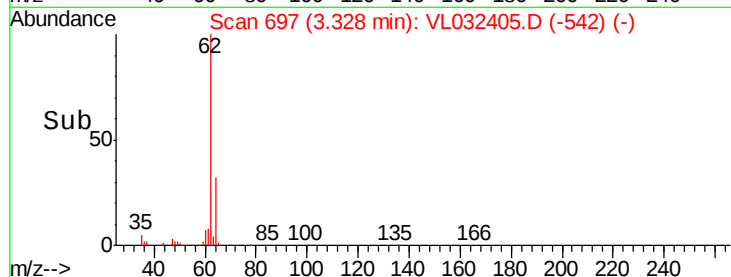
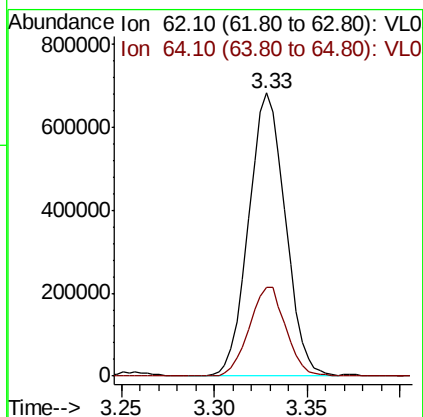
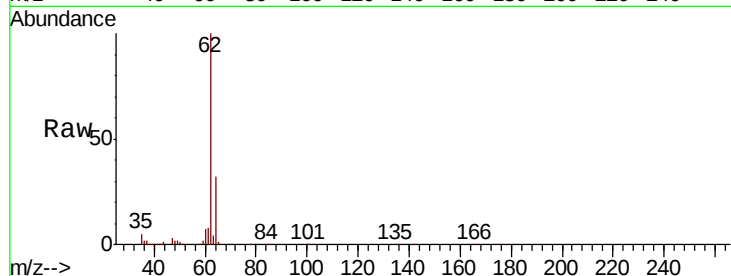
BFB

Tgt Ion: 62 Resp: 937845

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.2



#6

Bromomethane

Concen: 10.270 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032405.D

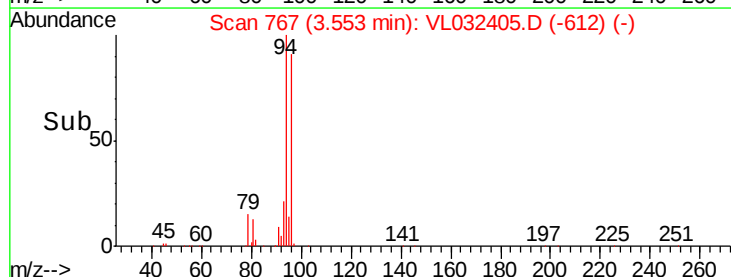
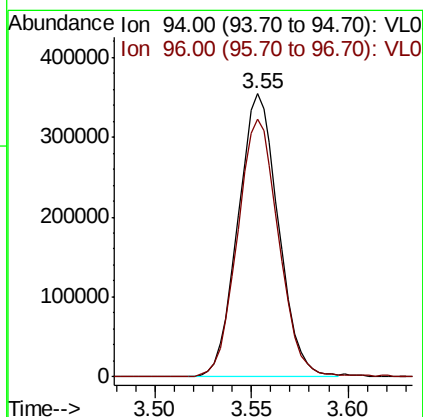
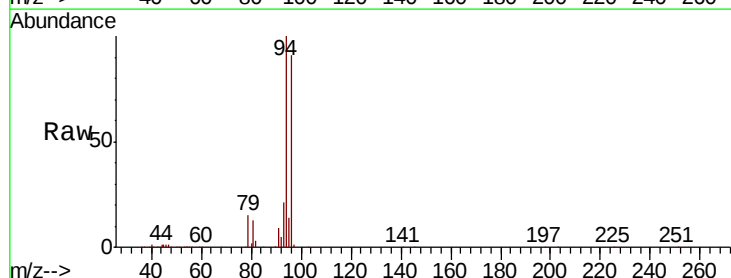
Acq: 17 Aug 2018 12:40

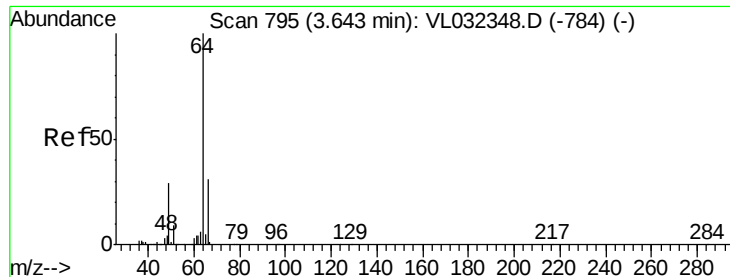
Tgt Ion: 94 Resp: 513676

Ion Ratio Lower Upper

94 100

96 90.9 73.7 110.5





#7

Chloroethane

Concen: 10.346 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

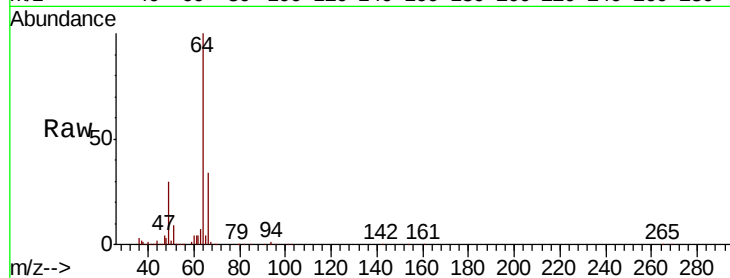
BFB

Tgt Ion: 64 Resp: 338449

Ion Ratio Lower Upper

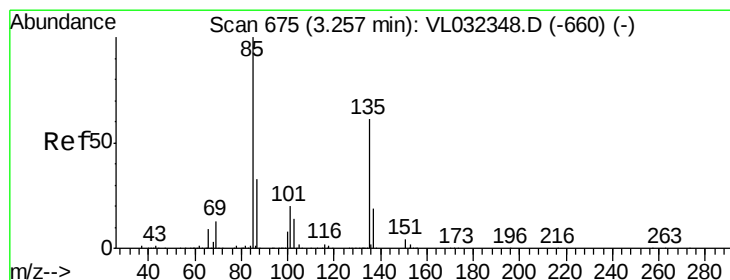
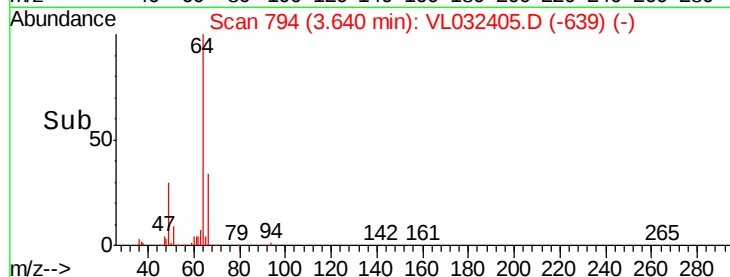
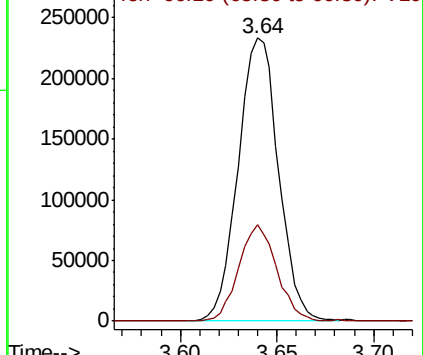
64 100

66 34.1 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.705 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032405.D

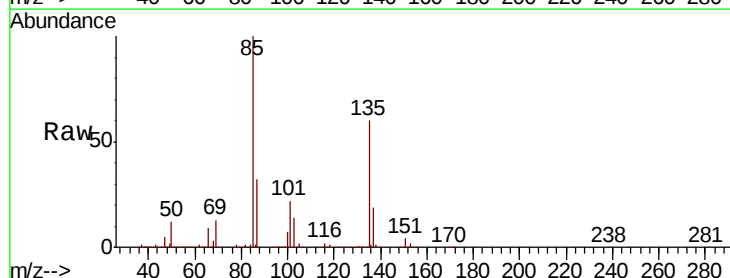
Acq: 17 Aug 2018 12:40

Tgt Ion: 85 Resp: 1946745

Ion Ratio Lower Upper

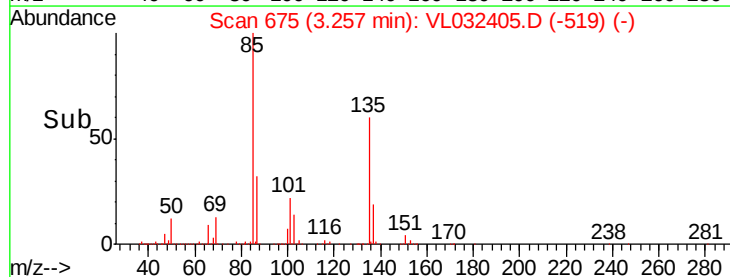
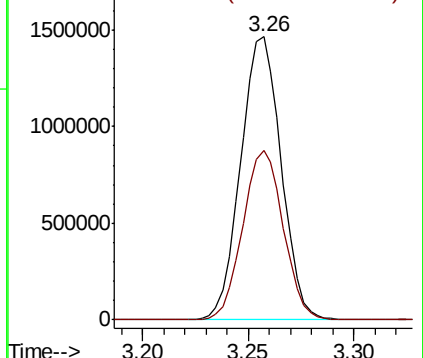
85 100

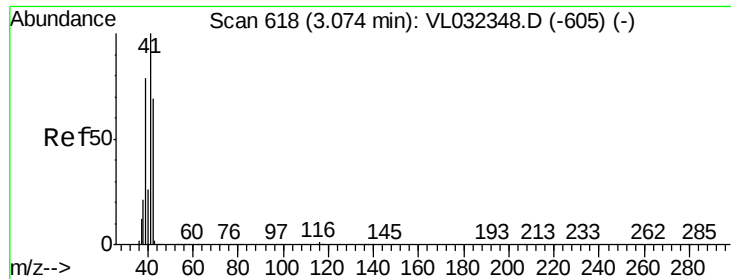
135 60.5 49.0 73.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.151 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

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ClientSampleId :

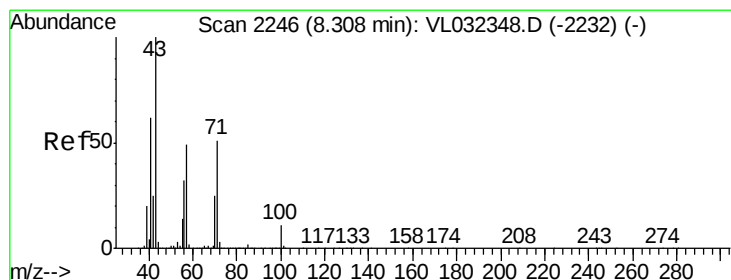
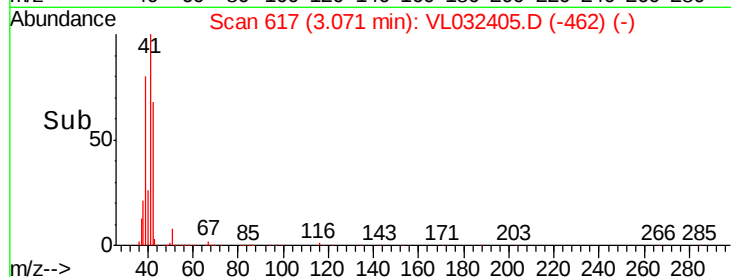
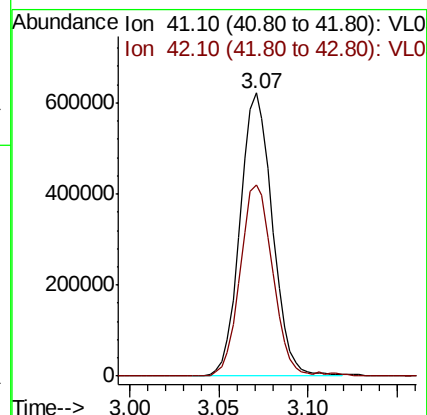
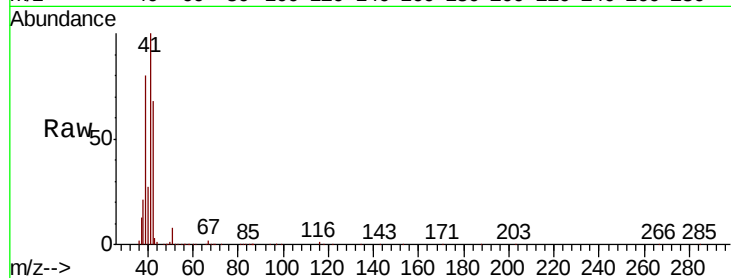
BFB

Tgt Ion: 41 Resp: 784753

Ion Ratio Lower Upper

41 100

42 68.8 55.9 83.9



#10

Heptane

Concen: 12.278 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VL032405.D

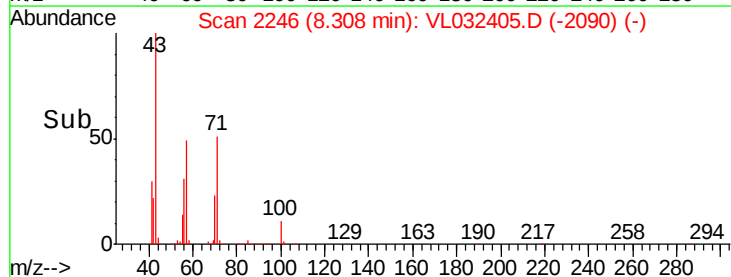
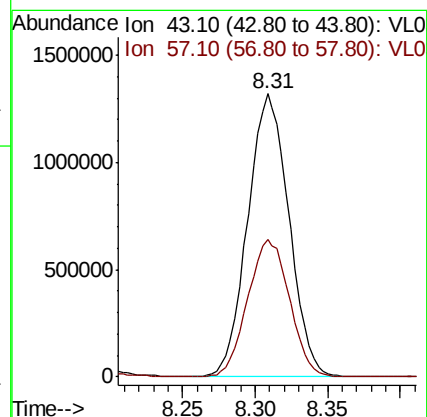
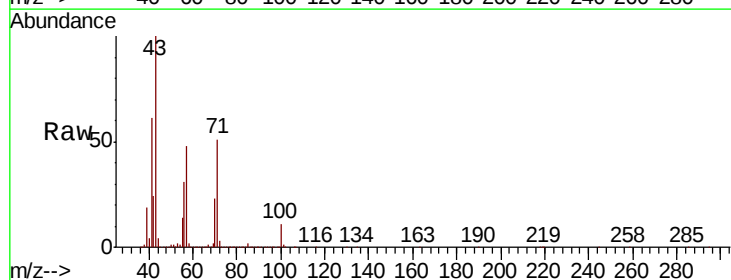
Acq: 17 Aug 2018 12:40

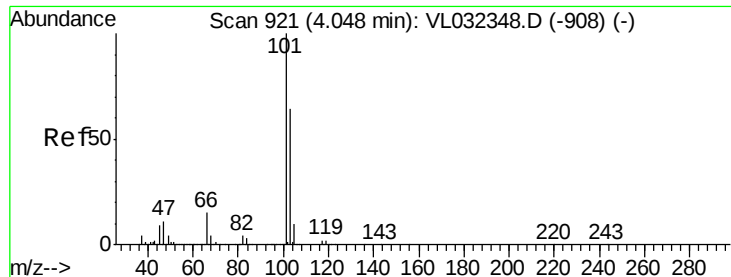
Tgt Ion: 43 Resp: 2602595

Ion Ratio Lower Upper

43 100

57 49.1 39.5 59.3

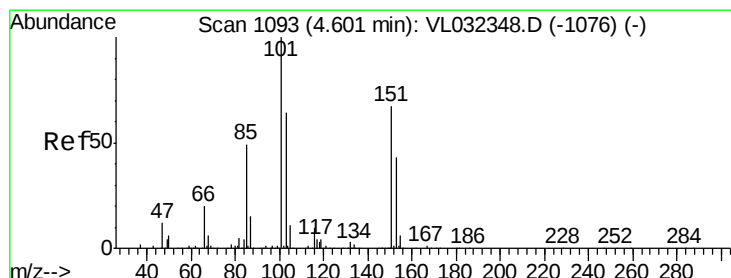
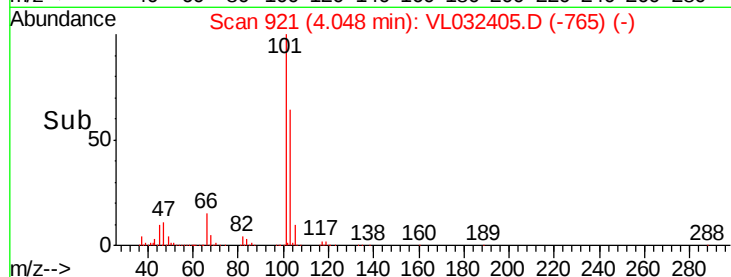
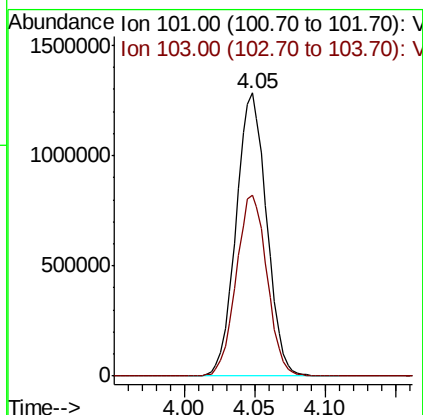
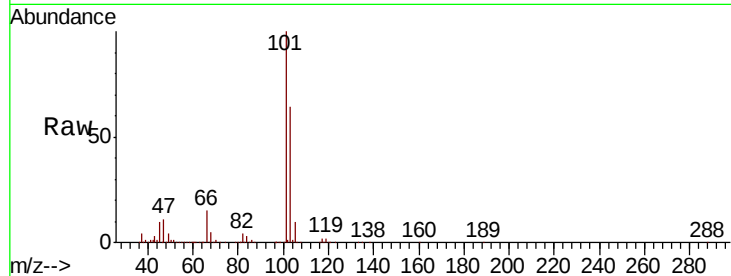




#11
 Trichlorofluoromethane
 Concen: 9.830 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

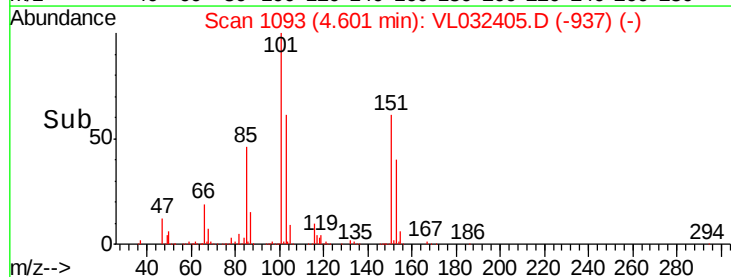
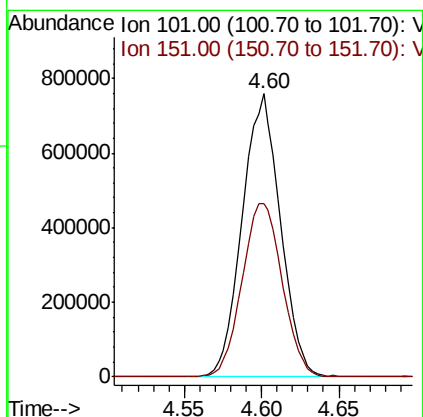
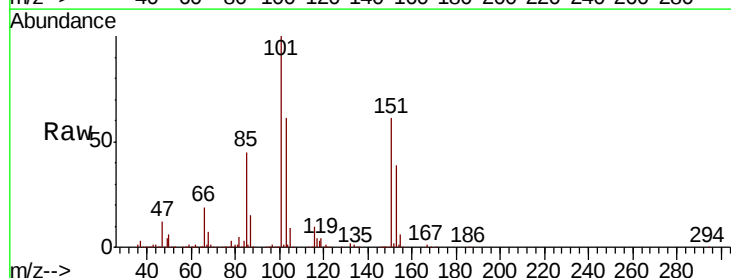
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

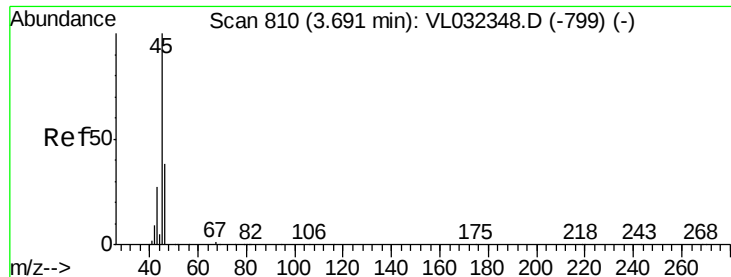
Tgt Ion:101 Resp: 1951637
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.746 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion:101 Resp: 1302963
 Ion Ratio Lower Upper
 101 100
 151 64.5 53.1 79.7





#13

Ethanol

Concen: 11.141 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

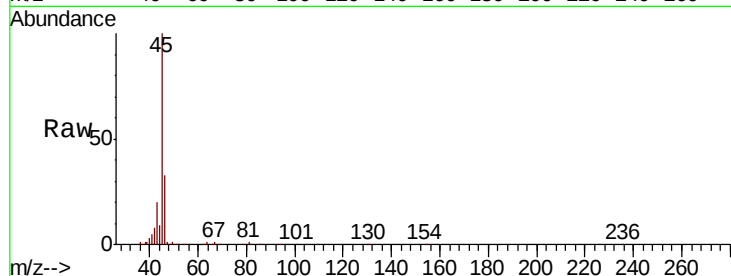
BFB

Tgt Ion: 45 Resp: 201381

Ion Ratio Lower Upper

45 100

46 35.4 15.6 62.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.69

120000

100000

80000

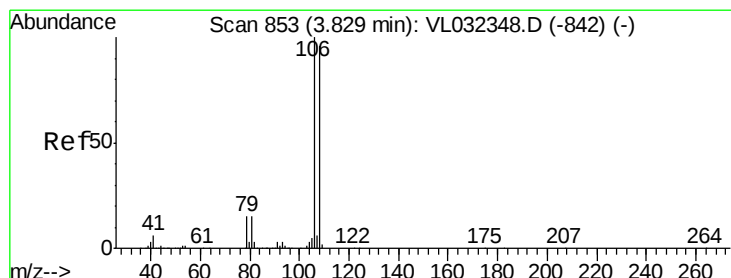
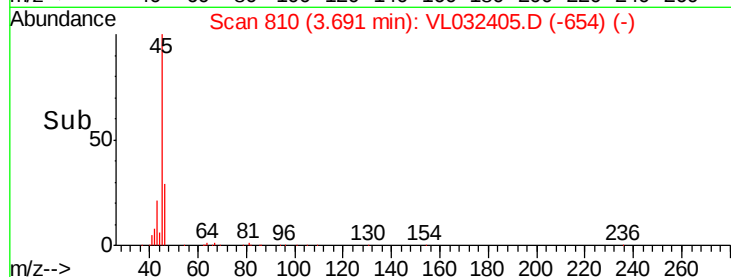
60000

40000

20000

0

Time-->



#14

Bromoethene

Concen: 10.526 ppbv

RT: 3.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

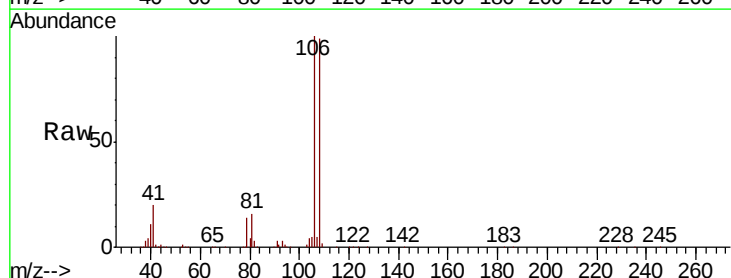
Tgt Ion: 108 Resp: 608607

Ion Ratio Lower Upper

108 100

106 105.9 85.7 128.5

79 17.2 13.1 19.7



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

600000

500000

400000

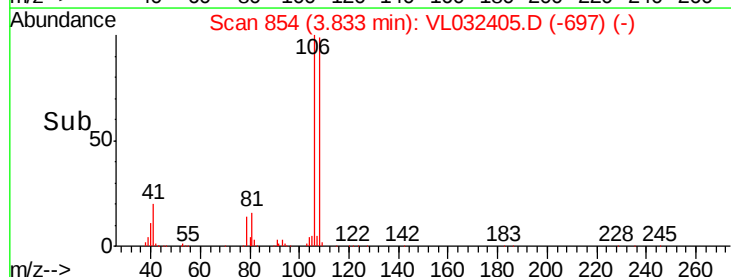
300000

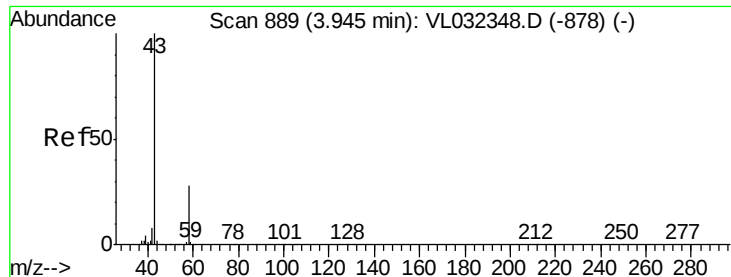
200000

100000

0

Time-->





#15

Acetone

Concen: 9.242 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

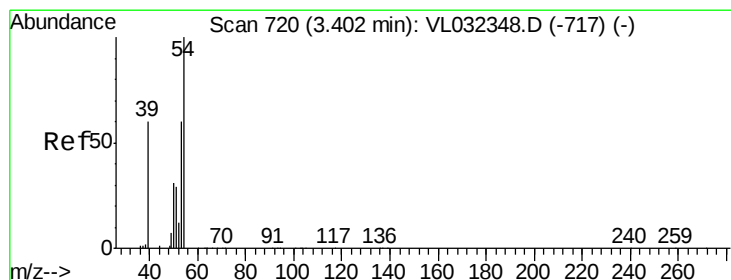
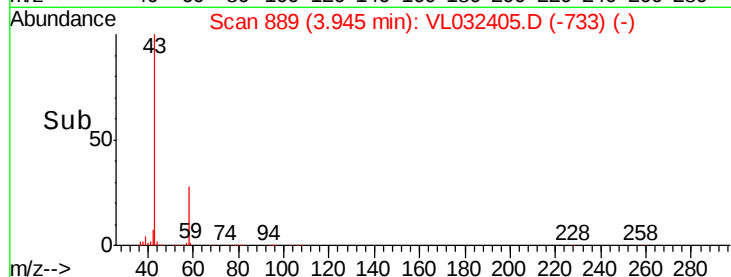
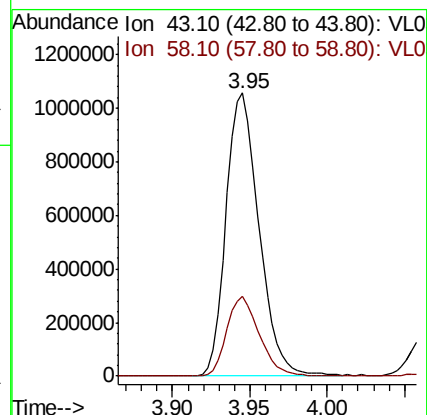
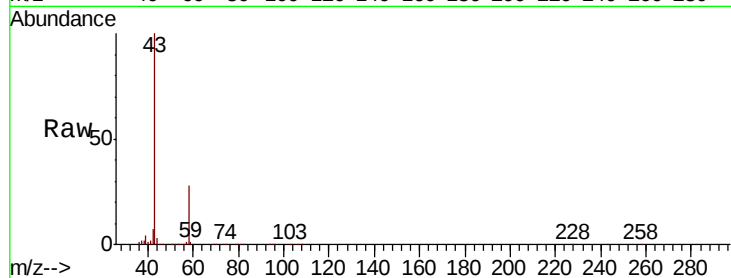
BFB

