

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035682.D
 Acq On : 21 Sep 2020 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Sep 22 01:26:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1001287	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	4013475	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4180232	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2928975	9.87	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1510161	8.703	ppbv	99
3) Chlorodifluoromethane	2.95	51	1090616	9.848	ppbv	100
4) Chloromethane	3.11	50	581399	9.799	ppbv	100
5) Vinyl Chloride	3.22	62	691232	9.450	ppbv	100
6) Bromomethane	3.44	94	611888	9.959	ppbv	96
7) Chloroethane	3.52	64	261623	10.117	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	2006665	9.549	ppbv	92
9) Propene	2.98	41	409431	9.590	ppbv	98
10) Heptane	8.09	43	1207105	10.527	ppbv	100
11) Trichlorofluoromethane	3.92	101	2433509	9.617	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1846541	9.668	ppbv	92
13) Ethanol	3.57	45	98535	9.309	ppbv	96
14) Bromoethene	3.71	108	816592	9.933	ppbv	99
15) Acetone	3.82	43	959920	8.692	ppbv	98
16) 1,3-Butadiene	3.29	39	430015	10.460	ppbv	99
17) tert-Butyl alcohol	4.26	59	1390449	10.344	ppbv	100
18) 1,1-Dichloroethene	4.25	96	861667	10.245	ppbv	98
19) Isopropyl Alcohol	3.93	45	669645	10.165	ppbv	# 97
20) Methylene Chloride	4.31	84	698729	8.495	ppbv	96
21) Allyl Chloride	4.38	41	582887	11.266	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	894003	9.985	ppbv	93
23) Vinyl Acetate	5.04	43	1428183	10.076	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1460954	10.016	ppbv	99
25) Ethyl Acetate	5.64	43	1981501	10.157	ppbv	99
26) Hexane	5.65	57	1110744	10.048	ppbv	98
27) Carbon Disulfide	4.51	76	1874021	11.814	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1913530	9.932	ppbv	100
29) Chloroform	5.72	83	2279674	10.122	ppbv	98
30) Cyclohexane	7.10	84	1220463	10.306	ppbv	96
31) cis-1,2-Dichloroethene	5.51	61	1167508	10.295	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2221284	10.167	ppbv	99
34) 2-Butanone	5.21	43	1340141	11.251	ppbv	98
35) Carbon Tetrachloride	6.98	117	2320293	11.503	ppbv	98
36) Benzene	6.86	78	2809078	10.813	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1391915	11.238	ppbv	98
38) Trichloroethene	7.80	130	1435256	9.511	ppbv	95
39) 1,2-Dichloropropane	7.58	63	951575	10.843	ppbv	98
40) 1,4-Dioxane	7.80	88	506297	11.548	ppbv	88
41) Tetrahydrofuran	6.02	42	750292	11.879	ppbv	98
42) Bromodichloromethane	7.76	83	2373608	11.850	ppbv	98
43) Methyl Methacrylate	7.98	69	1182899	11.775	ppbv	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3781984	11.064	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1333730	13.106	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1578600	12.494	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1392041	10.749	ppbv	97
48) Dibromochloromethane	10.28	129	2359373	11.576	ppbv	100
49) Bromoform	13.01	173	2111464	11.431	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2009455	11.651	ppbv	99
51) 2-Hexanone	10.10	43	1661983	11.747	ppbv #	98
52) Tetrachloroethene	11.19	164	1332698	8.781	ppbv	96
53) Toluene	9.77	91	3548682	10.862	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2178168	10.645	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1838716	10.810	ppbv	96
57) Chlorobenzene	12.12	112	3006975	9.774	ppbv	97
58) Ethyl Benzene	12.68	91	4660190	10.811	ppbv	98
59) m/p-Xylene	12.97	91	4375463	12.147	ppbv #	49
60) o-Xylene	13.67	91	3924439	10.818	ppbv	97
61) Styrene	13.50	104	3042762	10.967	ppbv	98
62) Isopropylbenzene	14.64	105	5926194	10.169	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2874637	10.221	ppbv	99
64) n-propylbenzene	15.54	120	1796382	10.101	ppbv	85
65) tert-Butylbenzene	16.72	119	5460798	10.080	ppbv	95
66) Benzyl Chloride	16.97	91	1905141	14.151	ppbv	96
67) sec-Butylbenzene	17.28	105	7357576	10.194	ppbv	95
69) p-Isopropyltoluene	17.63	119	6196446	9.788	ppbv	97
70) n-Butylbenzene	18.53	91	6156930	10.097	ppbv	96
71) 2-Chlorotoluene	15.43	91	4523141	10.658	ppbv	95
72) 4-Ethyltoluene	15.82	105	4833360	10.480	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4493770	10.534	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	4693900	10.020	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3101445	8.938	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3116326	9.106	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3046604	9.062	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1732779	8.073	ppbv	99
79) Naphthalene	22.18	128	4734411	9.108	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1335643	7.528	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2505056	8.048	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.03 min

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Instrument :

MSVOA_L

ClientSampled :

BFB

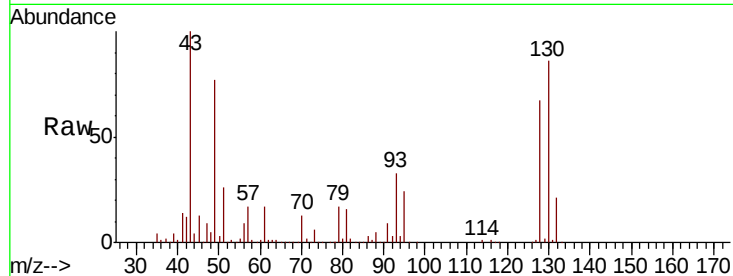
Tot Ion: 49 Resp: 1001287

Ion Ratio Lower Upper

49 100

128 87.7 50.0 150.1

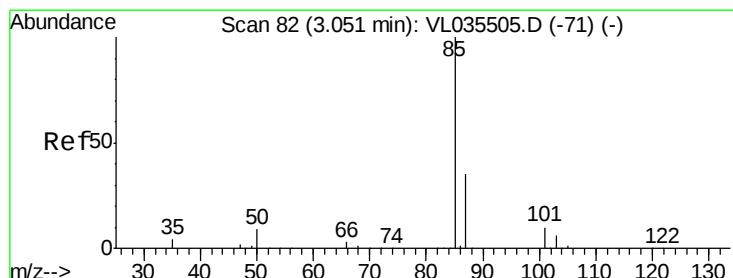
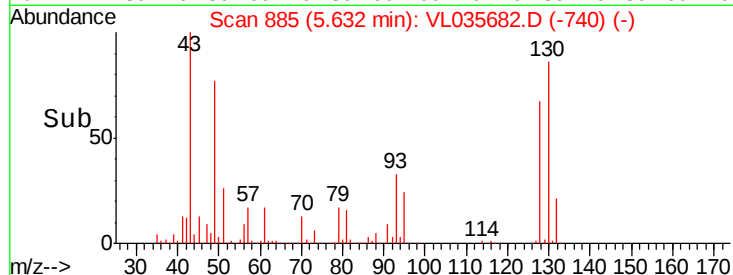
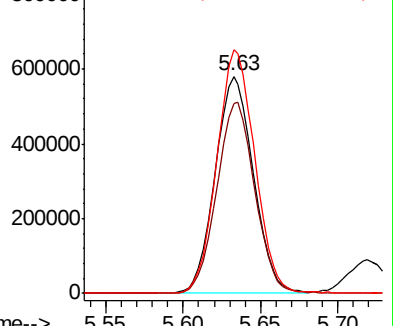
130 111.9 64.4 193.2



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: 8.703 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.02 min

Lab File: VL035682.D

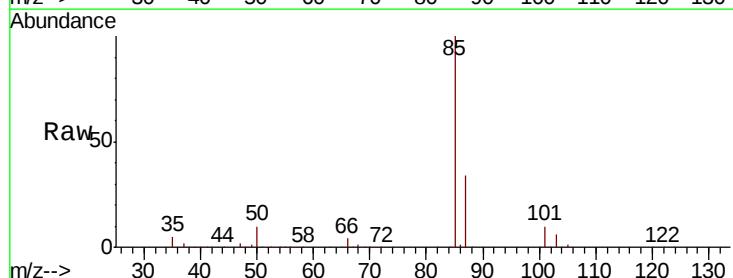
Acq: 21 Sep 2020 10:36

Tgt Ion: 85 Resp: 1510161

Ion Ratio Lower Upper

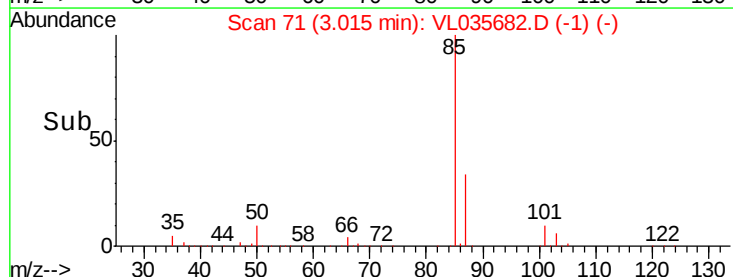
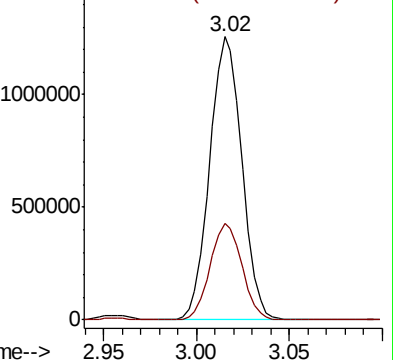
85 100

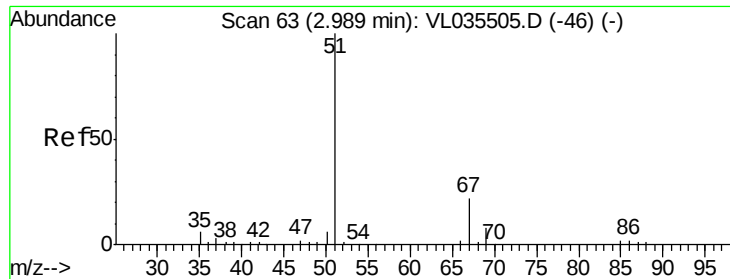
87 34.2 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

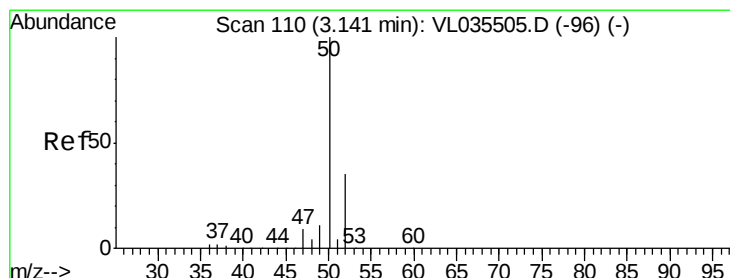
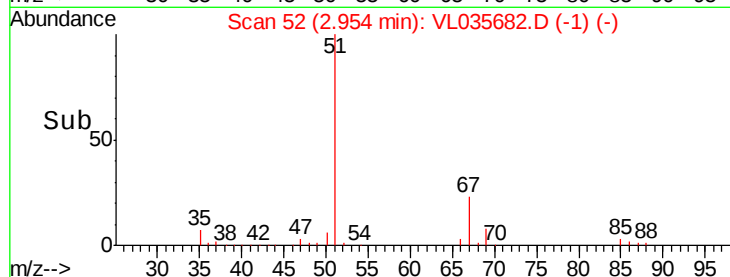
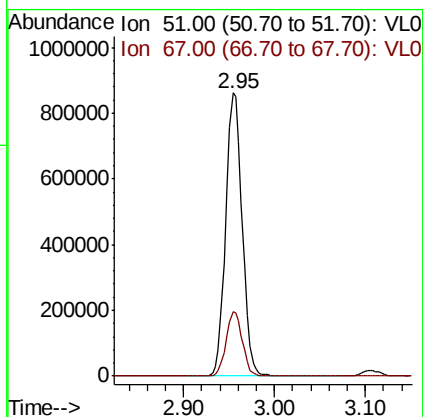
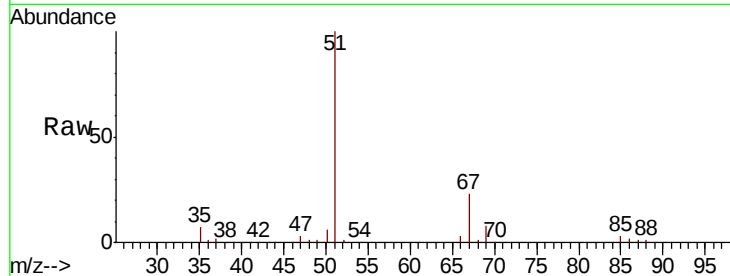




#3
Chlorodifluoromethane
Concen: 9.848 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.02 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

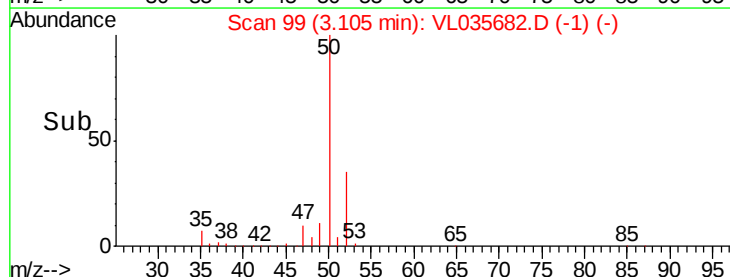
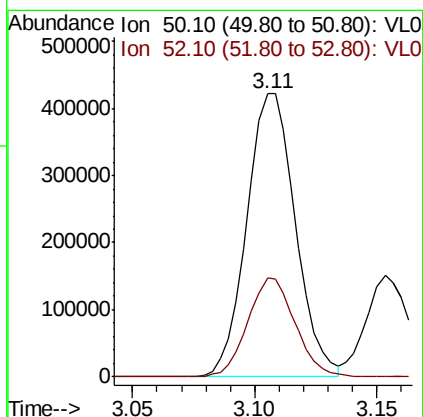
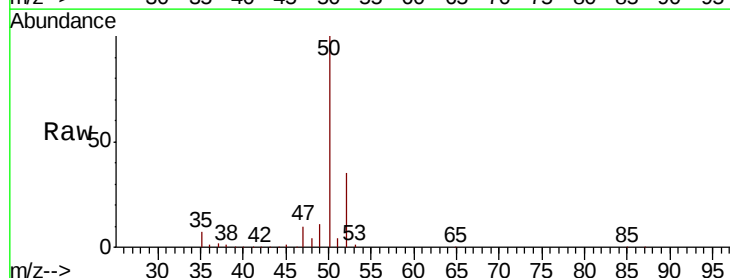
Instrument :
MSVOA_L
ClientSampleId :
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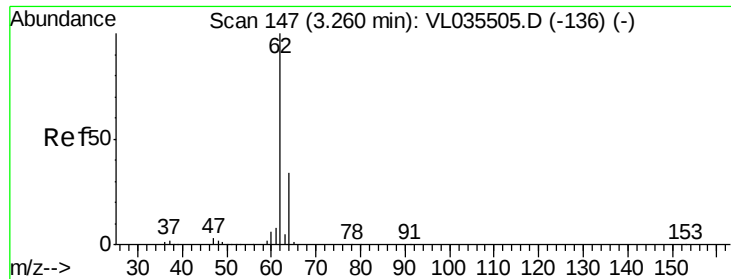
Tot Ion: 51 Resp: 1090616
Ion Ratio Lower Upper
51 100
67 22.5 17.8 26.8



#4
Chloromethane
Concen: 9.799 ppbv
RT: 3.11 min Scan# 99
Delta R.T. -0.02 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 50 Resp: 581399
Ion Ratio Lower Upper
50 100
52 34.9 27.7 41.5





#5

Vinyl Chloride

Concen: 9.450 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

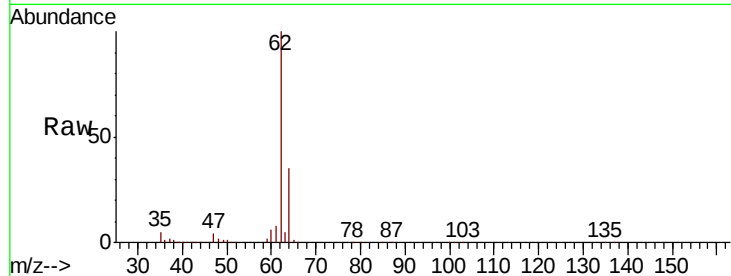
BFB

Tot Ion: 62 Resp: 691232

Ion Ratio Lower Upper

62 100

64 34.6 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

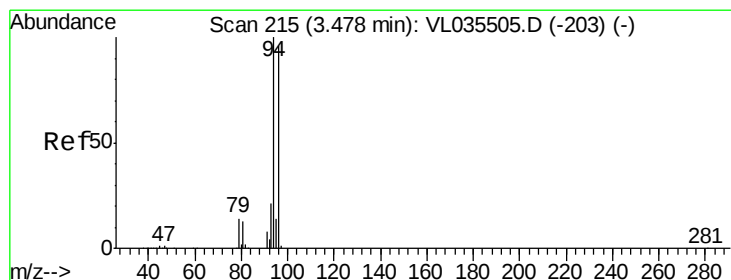
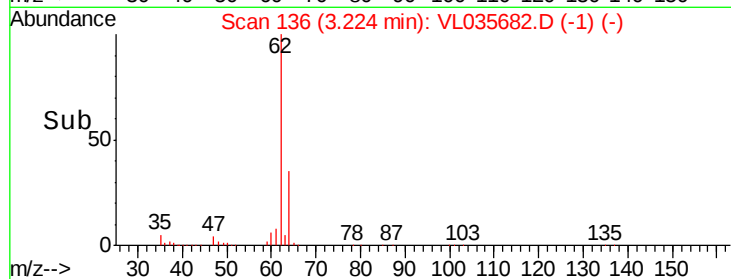
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 9.959 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL035682.D

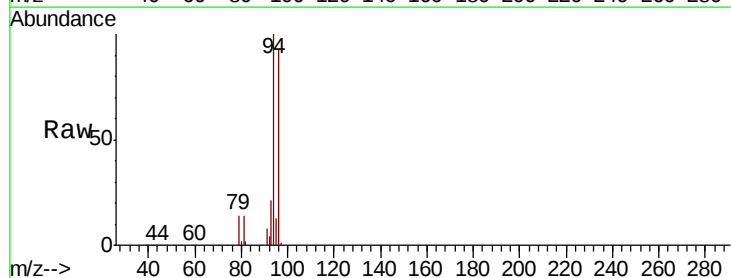
Acq: 21 Sep 2020 10:36

Tgt Ion: 94 Resp: 611888

Ion Ratio Lower Upper

94 100

96 92.9 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

500000

400000

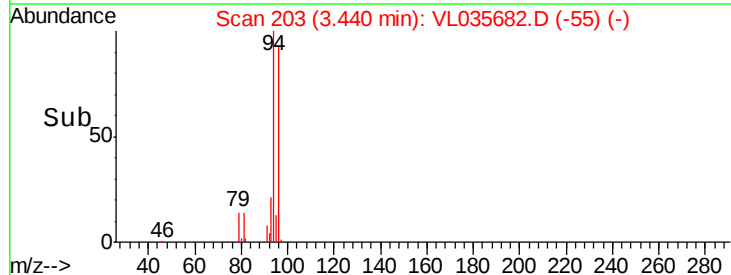
300000

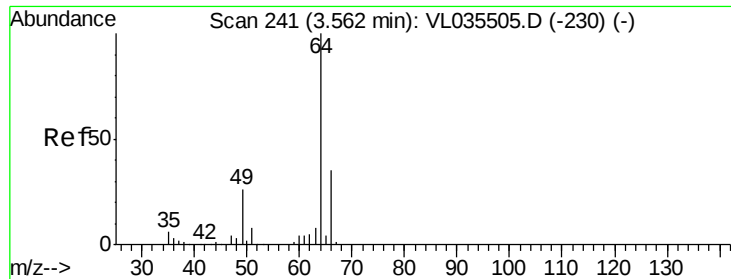
200000

100000

0

Time--> 3.35 3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 10.117 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

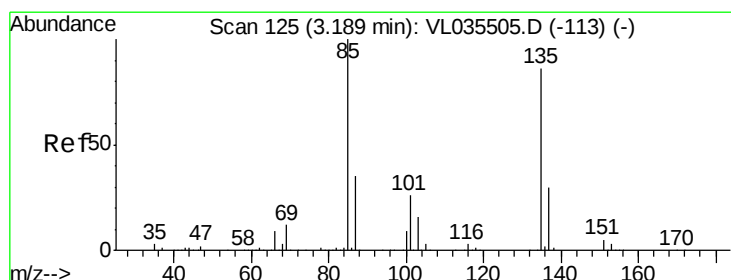
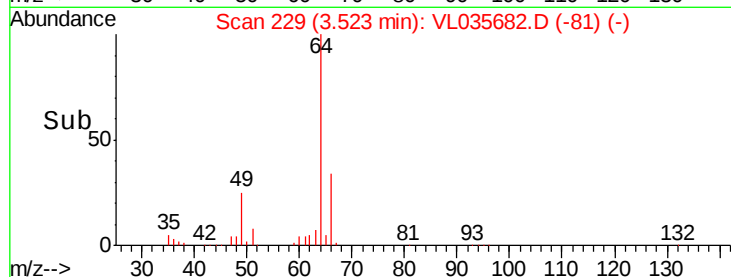
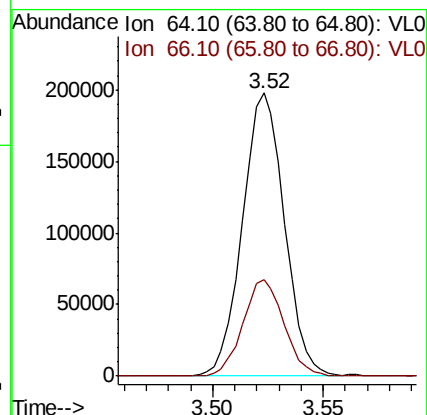
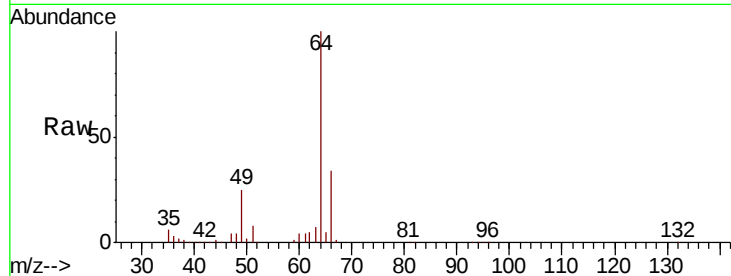
BFB

Tot Ion: 64 Resp: 261623

Ion Ratio Lower Upper

64 100

66 34.2 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.549 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL035682.D

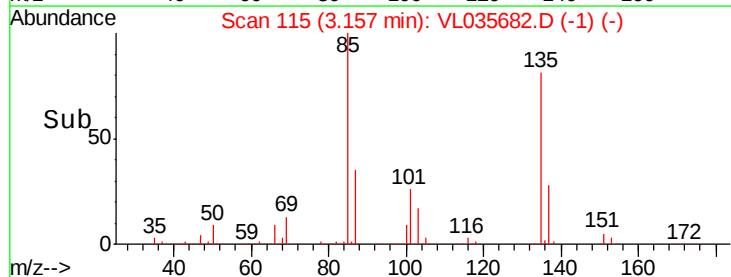
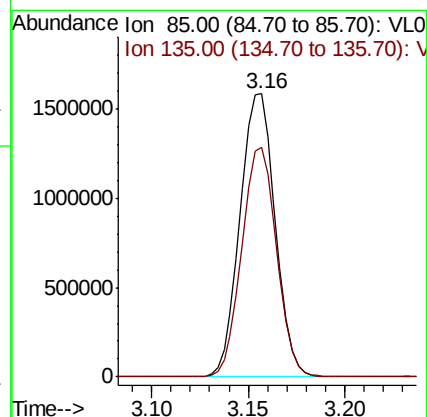
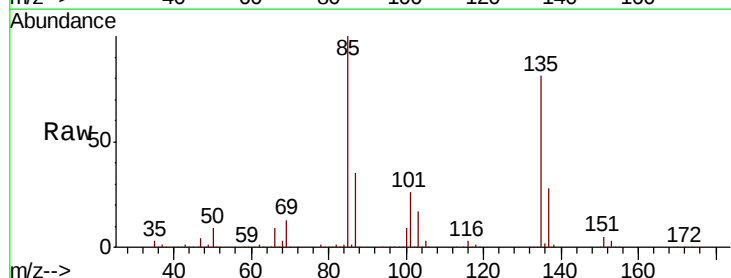
Acq: 21 Sep 2020 10:36