Tgt Ion: 43 Resp: 1558729

Ion Ratio Lower Upper

43 100

58 27.9 22.4 33.6



#16

1,3-Butadiene

Concen: 10.887 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032405.D

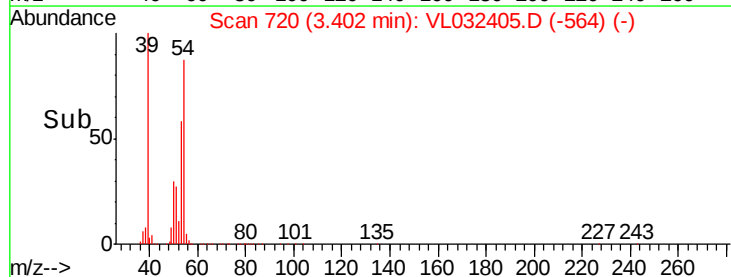
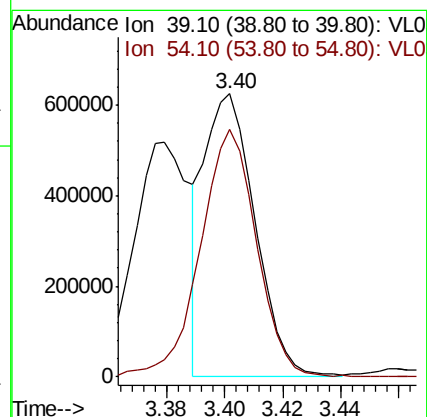
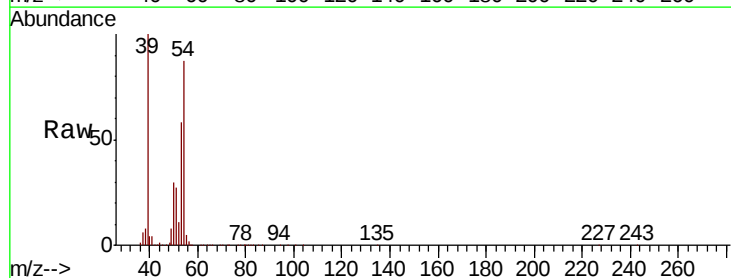
Acq: 17 Aug 2018 12:40

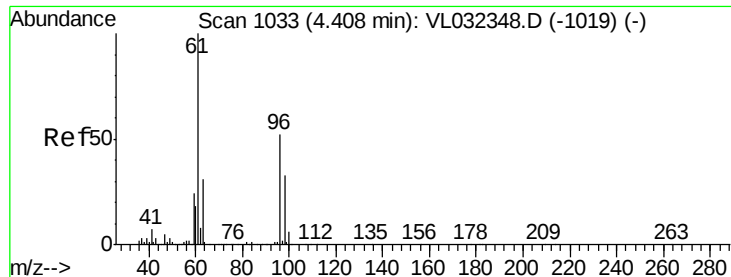
Tgt Ion: 39 Resp: 758059

Ion Ratio Lower Upper

39 100

54 97.9 85.5 128.3

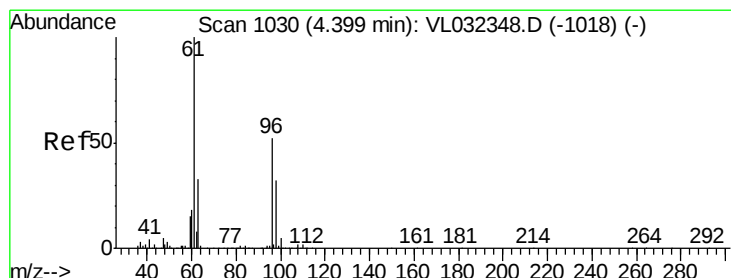
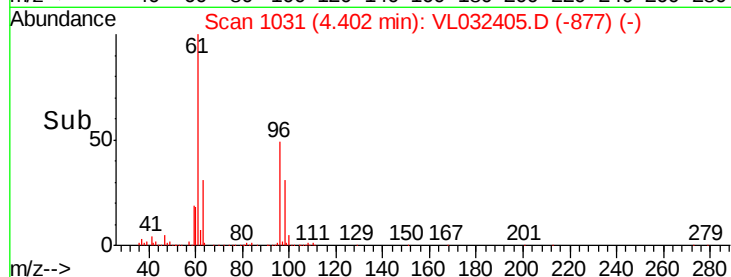
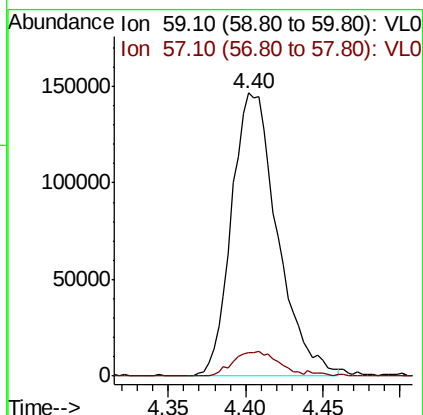
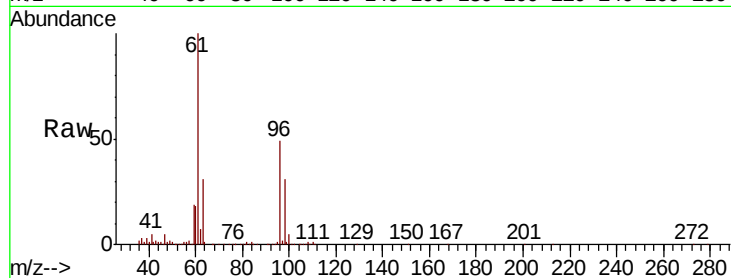




#17
 tert-Butyl alcohol
 Concen: 10.659 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

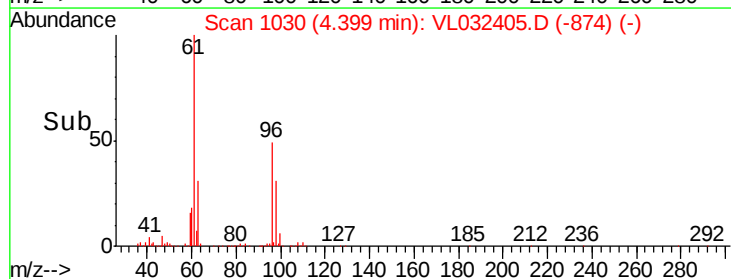
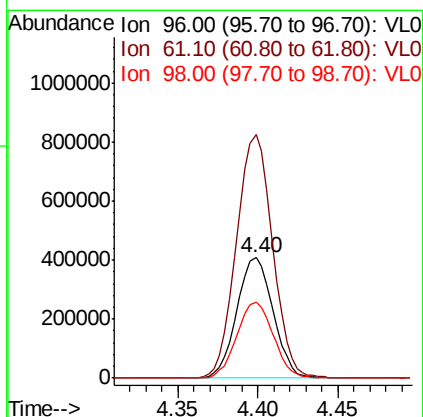
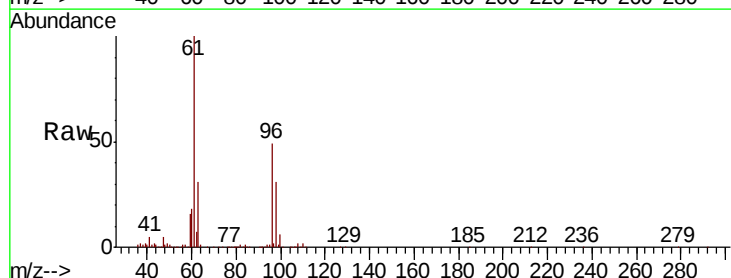
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

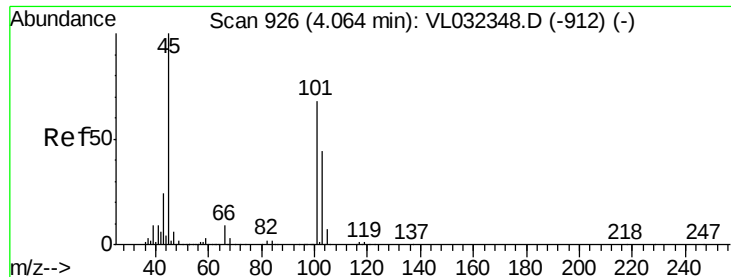
Tgt Ion: 59 Resp: 301649
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.6 11.4



#18
 1,1-Dichloroethene
 Concen: 10.152 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 96 Resp: 632372
 Ion Ratio Lower Upper
 96 100
 61 202.1 154.6 231.8
 98 63.4 50.1 75.1





#19

Isopropyl Alcohol

Concen: 10.796 ppbv

RT: 4.06 min Scan# 926

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

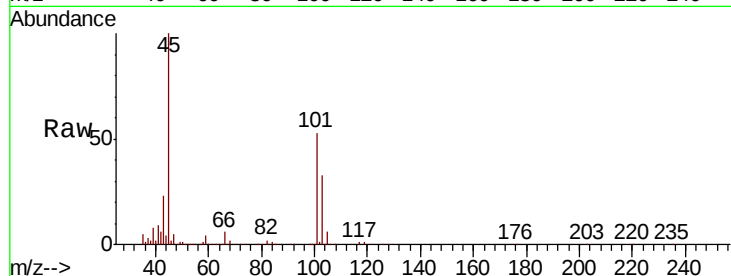
BFB

Tgt Ion: 45 Resp: 1226136

Ion Ratio Lower Upper

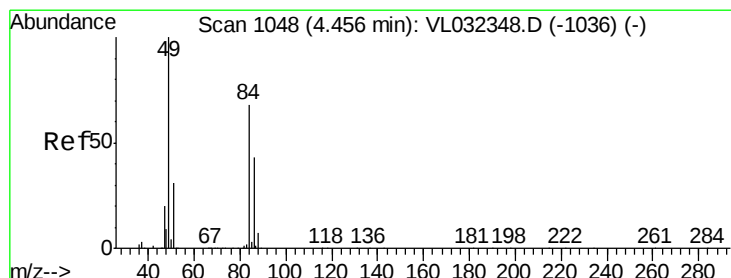
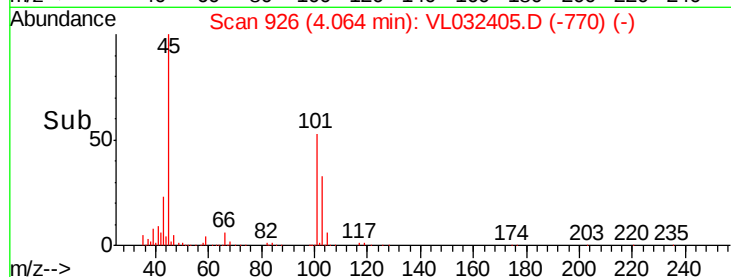
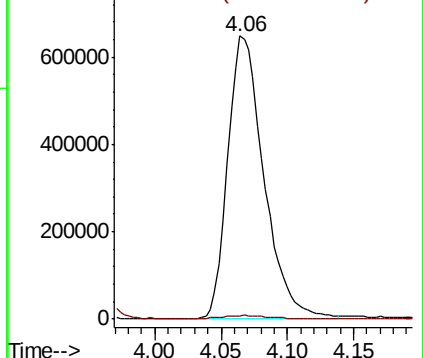
45 100

58 1.7 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.744 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Tgt Ion: 84 Resp: 556960

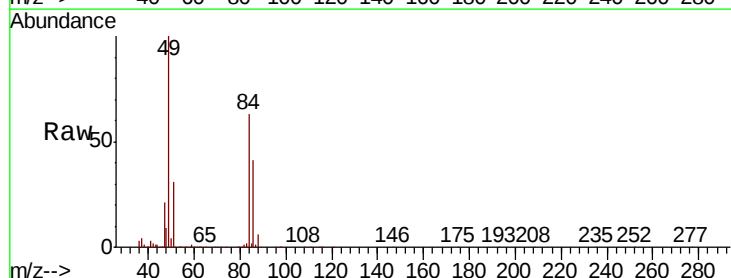
Ion Ratio Lower Upper

84 100

49 159.5 117.3 175.9

51 48.5 36.6 55.0

86 65.9 49.8 74.8

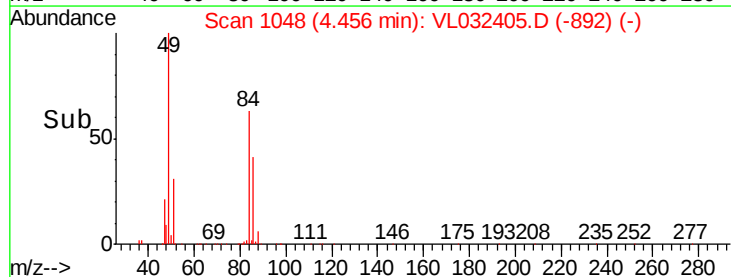
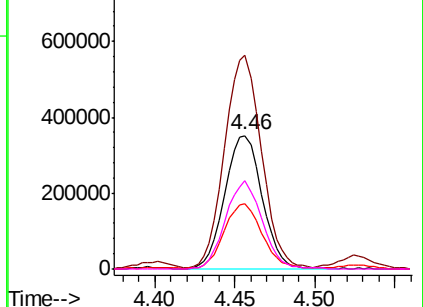


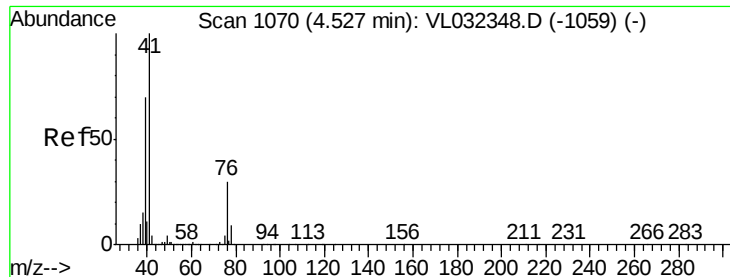
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

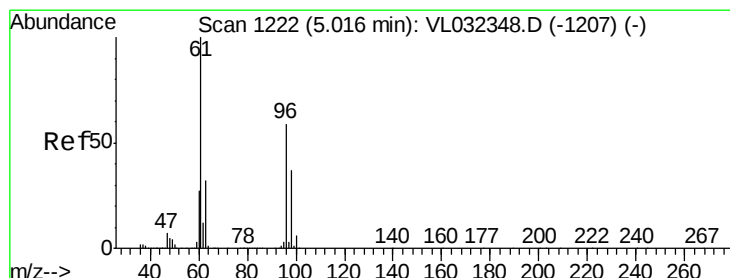
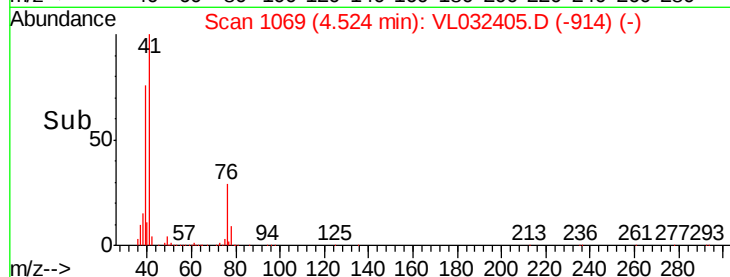
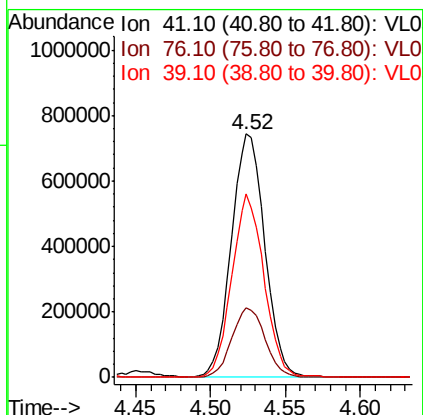
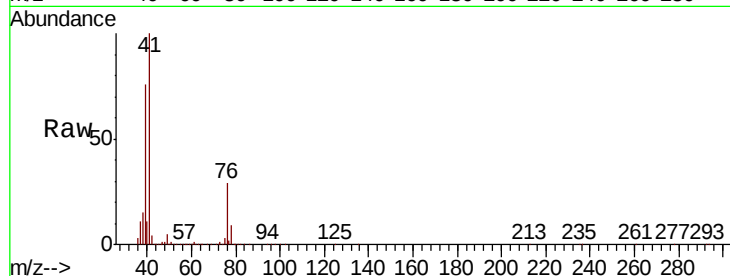




#21
 Allyl Chloride
 Concen: 10.863 ppbv
 RT: 4.52 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

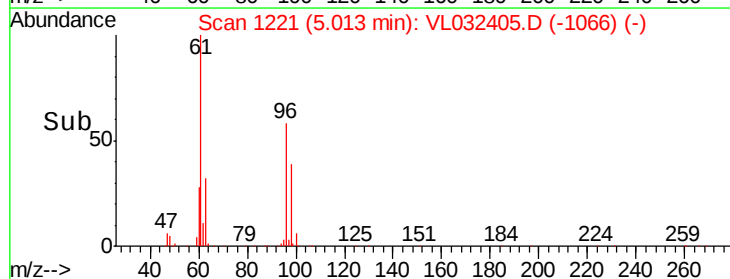
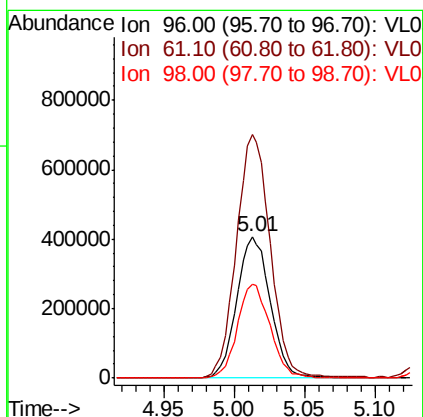
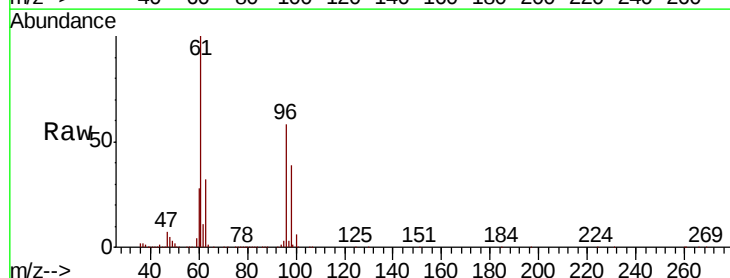
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

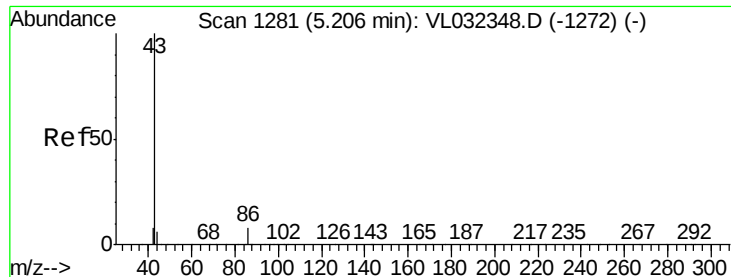
Tgt Ion: 41 Resp: 1156358
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.9 34.3
 39 72.4 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.809 ppbv
 RT: 5.01 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 96 Resp: 679040
 Ion Ratio Lower Upper
 96 100
 61 172.0 136.6 205.0
 98 66.7 50.6 76.0



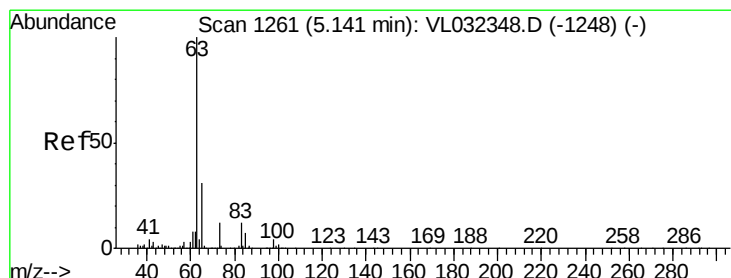
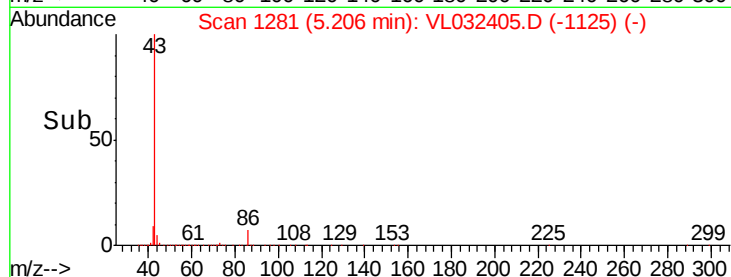
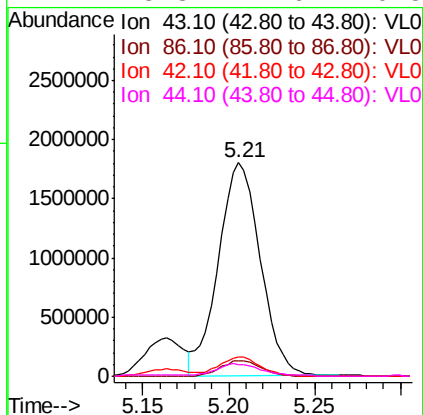
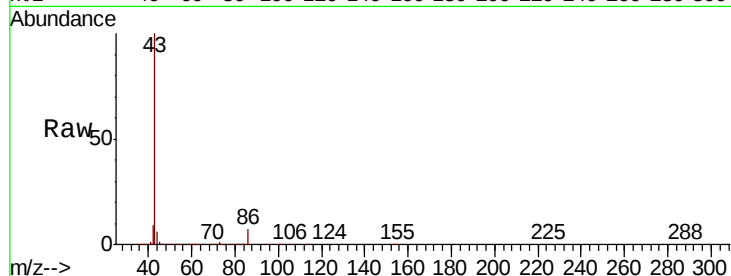


#23
 Vinyl Acetate
 Concen: 10.515 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 43 Resp: 3062432

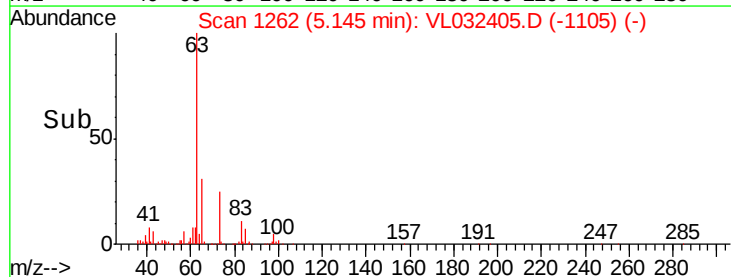
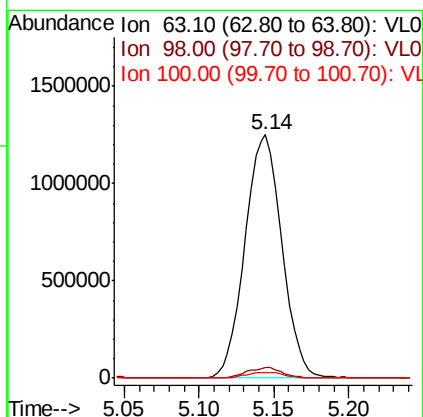
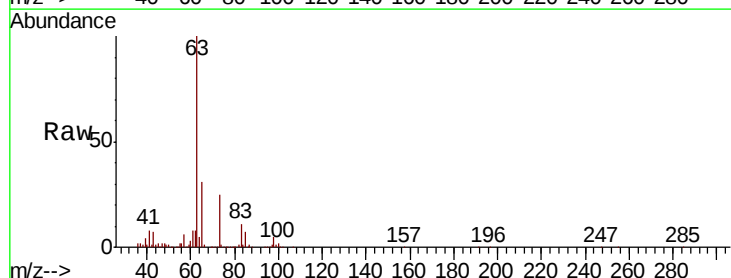
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	8.9	7.0	10.6
44	5.3	4.6	6.8

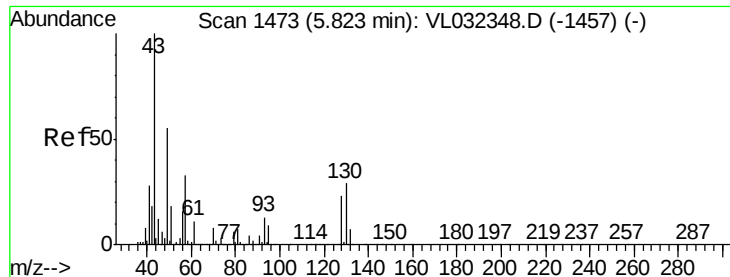


#24
 1,1-Dichloroethane
 Concen: 10.219 ppbv
 RT: 5.14 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 63 Resp: 2148772

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	2.5	1.2	3.6



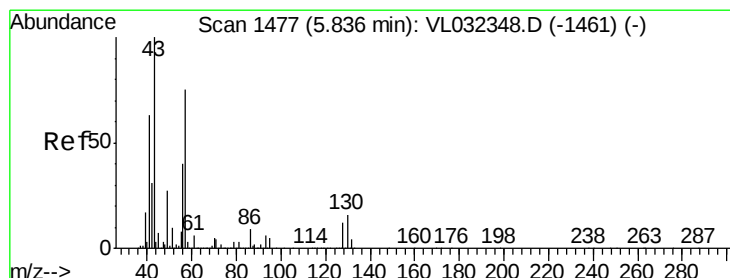
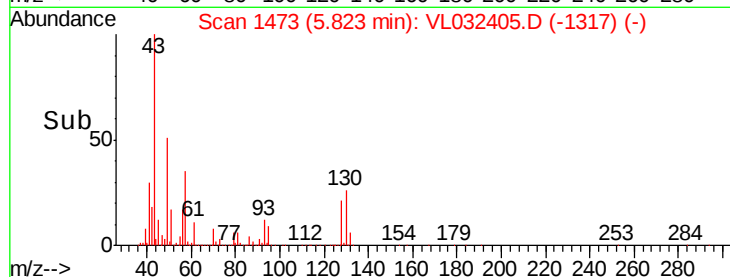
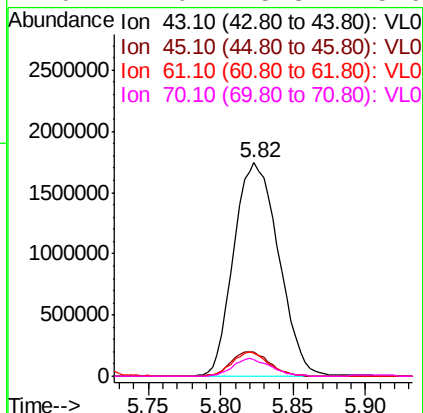
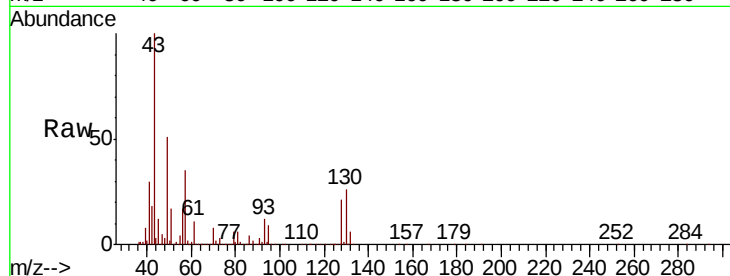


#25
Ethyl Acetate
Concen: 10.398 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 43 Resp: 3758132

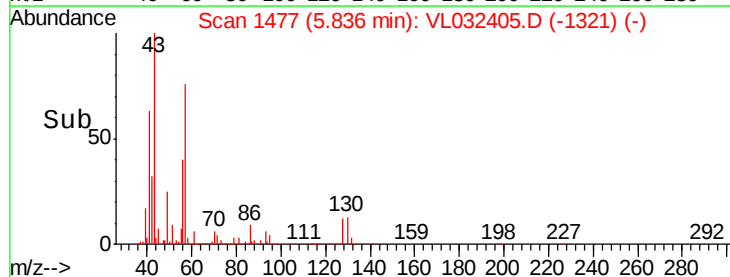
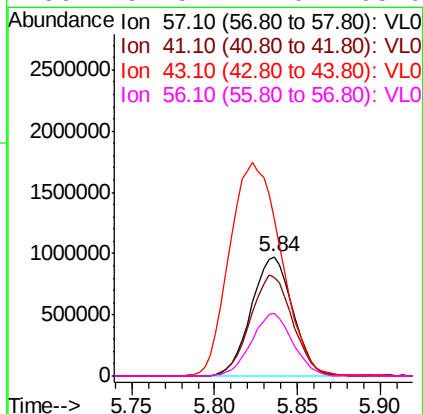
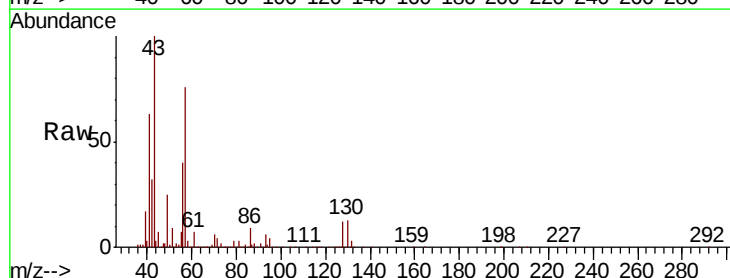
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.8	8.6

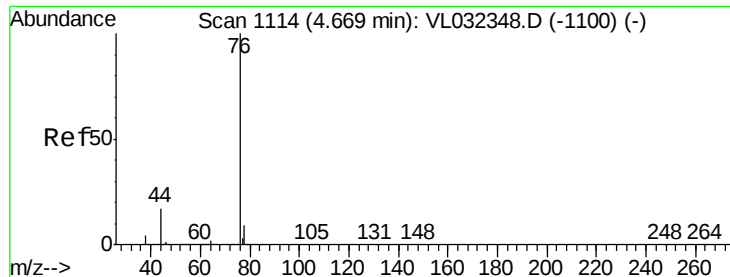


#26
Hexane
Concen: 10.558 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 57 Resp: 1701217

Ion	Ratio	Lower	Upper
57	100		
41	86.3	68.0	102.0
43	221.9	175.3	262.9
56	52.5	42.0	63.0





#27

Carbon Disulfide

Concen: 10.919 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

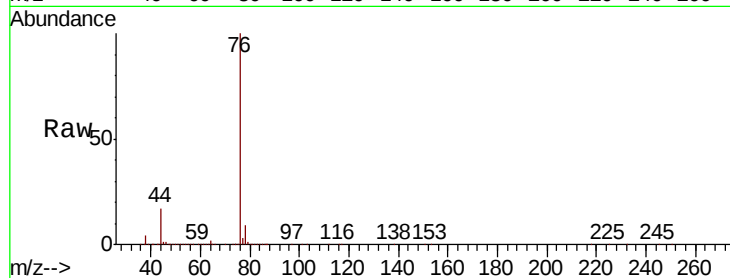
Tgt Ion: 76 Resp: 1642134

Ion Ratio Lower Upper

76 100

44 17.8 14.4 21.6

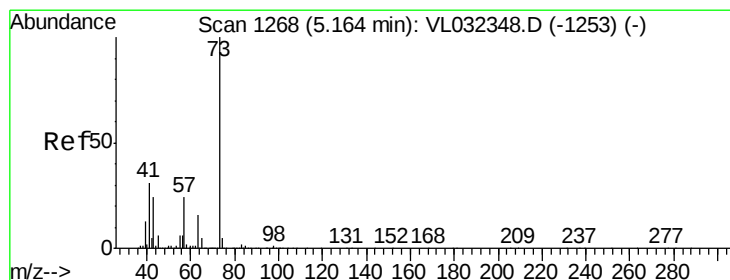
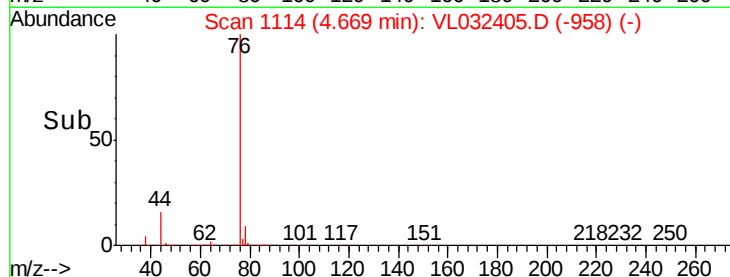
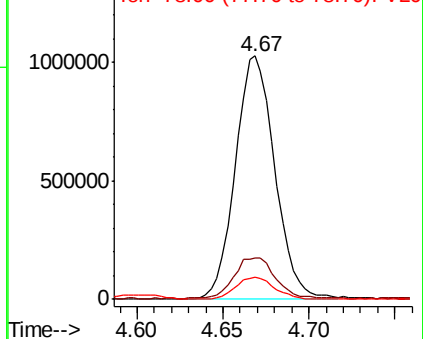
78 9.1 7.4 11.0



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: 11.058 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032405.D

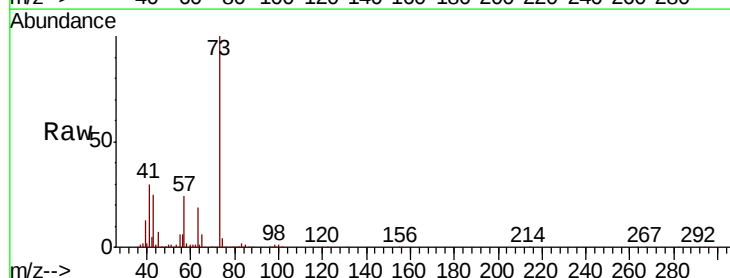
Acq: 17 Aug 2018 12:40

Tgt Ion: 73 Resp: 2364548

Ion Ratio Lower Upper

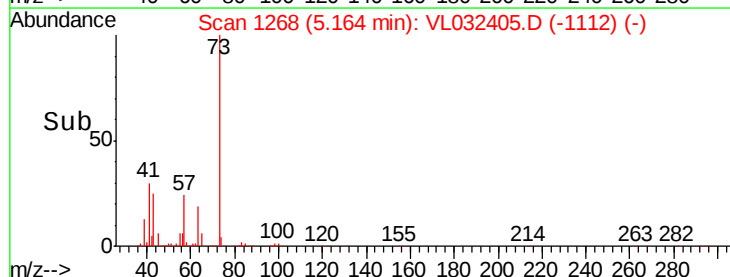
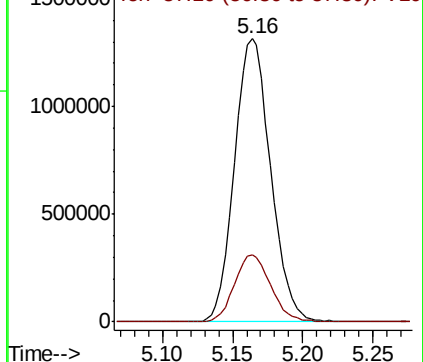
73 100

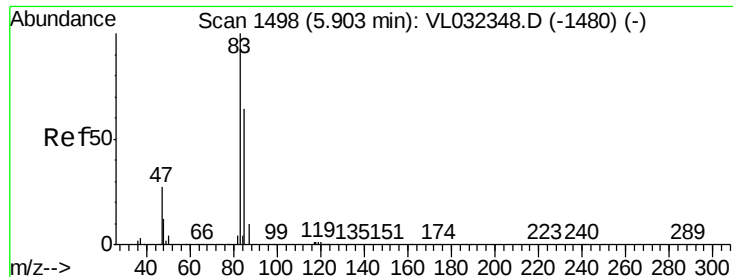
57 23.9 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

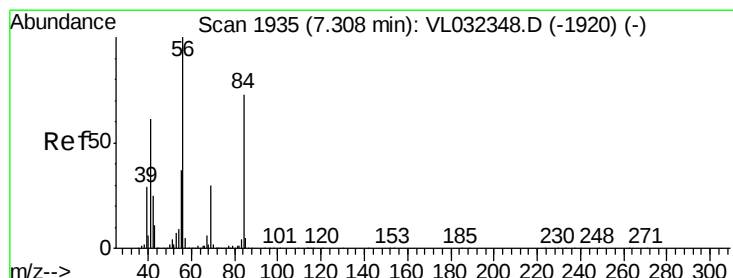
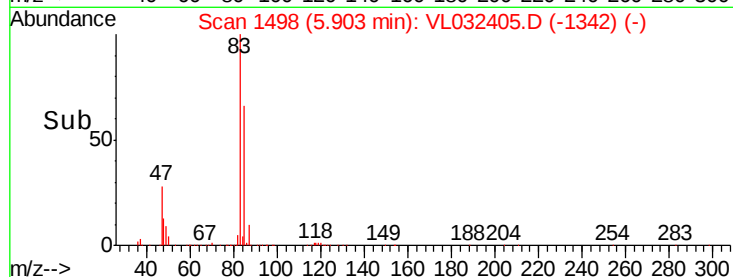
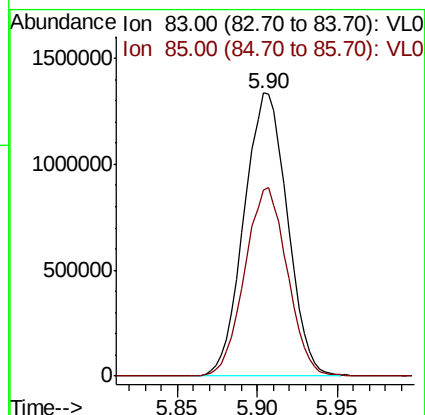
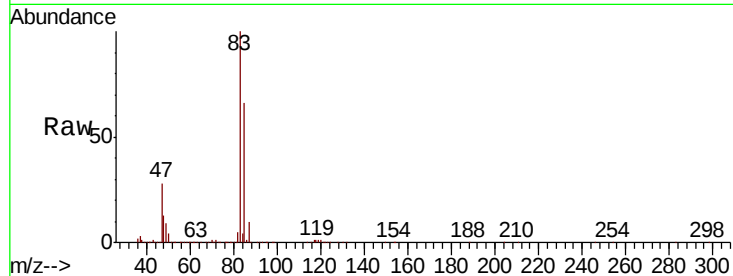




#29
Chloroform
Concen: 10.478 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

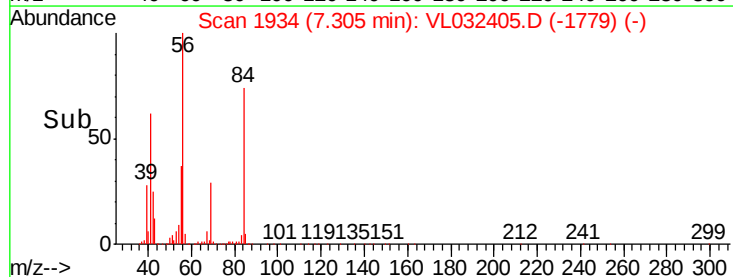
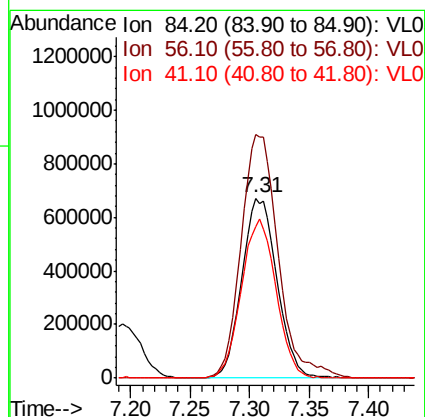
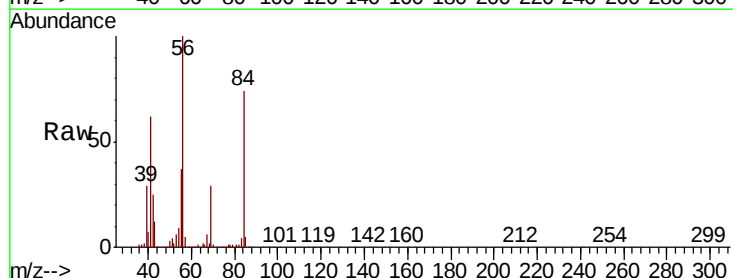
Instrument :
MSVOA_L
ClientSampled :
BFB

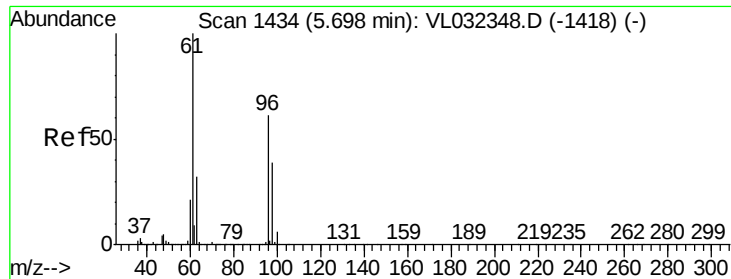
Tgt Ion: 83 Resp: 2474293
Ion Ratio Lower Upper
83 100
85 65.7 51.6 77.4



#30
Cyclohexane
Concen: 11.197 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 84 Resp: 1374287
Ion Ratio Lower Upper
84 100
56 143.2 115.7 173.5
41 87.0 67.9 101.9

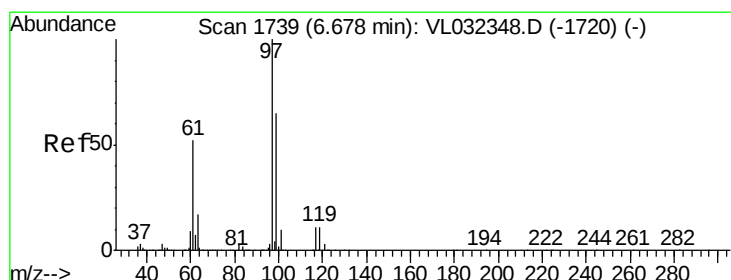
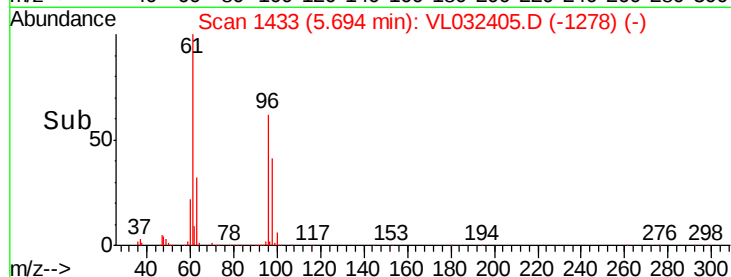
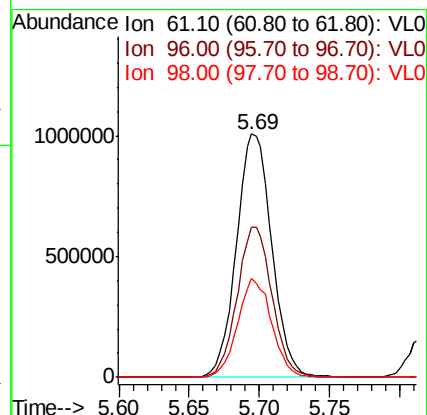
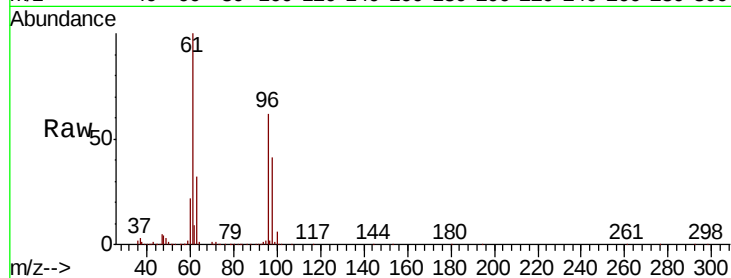




#31
 cis-1,2-Dichloroethene
 Concen: 11.217 ppbv
 RT: 5.69 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

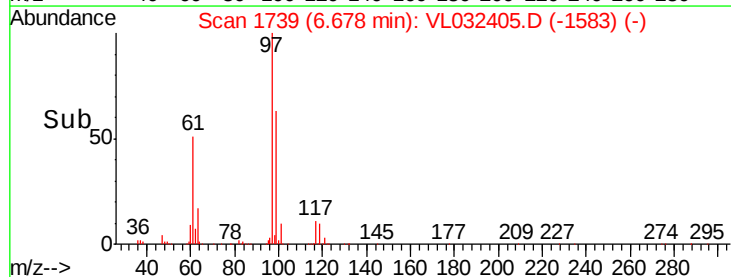
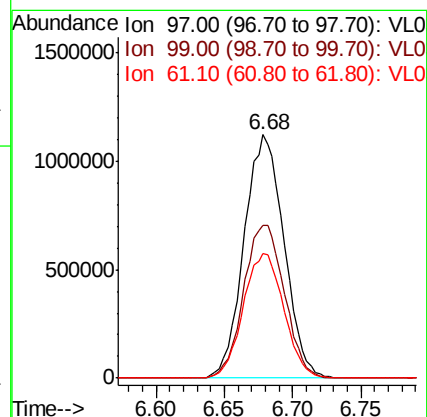
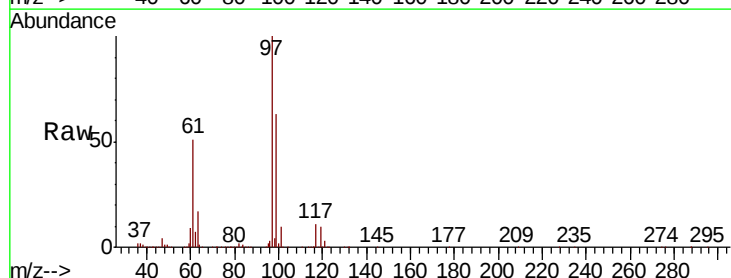
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

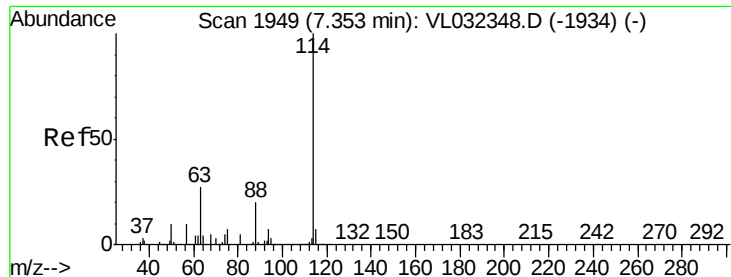
Tgt Ion: 61 Resp: 1768243
 Ion Ratio Lower Upper
 61 100
 96 61.5 48.5 72.7
 98 40.6 31.0 46.4



#32
 1,1,1-Trichloroethane
 Concen: 9.902 ppbv
 RT: 6.68 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 97 Resp: 2275514
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.1 76.7
 61 52.1 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

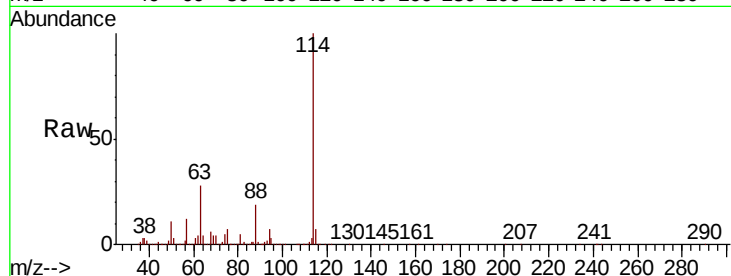
Tgt Ion:114 Resp: 3687000

Ion Ratio Lower Upper

114 100

63 28.2 22.0 33.0

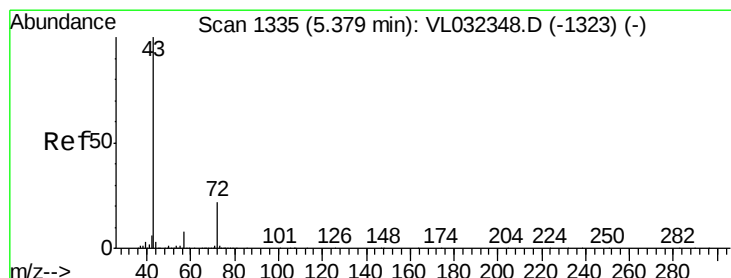
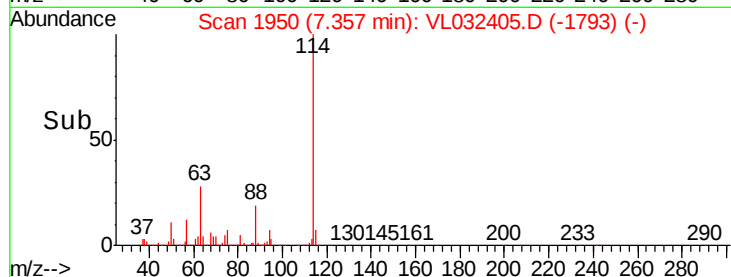
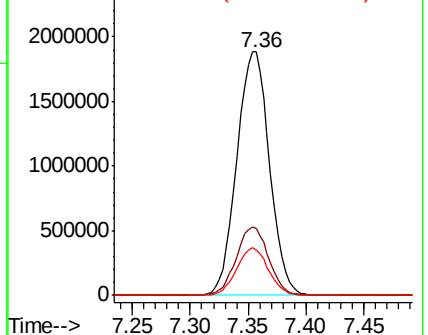
88 18.9 15.3 22.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.653 ppbv