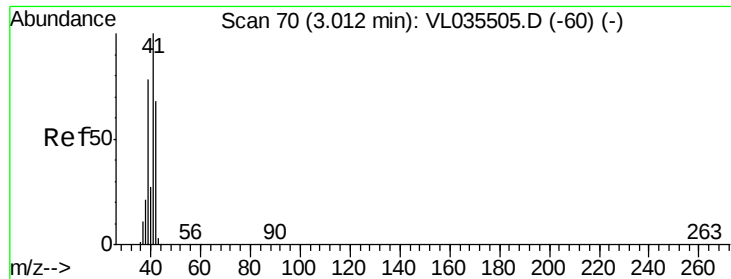
Tgt Ion: 85 Resp: 2006665

Ion Ratio Lower Upper

85 100

135 80.6 70.4 105.6





#9

Propene

Concen: 9.590 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

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MSVOA_L

ClientSampleId :

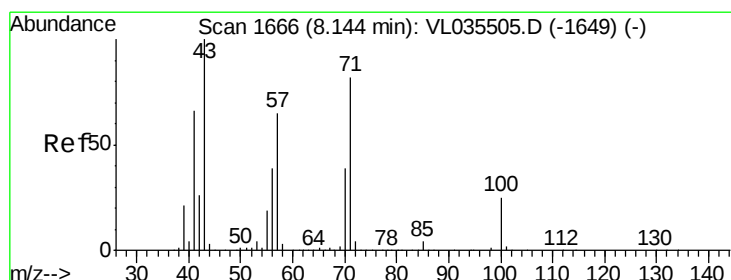
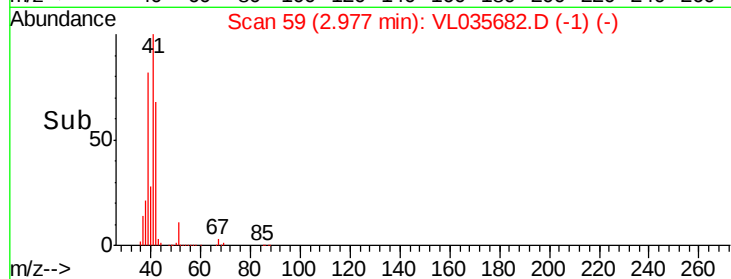
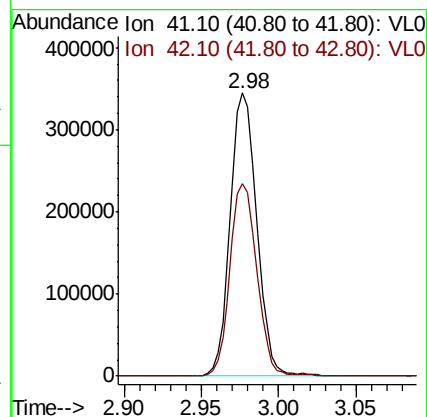
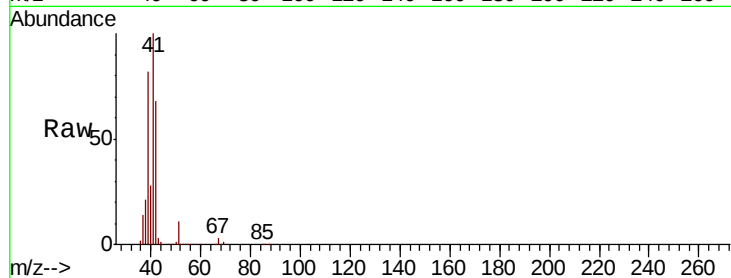
BFB

Tot Ion: 41 Resp: 409431

Ion Ratio Lower Upper

41 100

42 68.9 56.3 84.5



#10

Heptane

Concen: 10.527 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.04 min

Lab File: VL035682.D

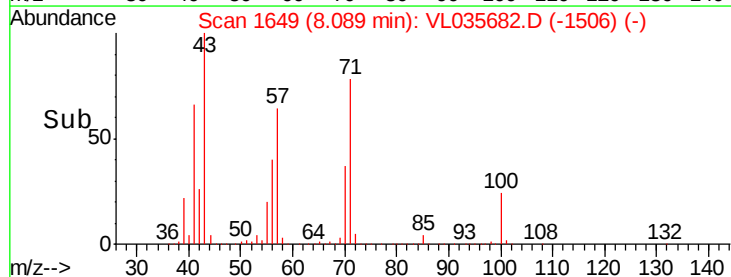
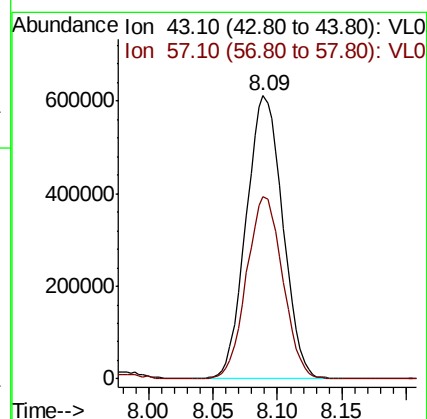
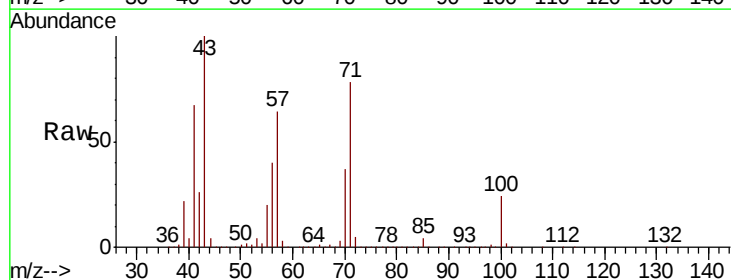
Acq: 21 Sep 2020 10:36

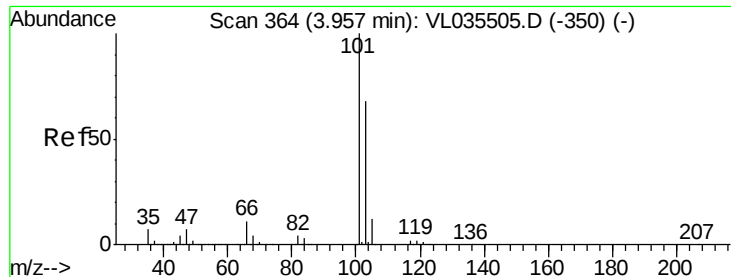
Tgt Ion: 43 Resp: 1207105

Ion Ratio Lower Upper

43 100

57 63.9 51.4 77.0

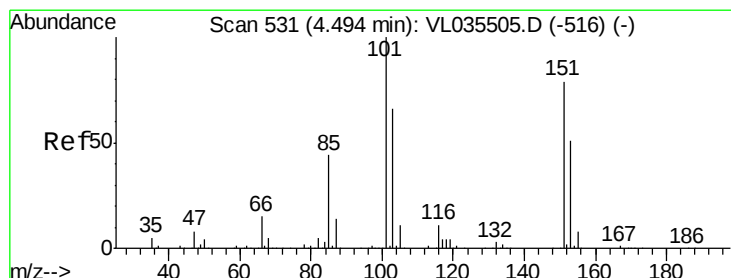
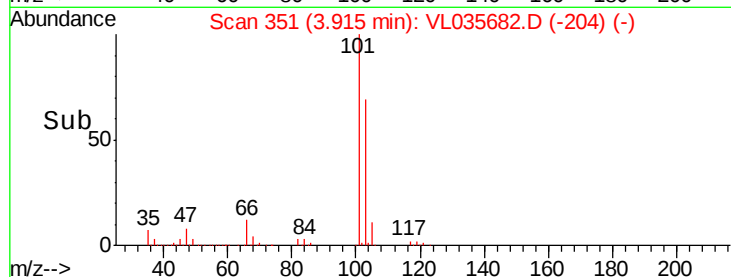
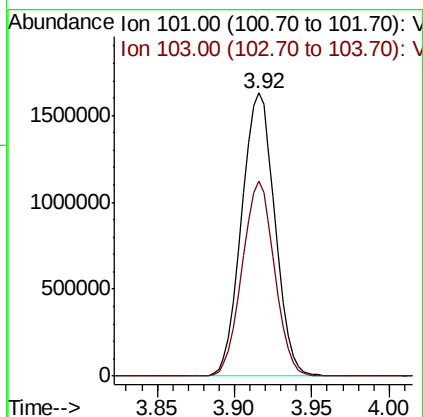
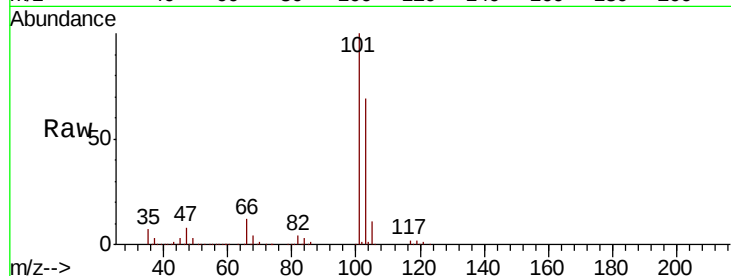




#11
 Trichlorofluoromethane
 Concen: 9.617 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

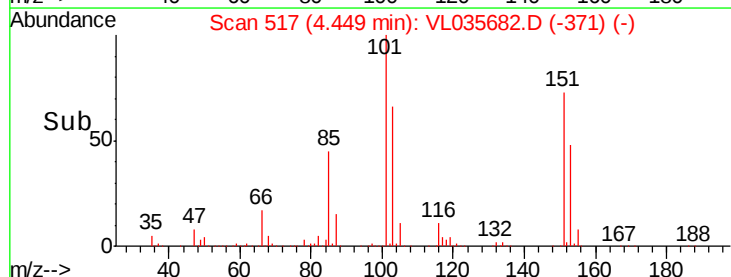
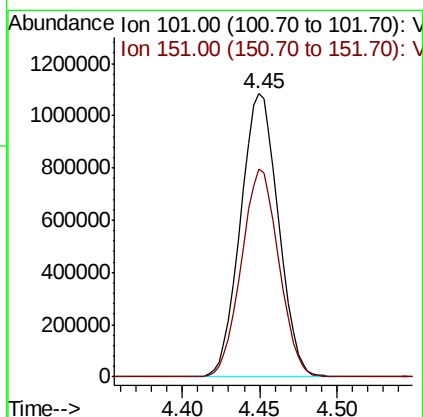
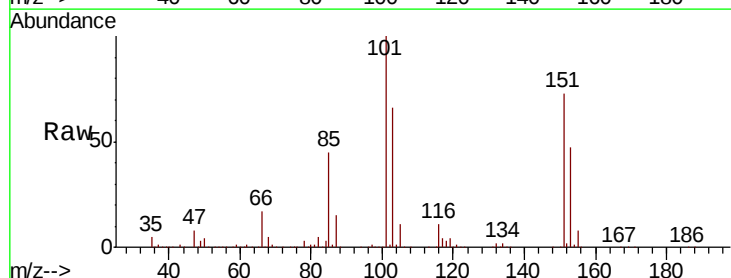
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

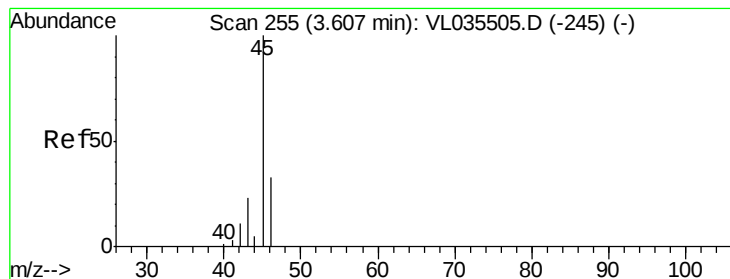
Tot Ion:101 Resp: 2433509
 Ion Ratio Lower Upper
 101 100
 103 68.9 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.668 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion:101 Resp: 1846541
 Ion Ratio Lower Upper
 101 100
 151 72.8 63.5 95.3





#13

Ethanol

Concen: 9.309 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

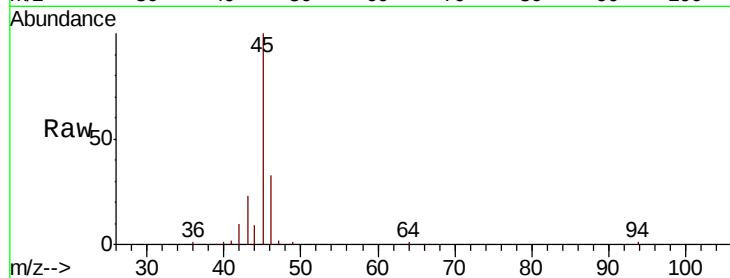
BFB

Tot Ion: 45 Resp: 98535

Ion Ratio Lower Upper

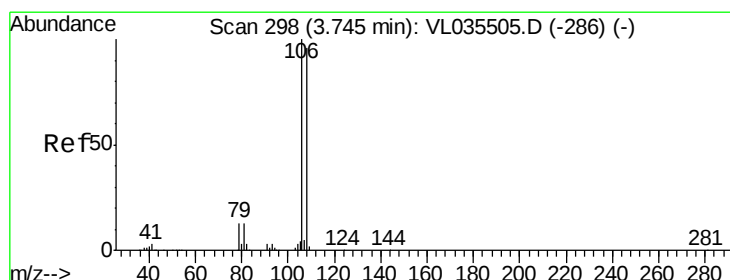
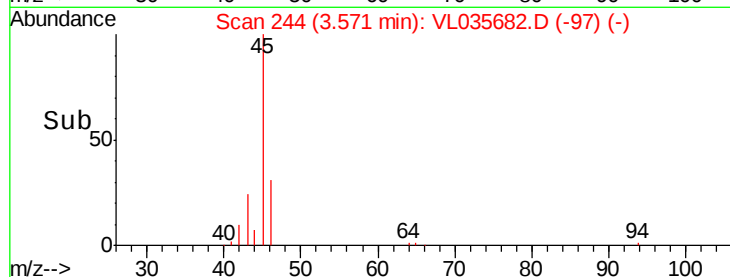
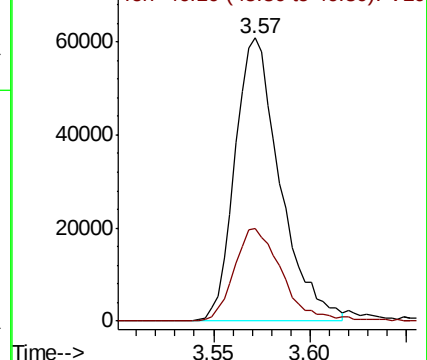
45 100

46 35.5 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.933 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

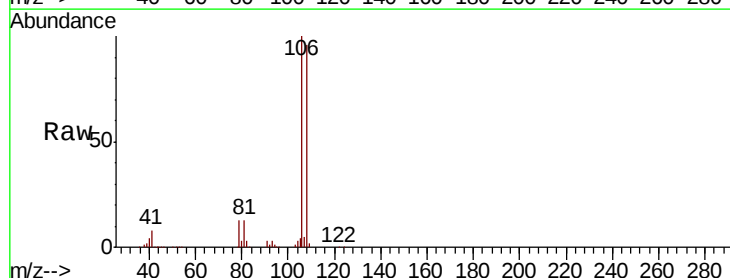
Tgt Ion: 108 Resp: 816592

Ion Ratio Lower Upper

108 100

106 105.6 84.9 127.3

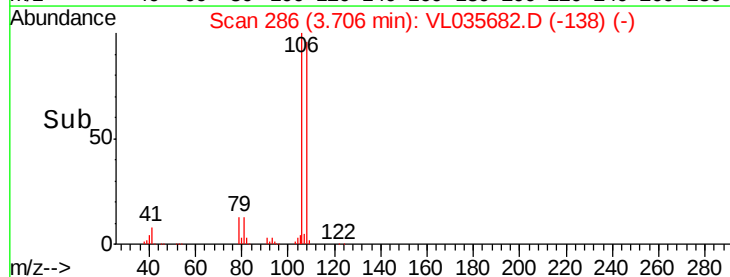
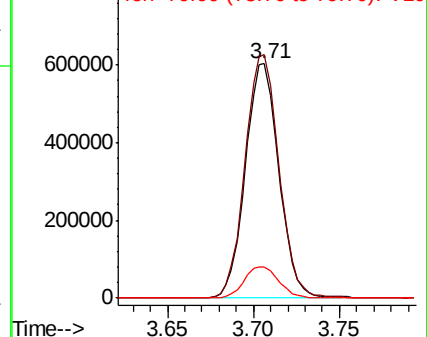
79 13.9 10.8 16.2

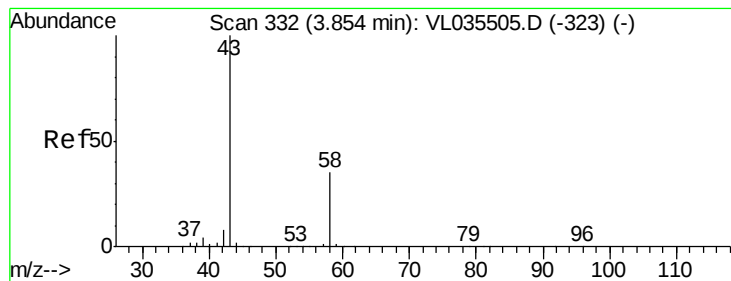


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.692 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

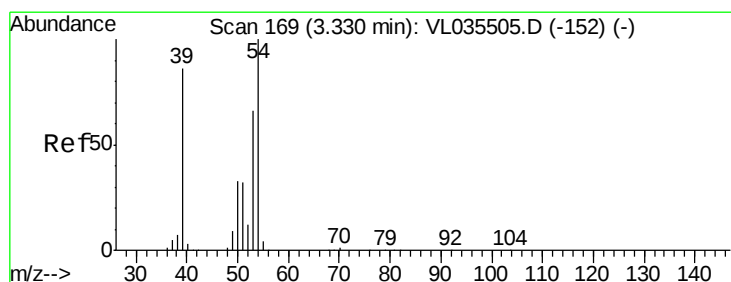
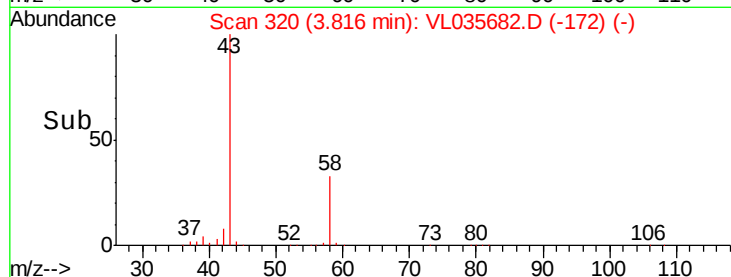
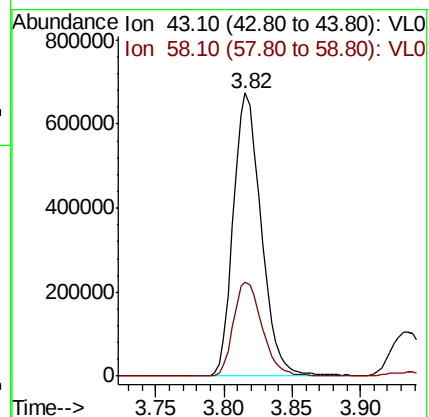
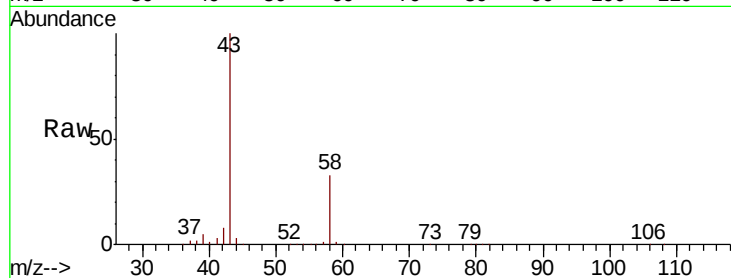
BFB

Tot Ion: 43 Resp: 959920

Ion Ratio Lower Upper

43 100

58 34.5 28.4 42.6



#16

1,3-Butadiene

Concen: 10.460 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.02 min

Lab File: VL035682.D

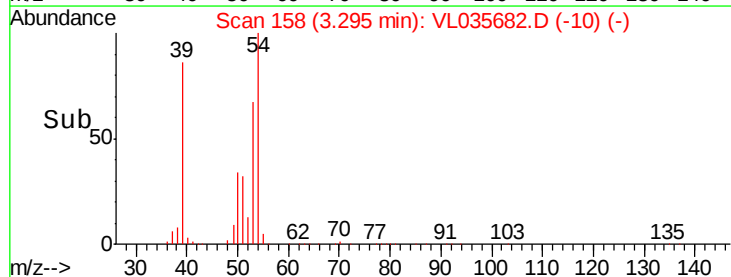
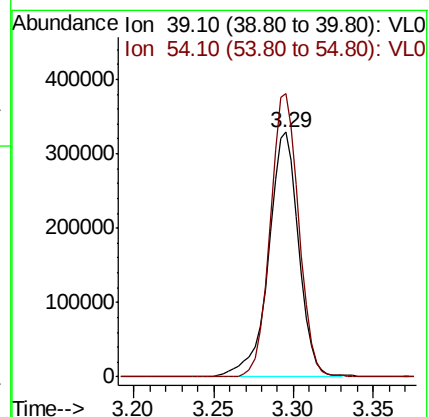
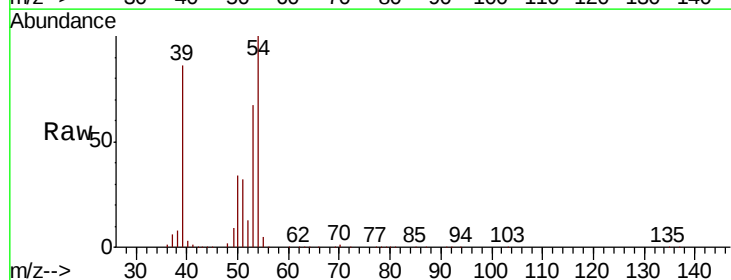
Acq: 21 Sep 2020 10:36

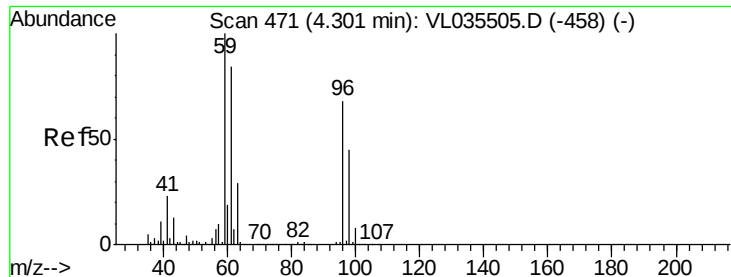
Tgt Ion: 39 Resp: 430015

Ion Ratio Lower Upper

39 100

54 110.0 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.344 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

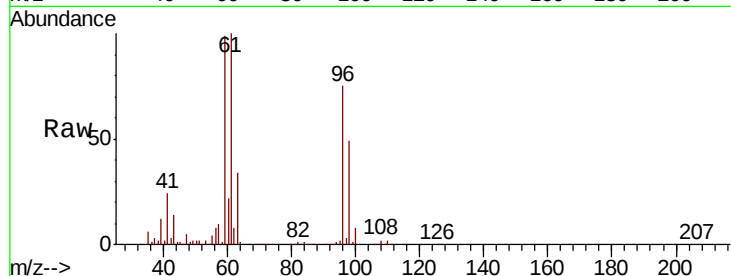
BFB

Tot Ion: 59 Resp: 1390449

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

800000

600000

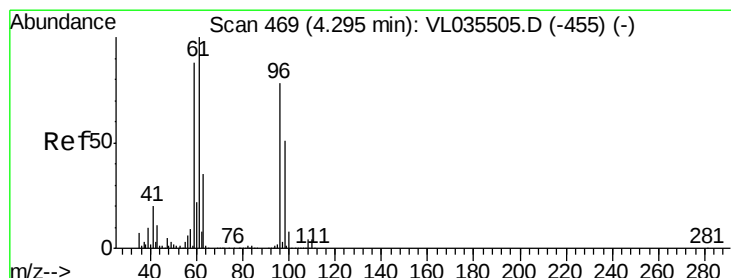
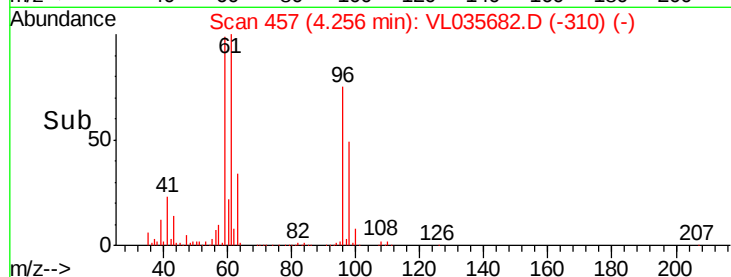
400000

200000

0

4.20 4.25 4.30 4.35

Time-->



#18

1,1-Dichloroethene

Concen: 10.245 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

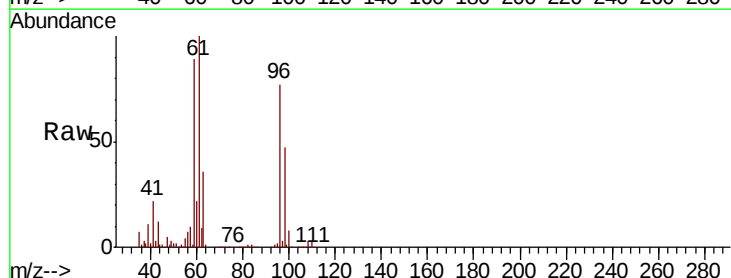
Tgt Ion: 96 Resp: 861667

Ion Ratio Lower Upper

96 100

61 129.9 103.0 154.6

98 61.7 52.8 79.2



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

1000000

800000

600000

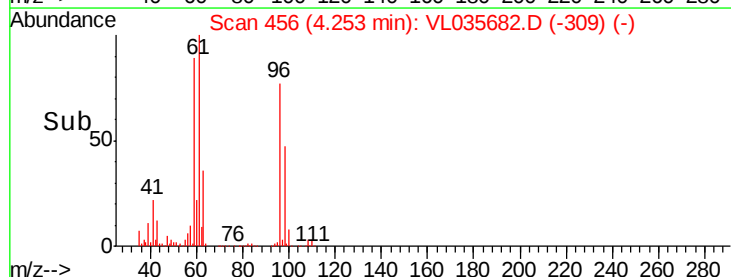
400000

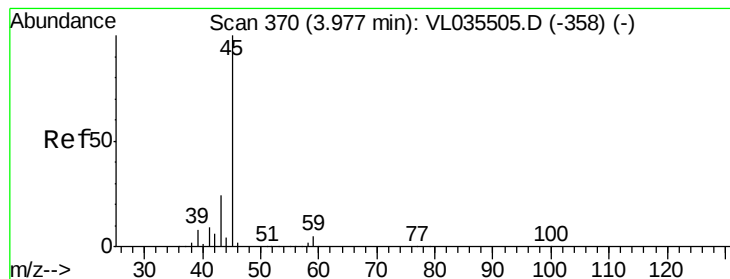
200000

0

4.20 4.25 4.30

Time-->





#19

Isopropyl Alcohol

Concen: 10.165 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

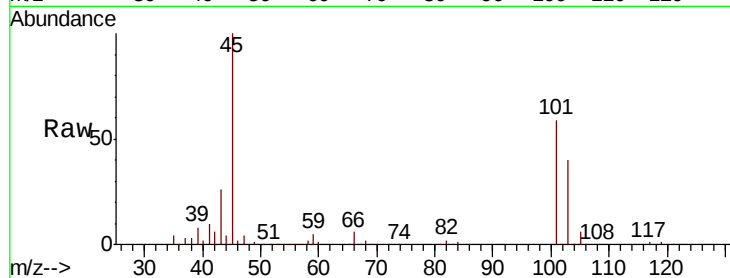
BFB

Tot Ion: 45 Resp: 669645

Ion Ratio Lower Upper

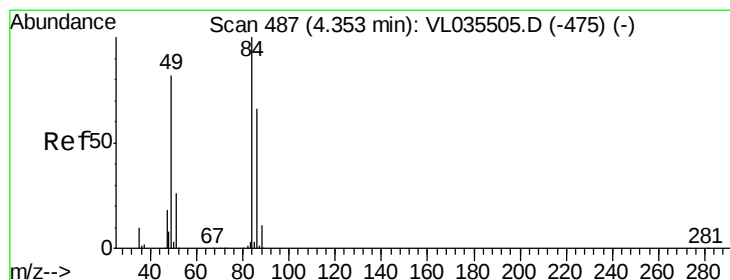
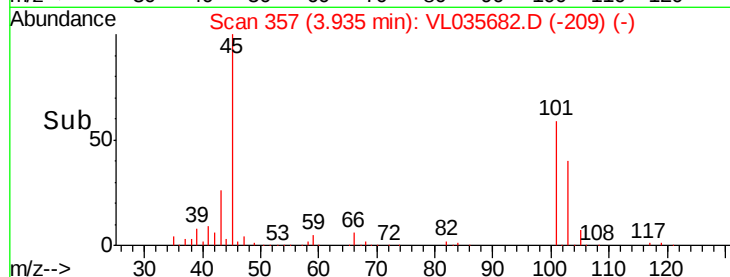
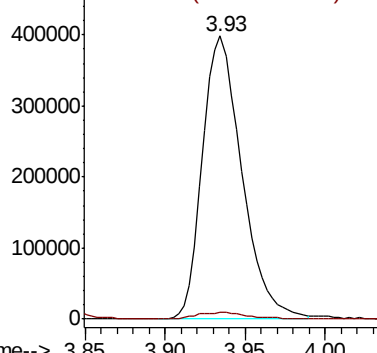
45 100

58 3.6 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.495 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Tgt Ion: 84 Resp: 698729

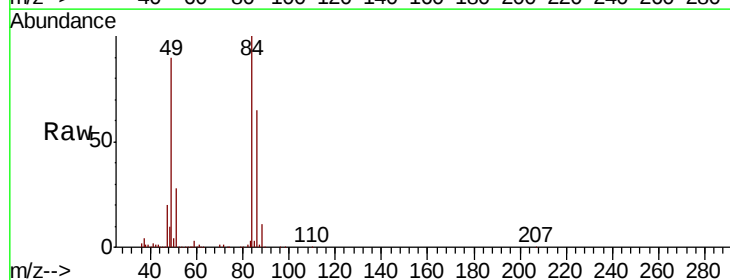
Ion Ratio Lower Upper

84 100

49 88.9 65.4 98.0

51 27.0 21.5 32.3

86 65.0 52.9 79.3

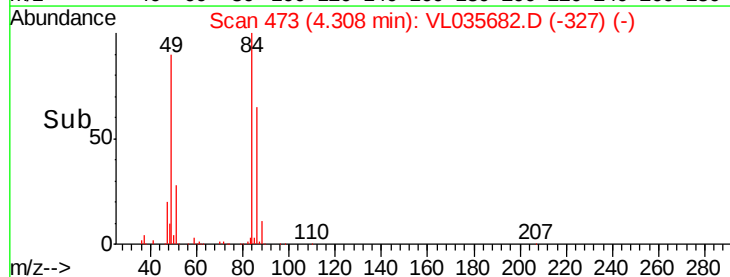
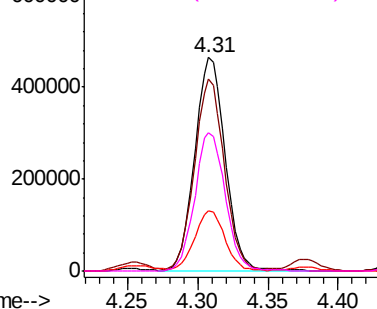


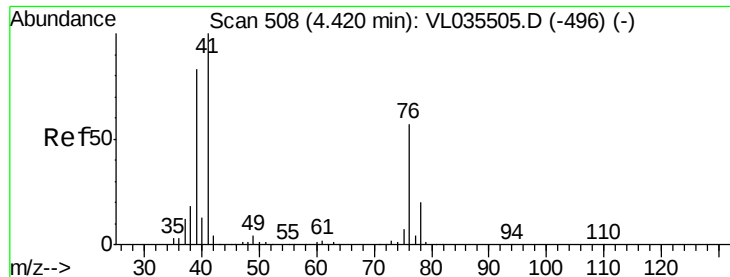
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

Allvl Chloride

Concen: 11.266 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

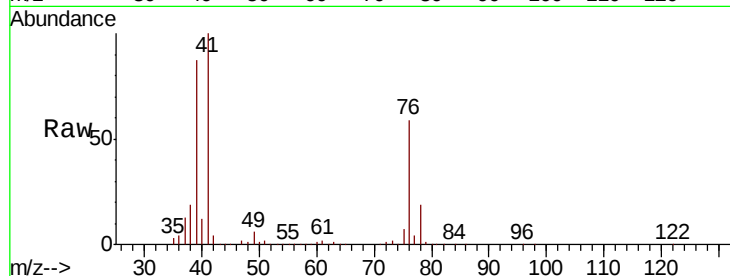
Tot Ion: 41 Resp: 582887

Ion Ratio Lower Upper

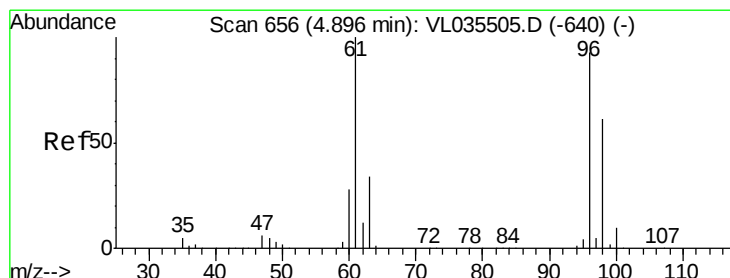
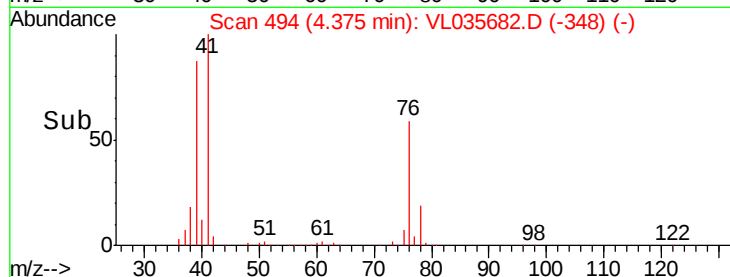
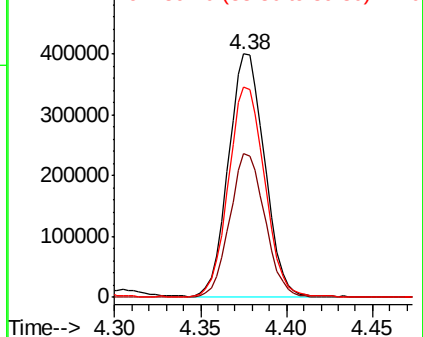
41 100

76 57.7 46.2 69.2

39 87.1 67.8 101.6



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: 9.985 ppbv

RT: 4.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

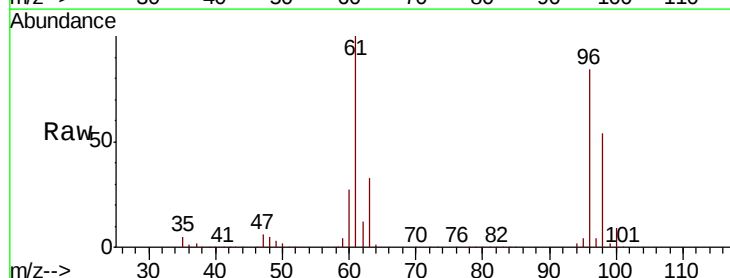
Tgt Ion: 96 Resp: 894003

Ion Ratio Lower Upper

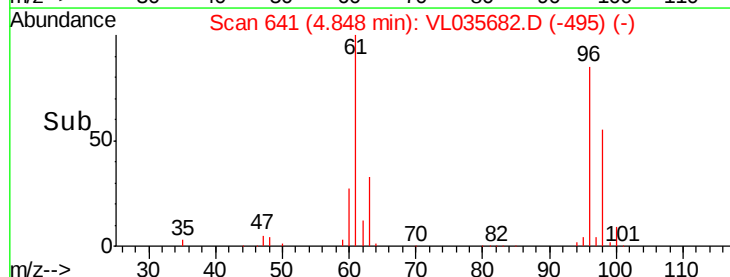
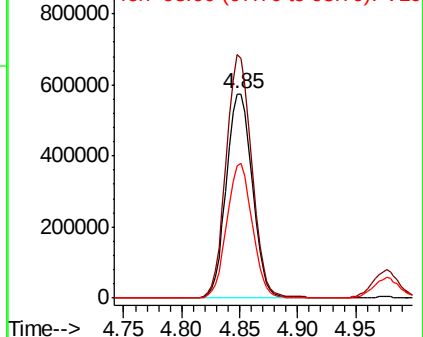
96 100

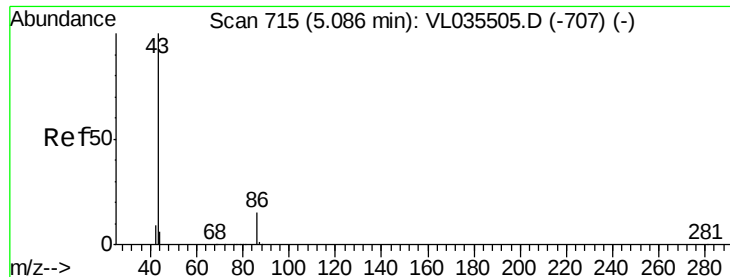
61 119.0 86.0 129.0

98 64.8 52.3 78.5



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



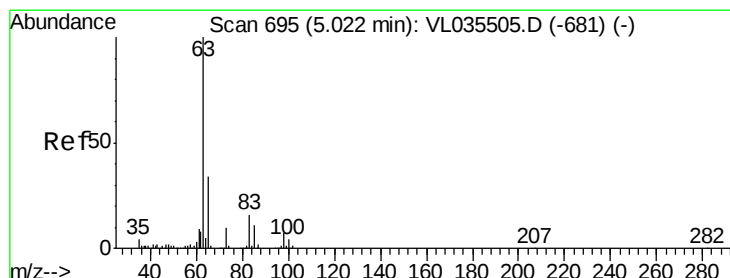
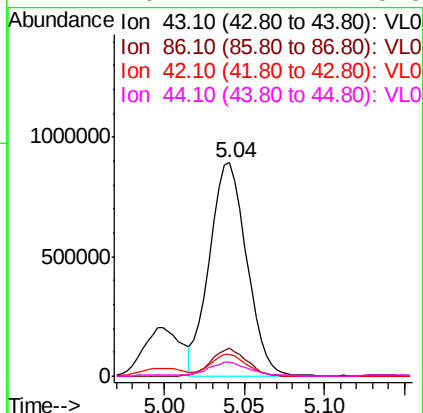
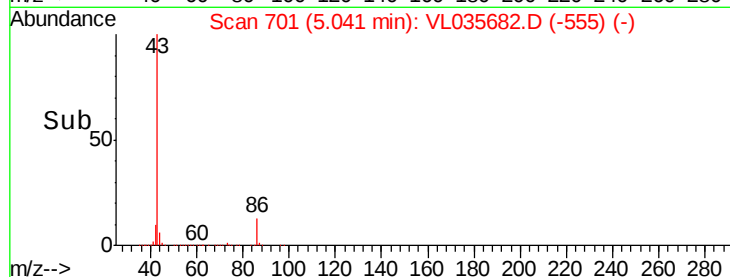
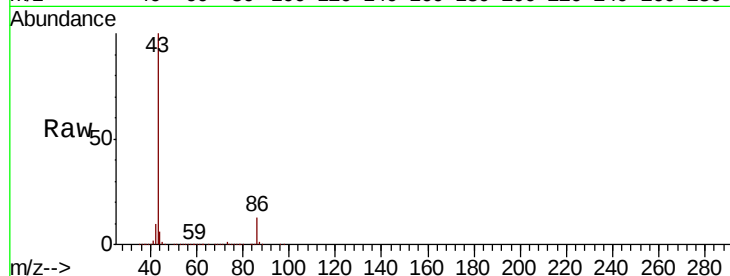


#23
 Vinyl Acetate
 Concen: 10.076 ppbv
 RT: 5.04 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

Tot Ion: 43 Resp: 1428183

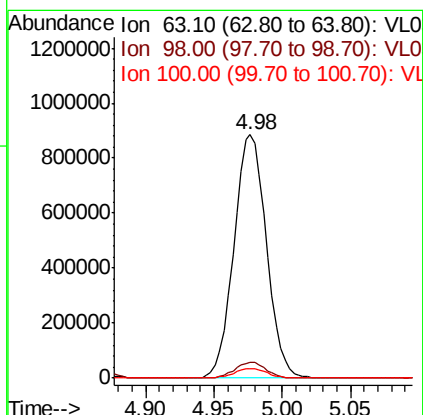
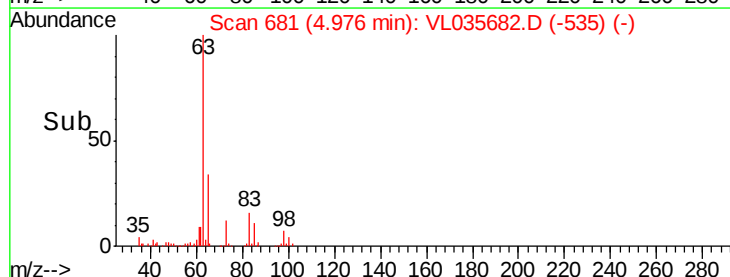
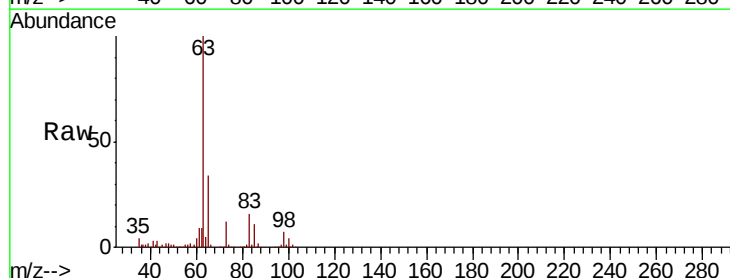
Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.6	16.0
42	10.0	7.5	11.3
44	6.2	4.4	6.6

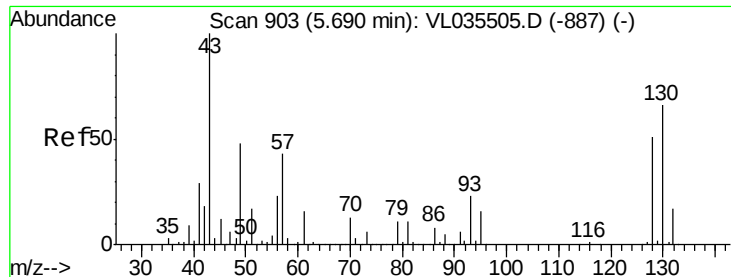


#24
 1,1-Dichloroethane
 Concen: 10.016 ppbv
 RT: 4.98 min Scan# 681
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 63 Resp: 1460954

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.1	6.5



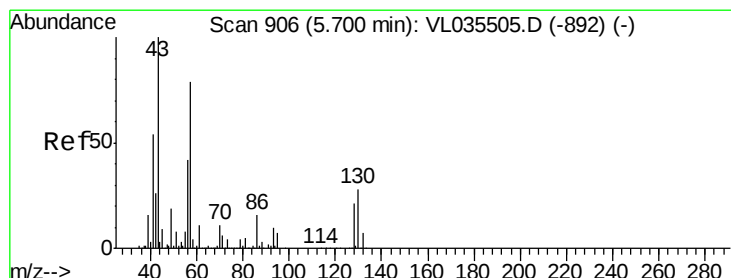
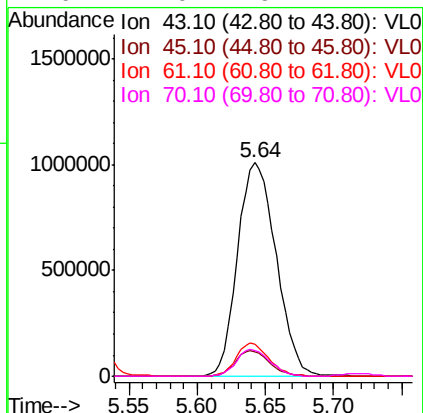
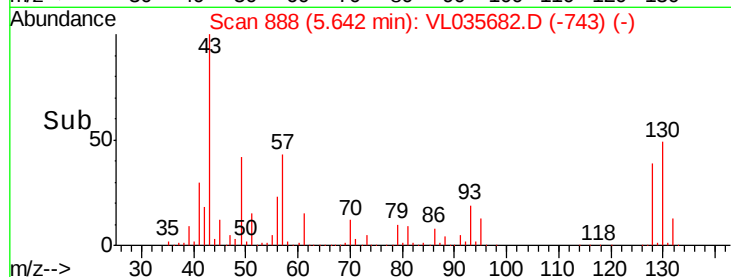
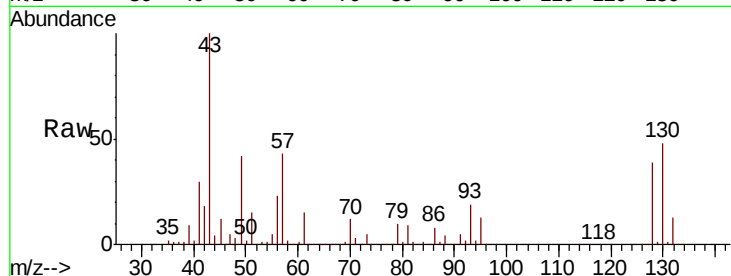


#25
Ethyl Acetate
Concen: 10.157 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tot Ion: 43 Resp: 1981501

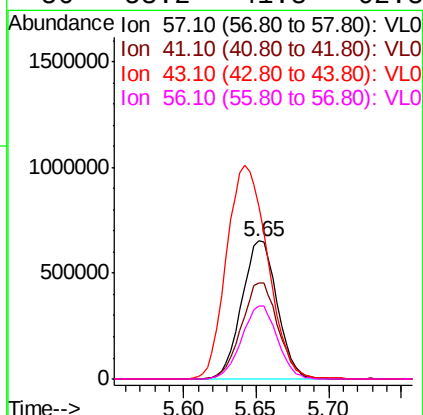
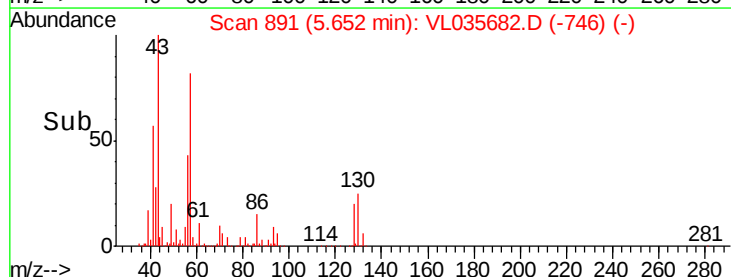
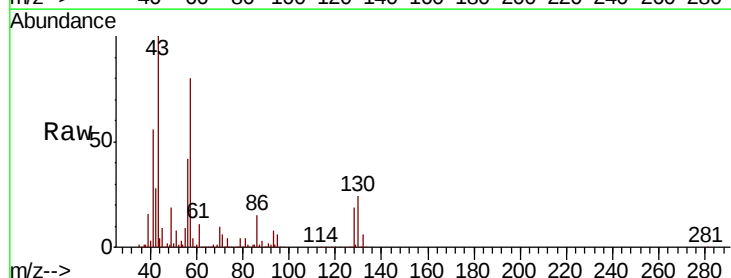
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.2	10.6	16.0
70	11.0	9.4	14.2

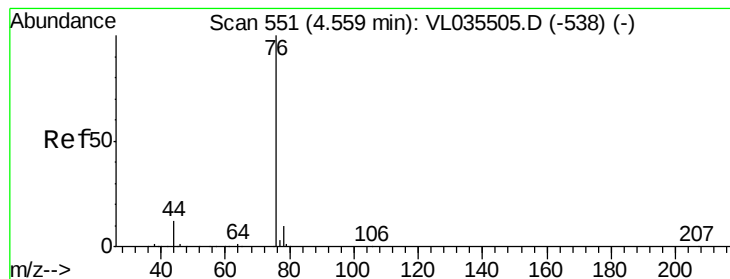


#26
Hexane
Concen: 10.048 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 57 Resp: 1110744

Ion	Ratio	Lower	Upper
57	100		
41	73.3	55.9	83.9
43	179.0	141.8	212.8
56	53.2	41.8	62.8