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VL032405.D

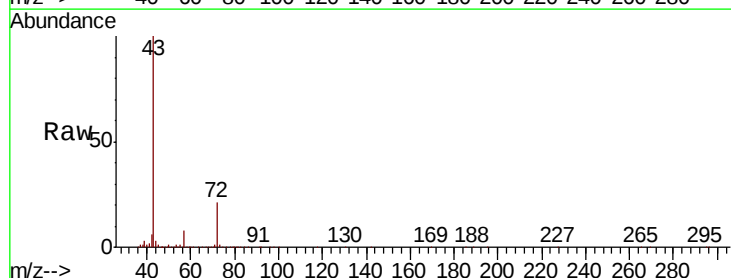
Acq: 17 Aug 2018 12:40

Tgt Ion: 43 Resp: 2673309

Ion Ratio Lower Upper

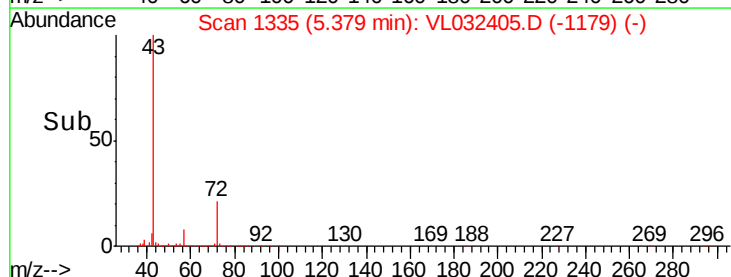
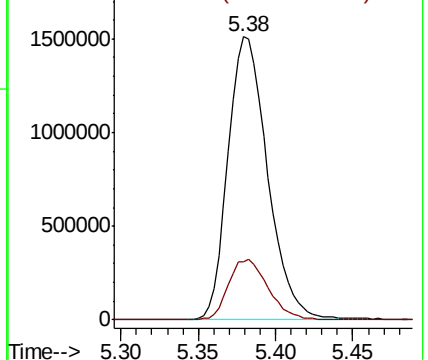
43 100

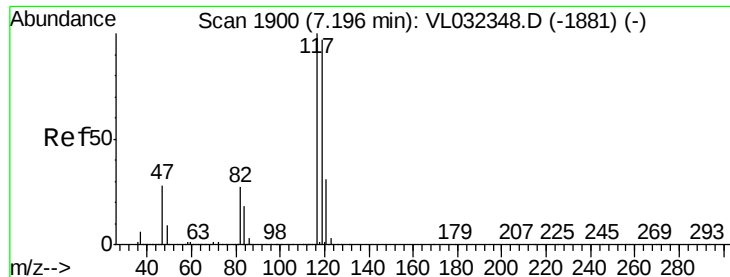
72 21.6 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

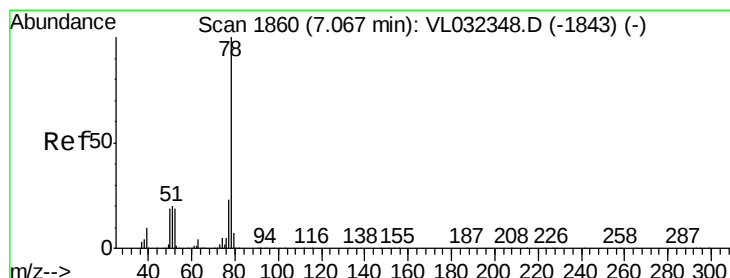
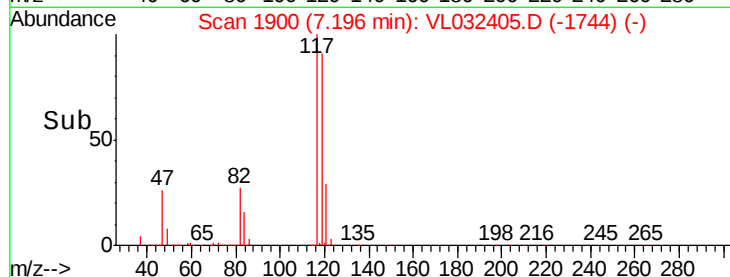
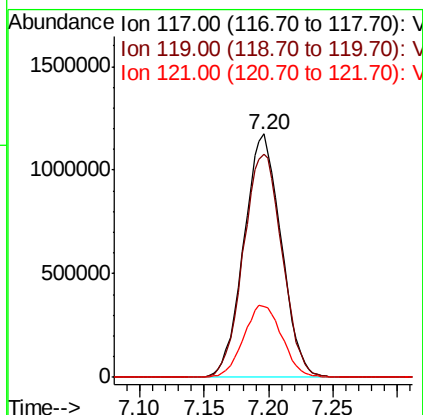
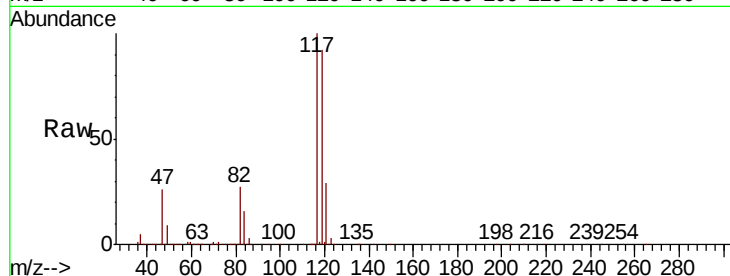




#35
Carbon Tetrachloride
Concen: 10.900 ppbv
RT: 7.20 min Scan# 1900
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

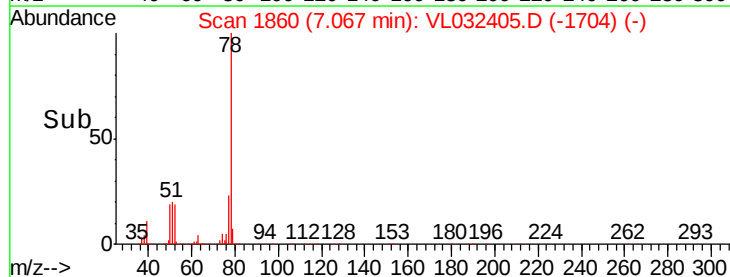
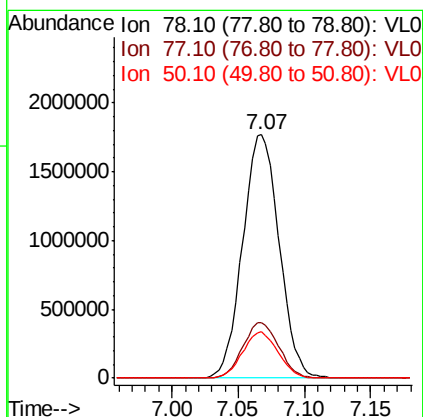
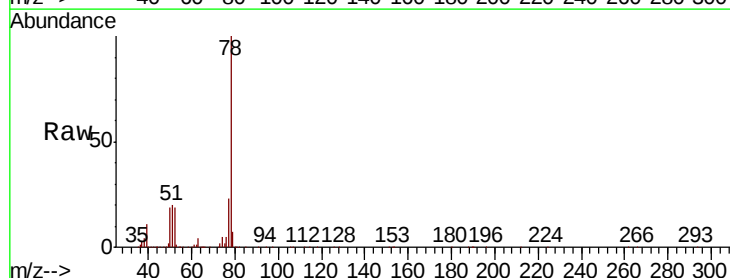
Instrument :
MSVOA_L
ClientSampleId :
BFB

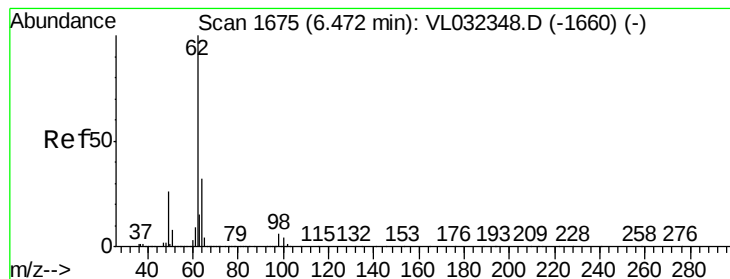
Tgt Ion:117 Resp: 2369705
Ion Ratio Lower Upper
117 100
119 91.6 77.2 115.8
121 29.3 25.1 37.7



#36
Benzene
Concen: 10.848 ppbv
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 78 Resp: 3390910
Ion Ratio Lower Upper
78 100
77 22.7 18.0 27.0
50 18.8 15.1 22.7





#37

1,2-Dichloroethane

Concen: 10.348 ppbv

RT: 6.47 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

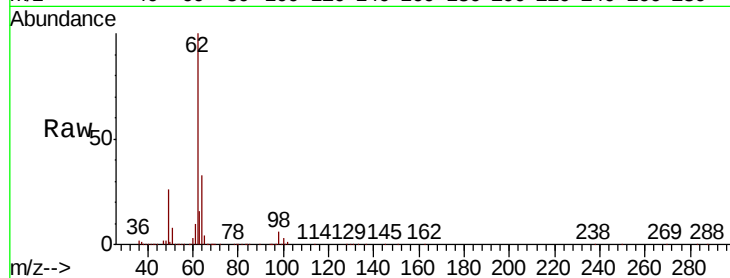
BFB

Tgt Ion: 62 Resp: 1962656

Ion Ratio Lower Upper

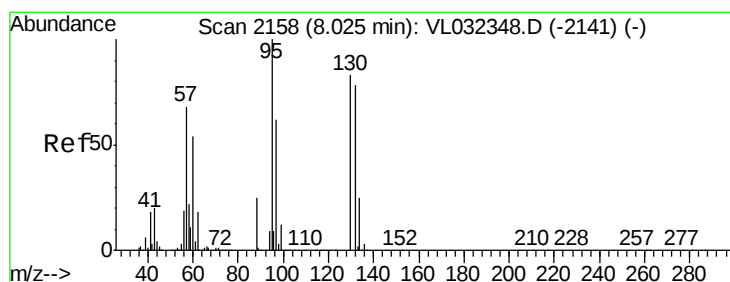
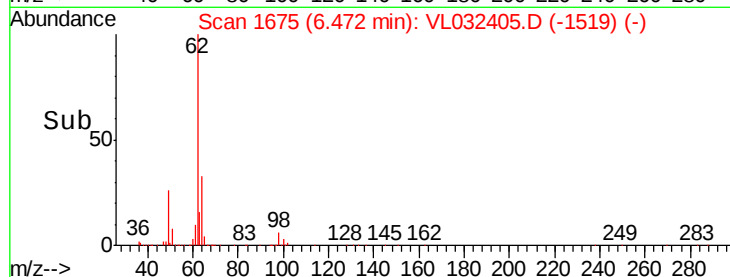
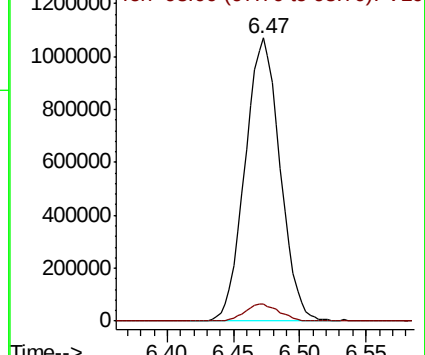
62 100

98 6.0 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.169 ppbv

RT: 8.03 min Scan# 2158

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Tgt Ion: 130 Resp: 1224526

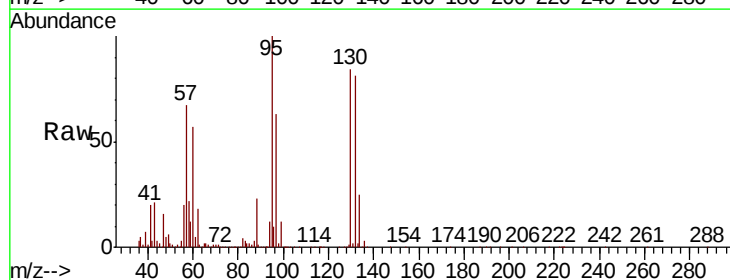
Ion Ratio Lower Upper

130 100

95 119.6 96.6 144.8

132 96.5 75.5 113.3

97 75.1 59.8 89.6

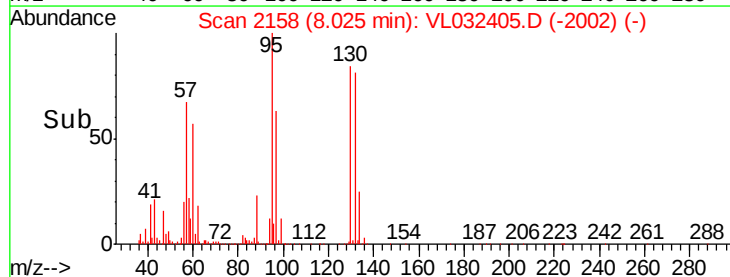
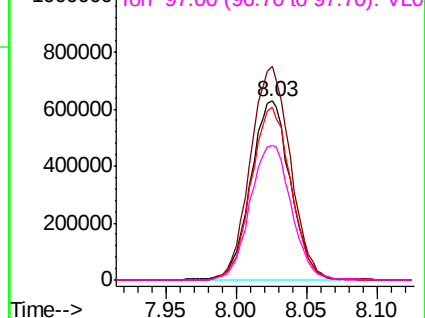


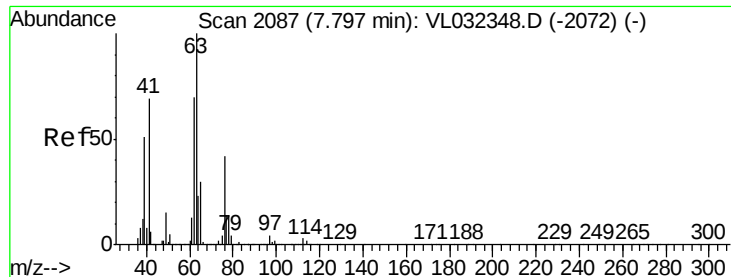
Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0



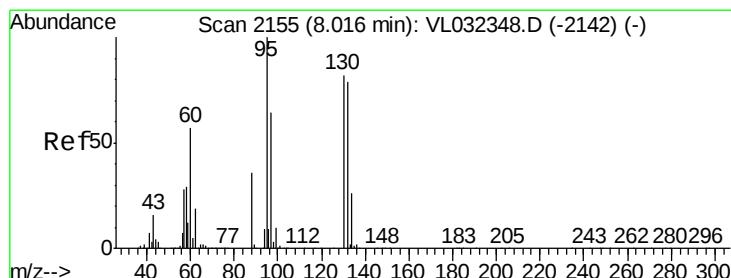
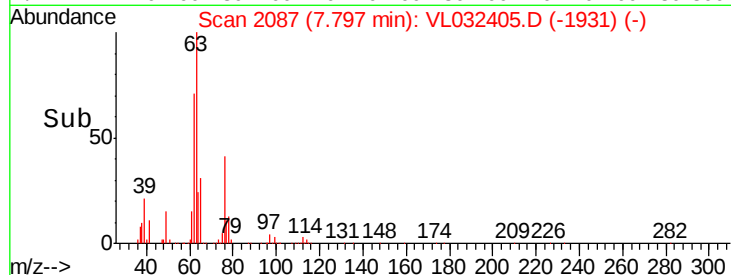
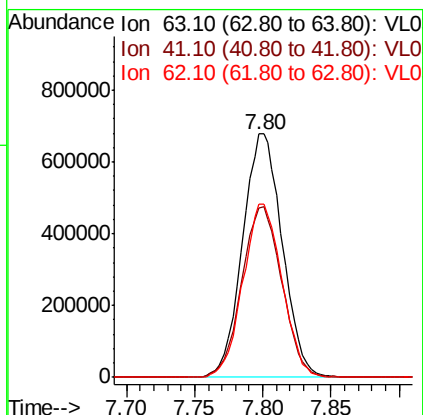
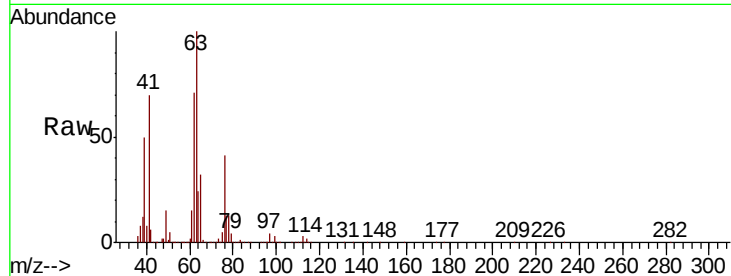


#39
 1,2-Dichloropropane
 Concen: 10.496 ppbv
 RT: 7.80 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 63 Resp: 1370475

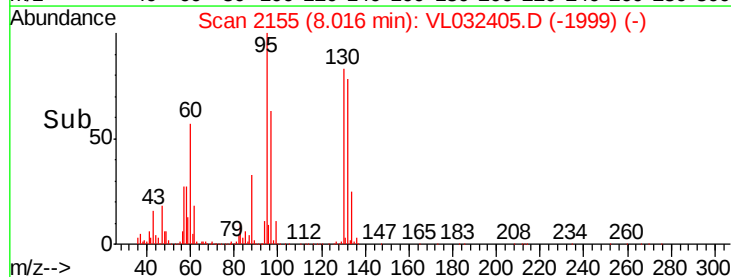
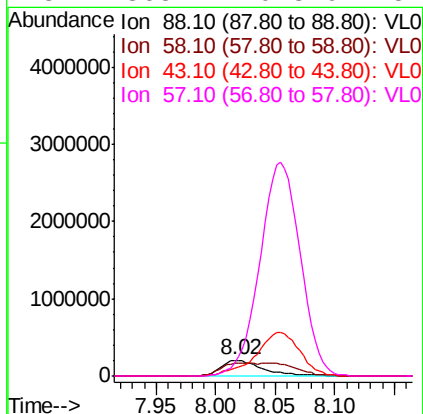
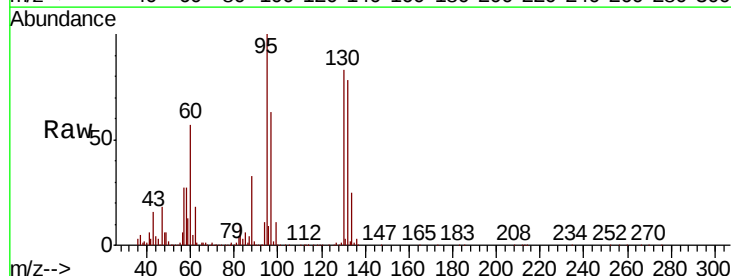
Ion	Ratio	Lower	Upper
63	100		
41	69.4	55.5	83.3
62	71.1	56.3	84.5

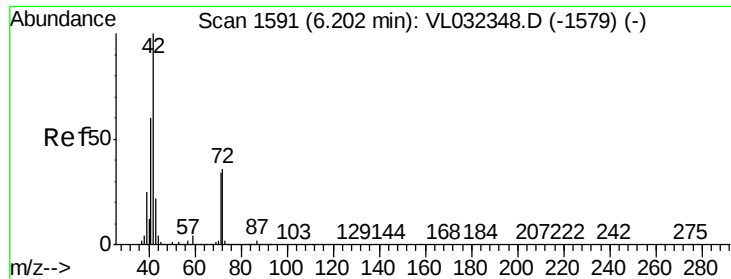


#40
 1,4-Dioxane
 Concen: 12.073 ppbv
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 88 Resp: 478845

Ion	Ratio	Lower	Upper
88	100		
58	145.8	113.7	170.5
43	302.6	224.0	336.0
57	1365.4	1013.0	1519.6





#41

Tetrahydrofuran

Concen: 11.558 ppbv

RT: 6.20 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

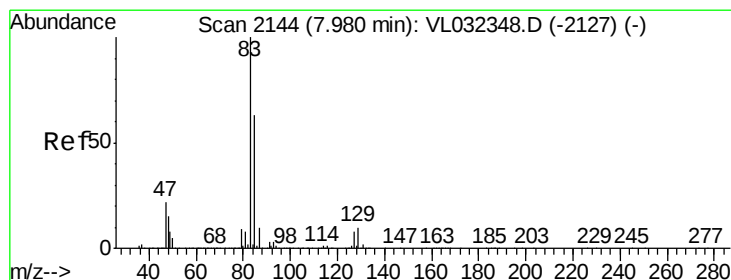
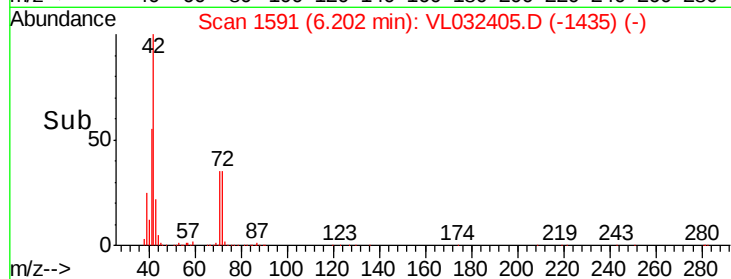
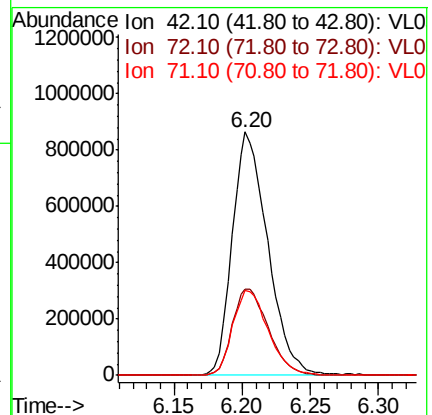
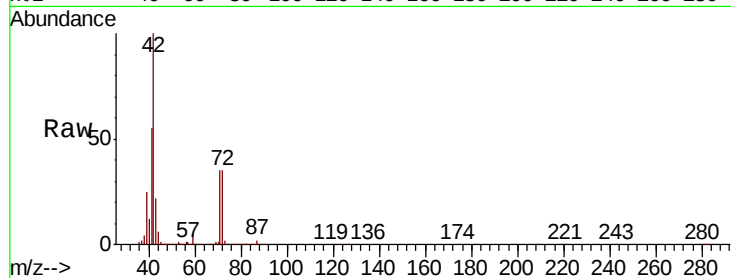
Tgt Ion: 42 Resp: 1557042

Ion Ratio Lower Upper

42 100

72 36.5 29.8 44.6

71 35.1 28.2 42.2



#42

Bromodichloromethane

Concen: 10.844 ppbv

RT: 7.98 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

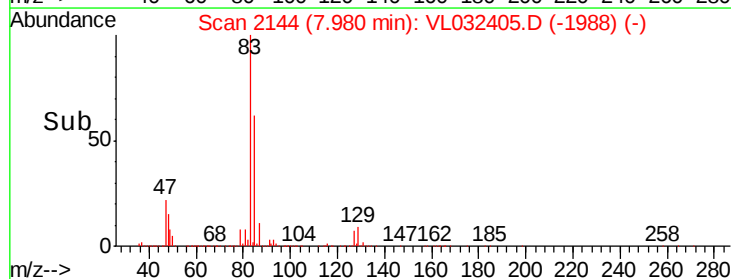
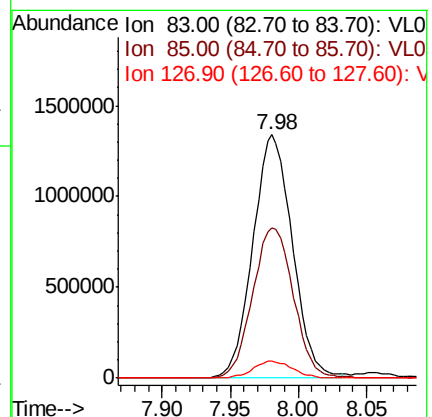
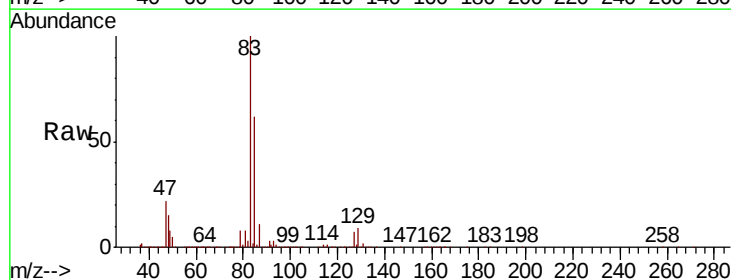
Tgt Ion: 83 Resp: 2692860

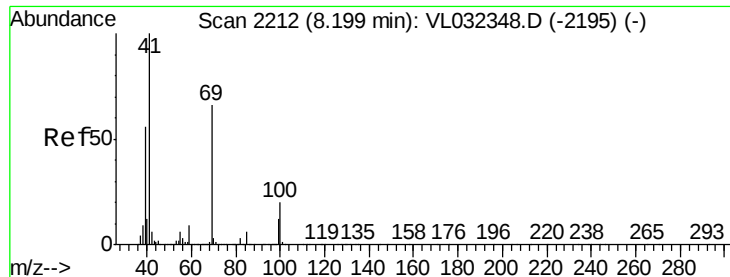
Ion Ratio Lower Upper

83 100

85 61.7 50.4 75.6

127 6.8 6.1 9.1

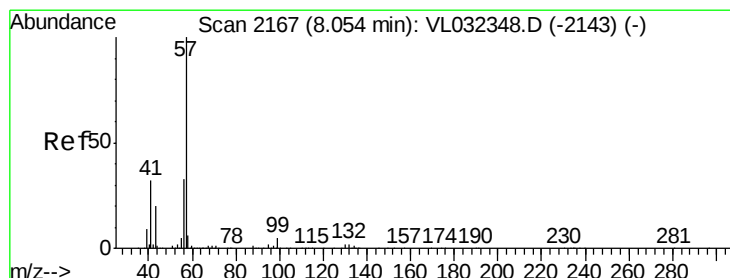
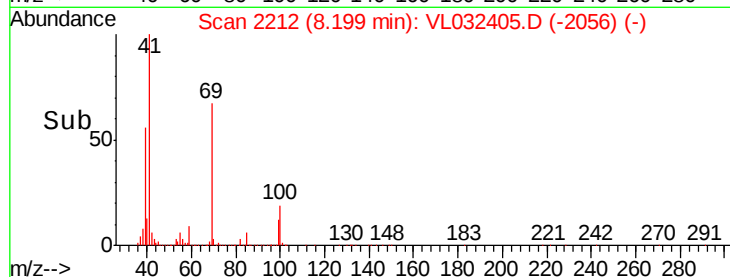
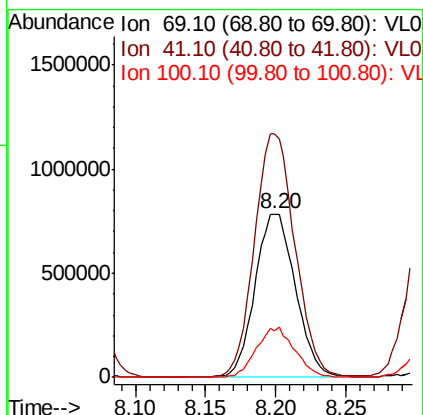
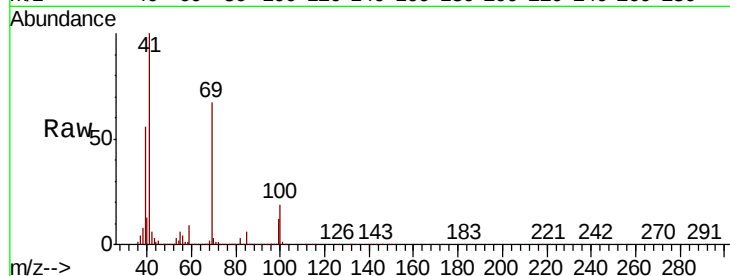