#27

Carbon Disulfide

Concen: 11.814 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

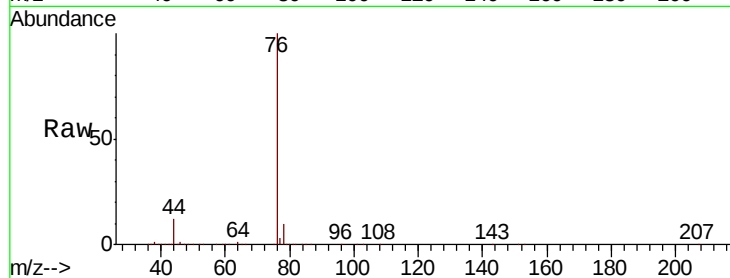
Tot Ion: 76 Resp: 1874021

Ion Ratio Lower Upper

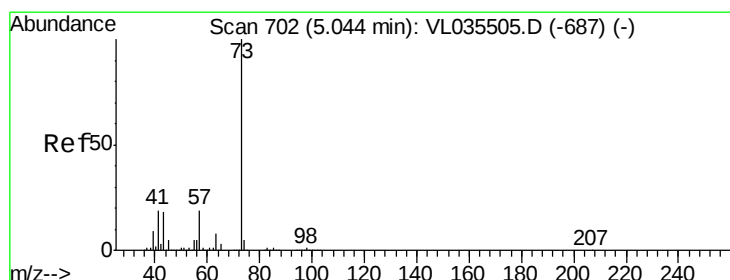
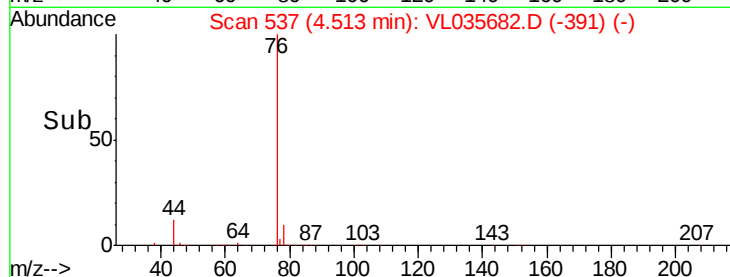
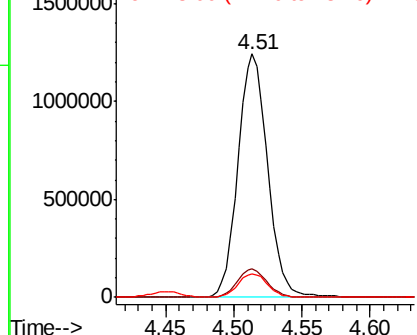
76 100

44 12.0 9.3 13.9

78 9.7 7.8 11.6



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: 9.932 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.03 min

Lab File: VL035682.D

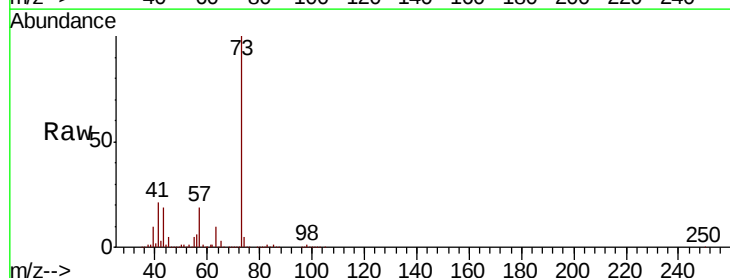
Acq: 21 Sep 2020 10:36

Tgt Ion: 73 Resp: 1913530

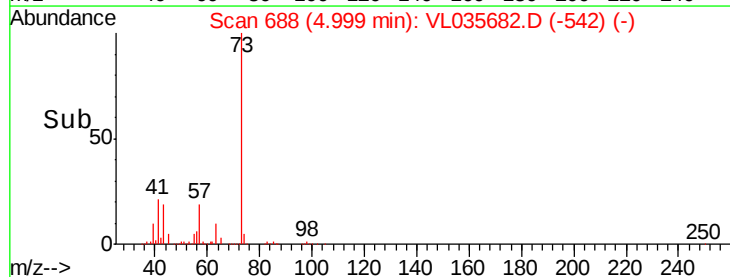
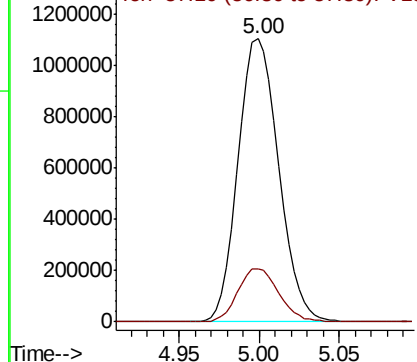
Ion Ratio Lower Upper

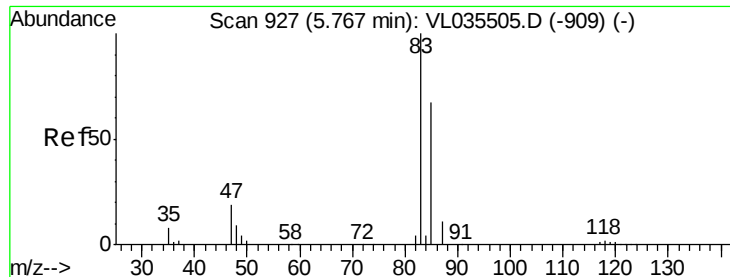
73 100

57 19.1 15.2 22.8



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

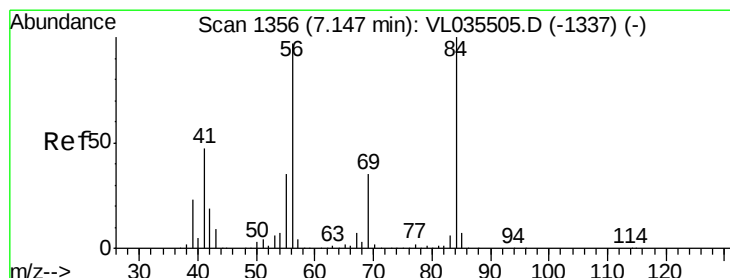
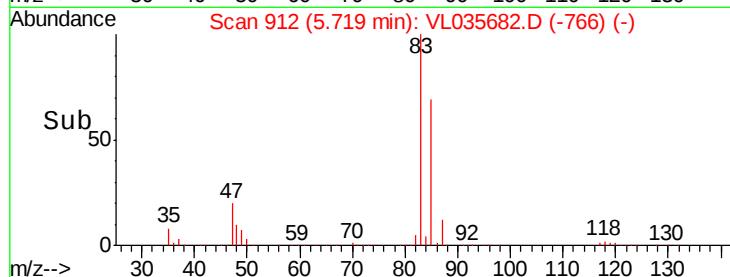
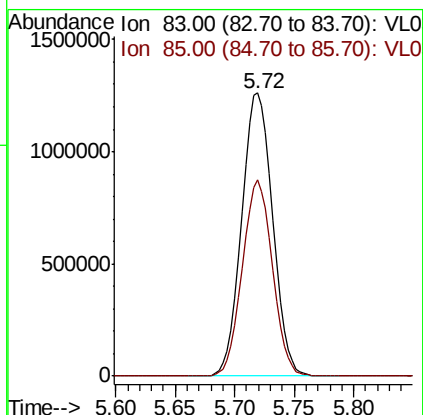
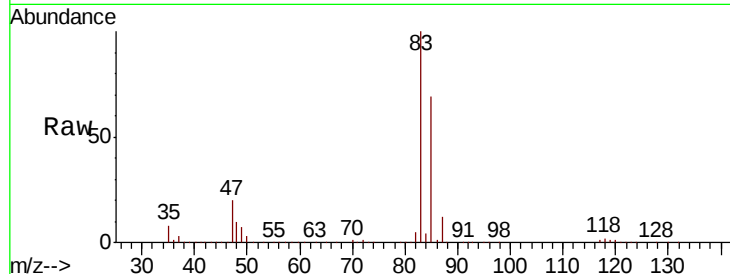




#29
Chloroform
Concen: 10.122 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.03 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

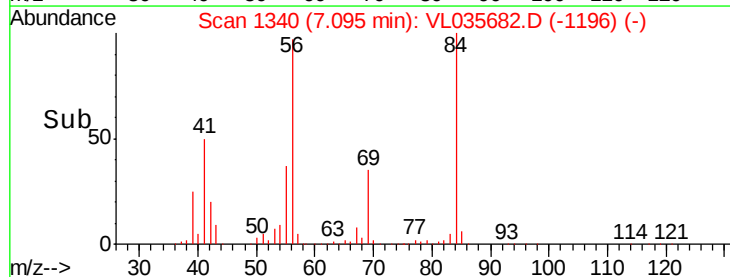
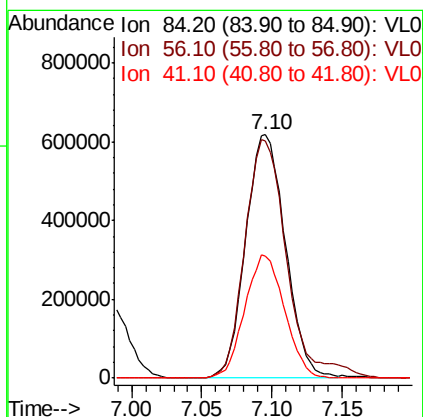
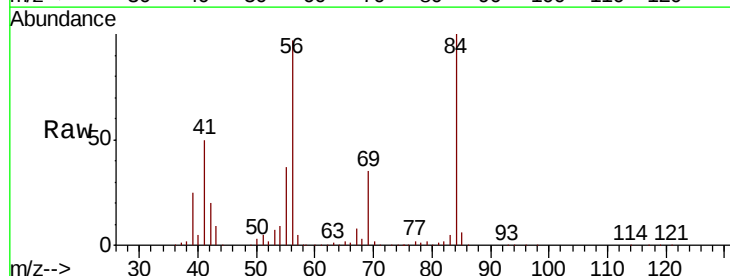
Instrument :
MSVOA_L
ClientSampleID :
BFB

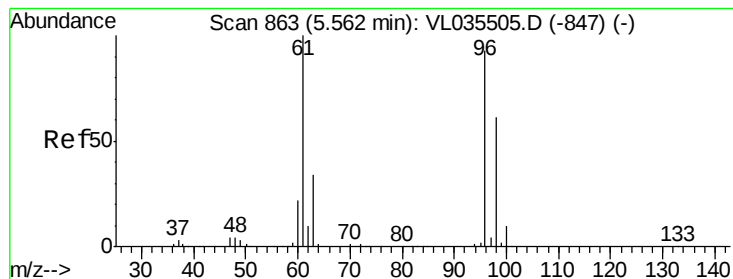
Tot Ion: 83 Resp: 2279674
Ion Ratio Lower Upper
83 100
85 69.3 53.9 80.9



#30
Cyclohexane
Concen: 10.306 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 84 Resp: 1220463
Ion Ratio Lower Upper
84 100
56 103.5 80.1 120.1
41 50.8 38.1 57.1



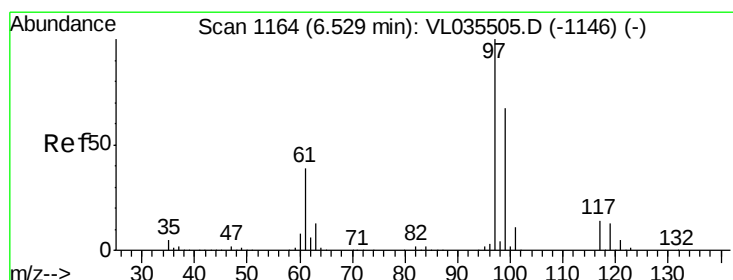
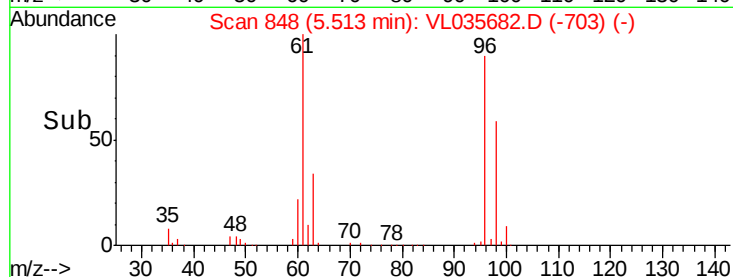
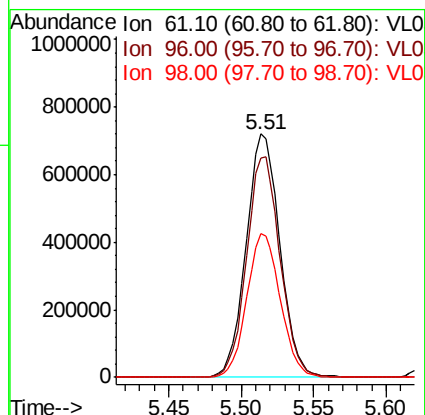
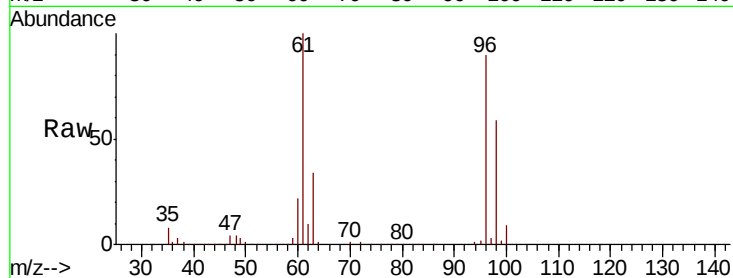


#31

cis-1,2-Dichloroethene
 Concen: 10.295 ppbv
 RT: 5.51 min Scan# 848
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

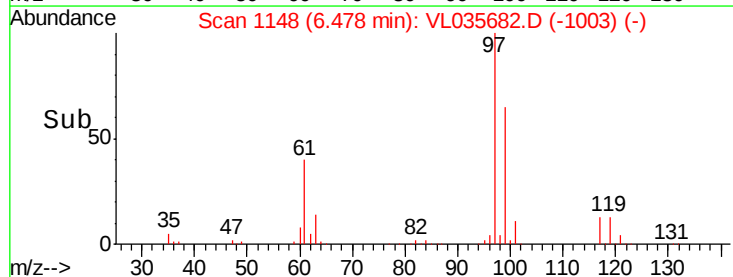
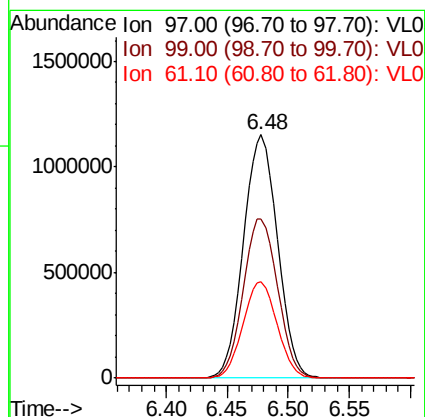
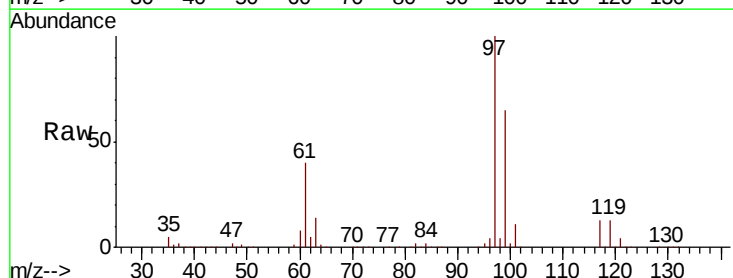
Tot Ion: 61 Resp: 1167508
 Ion Ratio Lower Upper
 61 100
 96 90.1 74.4 111.6
 98 59.2 49.2 73.8

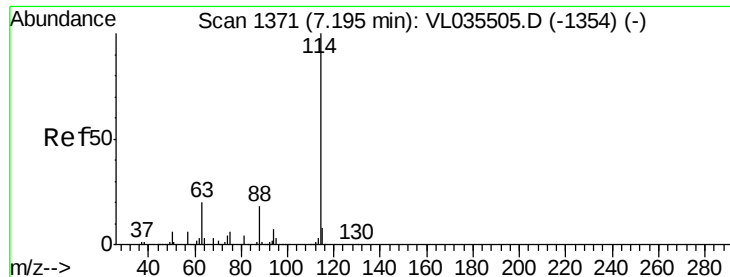


#32

1,1,1-Trichloroethane
 Concen: 10.167 ppbv
 RT: 6.48 min Scan# 1148
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 97 Resp: 2221284
 Ion Ratio Lower Upper
 97 100
 99 66.1 53.3 79.9
 61 39.9 30.6 46.0

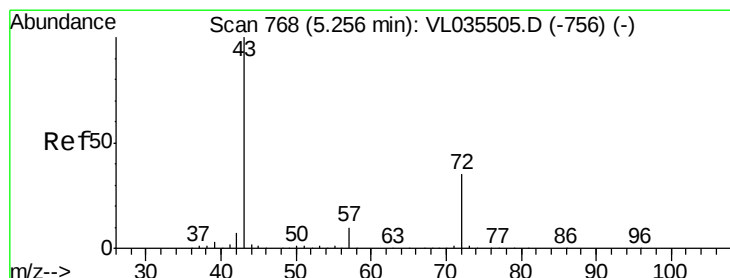
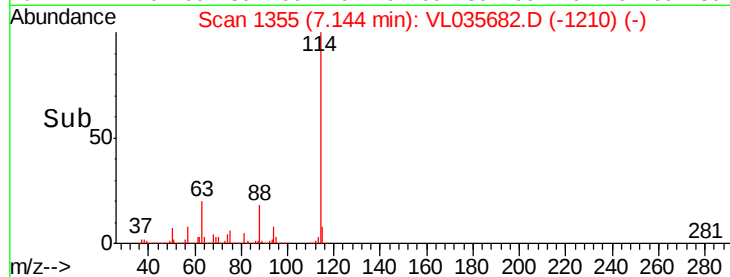
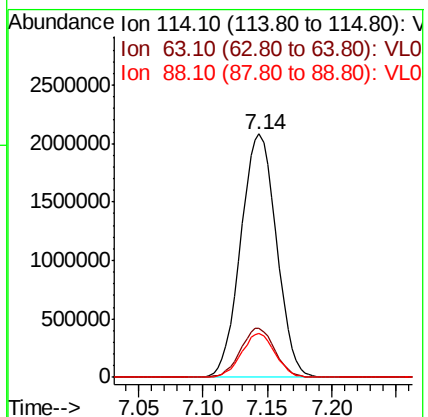
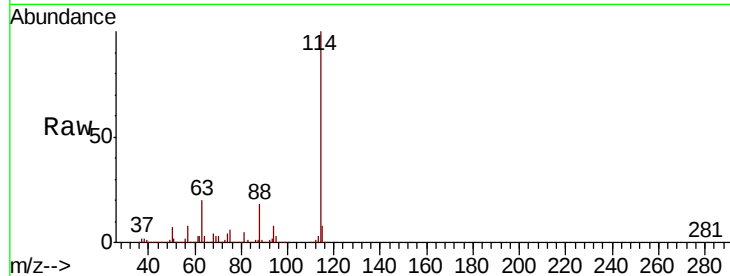




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

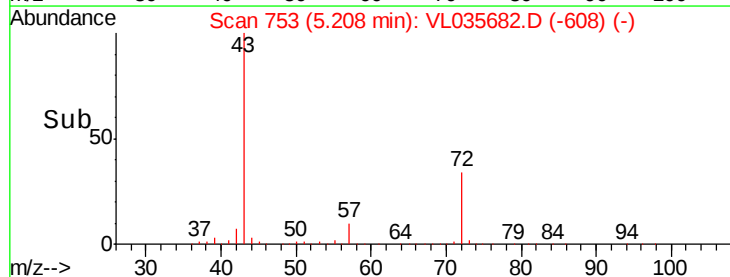
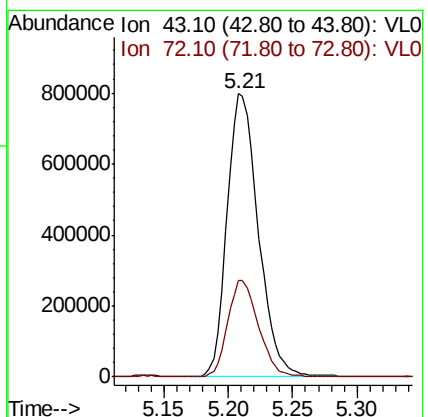
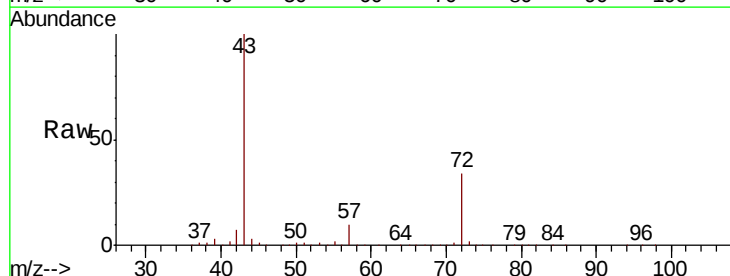
Instrument :
 MSVOA_L
 ClientSampleID :
 BFB

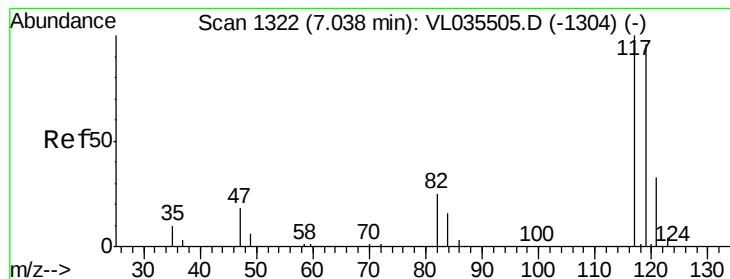
Tot Ion:114 Resp: 4013475
 Ion Ratio Lower Upper
 114 100
 63 19.5 14.7 22.1
 88 17.1 13.4 20.2



#34
 2-Butanone
 Concen: 11.251 ppbv
 RT: 5.21 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 43 Resp: 1340141
 Ion Ratio Lower Upper
 43 100
 72 33.6 27.7 41.5





#35

Carbon Tetrachloride

Concen: 11.503 ppbv

RT: 6.98 min Scan# 1305

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

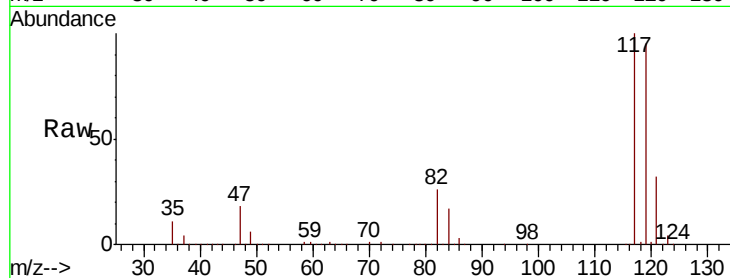
Tot Ion:117 Resp: 2320293

Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8

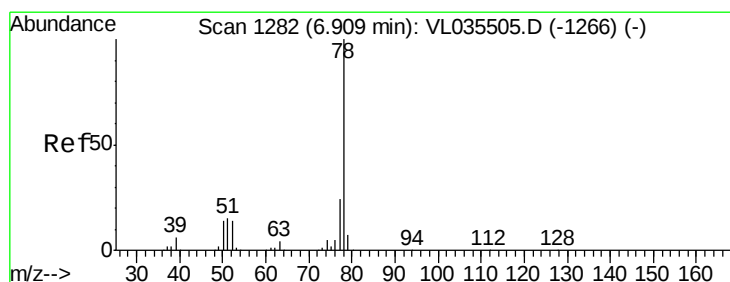
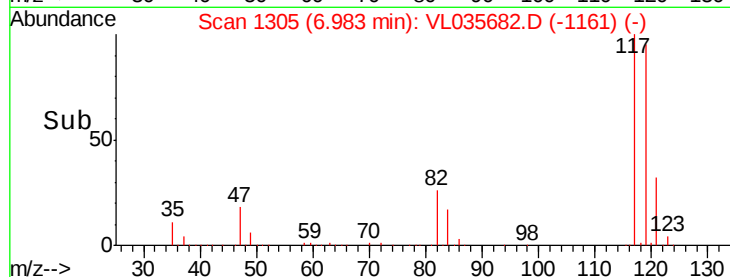
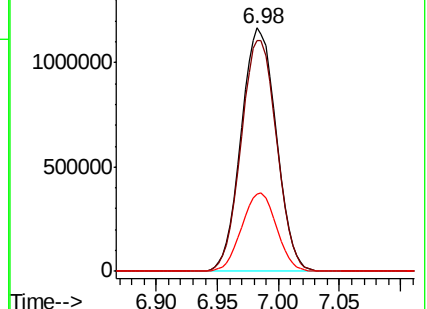
121 31.6 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.813 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

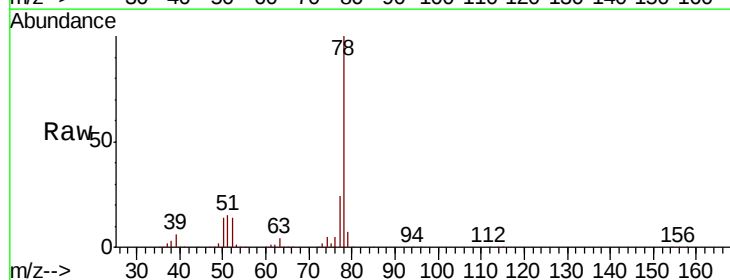
Tgt Ion: 78 Resp: 2809078

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

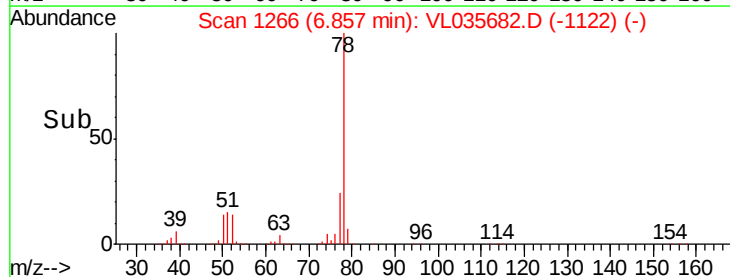
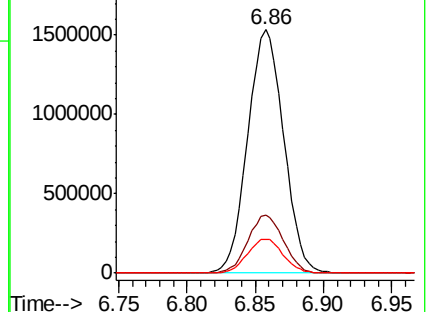
50 14.0 11.0 16.6

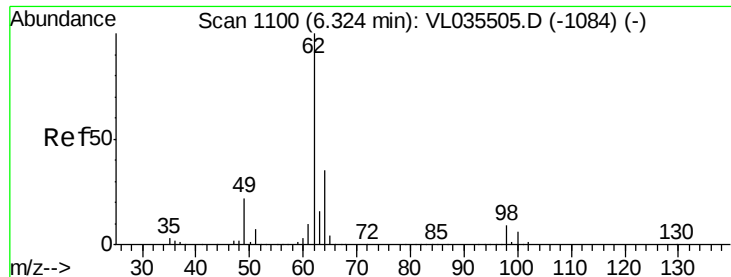


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.238 ppbv

RT: 6.27 min Scan# 1084

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

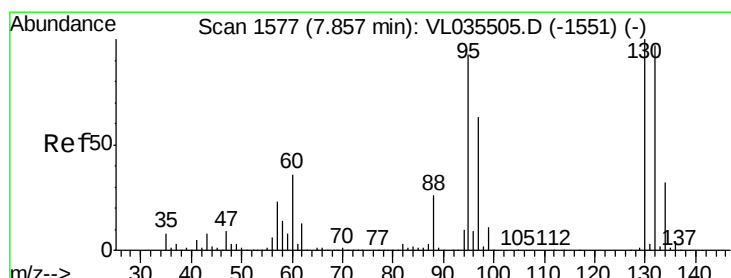
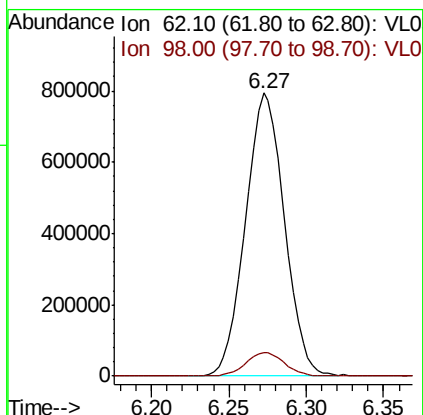
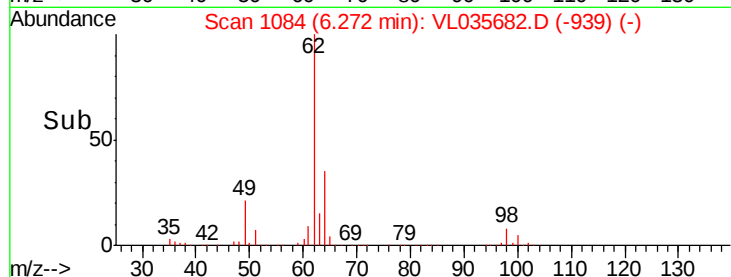
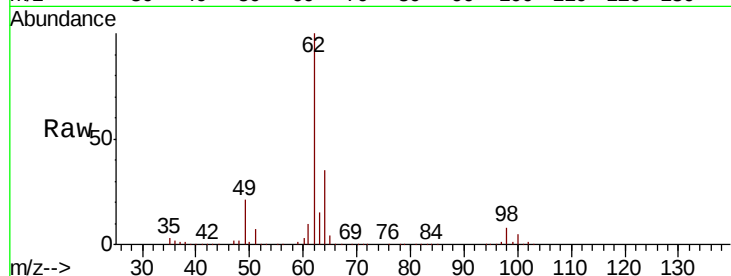
BFB

Tot Ion: 62 Resp: 1391915

Ion Ratio Lower Upper

62 100

98 8.4 7.4 11.0



#38

Trichloroethene

Concen: 9.511 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Tgt Ion:130 Resp: 1435256

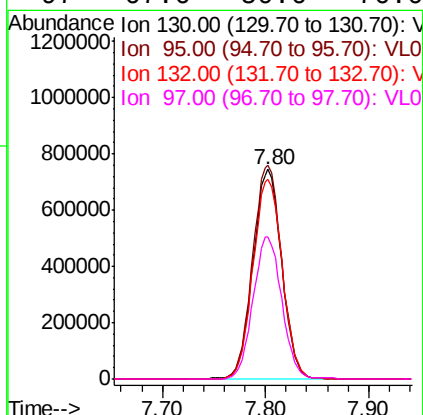
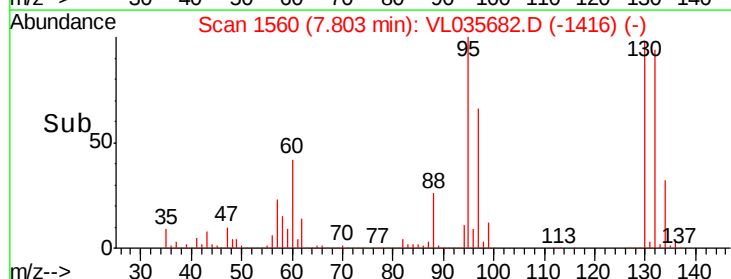
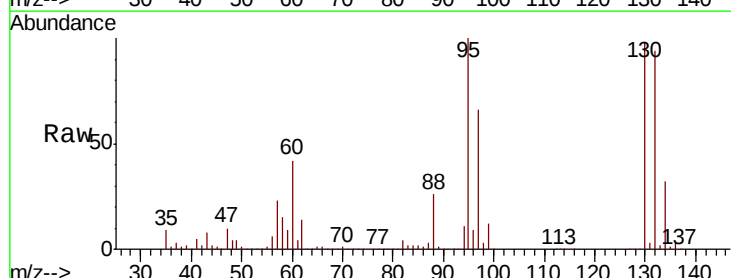
Ion Ratio Lower Upper

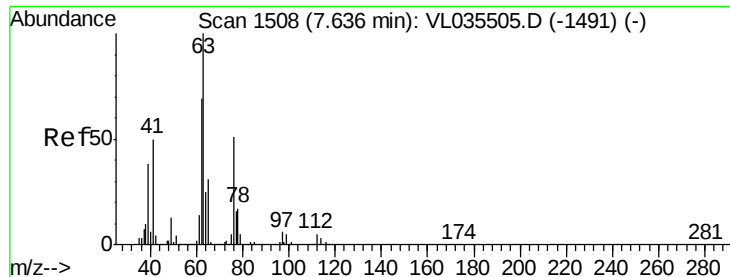
130 100

95 101.9 74.6 112.0

132 95.5 77.6 116.4

97 67.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.843 ppbv

RT: 7.58 min Scan# 1491

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

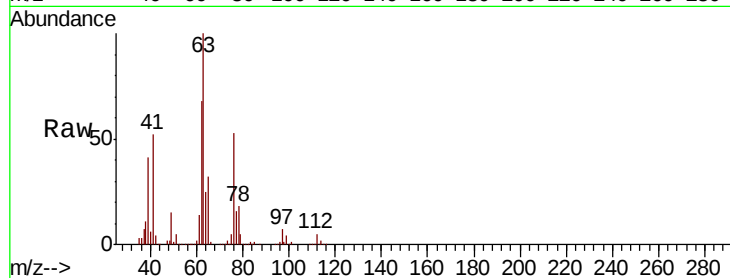
Tot Ion: 63 Resp: 951575

Ion Ratio Lower Upper

63 100

41 51.9 40.0 60.0

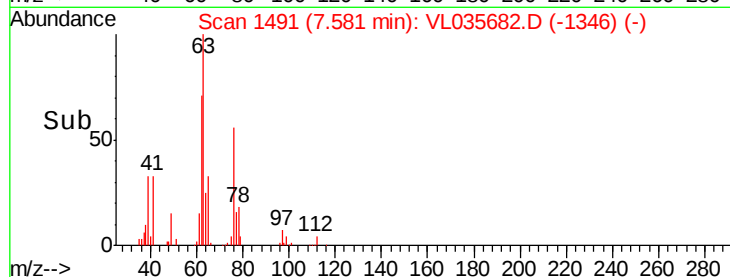
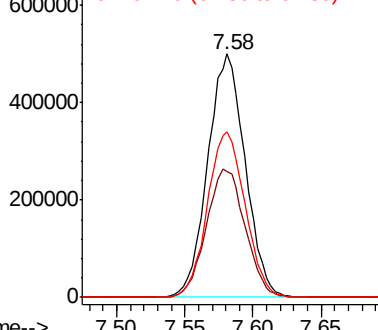
62 68.0 55.4 83.0



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: 11.548 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Tgt Ion: 88 Resp: 506297

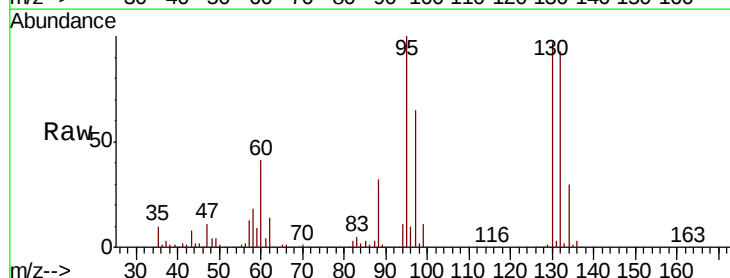
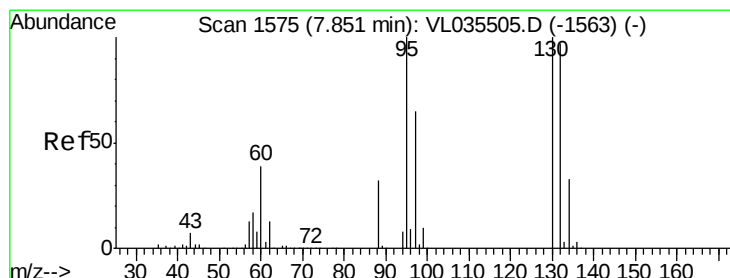
Ion Ratio Lower Upper

88 100

58 91.6 68.7 103.1

43 140.7 104.3 156.5

57 747.5 560.7 841.1

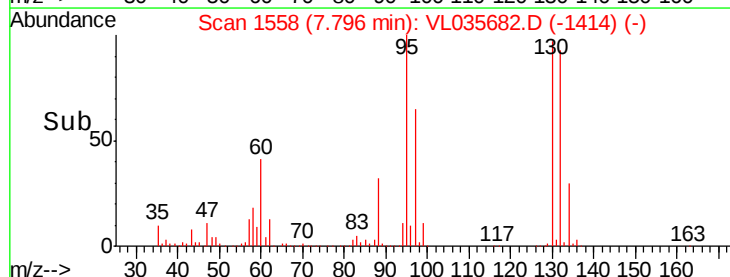
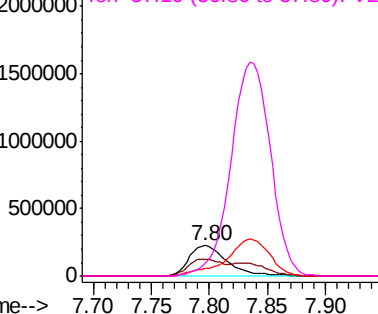


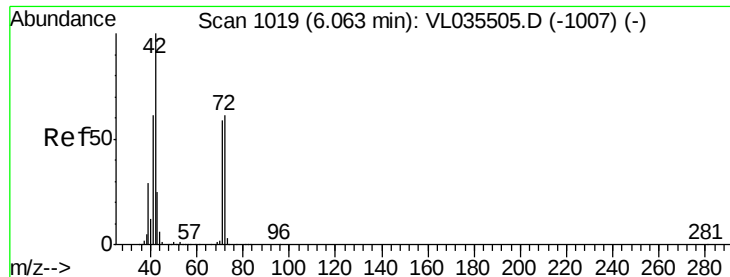
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.879 ppbv

RT: 6.02 min Scan# 1004

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

BFB

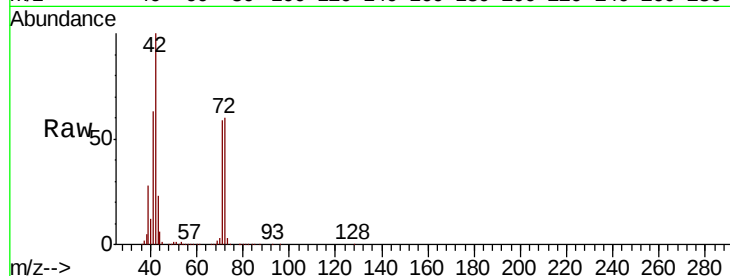
Tot Ion: 42 Resp: 750292

Ion Ratio Lower Upper

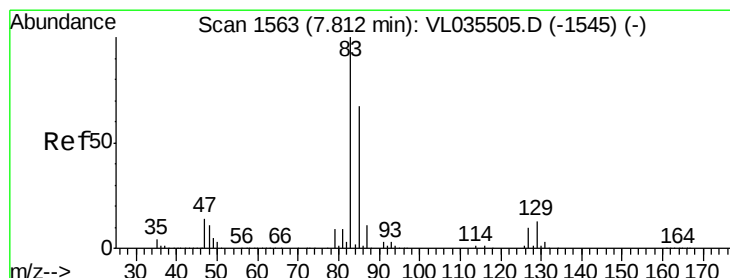
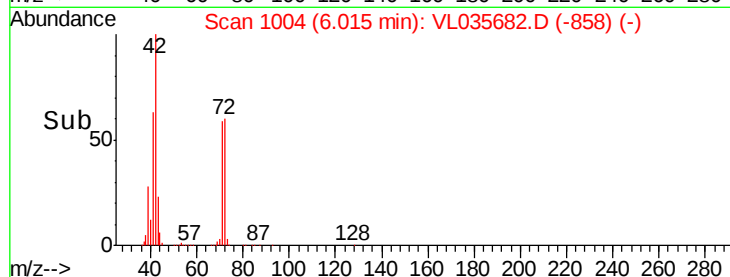
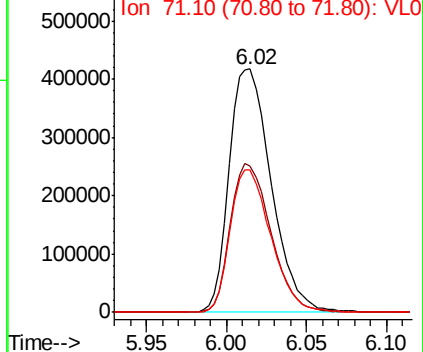
42 100

72 58.9 48.6 73.0

71 56.8 46.1 69.1



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: 11.850 ppbv

RT: 7.76 min Scan# 1546

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

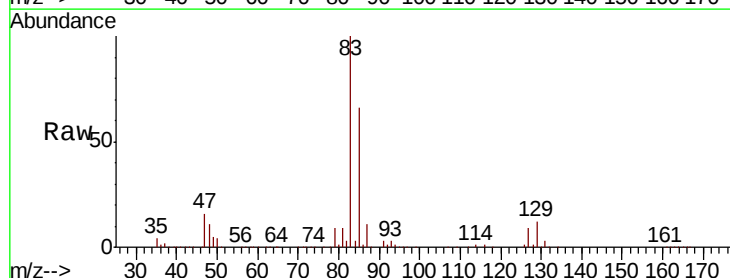
Tgt Ion: 83 Resp: 2373608

Ion Ratio Lower Upper

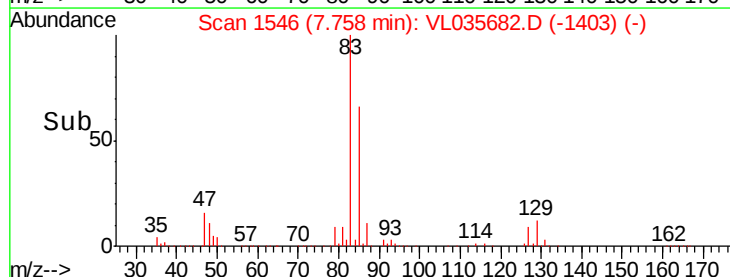
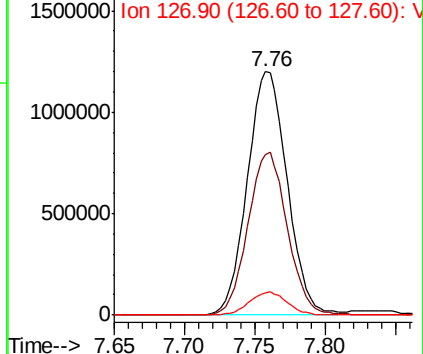
83 100

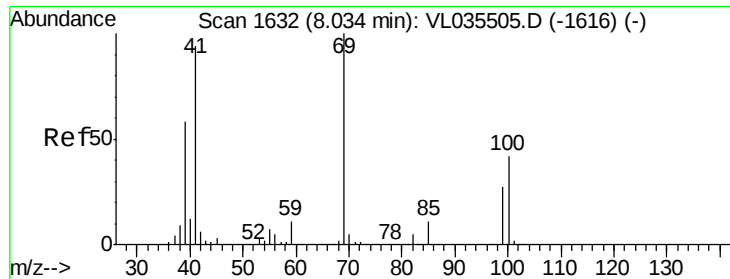
85 65.8 53.7 80.5

127 9.4 8.1 12.1



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

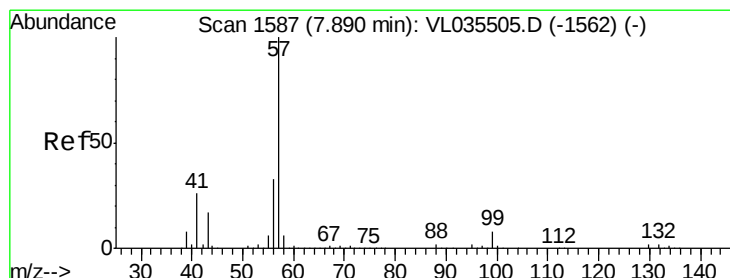
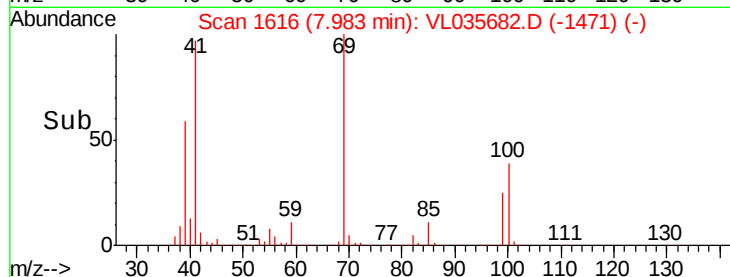
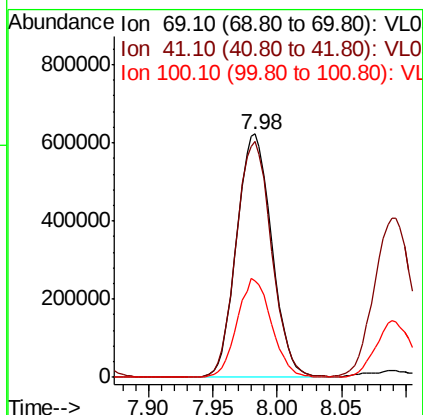
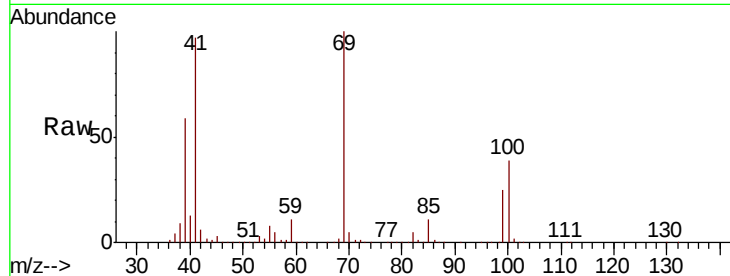




#43
Methyl Methacrylate
Concen: 11.775 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.03 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

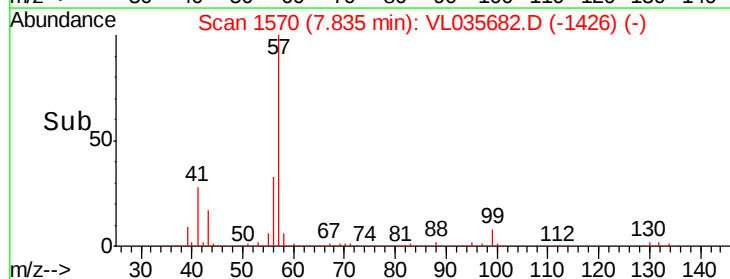
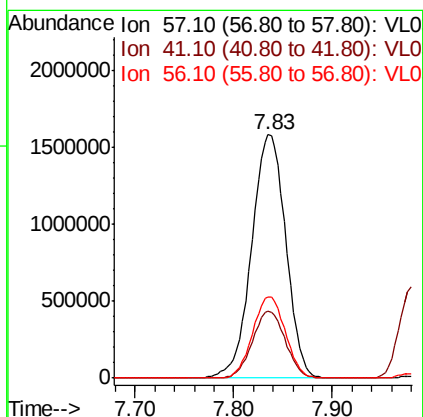
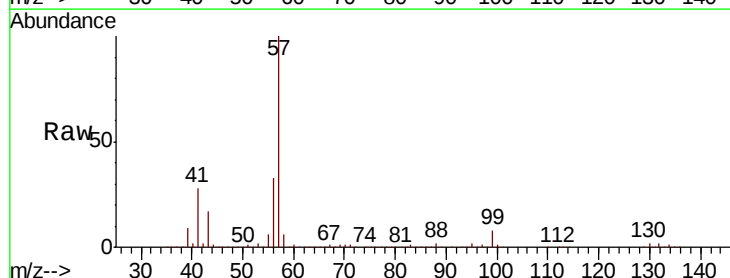
Instrument :
MSVOA_L
ClientSampleId :
BFB

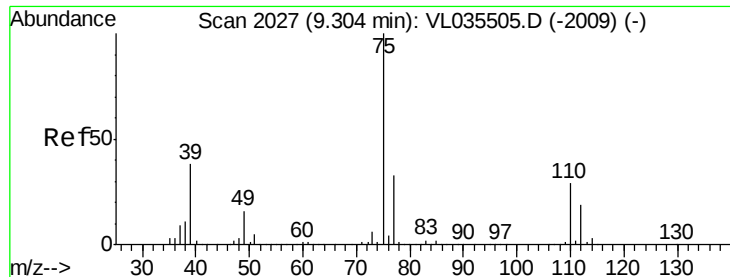
Tot Ion: 69 Resp: 1182899
Ion Ratio Lower Upper
69 100
41 97.7 76.6 114.8
100 39.5 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 11.064 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 57 Resp: 3781984
Ion Ratio Lower Upper
57 100
41 26.5 20.5 30.7
56 32.0 25.3 37.9

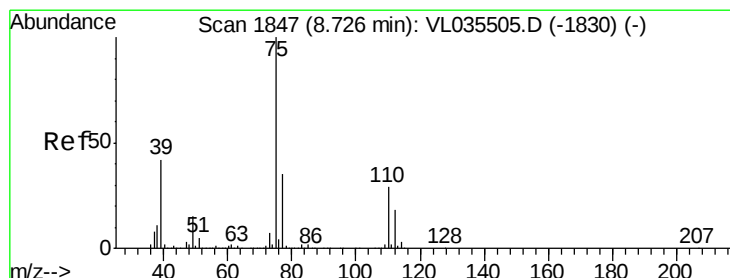
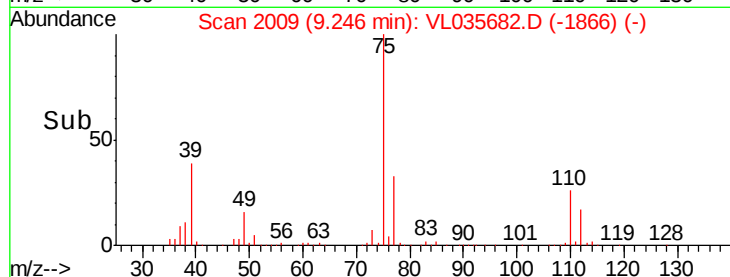
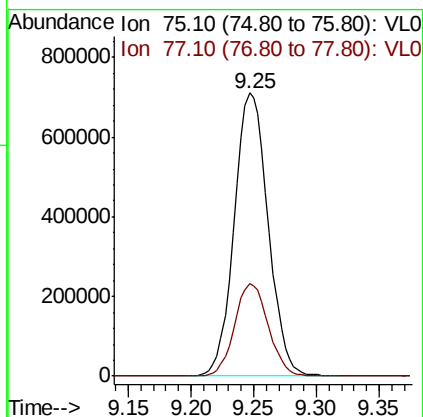
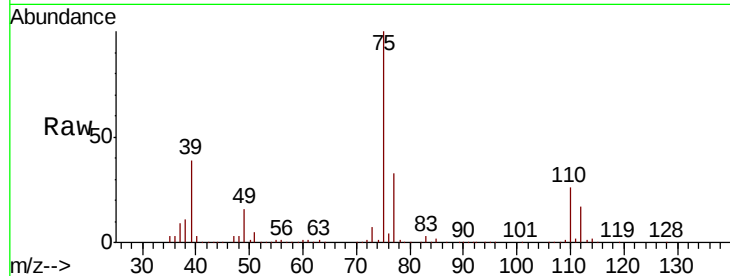