#43
Methyl Methacrylate
Concen: 12.590 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

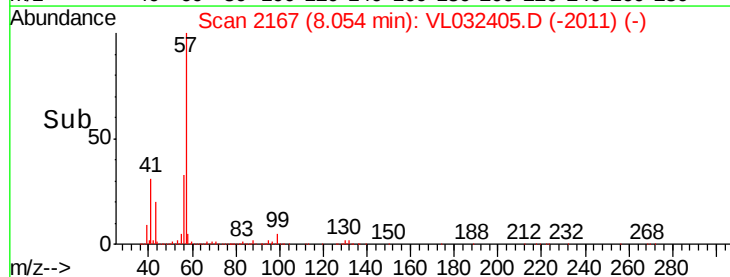
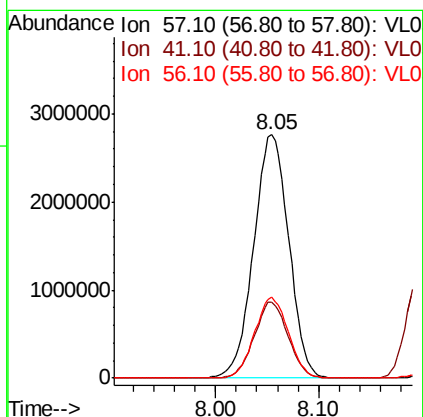
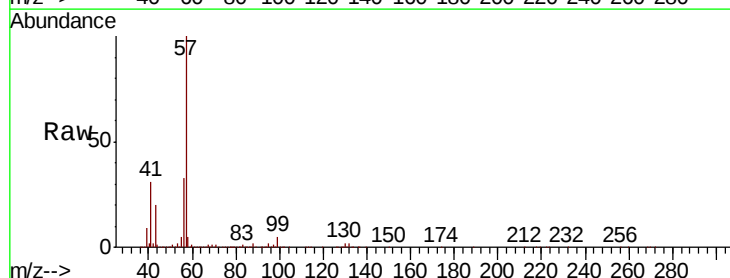
Instrument :
MSVOA_L
ClientSampleId :
BFB

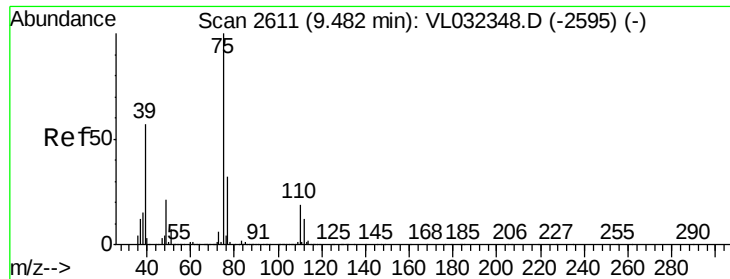
Tgt Ion: 69 Resp: 1568065
Ion Ratio Lower Upper
69 100
41 149.5 118.6 177.8
100 29.2 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 11.583 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 57 Resp: 6528799
Ion Ratio Lower Upper
57 100
41 30.3 24.3 36.5
56 32.0 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.744 ppbv

RT: 9.48 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampled :

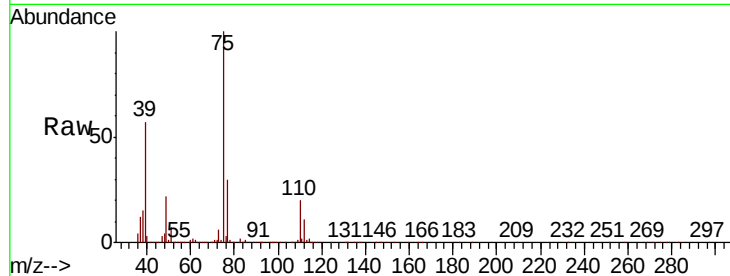
BFB

Tgt Ion: 75 Resp: 1849975

Ion Ratio Lower Upper

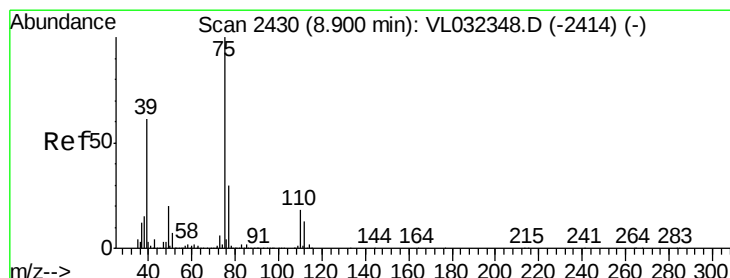
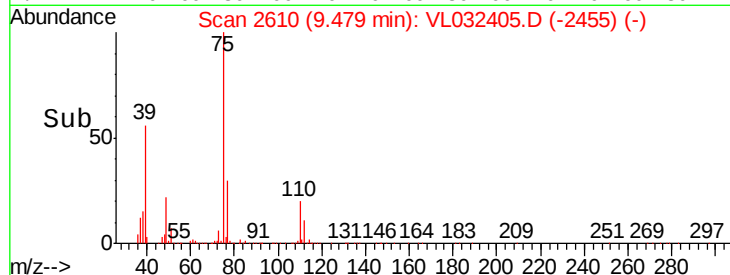
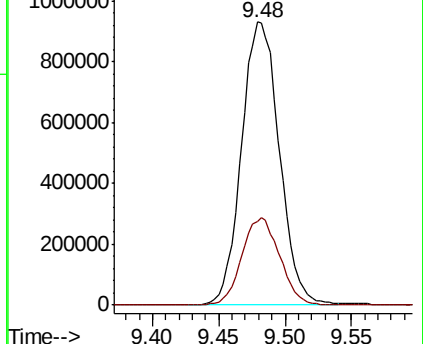
75 100

77 29.8 25.4 38.2



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: 12.170 ppbv

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

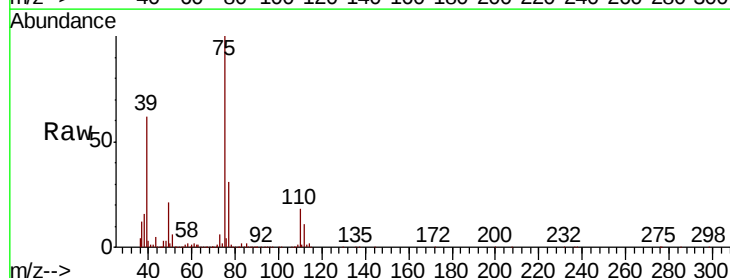
Tgt Ion: 75 Resp: 2299237

Ion Ratio Lower Upper

75 100

39 61.9 48.5 72.7

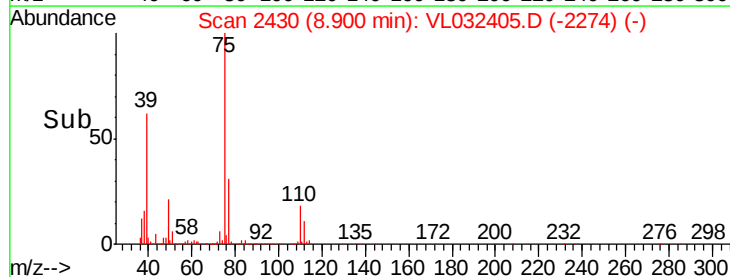
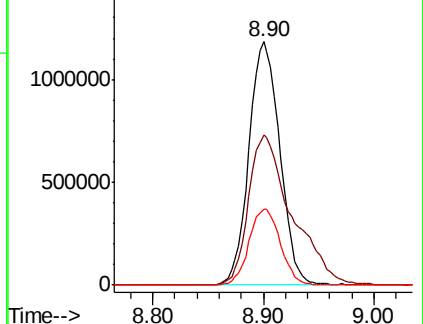
77 31.3 24.3 36.5

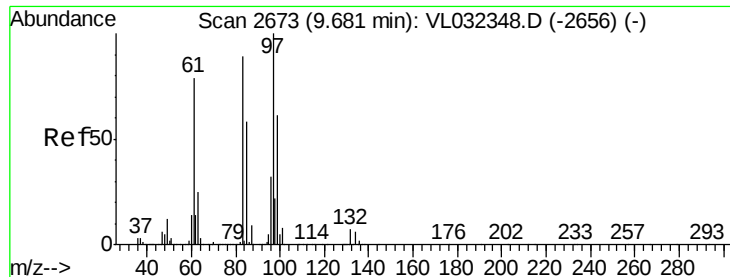


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

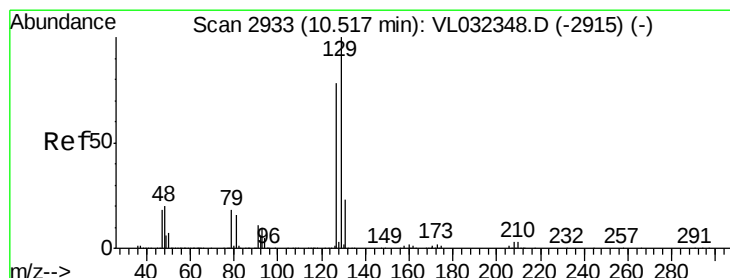
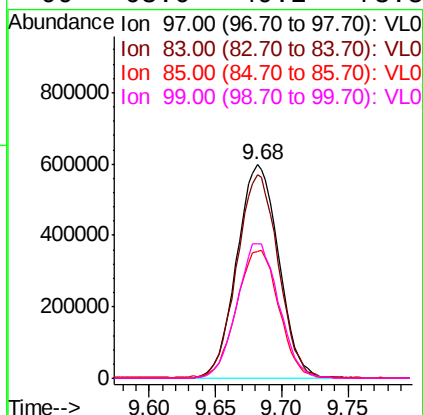
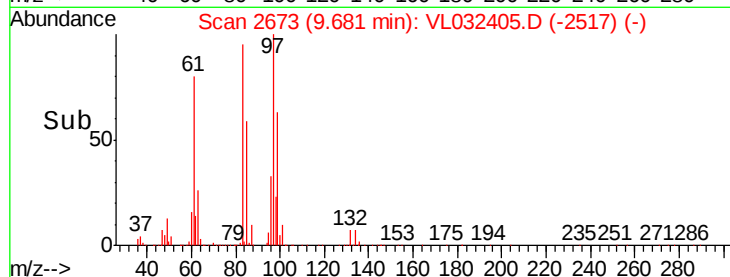
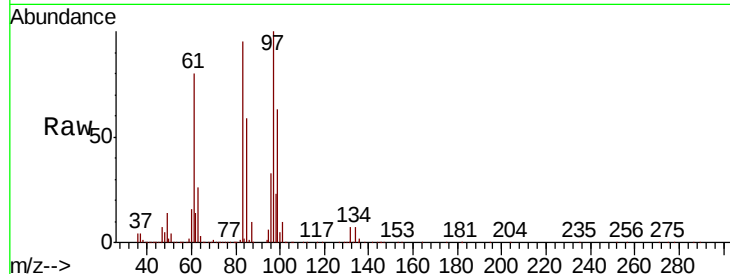




#47
 1,1,2-Trichloroethane
 Concen: 9.126 ppbv
 RT: 9.68 min Scan# 2673
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

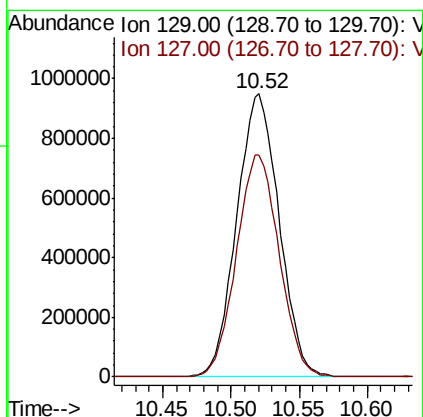
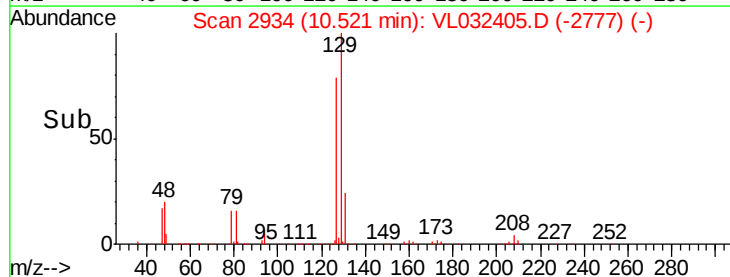
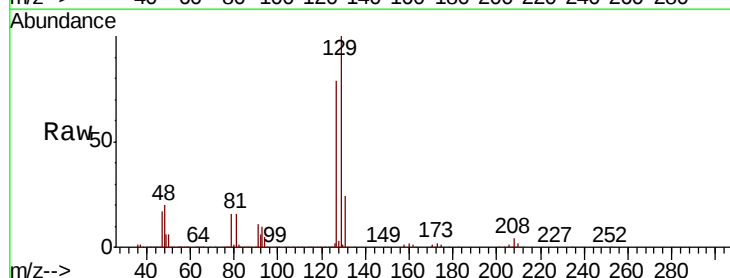
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

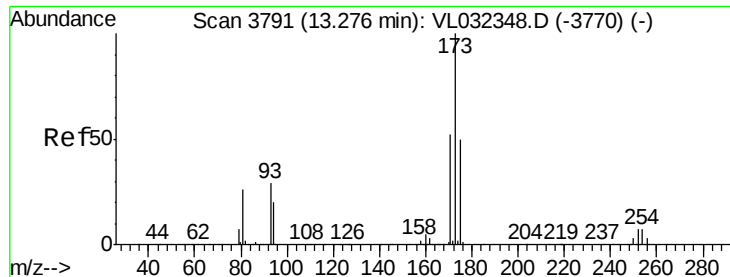
Tgt Ion: 97 Resp: 1311565
 Ion Ratio Lower Upper
 97 100
 83 95.3 71.2 106.8
 85 59.0 46.6 69.8
 99 63.0 49.2 73.8



#48
 Dibromochloromethane
 Concen: 10.681 ppbv
 RT: 10.52 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 129 Resp: 2052170
 Ion Ratio Lower Upper
 129 100
 127 79.2 39.3 117.9





#49

Bromoform

Concen: 10.855 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

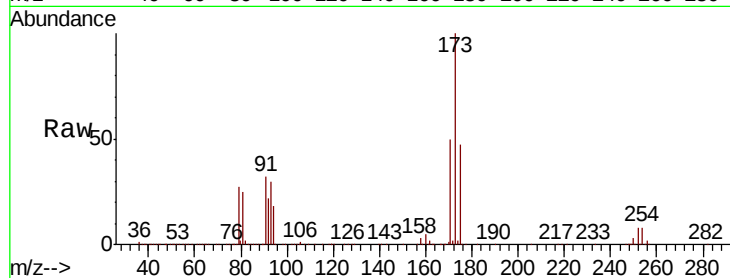
Tgt Ion:173 Resp: 1732304

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

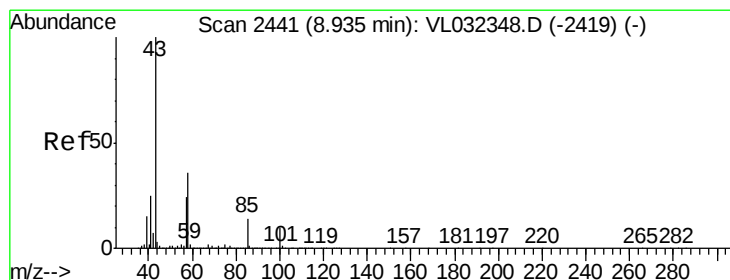
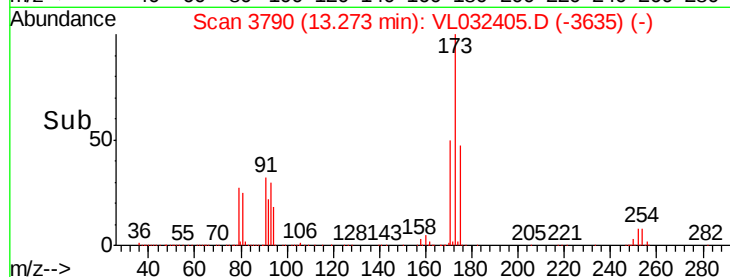
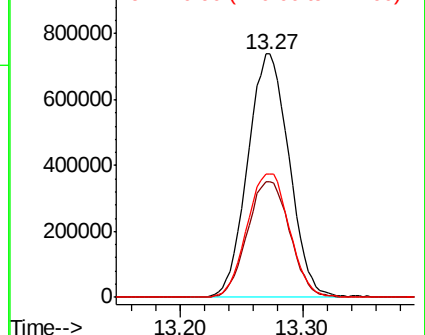
171 52.3 41.9 62.9



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: 11.012 ppbv

RT: 8.93 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL032405.D

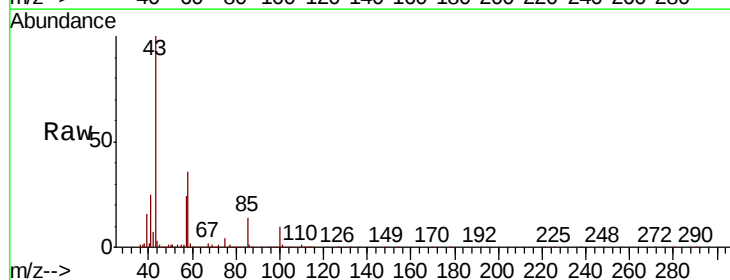
Acq: 17 Aug 2018 12:40

Tgt Ion: 43 Resp: 3990834

Ion Ratio Lower Upper

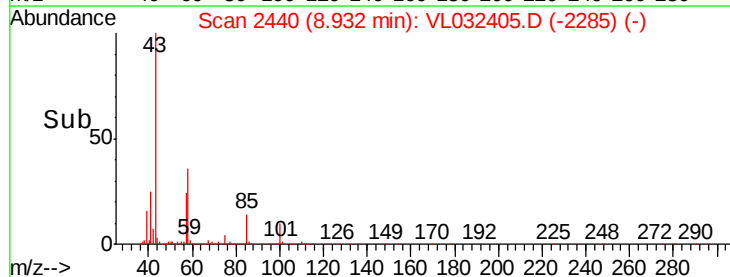
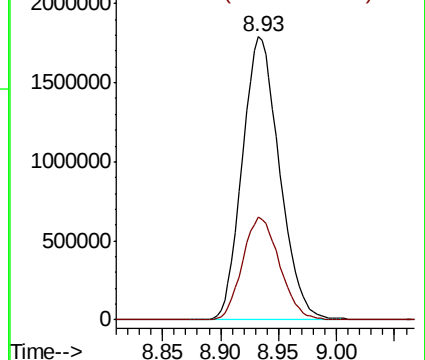
43 100

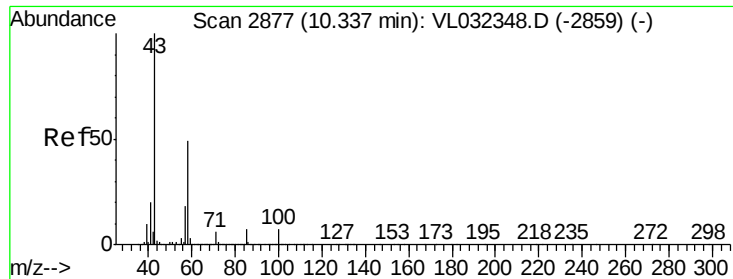
58 36.2 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

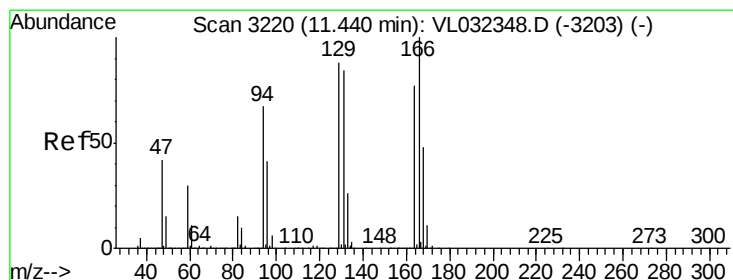
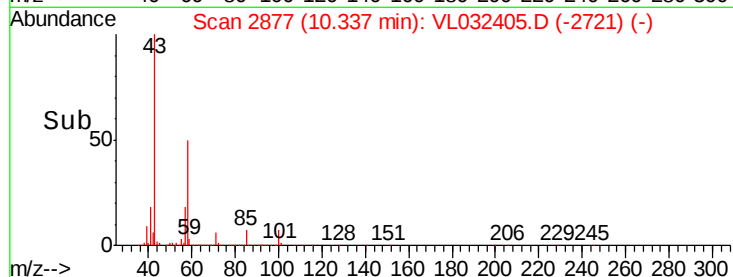
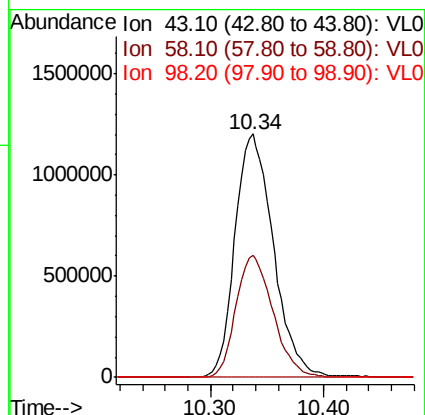
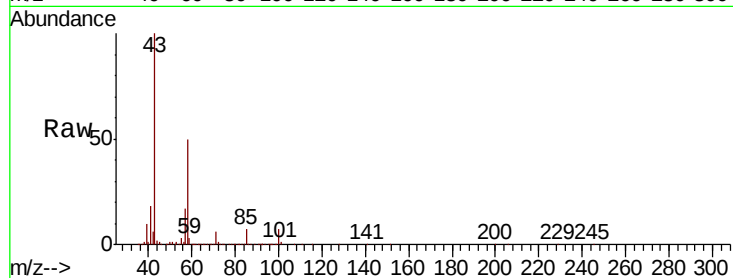




#51
2-Hexanone
Concen: 11.127 ppbv
RT: 10.34 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

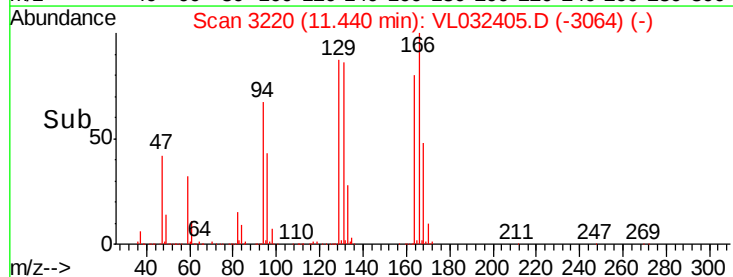
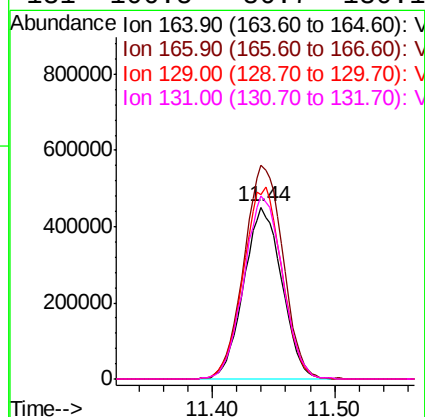
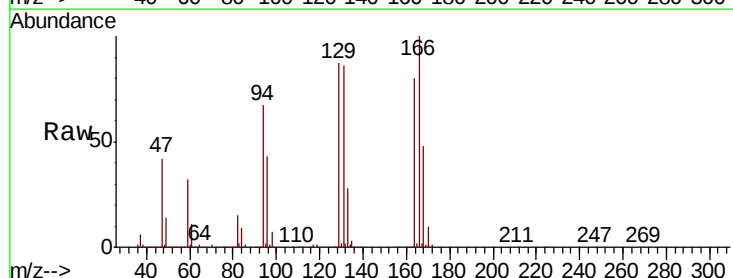
Instrument :
MSVOA_L
ClientSampleId :
BFB