#45
t-1,3-Dichloropropene
Concen: 13.106 ppbv
RT: 9.25 min Scan# 2009
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

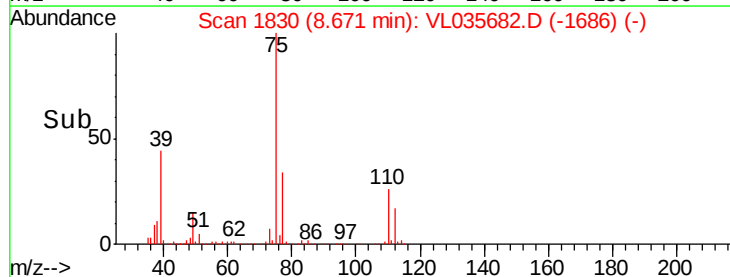
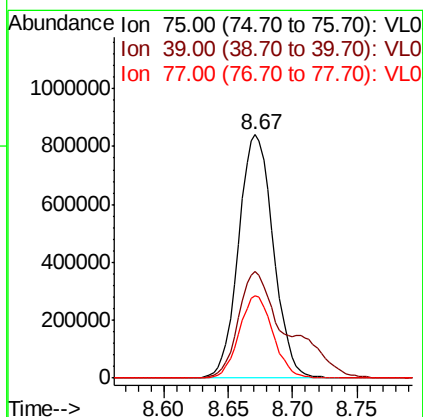
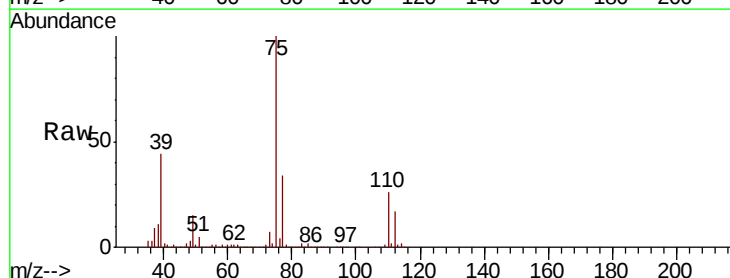
Instrument :
MSVOA_L
ClientSampleId :
BFB

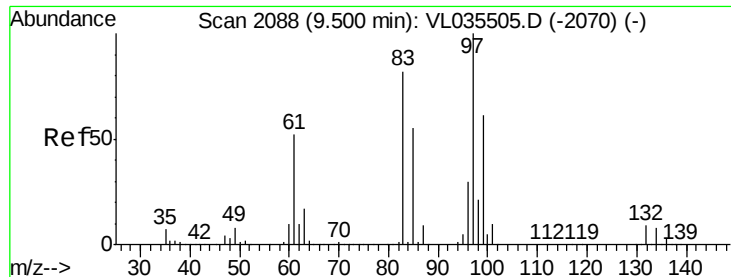
Tot Ion: 75 Resp: 1333730
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 12.494 ppbv
RT: 8.67 min Scan# 1830
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 75 Resp: 1578600
Ion Ratio Lower Upper
75 100
39 43.6 33.7 50.5
77 34.1 27.8 41.6



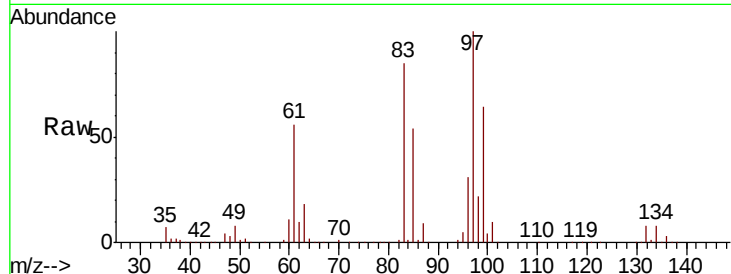


#47
 1,1,2-Trichloroethane
 Concen: 10.749 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

Tot Ion: 97 Resp: 1392041

Ion	Ratio	Lower	Upper
97	100		
83	85.2	65.4	98.2
85	54.1	43.7	65.5
99	64.0	49.1	73.7



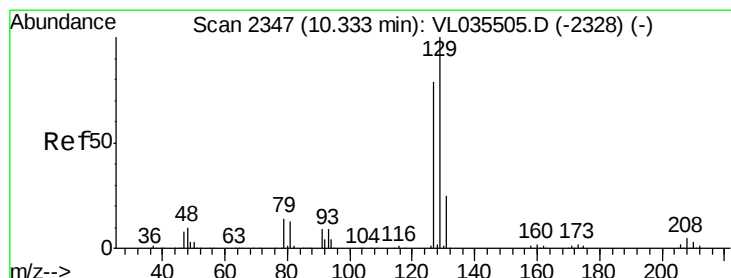
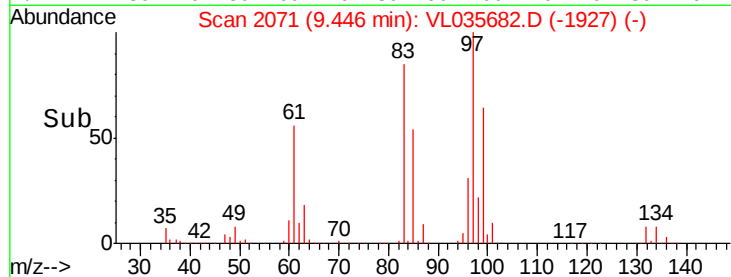
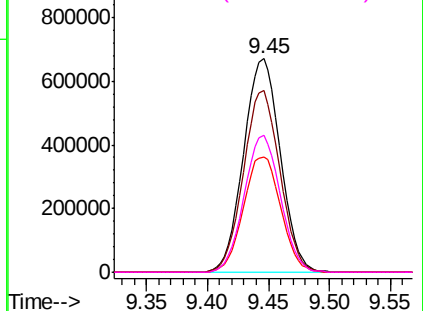
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

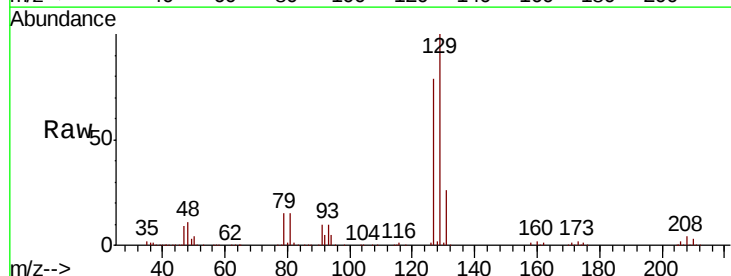
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.576 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 129 Resp: 2359373

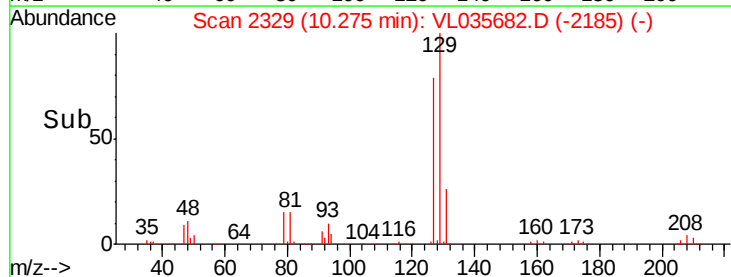
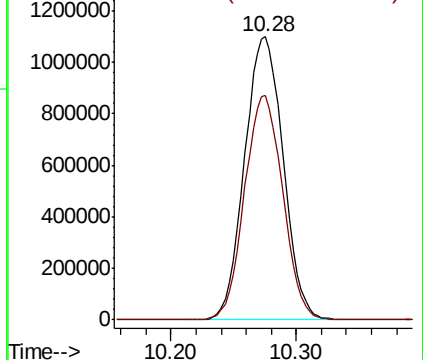
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8

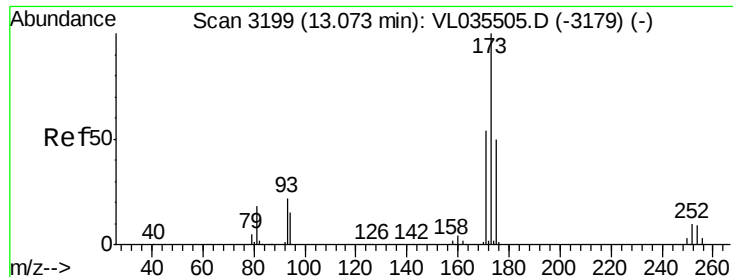


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.431 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

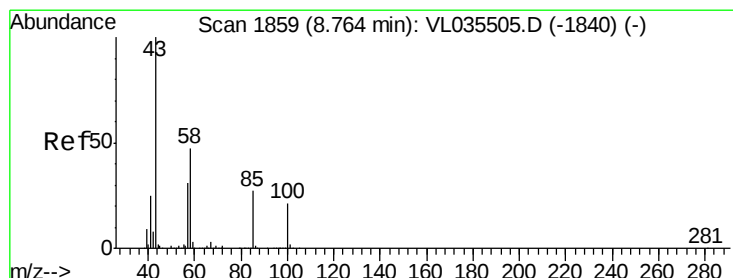
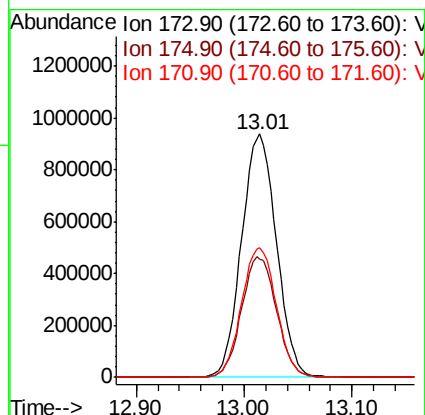
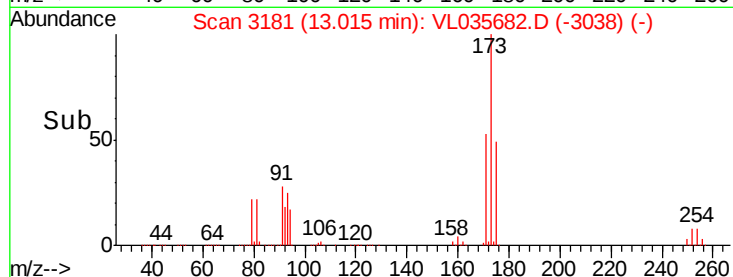
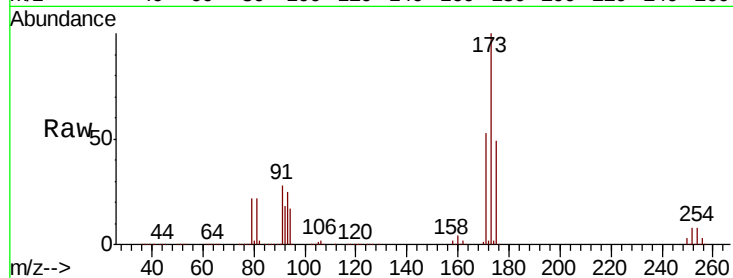
Tot Ion:173 Resp: 2111464

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

171 53.3 42.4 63.6



#50

4-Methyl-2-Pentanone

Concen: 11.651 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VL035682.D

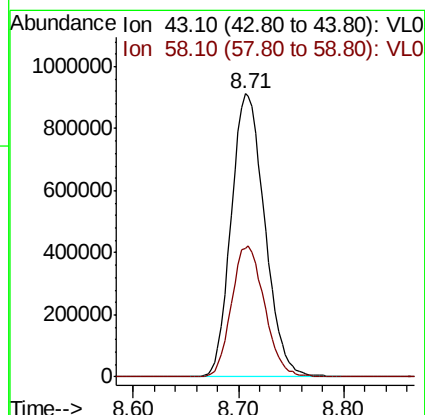
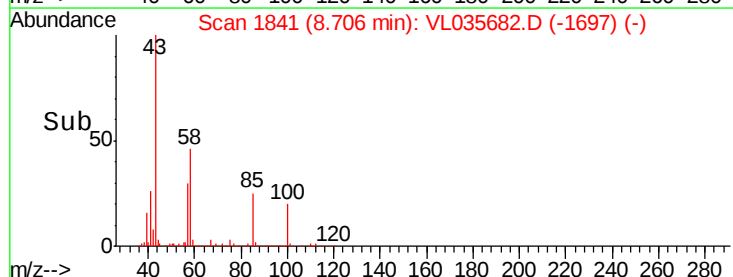
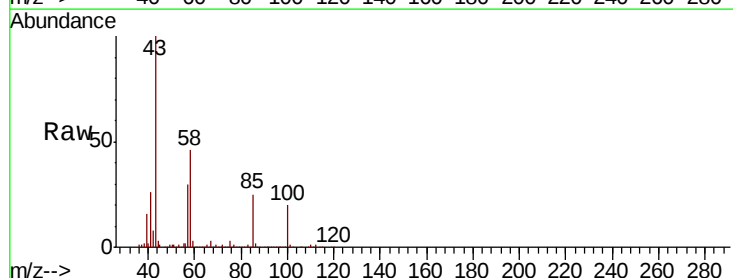
Acq: 21 Sep 2020 10:36

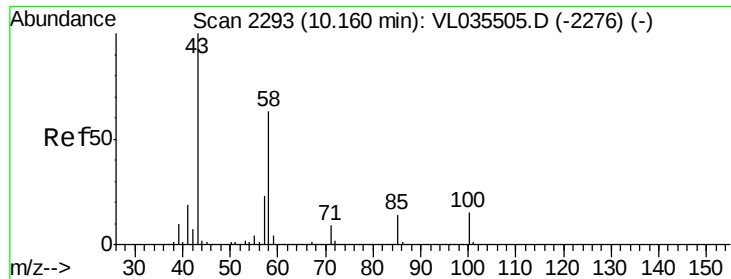
Tgt Ion: 43 Resp: 2009455

Ion Ratio Lower Upper

43 100

58 45.9 37.4 56.0

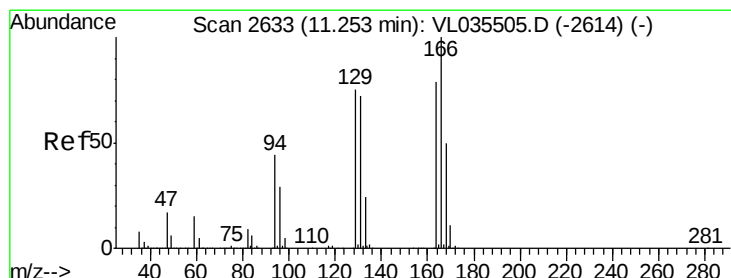
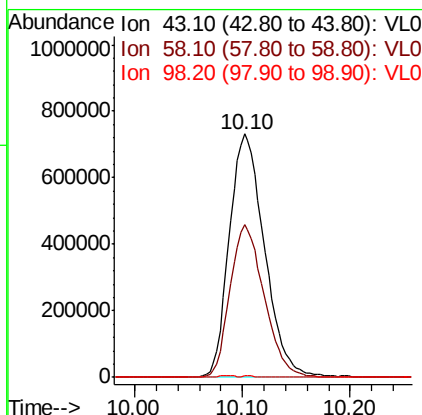
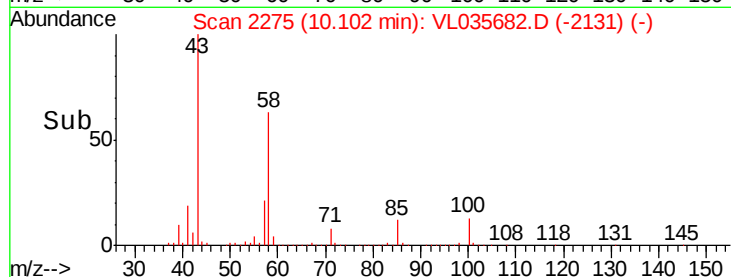
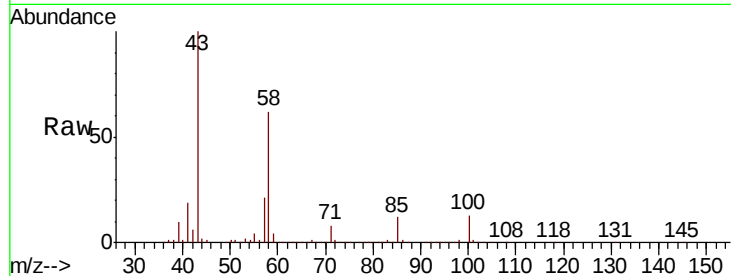




#51
2-Hexanone
Concen: 11.747 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

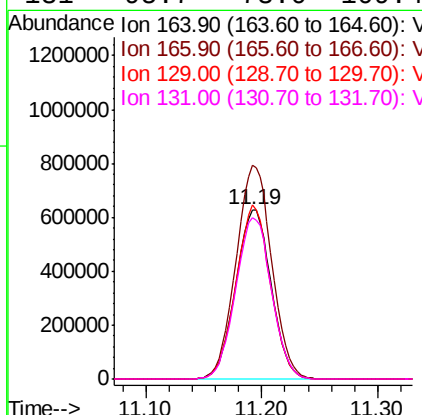
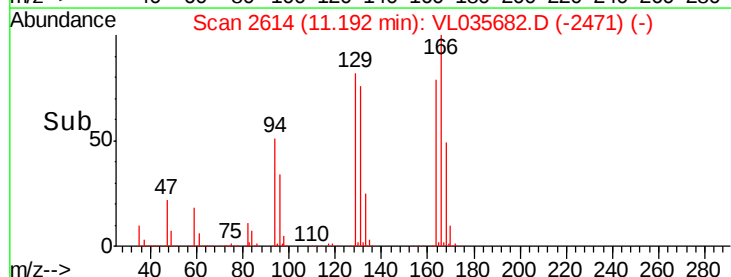
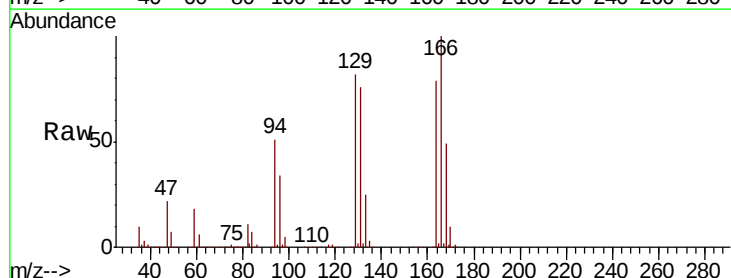
Instrument :
MSVOA_L
ClientSampleId :
BFB

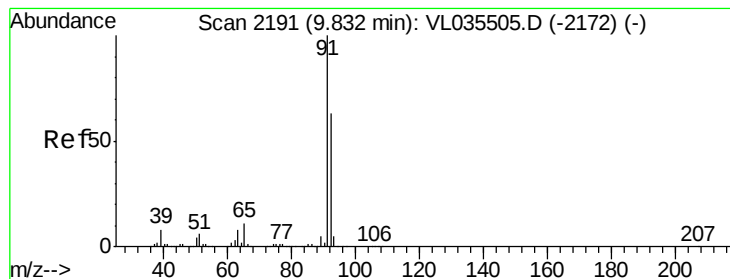
Tot Ion: 43 Resp: 1661983
Ion Ratio Lower Upper
43 100
58 61.1 50.2 75.4
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.781 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 164 Resp: 1332698
Ion Ratio Lower Upper
164 100
166 126.4 100.9 151.3
129 103.2 75.3 112.9
131 95.7 73.0 109.4





#53

Toluene

Concen: 10.862 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

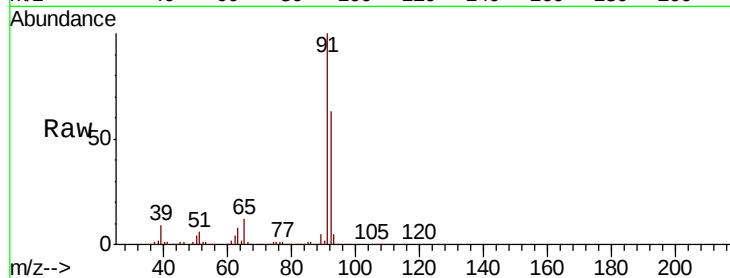
BFB

Tot Ion: 91 Resp: 3548682

Ion Ratio Lower Upper

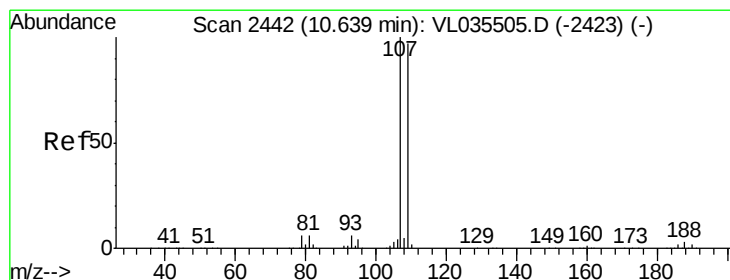
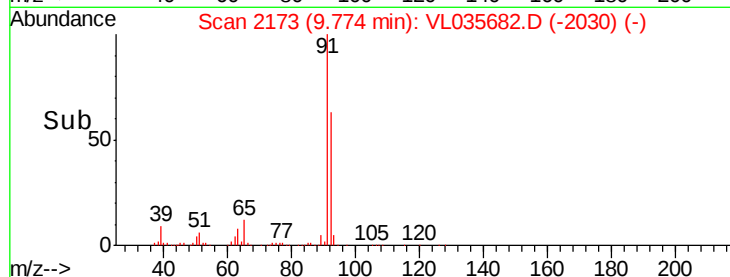
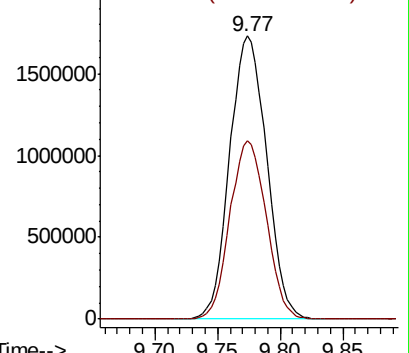
91 100

92 62.2 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

2000000 Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.645 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035682.D

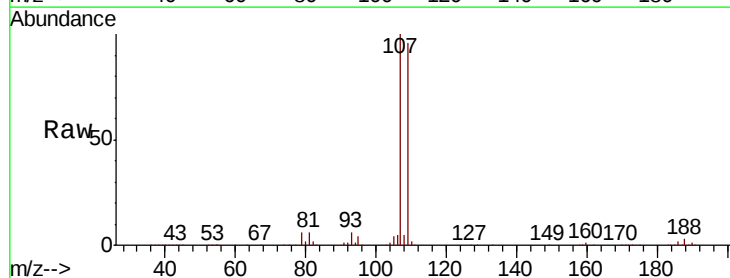
Acq: 21 Sep 2020 10:36

Tgt Ion: 107 Resp: 2178168

Ion Ratio Lower Upper

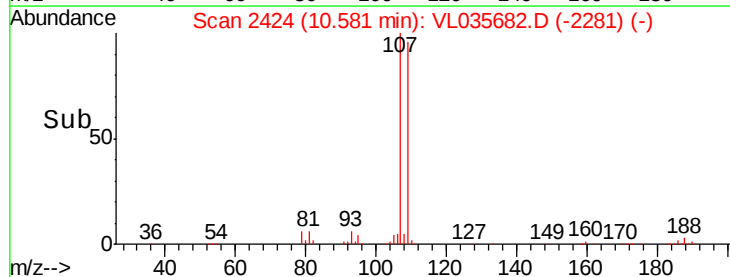
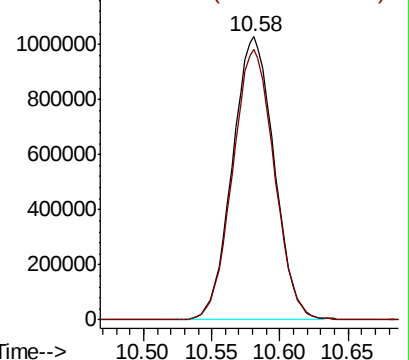
107 100

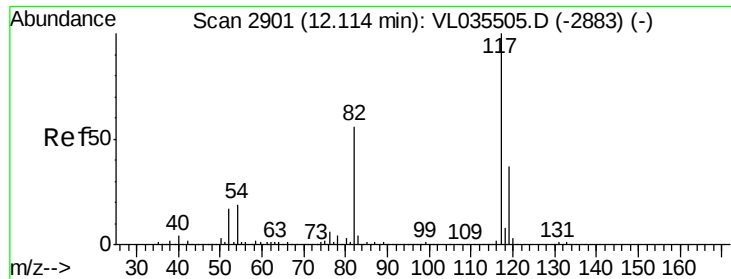
109 95.7 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

1200000 Ion 109.00 (108.70 to 109.70): V

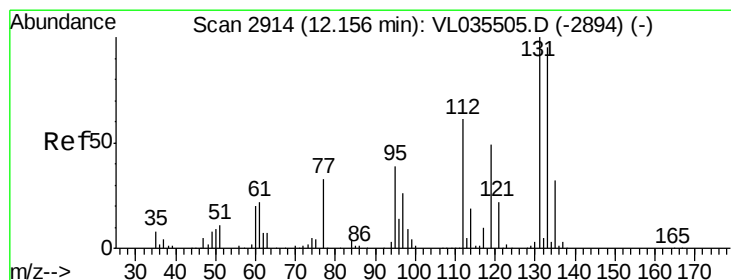
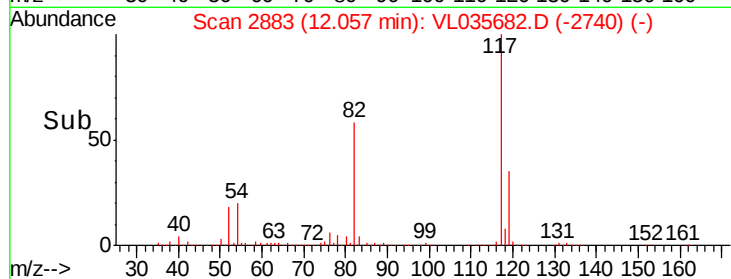
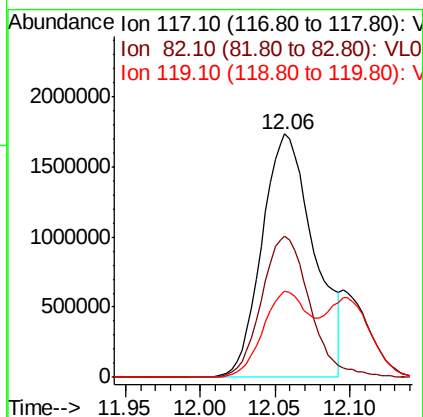
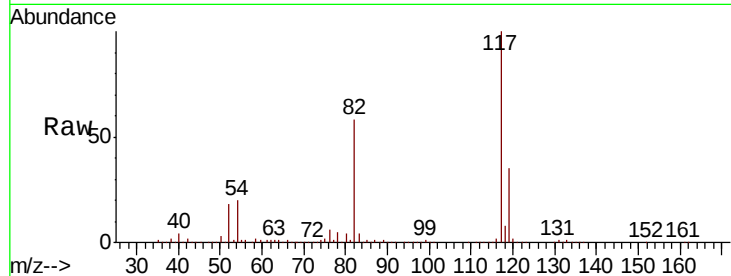




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

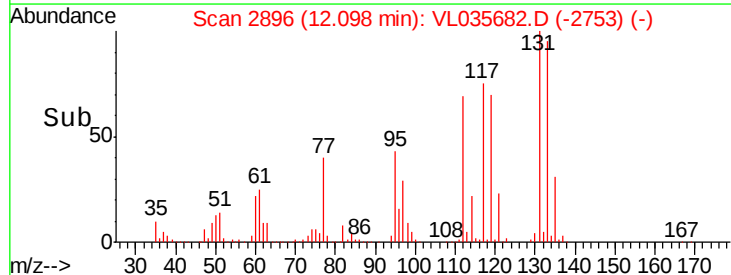
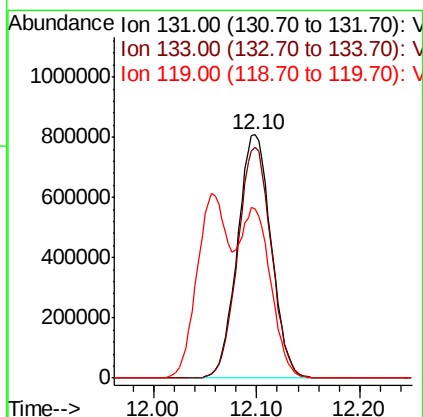
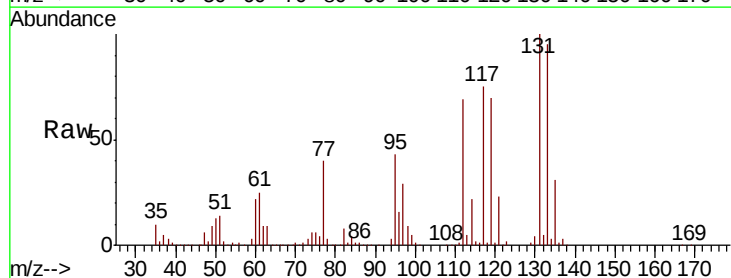
Instrument :
MSVOA_L
ClientSampled :
BFB

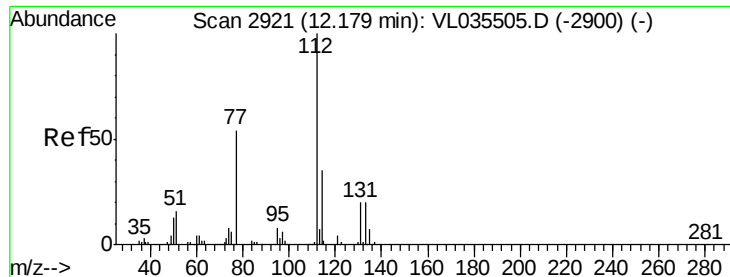
Tot Ion:117 Resp: 4180232
Ion Ratio Lower Upper
117 100
82 54.2 41.6 62.4
119 34.4 29.3 43.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.810 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion:131 Resp: 1838716
Ion Ratio Lower Upper
131 100
133 94.9 76.6 115.0
119 58.2 51.6 77.4





#57

Chlorobenzene

Concen: 9.774 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

BFB

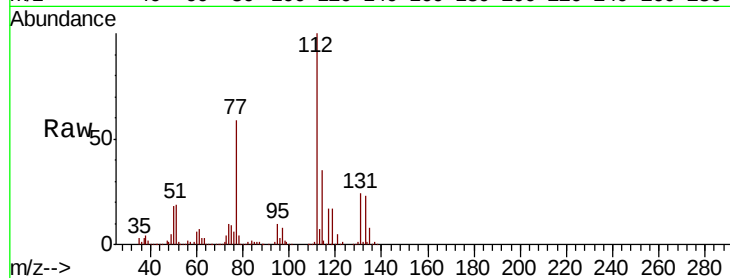
Tot Ion:112 Resp: 3006975

Ion Ratio Lower Upper

112 100

77 58.7 44.2 66.4

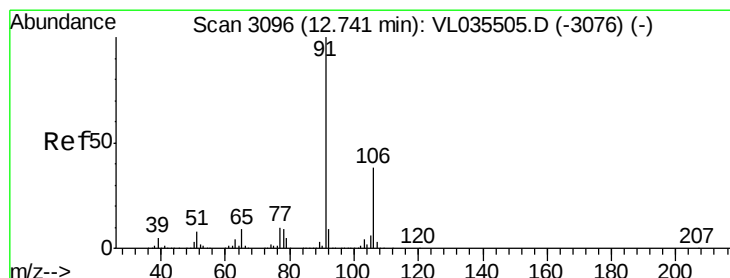
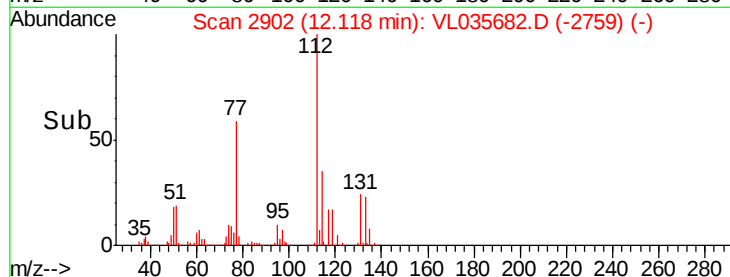
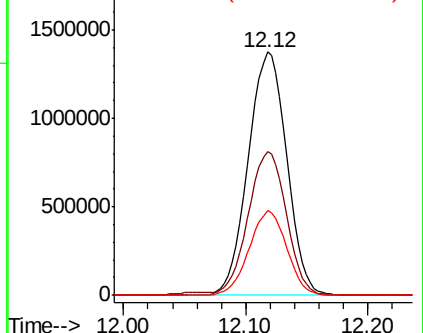
114 34.8 31.6 38.6



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: 10.811 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.04 min

Lab File: VL035682.D

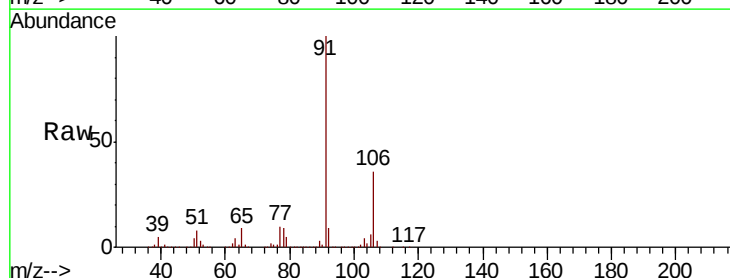
Acq: 21 Sep 2020 10:36

Tgt Ion: 91 Resp: 4660190

Ion Ratio Lower Upper

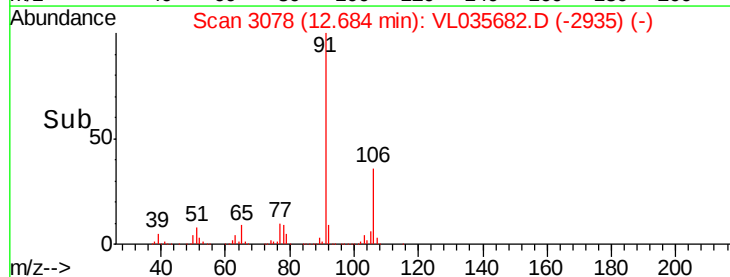
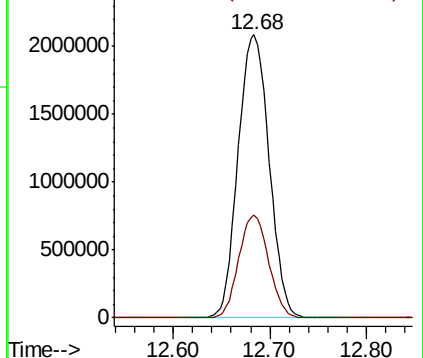
91 100

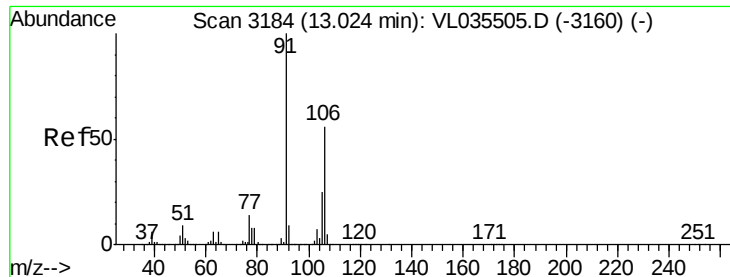
106 36.5 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

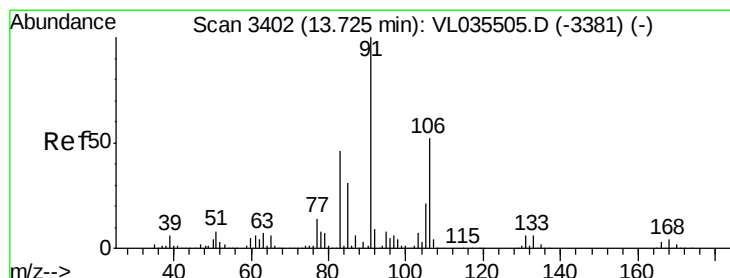
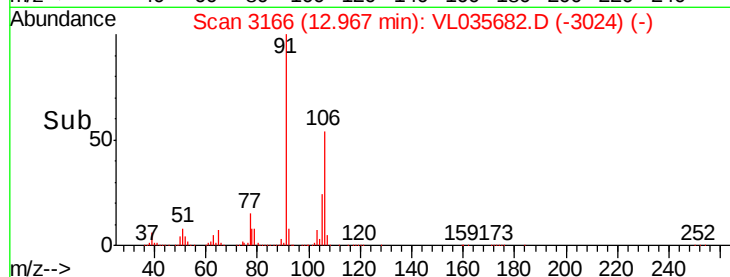
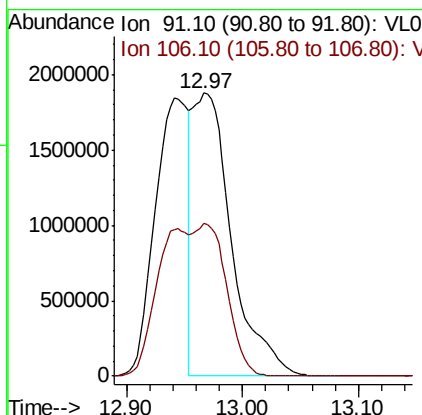
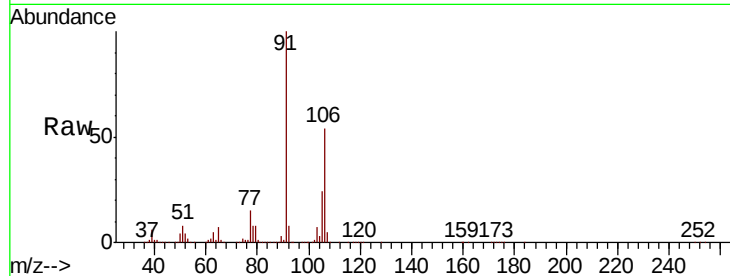




#59
m/p-Xylene
Concen: 12.147 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

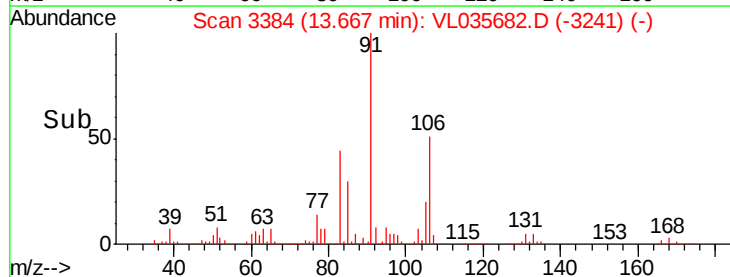
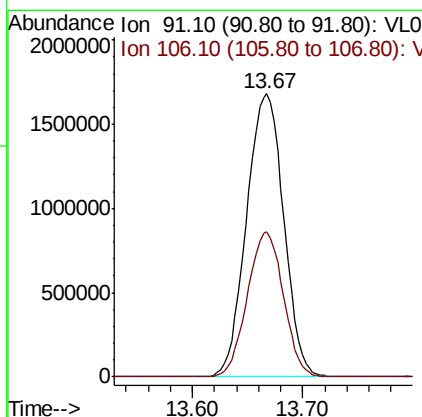
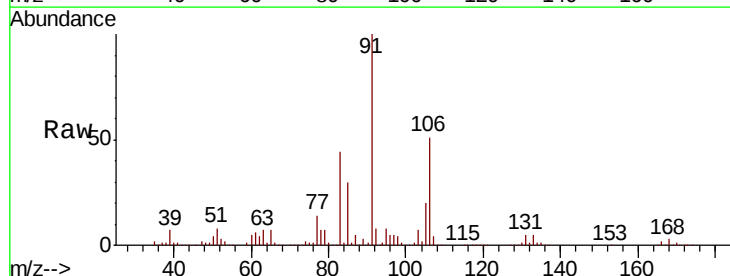
Instrument :
MSVOA_L
ClientSampled :
BFB

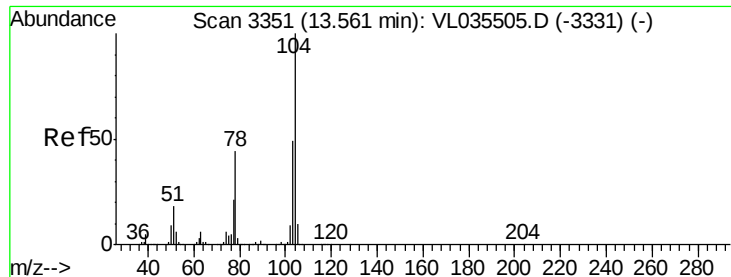
Tot Ion: 91 Resp: 4375463
Ion Ratio Lower Upper
91 100
106 91.1 43.4 65.2#



#60
o-Xylene
Concen: 10.818 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035682.D
Acq: 21 Sep 2020 10:36

Tgt Ion: 91 Resp: 3924439
Ion Ratio Lower Upper
91 100
106 49.8 25.8 77.4





#61

Stvrene

Concen: 10.967 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

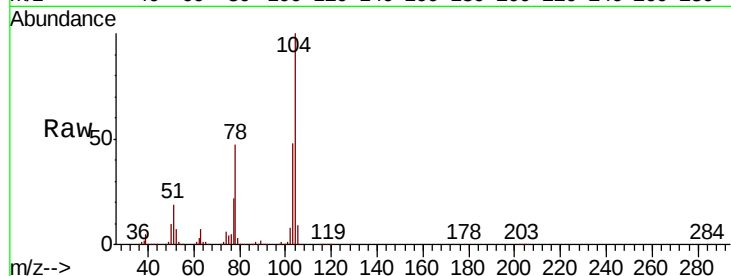
Tot Ion:104 Resp: 3042762

Ion Ratio Lower Upper

104 100

78 46.1 34.8 52.2

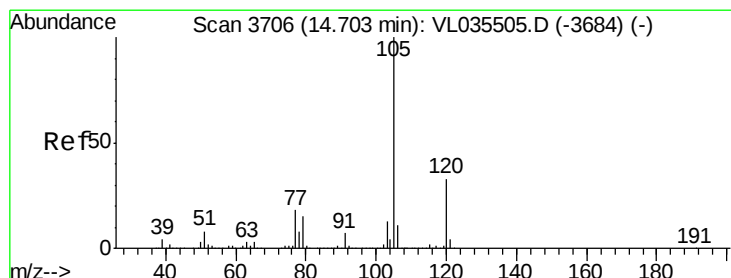
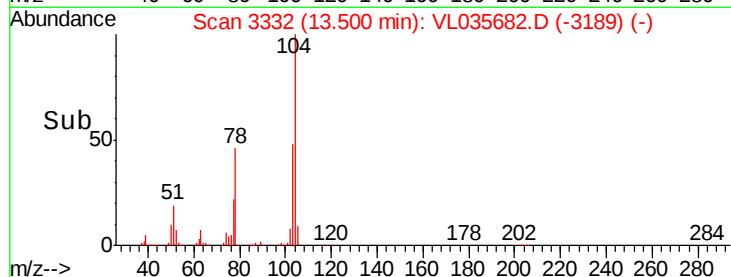
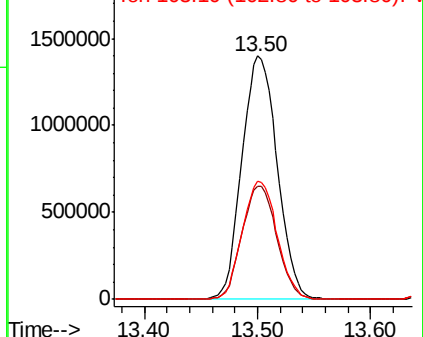
103 47.9 38.2 57.4



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: 10.169 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.04 min

Lab File: VL035682.D

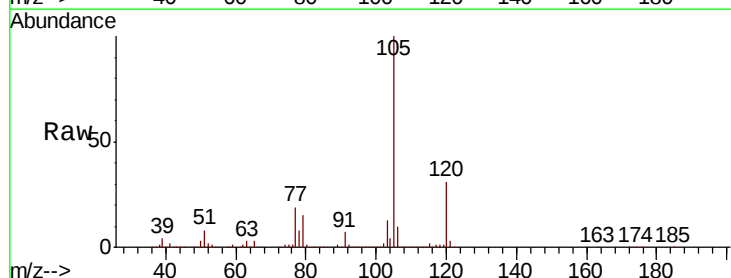
Acq: 21 Sep 2020 10:36

Tgt Ion:105 Resp: 5926194

Ion Ratio Lower Upper

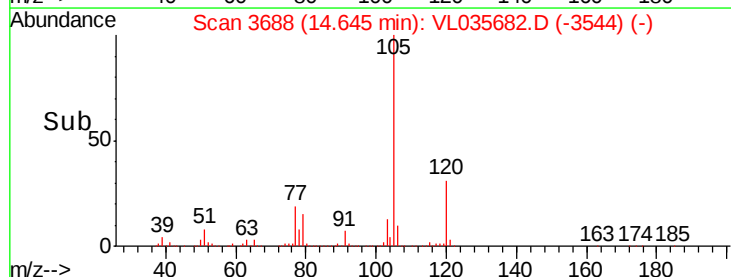
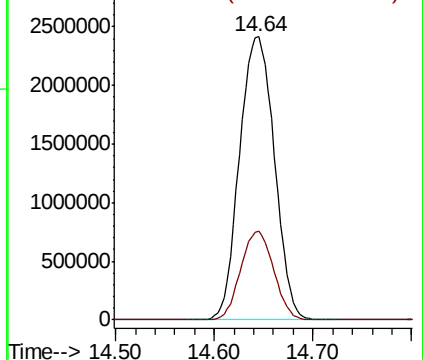
105 100

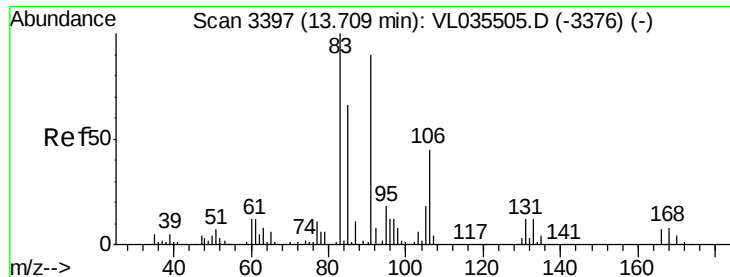
120 29.5 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

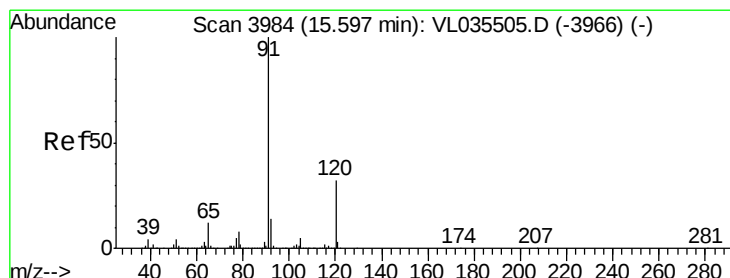
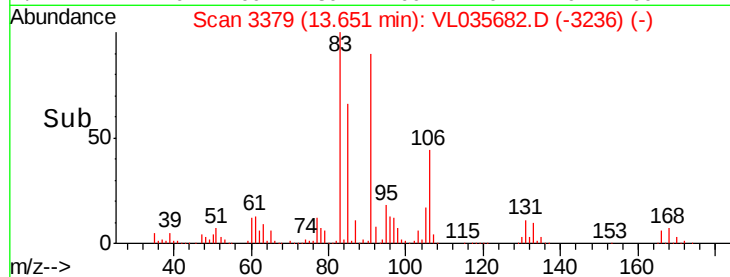
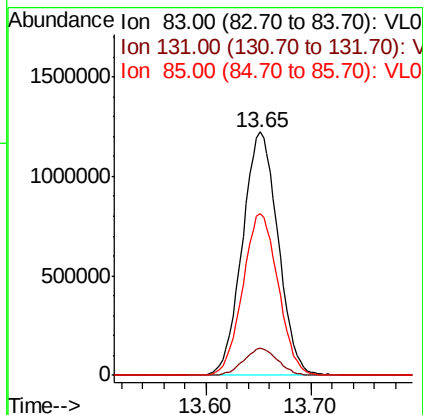
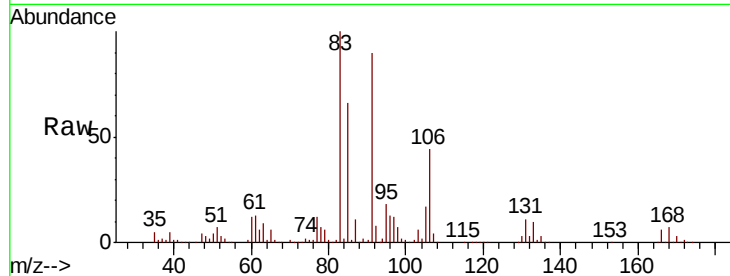