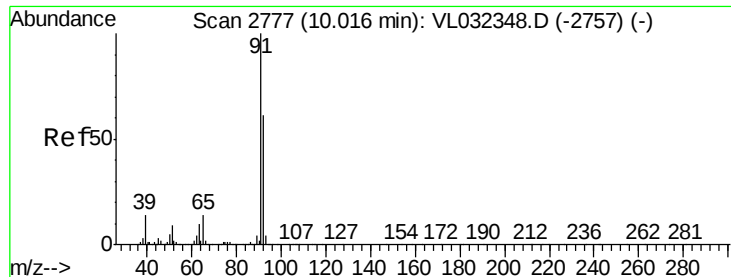
Tgt Ion: 43 Resp: 2831760
Ion Ratio Lower Upper
43 100
58 48.7 39.5 59.3
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 10.489 ppbv
RT: 11.44 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 164 Resp: 966972
Ion Ratio Lower Upper
164 100
166 124.4 103.5 155.3
129 107.6 90.9 136.3
131 106.5 86.7 130.1





#53

Toluene

Concen: 10.789 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

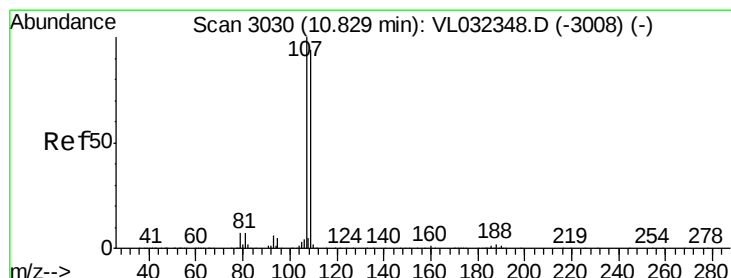
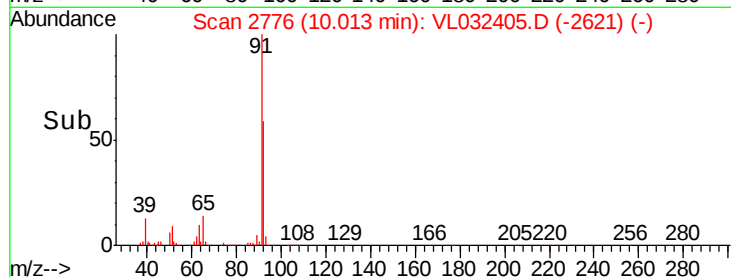
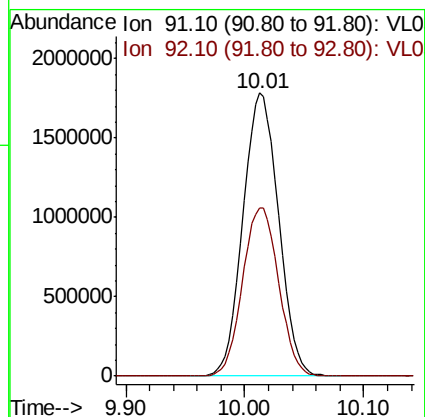
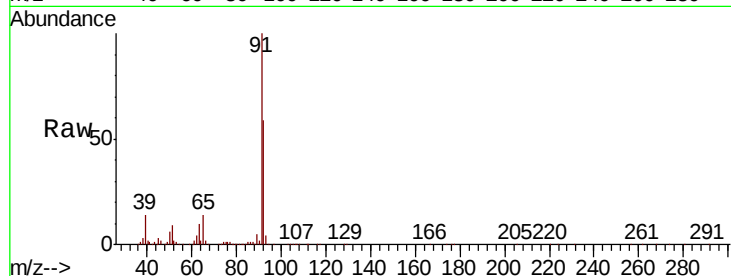
BFB

Tgt Ion: 91 Resp: 3696880

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.654 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032405.D

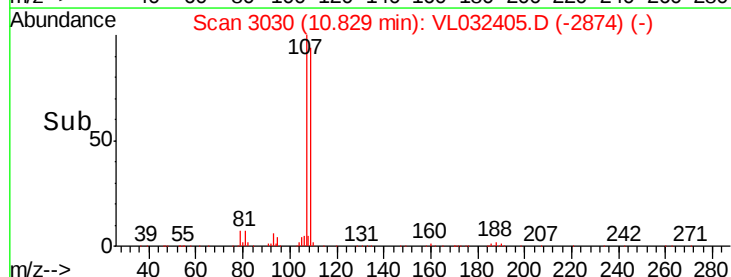
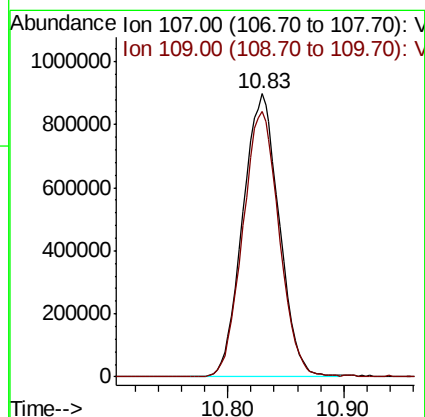
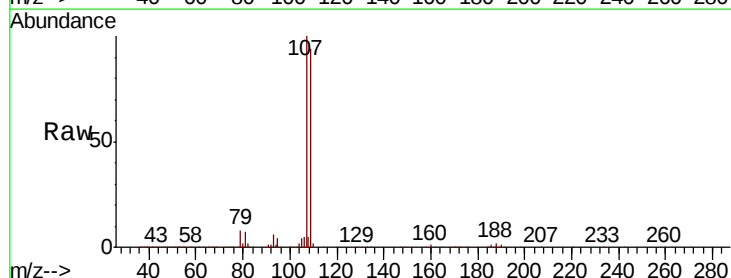
Acq: 17 Aug 2018 12:40

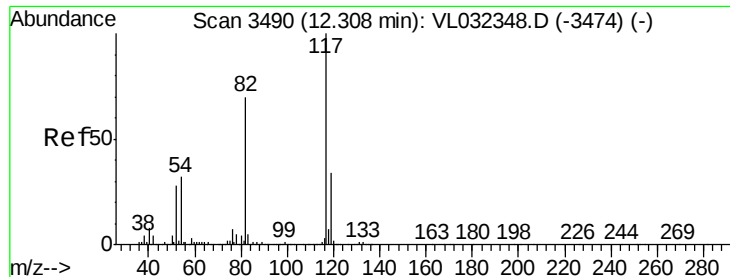
Tgt Ion: 107 Resp: 1966512

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3

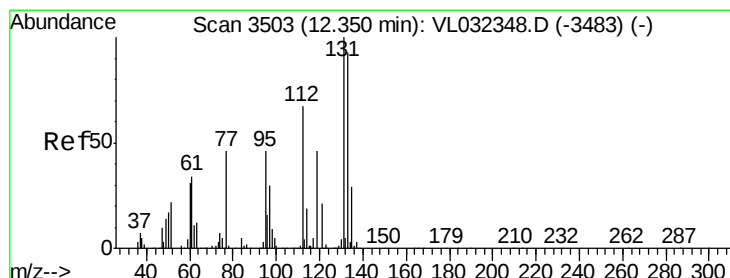
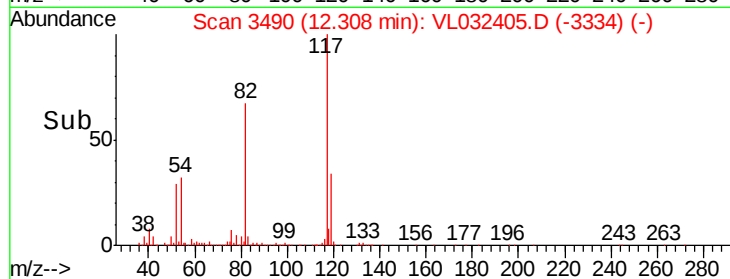
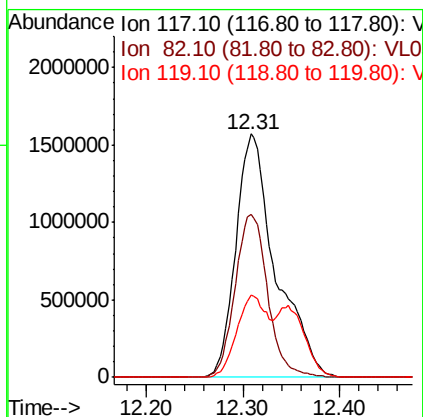
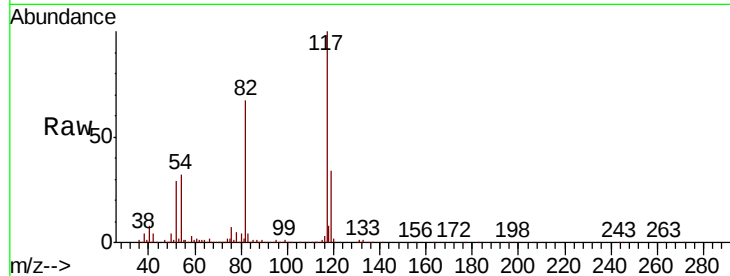




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

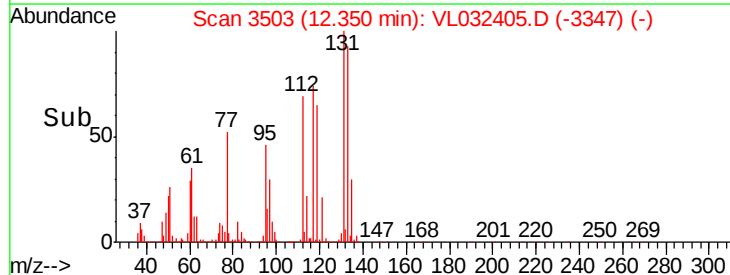
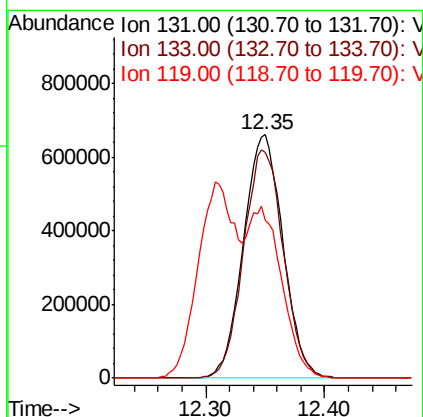
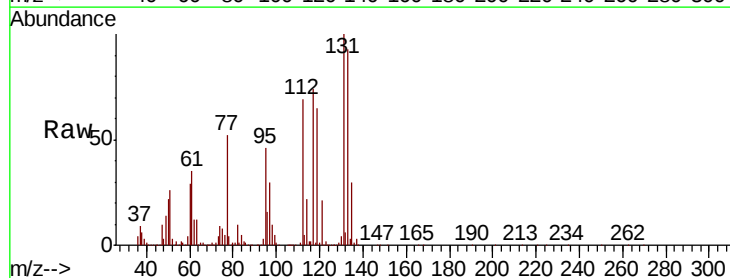
Instrument :
MSVOA_L
ClientSampleId :
BFB

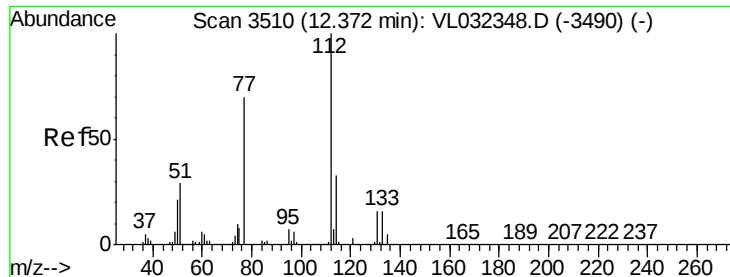
Tgt Ion:117 Resp: 4501837
Ion Ratio Lower Upper
117 100
82 55.0 55.1 82.7#
119 47.3 46.0 69.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.152 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion:131 Resp: 1518232
Ion Ratio Lower Upper
131 100
133 94.9 75.7 113.5
119 61.4 116.0 174.0#





#57

Chlorobenzene

Concen: 8.052 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

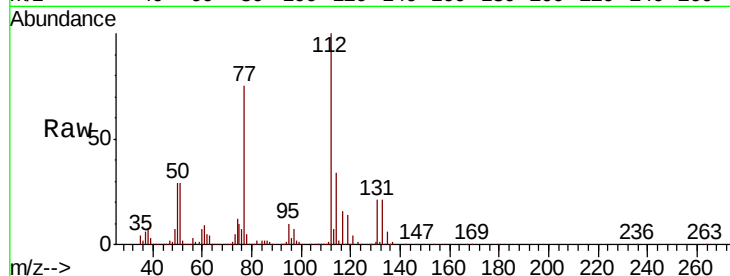
Tgt Ion: 112 Resp: 2728574

Ion Ratio Lower Upper

112 100

77 74.4 56.6 84.8

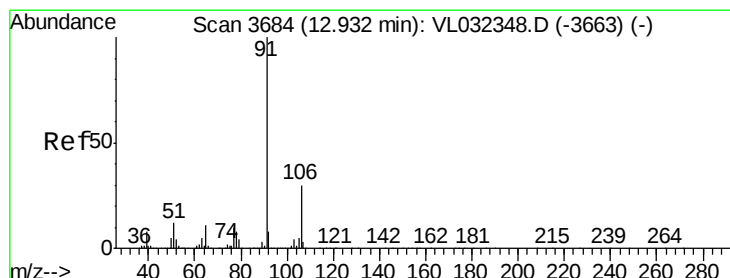
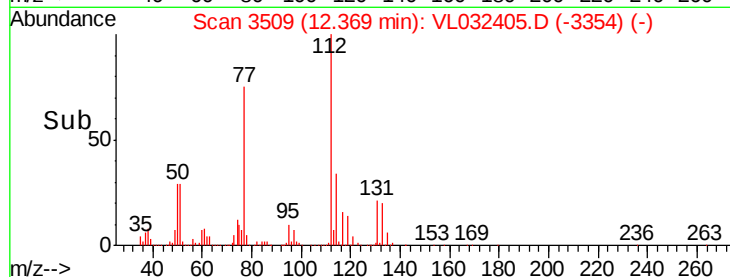
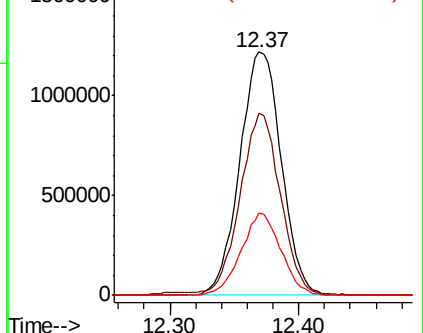
114 33.5 29.4 36.0



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: 9.105 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VL032405.D

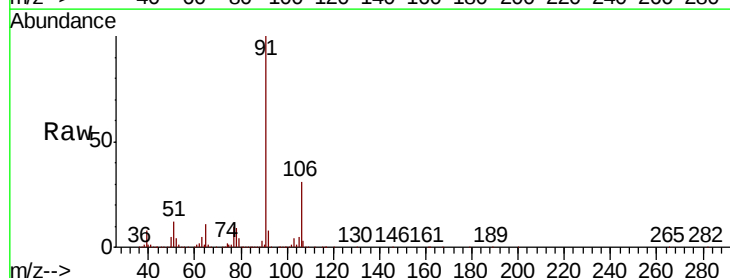
Acq: 17 Aug 2018 12:40

Tgt Ion: 91 Resp: 4931536

Ion Ratio Lower Upper

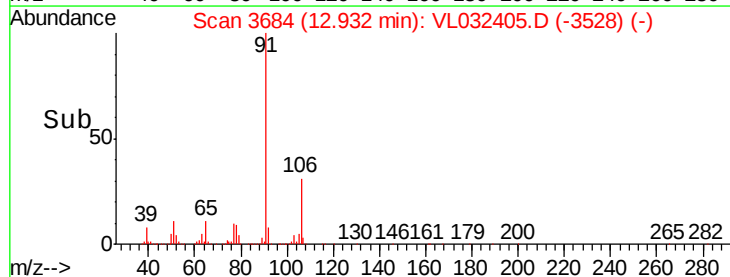
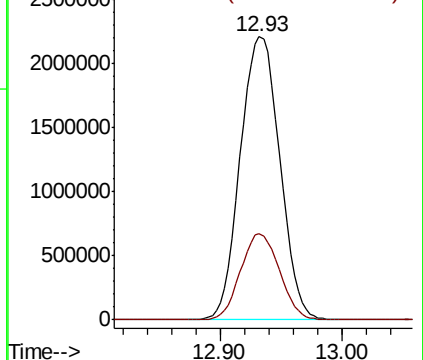
91 100

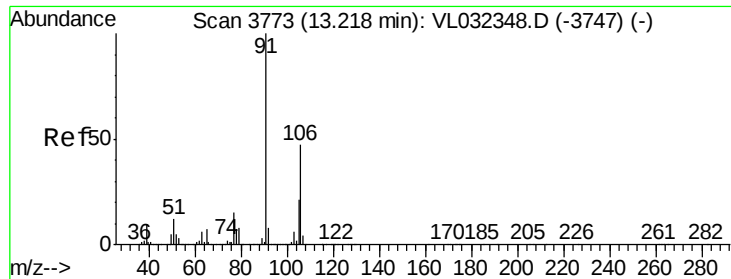
106 30.5 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

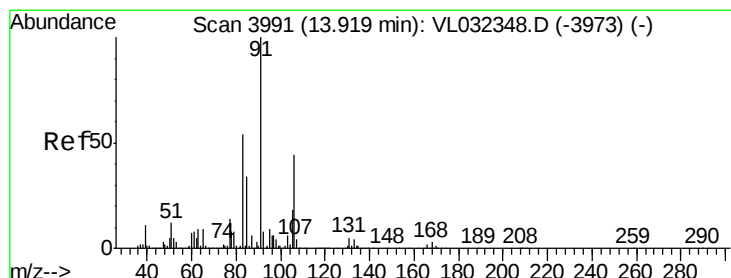
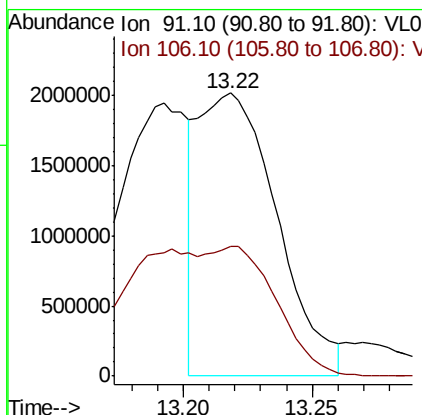
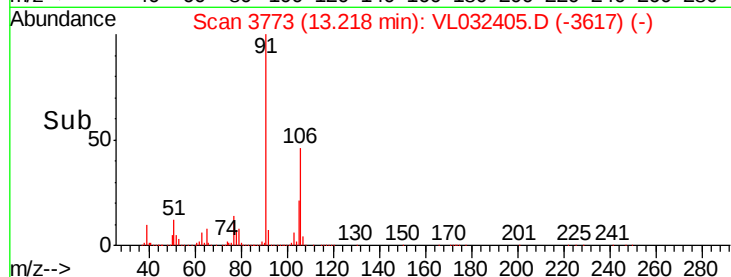
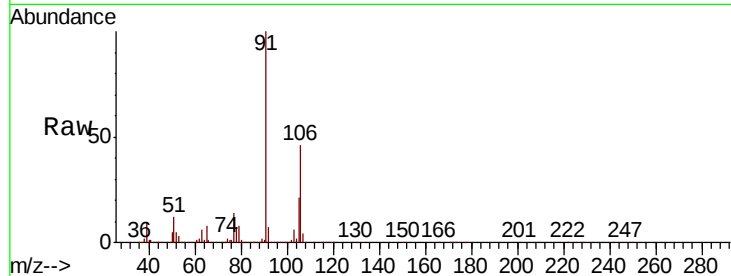




#59
m/p-Xylene
Concen: 9.219 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

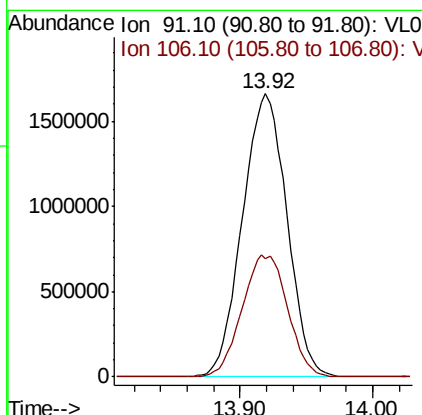
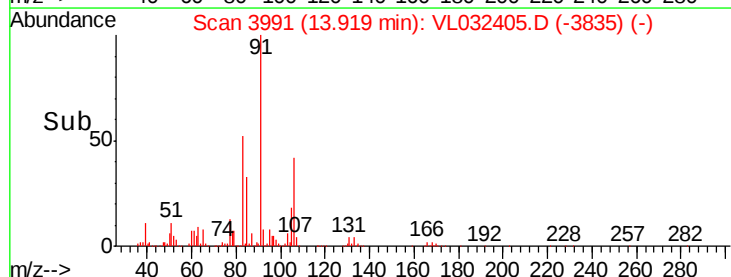
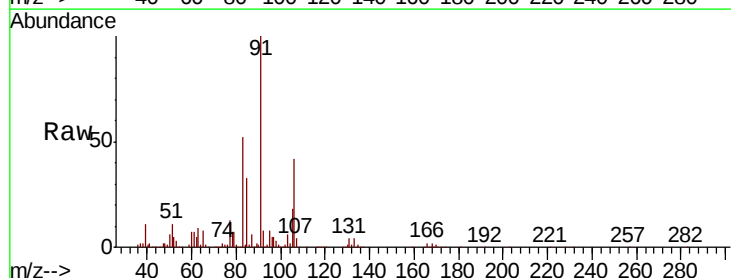
Instrument :
MSVOA_L
ClientSampled :
BFB

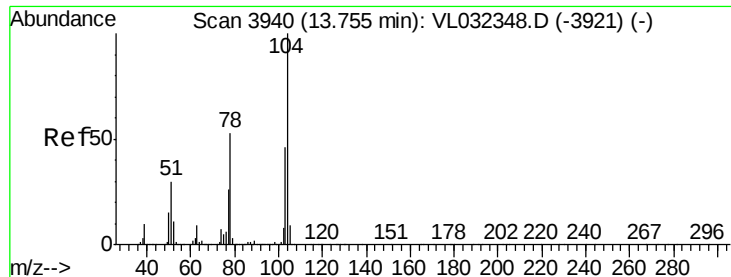
Tgt Ion: 91 Resp: 4241505
Ion Ratio Lower Upper
91 100
106 86.1 37.0 55.4#



#60
o-Xylene
Concen: 8.533 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 91 Resp: 3858645
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.8





#61

Styrene

Concen: 9.553 ppbv

RT: 13.75 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

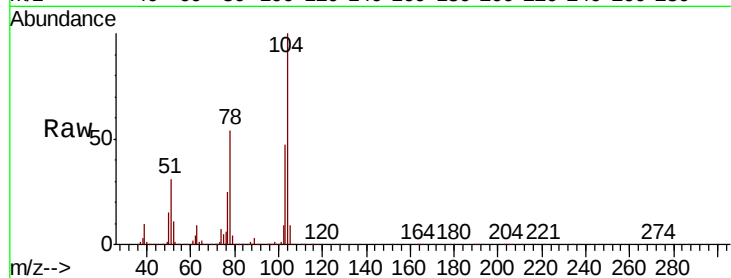
Tgt Ion:104 Resp: 3019176

Ion Ratio Lower Upper

104 100

78 53.0 42.6 64.0

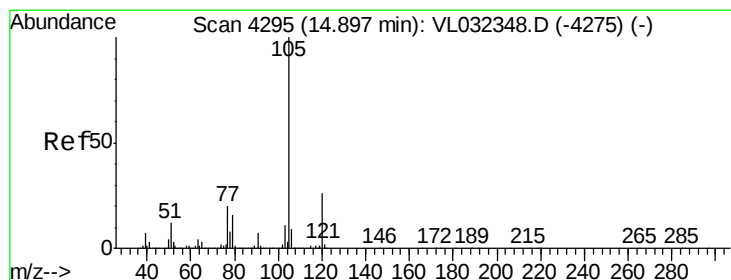
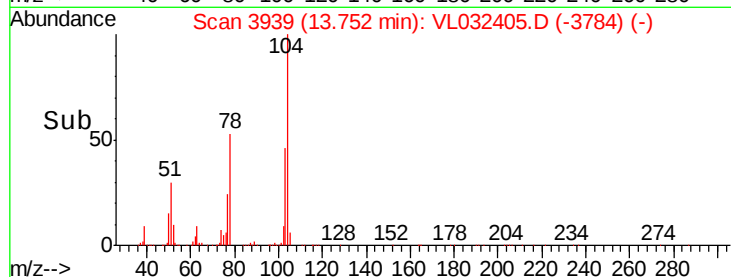
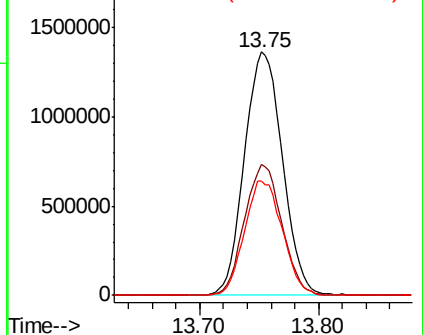
103 47.1 38.0 57.0



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: 8.496 ppbv

RT: 14.89 min Scan# 4294

Delta R.T. -0.00 min

Lab File: VL032405.D

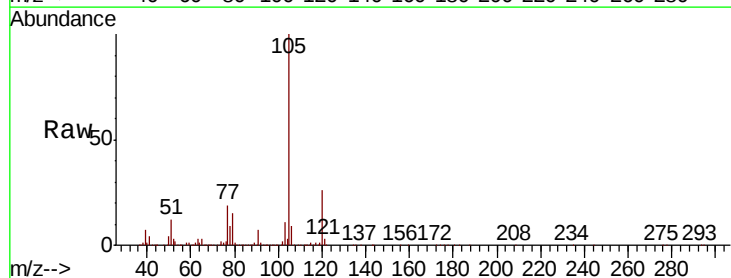
Acq: 17 Aug 2018 12:40

Tgt Ion:105 Resp: 5468903

Ion Ratio Lower Upper

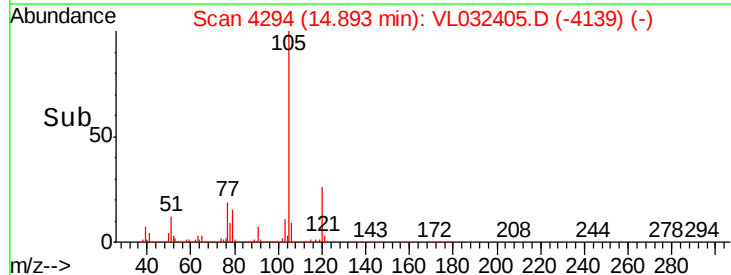
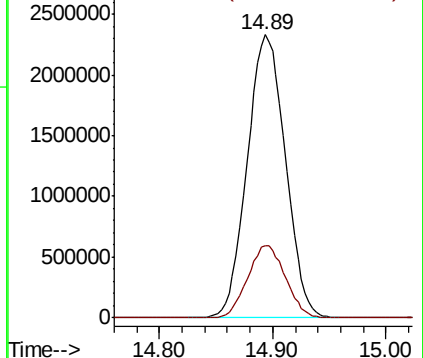
105 100

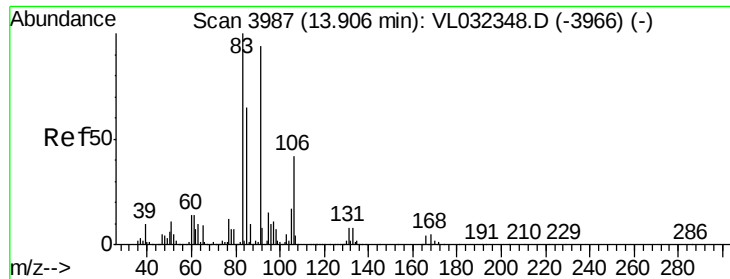
120 25.4 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

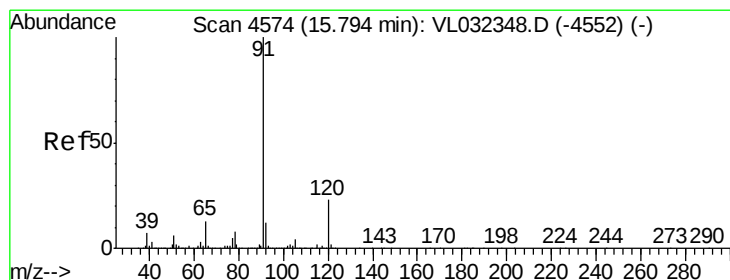
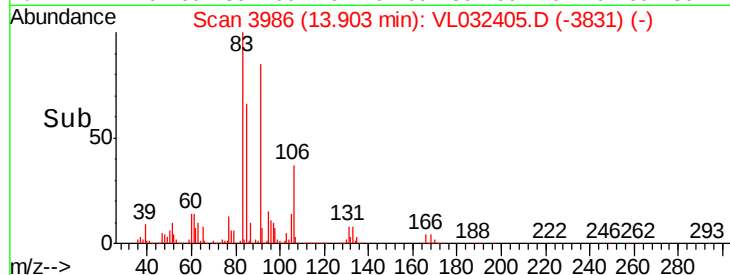
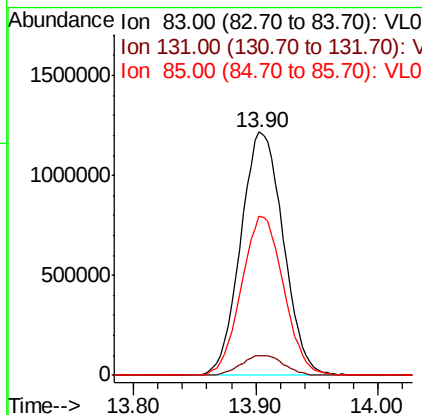
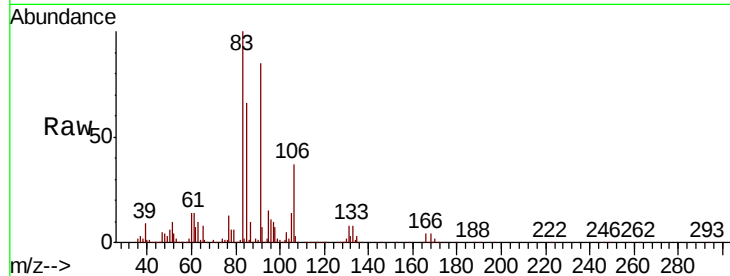




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.701 ppbv
 RT: 13.90 min Scan# 3986
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

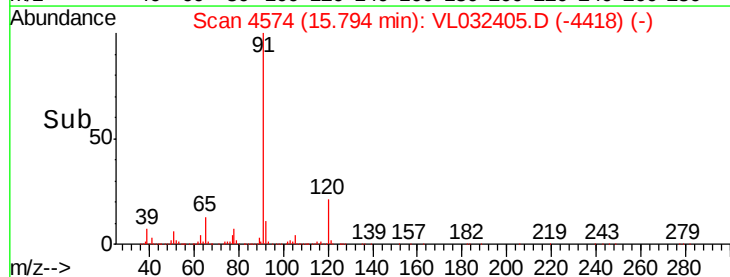
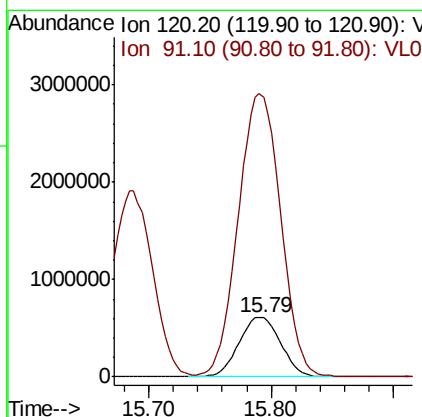
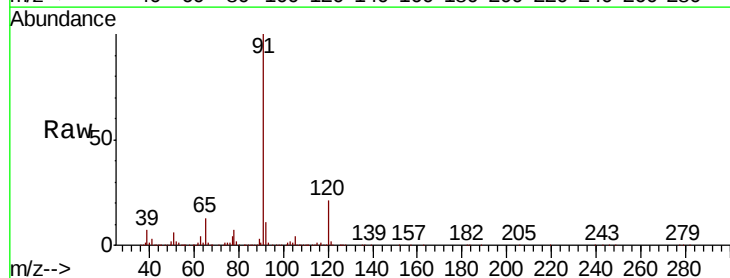
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

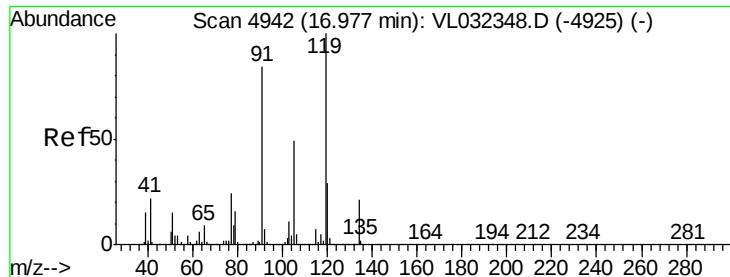
Tgt Ion: 83 Resp: 2928401
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 65.2 32.4 97.2



#64
 n-propylbenzene
 Concen: 8.675 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 120 Resp: 1445431
 Ion Ratio Lower Upper
 120 100
 91 486.1 382.2 573.2

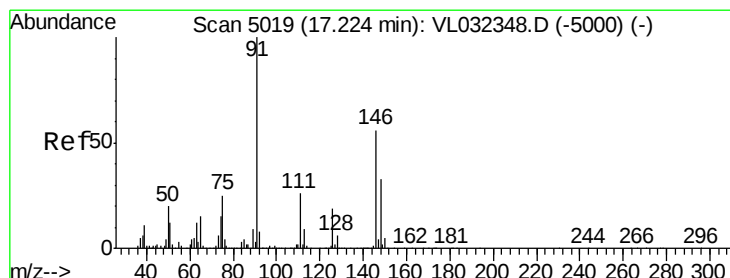
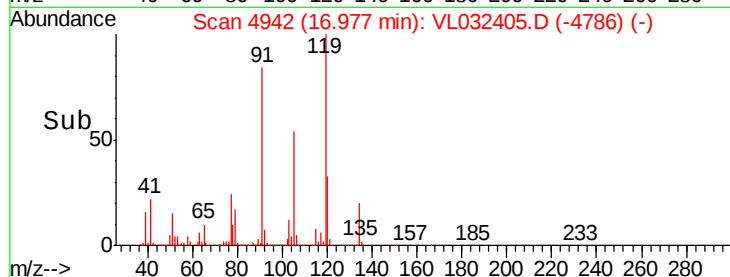
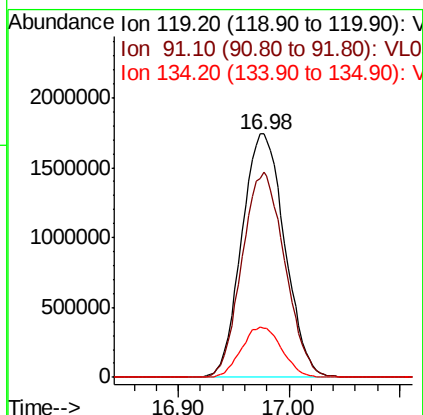
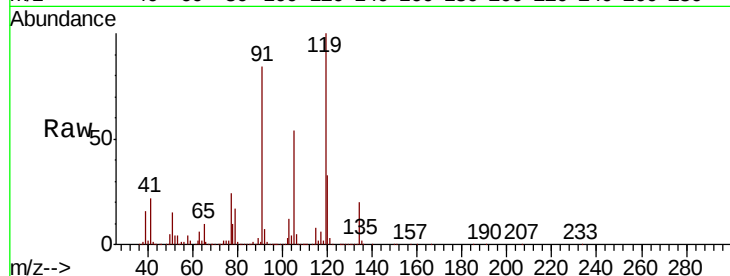




#65
 tert-Butylbenzene
 Concen: 8.545 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

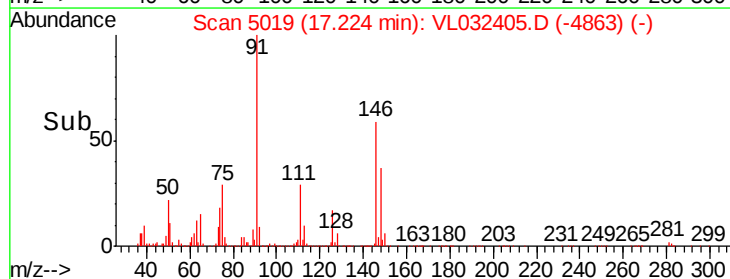
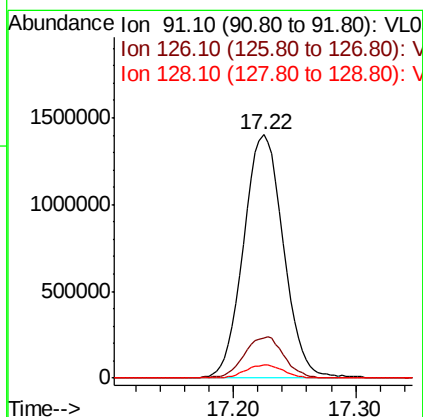
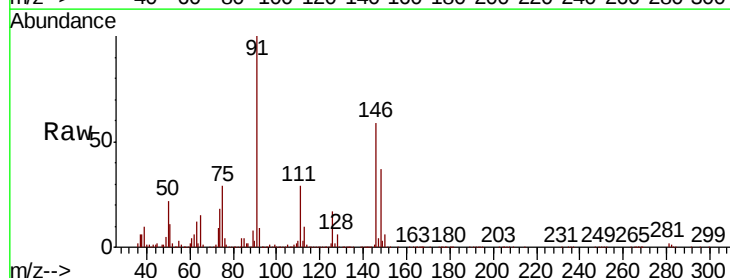
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

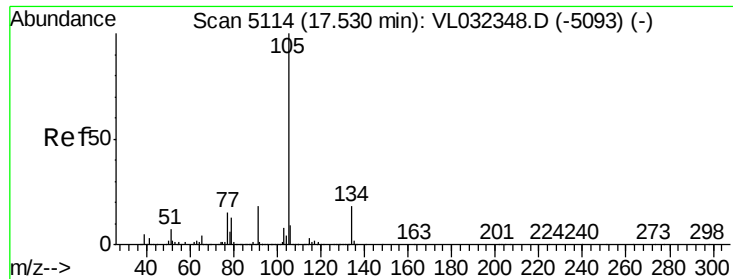
Tgt Ion: 119 Resp: 4699138
 Ion Ratio Lower Upper
 119 100
 91 84.1 67.4 101.0
 134 19.5 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.697 ppbv
 RT: 17.22 min Scan# 5019
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 91 Resp: 3157329
 Ion Ratio Lower Upper
 91 100
 126 17.1 14.2 21.4
 128 5.3 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.726 ppbv

RT: 17.53 min Scan# 5113

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

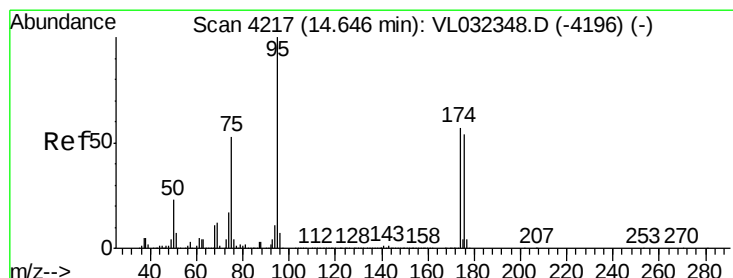
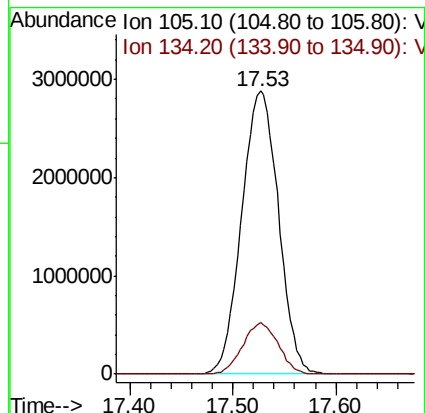
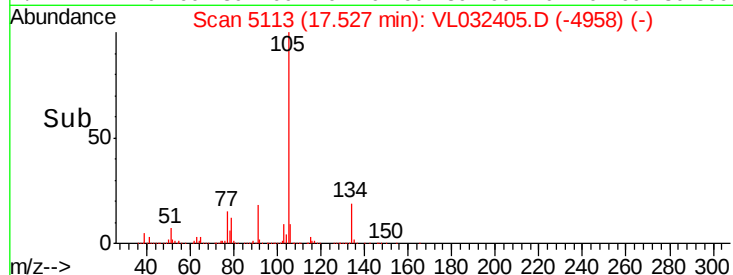
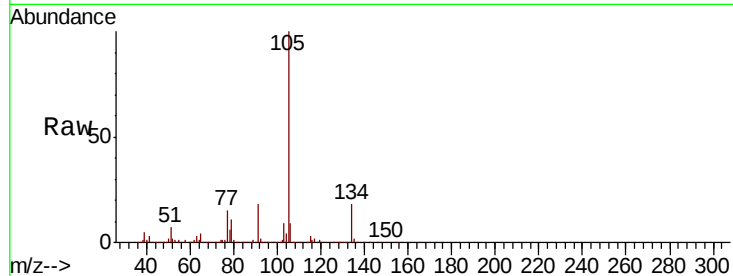
BFB

Tgt Ion: 105 Resp: 7135366

Ion Ratio Lower Upper

105 100

134 17.6 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 7.967 ppbv

RT: 14.65 min Scan# 4217

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

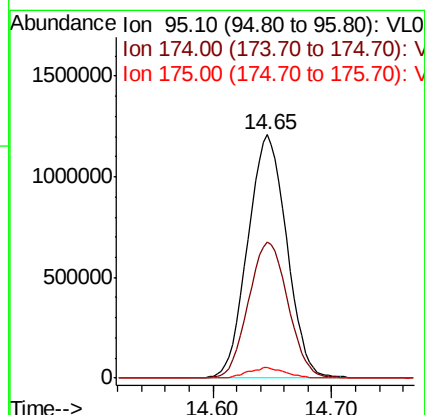
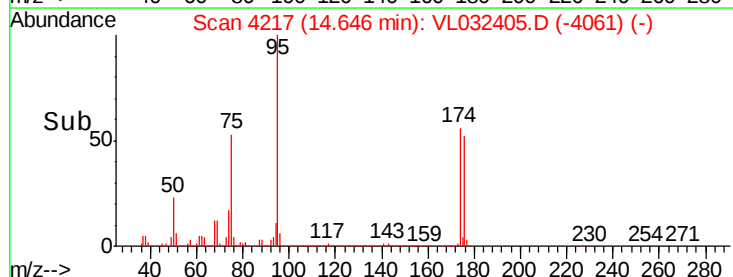
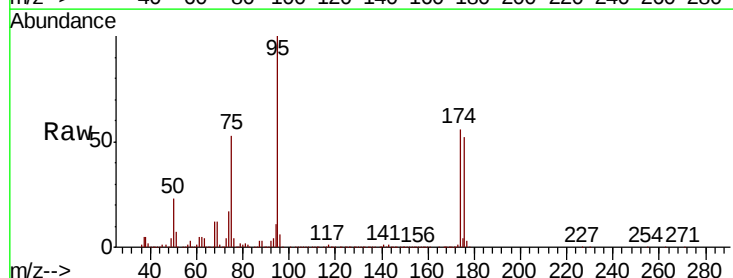
Tgt Ion: 95 Resp: 2736165

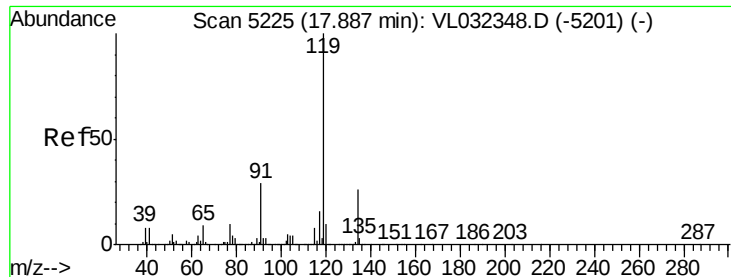
Ion Ratio Lower Upper

95 100

174 57.2 46.2 69.4

175 4.2 3.4 5.0

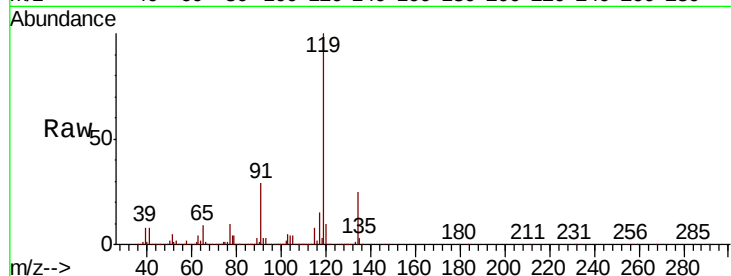




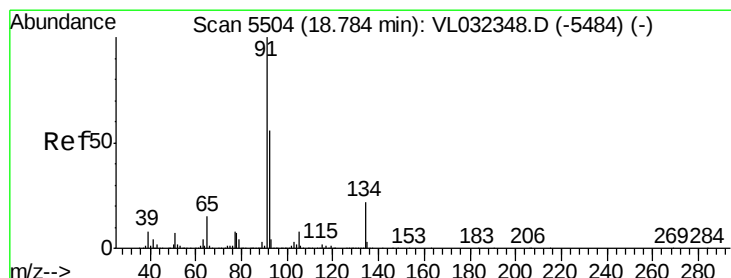
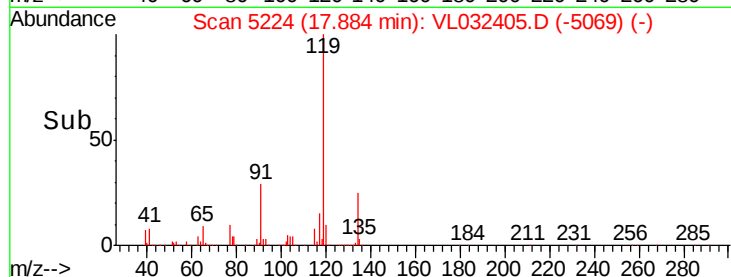
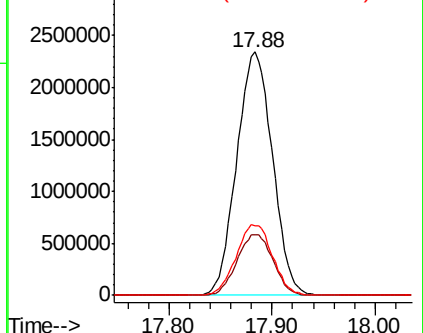
#69
p-Isopropyltoluene
Concen: 9.026 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 119 Resp: 5648645
Ion Ratio Lower Upper
119 100
134 25.3 20.4 30.6
91 29.5 23.6 35.4

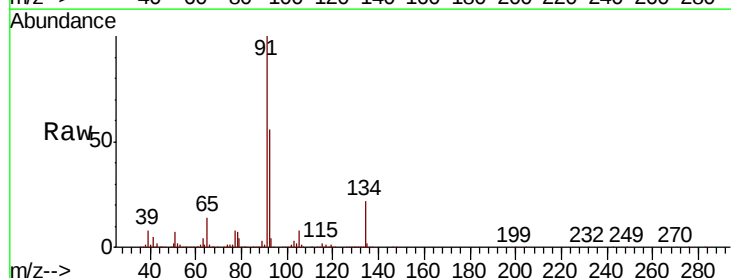


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

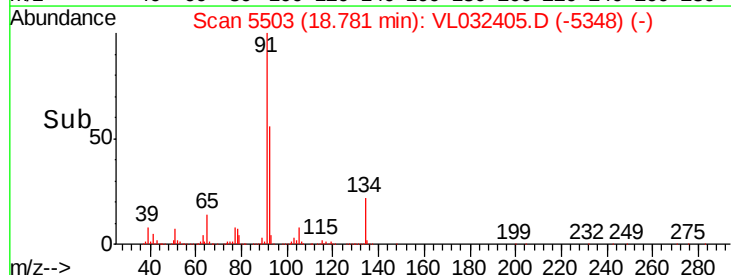
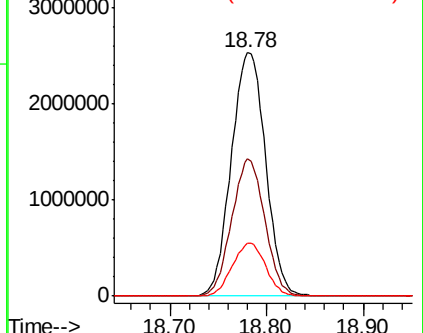


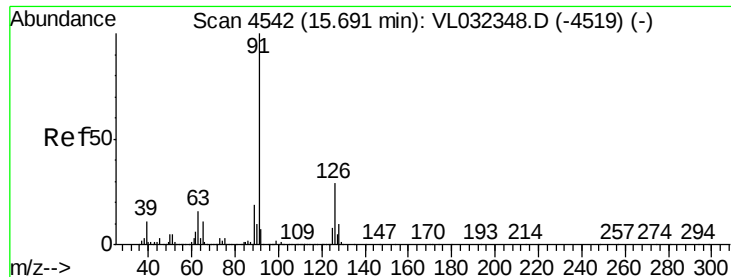
#70
n-Butylbenzene
Concen: 9.048 ppbv
RT: 18.78 min Scan# 5503
Delta R.T. -0.00 min
Lab File: VL032405.D
Acq: 17 Aug 2018 12:40

Tgt Ion: 91 Resp: 6207867
Ion Ratio Lower Upper
91 100
92 54.5 43.9 65.9
134 21.3 17.3 25.9



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

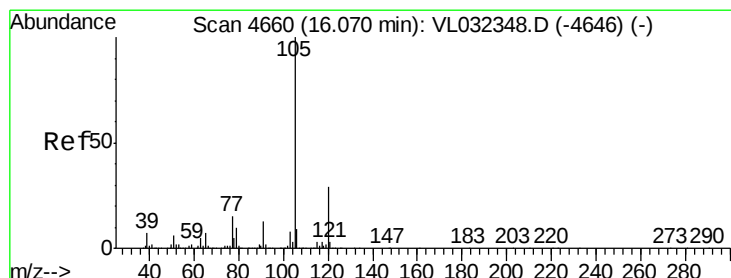
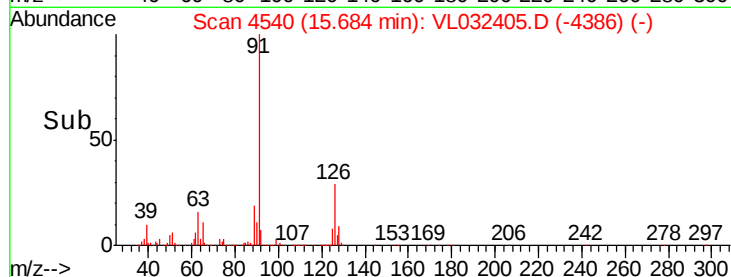
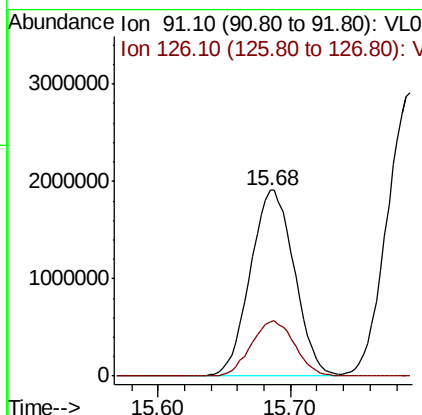
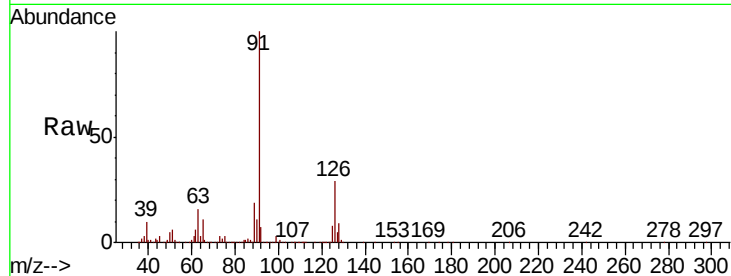




#71
 2-Chlorotoluene
 Concen: 8.862 ppbv
 RT: 15.68 min Scan# 4540
 Delta R.T. -0.01 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

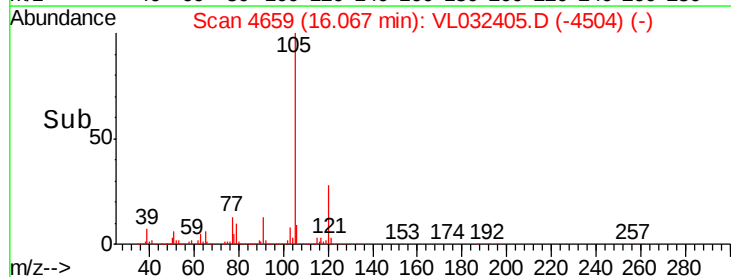
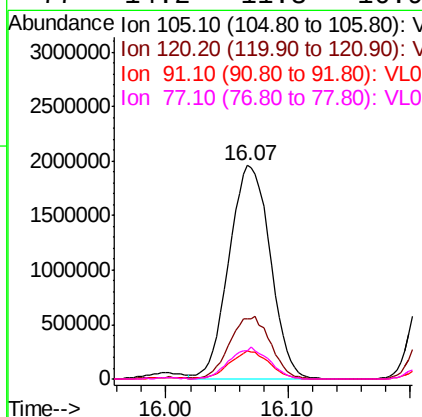
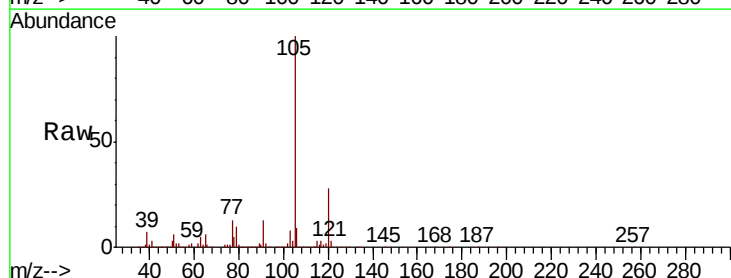
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

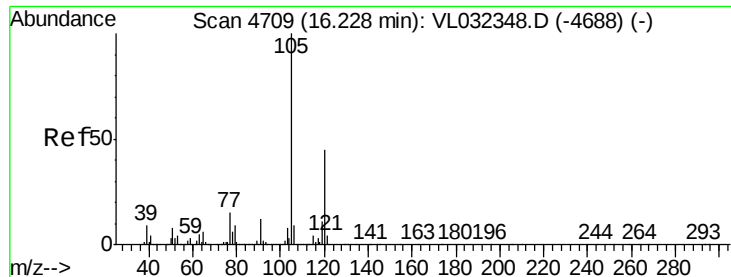
Tgt Ion: 91 Resp: 4415176
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 9.119 ppbv
 RT: 16.07 min Scan# 4659
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion: 105 Resp: 4599490
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.4 35.0
 91 12.6 10.0 15.0
 77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.033 ppbv

RT: 16.23 min Scan# 4709

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

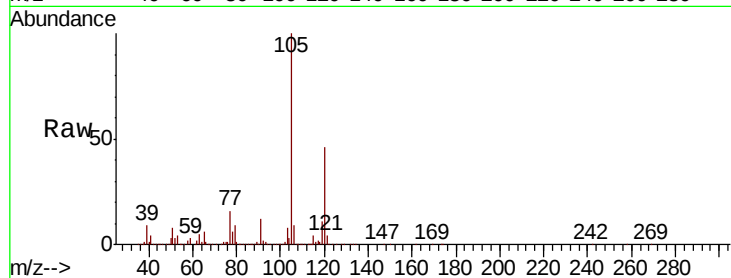
BFB

Tgt Ion:105 Resp: 4382359

Ion Ratio Lower Upper

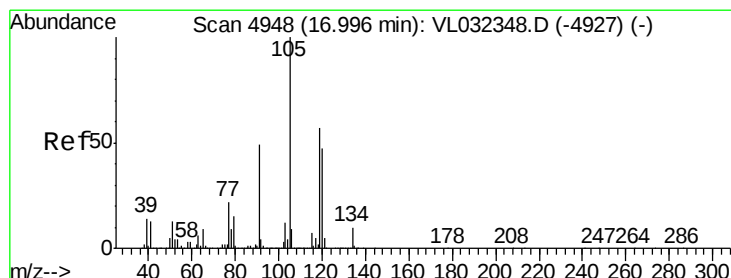
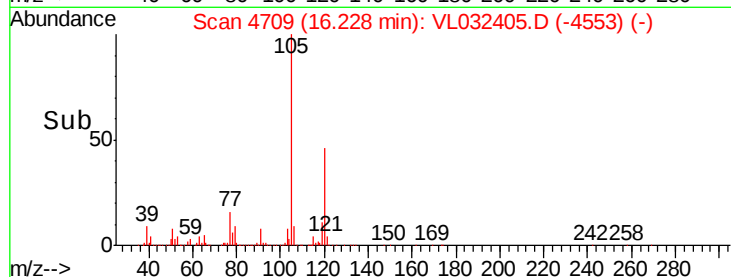
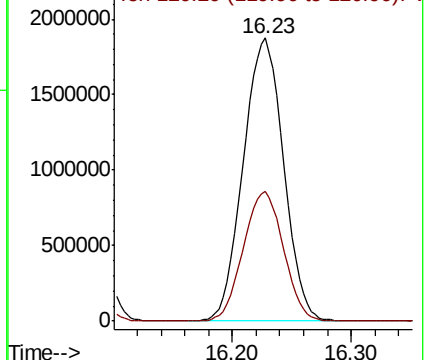
105 100

120 45.6 36.3 54.5



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: 8.589 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Tgt Ion:105 Resp: 4433756

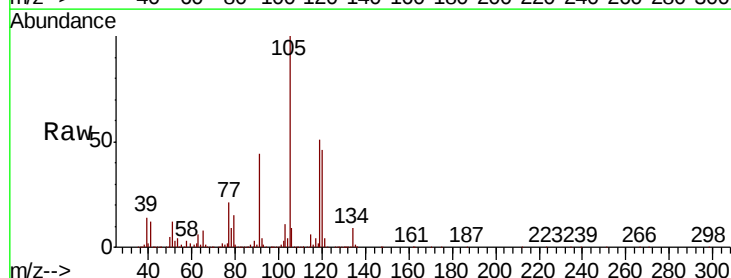
Ion Ratio Lower Upper

105 100

120 46.5 37.6 56.4

91 44.1 39.9 59.9

77 21.3 17.8 26.8

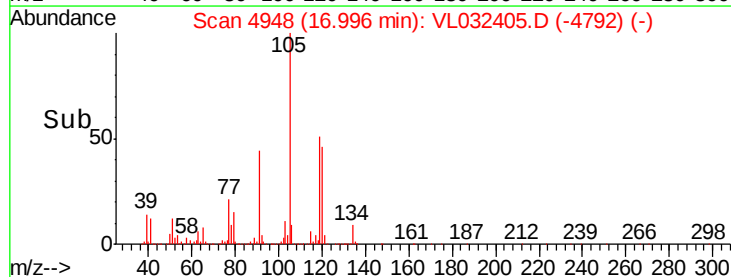
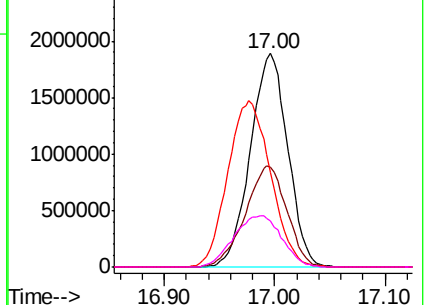


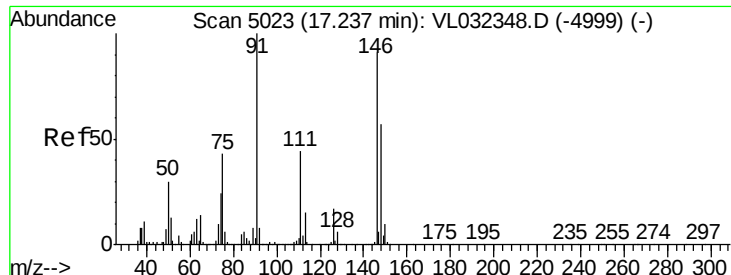
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.043 ppbv

RT: 17.23 min Scan# 5022

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

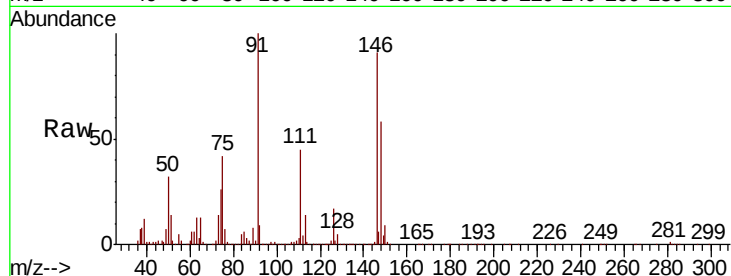
Tgt Ion:146 Resp: 2495029

Ion Ratio Lower Upper

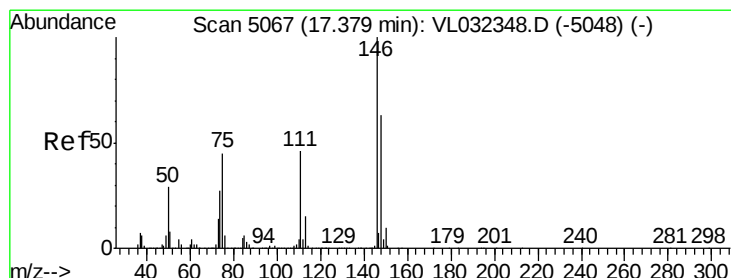
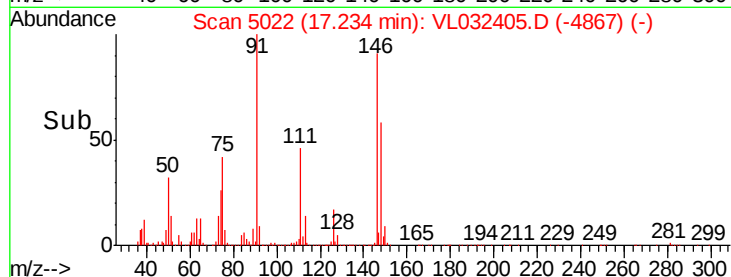
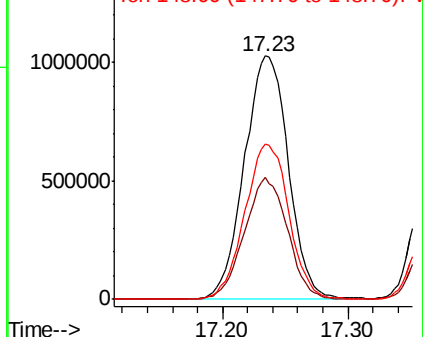
146 100

111 49.5 24.6 73.8

148 64.4 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.617 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

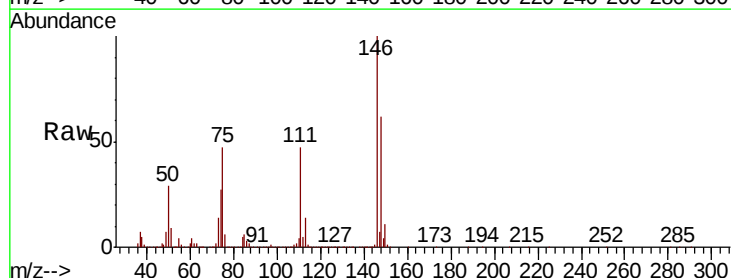
Tgt Ion:146 Resp: 2532092

Ion Ratio Lower Upper

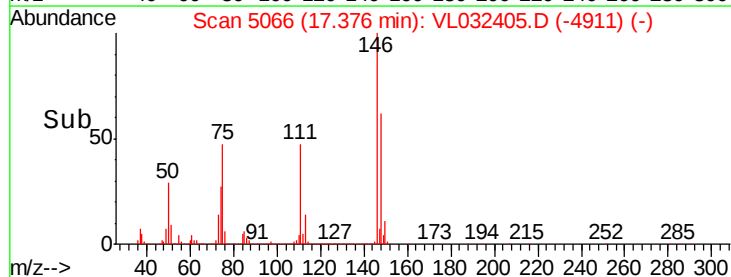
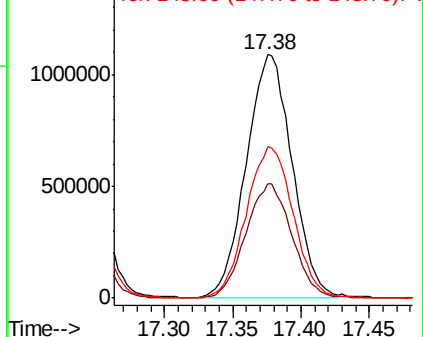
146 100

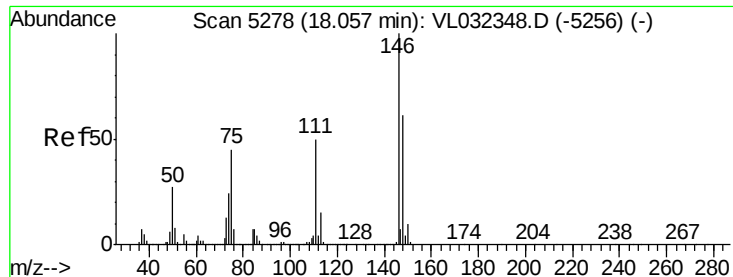
111 47.5 23.8 71.4

148 64.2 32.2 96.6



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

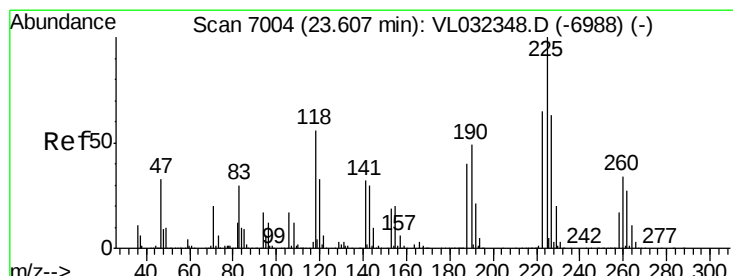
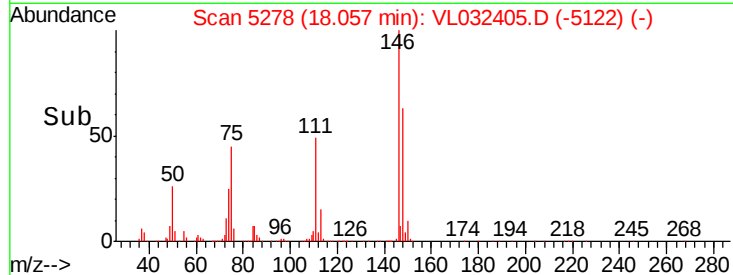
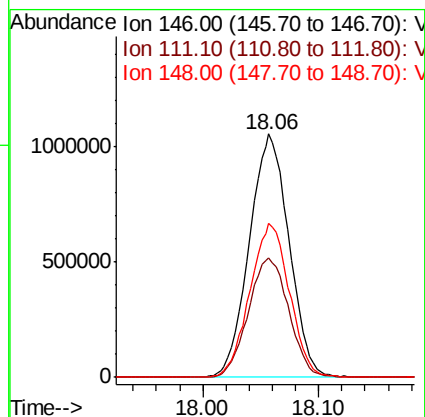
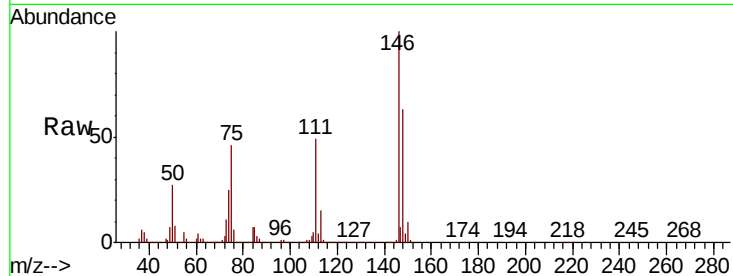




#77
 1,2-Dichlorobenzene
 Concen: 8.453 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. 0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

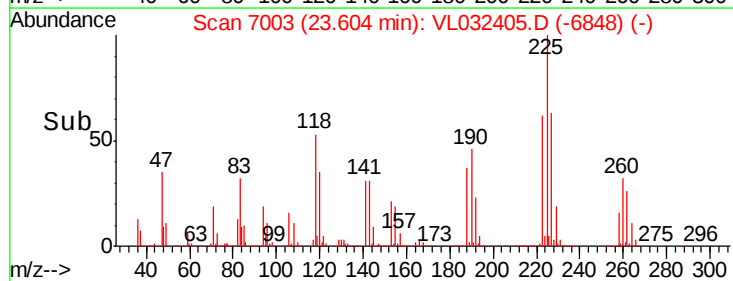
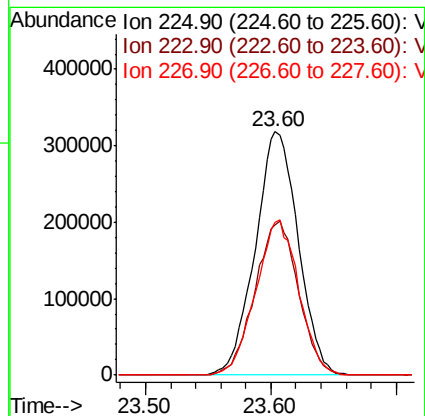
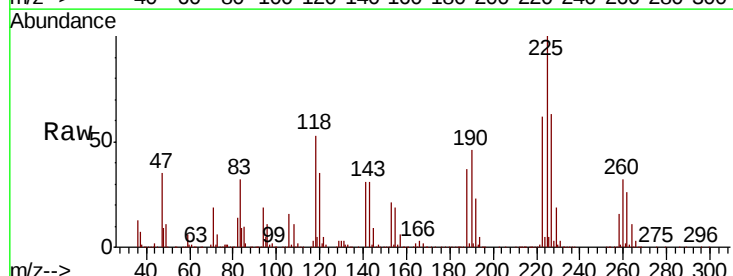
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

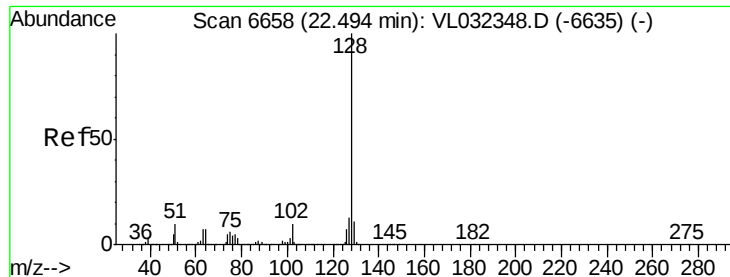
Tgt Ion:146 Resp: 2505702
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.2 75.6
 148 63.3 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.635 ppbv
 RT: 23.60 min Scan# 7003
 Delta R.T. -0.00 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Tgt Ion:225 Resp: 759658
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.6 76.0
 227 63.7 51.0 76.6





#79

Naphthalene

Concen: 8.601 ppbv

RT: 22.49 min Scan# 6657

Delta R.T. -0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

Instrument :

MSVOA_L

ClientSampleId :

BFB

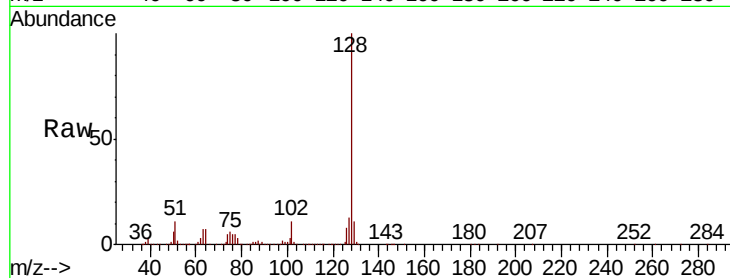
Tgt Ion:128 Resp: 4129905

Ion Ratio Lower Upper

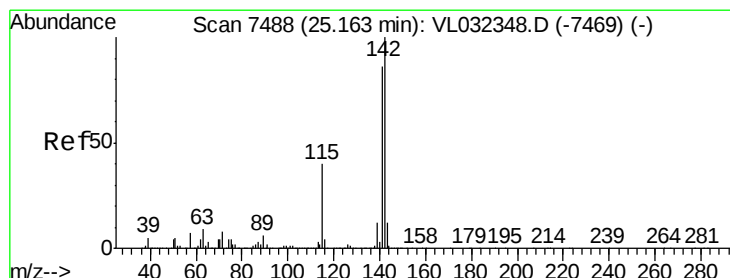
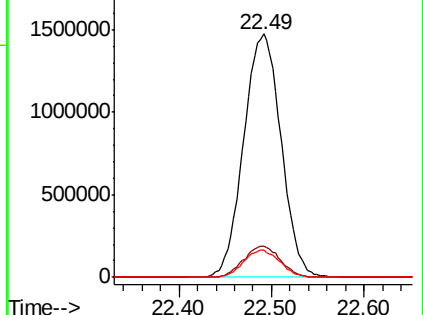
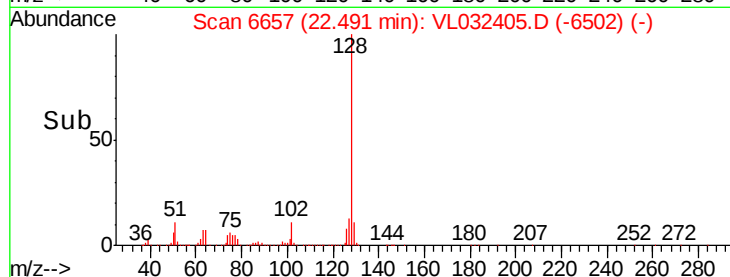
128 100

127 13.0 10.3 15.5

129 11.3 8.6 13.0



Abundance Ion 128.10 (127.80 to 128.80): V
2000000 Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 16.105 ppbv

RT: 25.16 min Scan# 7488

Delta R.T. 0.00 min

Lab File: VL032405.D

Acq: 17 Aug 2018 12:40

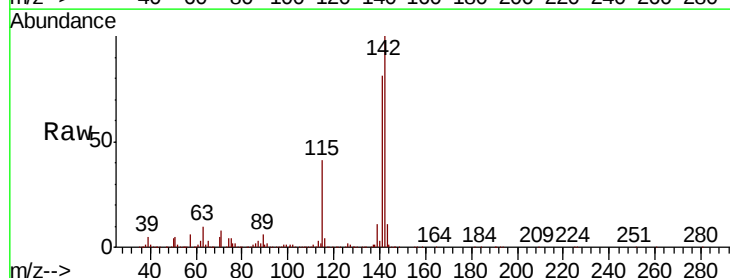
Tgt Ion:142 Resp: 1658657

Ion Ratio Lower Upper

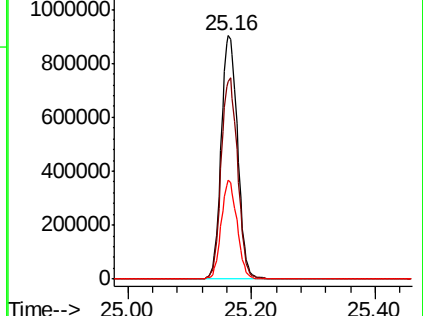
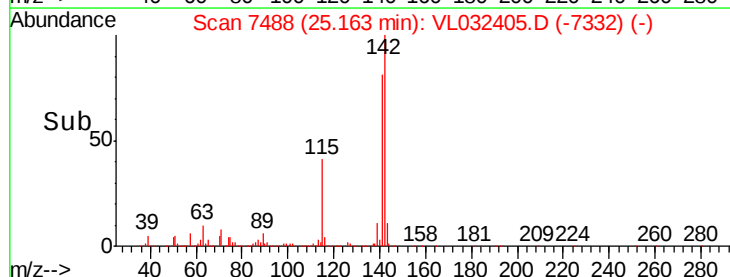
142 100

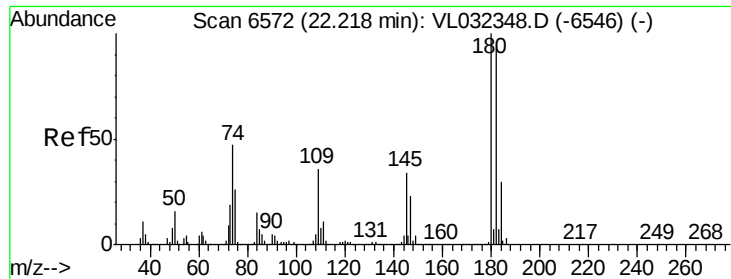
141 83.4 66.7 100.1

115 39.7 31.0 46.6



Abundance Ion 142.00 (141.70 to 142.70): V
1200000 Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.685 ppbv
 RT: 22.21 min Scan# 6570
 Delta R.T. -0.01 min
 Lab File: VL032405.D
 Acq: 17 Aug 2018 12:40

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1933361
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.1 114.1
 184 30.4 24.2 36.2