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.221 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

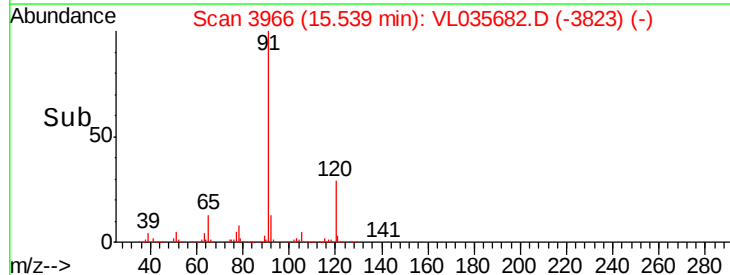
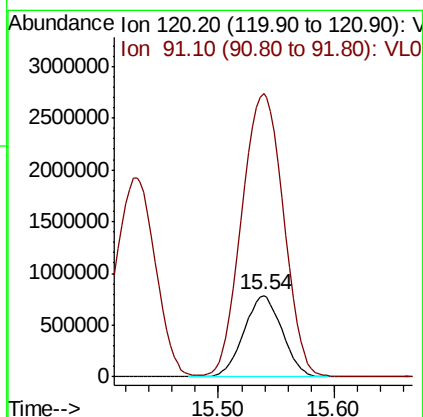
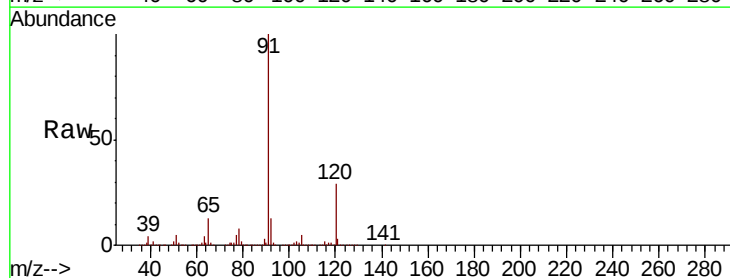
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

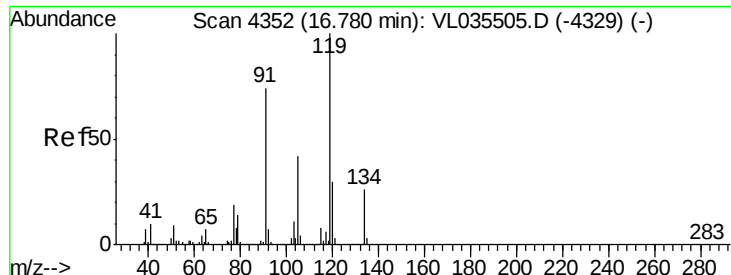
Tot Ion: 83 Resp: 2874637
 Ion Ratio Lower Upper
 83 100
 131 10.7 6.0 18.0
 85 66.2 33.4 100.2



#64
 n-propylbenzene
 Concen: 10.101 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion:120 Resp: 1796382
 Ion Ratio Lower Upper
 120 100
 91 382.0 279.4 419.0





#65

tert-Butylbenzene

Concen: 10.080 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

BFB

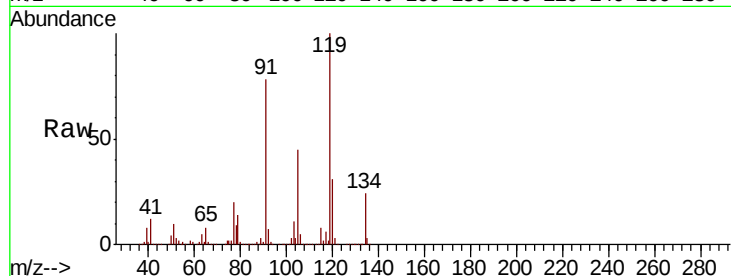
Tot Ion:119 Resp: 5460798

Ion Ratio Lower Upper

119 100

91 77.8 58.6 87.8

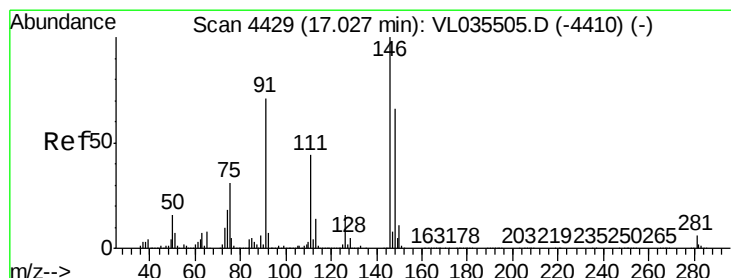
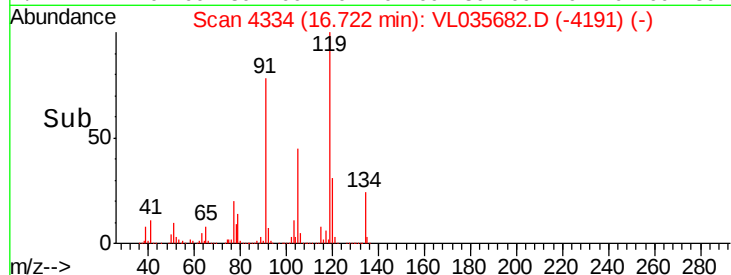
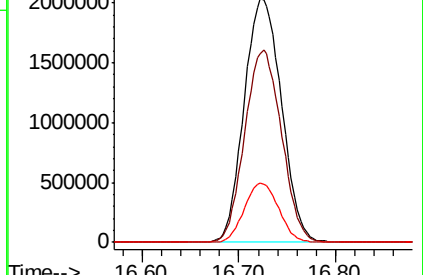
134 22.4 18.9 28.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.151 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

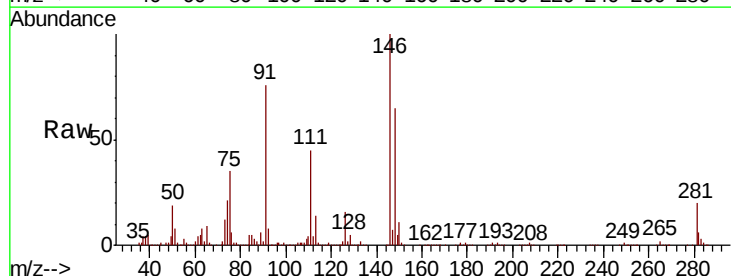
Tgt Ion: 91 Resp: 1905141

Ion Ratio Lower Upper

91 100

126 19.4 17.2 25.8

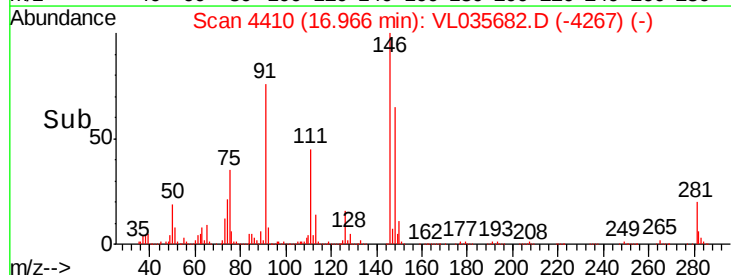
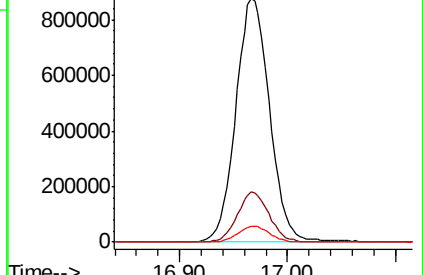
128 6.2 5.5 8.3

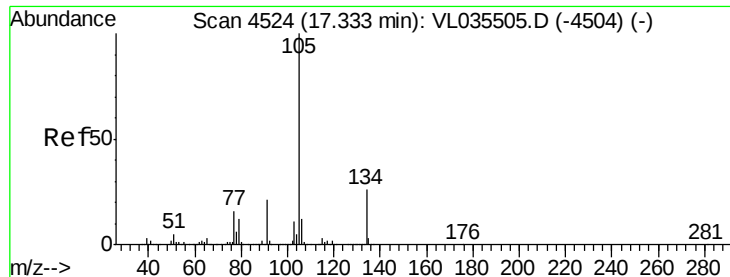


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.194 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

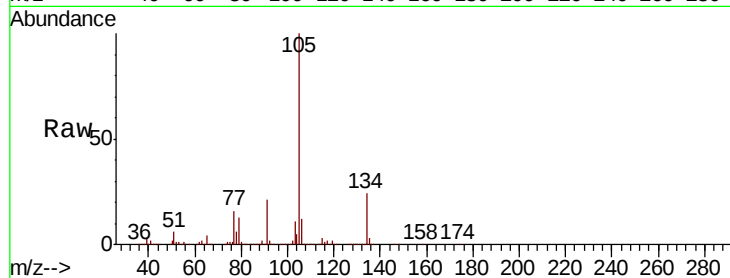
BFB

Tot Ion:105 Resp: 7357576

Ion Ratio Lower Upper

105 100

134 21.5 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

3000000

2500000

2000000

1500000

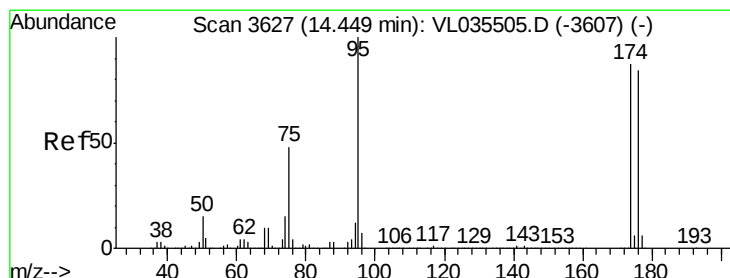
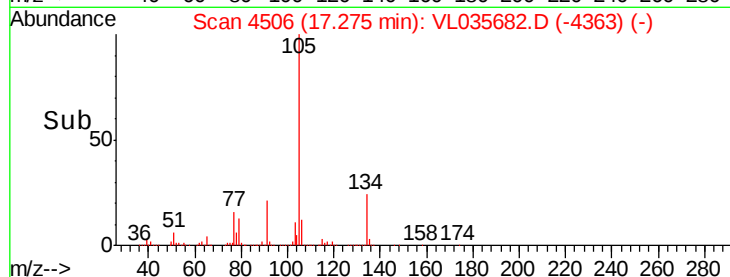
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.867 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

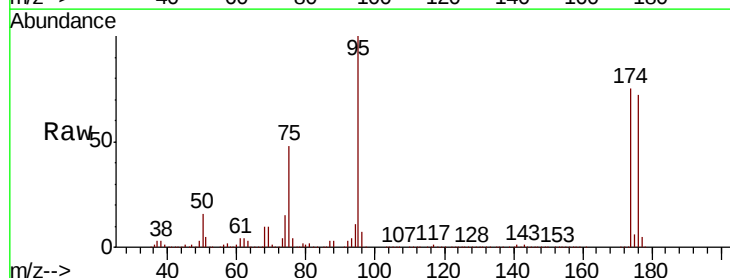
Tgt Ion: 95 Resp: 2928975

Ion Ratio Lower Upper

95 100

174 74.9 69.6 104.4

175 5.4 5.1 7.7



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

14.39

1500000

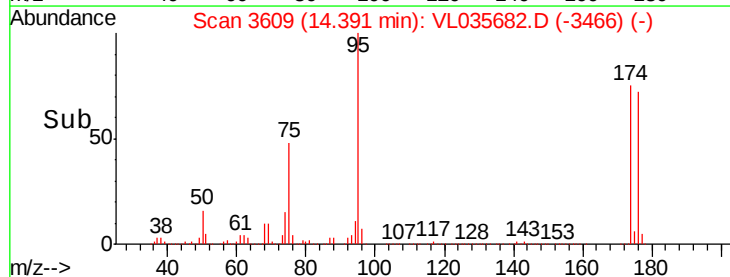
1000000

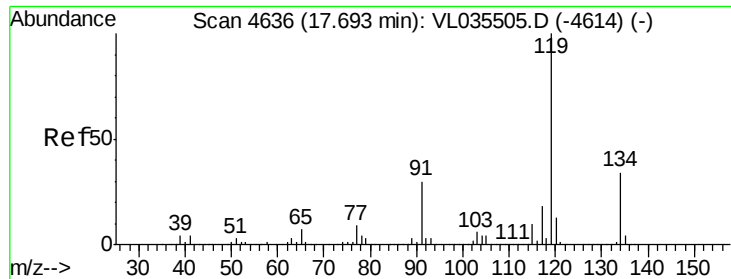
500000

0

Time-->

14.30 14.40 14.50

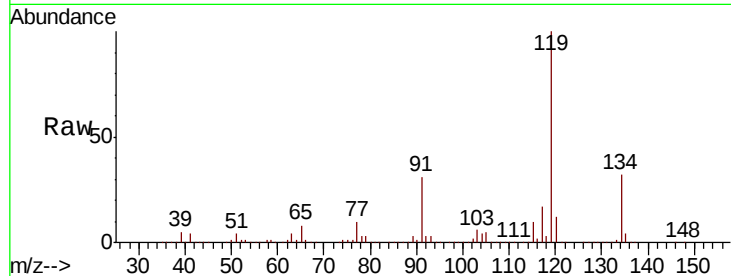




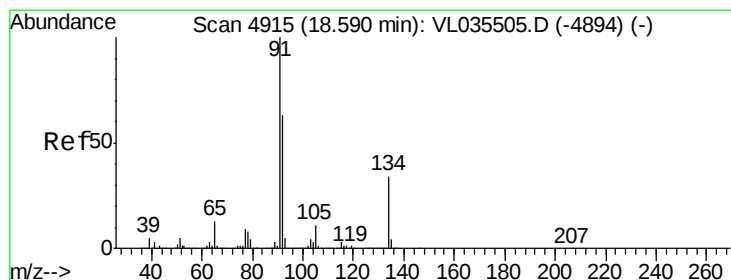
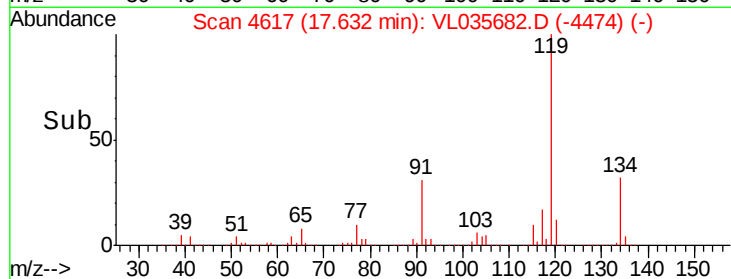
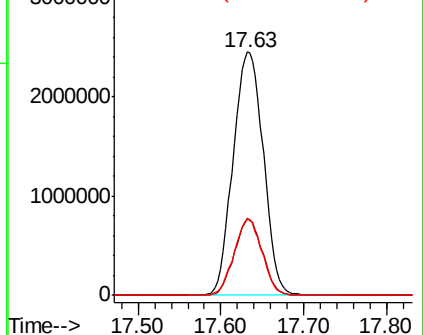
#69
 p-Isopropyltoluene
 Concen: 9.788 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tot Ion:119 Resp: 6196446
 Ion Ratio Lower Upper
 119 100
 134 29.2 25.0 37.4
 91 29.1 22.3 33.5

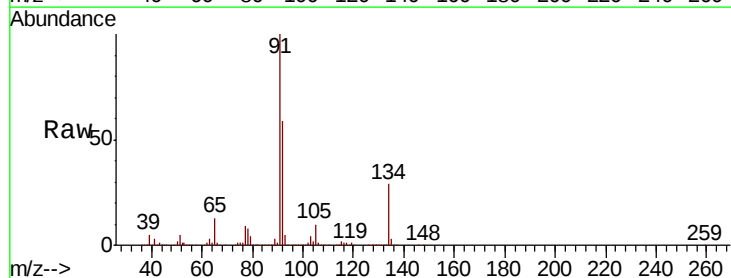


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

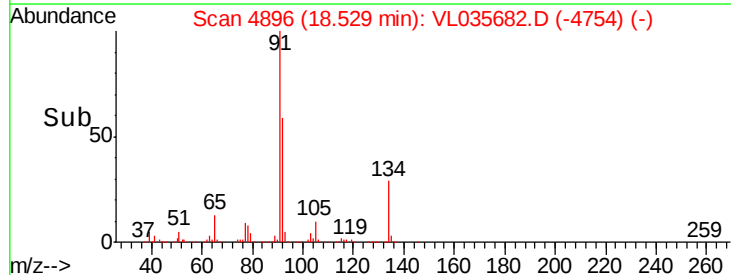
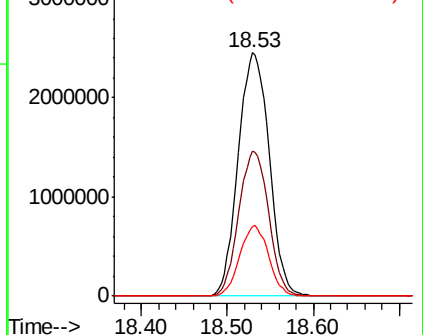


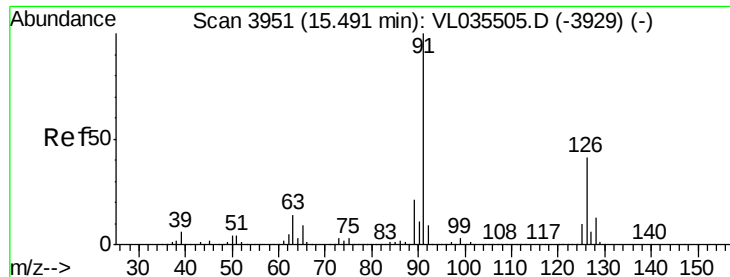
#70
 n-Butylbenzene
 Concen: 10.097 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 91 Resp: 6156930
 Ion Ratio Lower Upper
 91 100
 92 57.6 47.3 70.9
 134 27.1 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

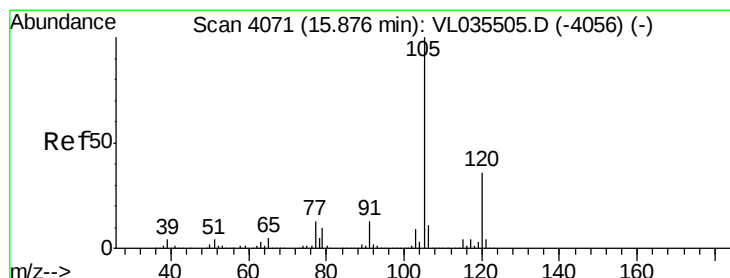
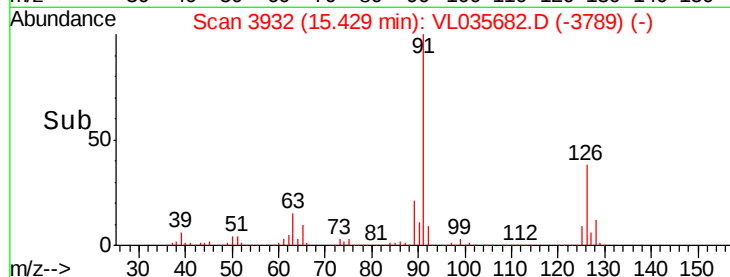
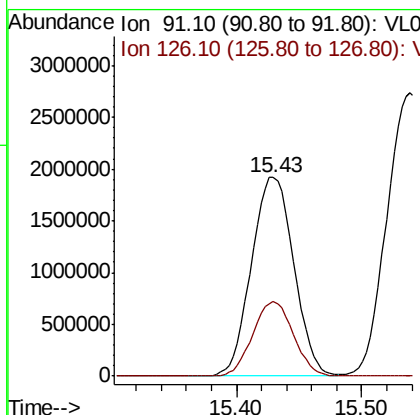
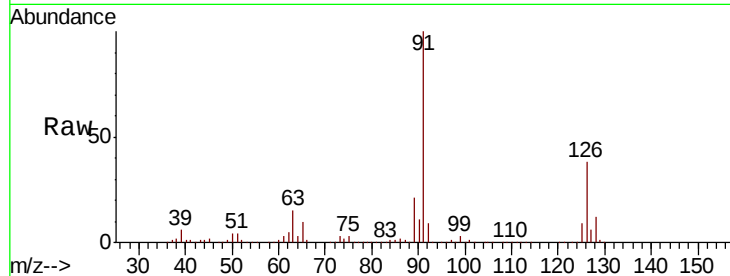




#71
 2-Chlorotoluene
 Concen: 10.658 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

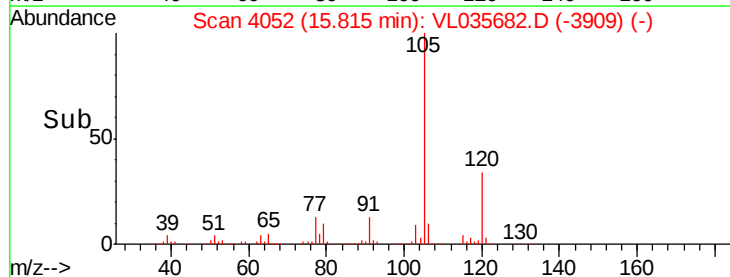
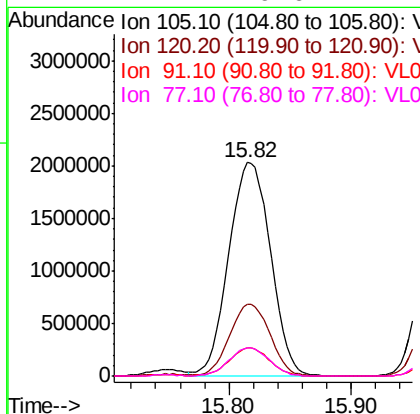
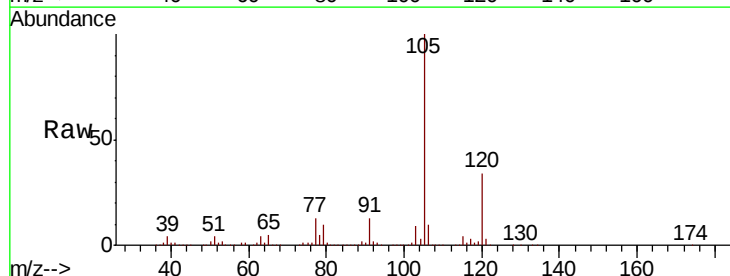
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

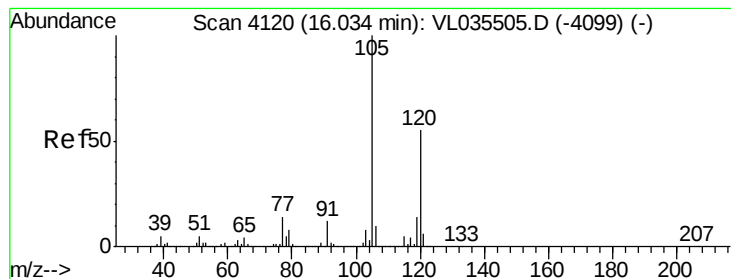
Tot Ion: 91 Resp: 4523141
 Ion Ratio Lower Upper
 91 100
 126 36.0 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 10.480 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion: 105 Resp: 4833360
 Ion Ratio Lower Upper
 105 100
 120 32.5 27.4 41.2
 91 12.5 9.7 14.5
 77 12.7 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 10.534 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

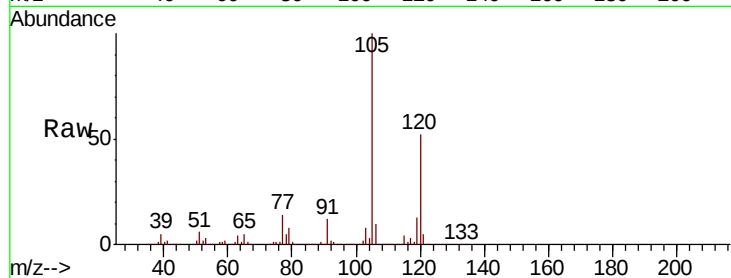
BFB

Tot Ion:105 Resp: 4493770

Ion Ratio Lower Upper

105 100

120 51.8 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

1500000

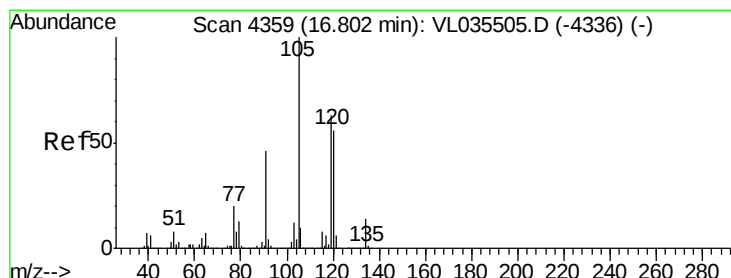
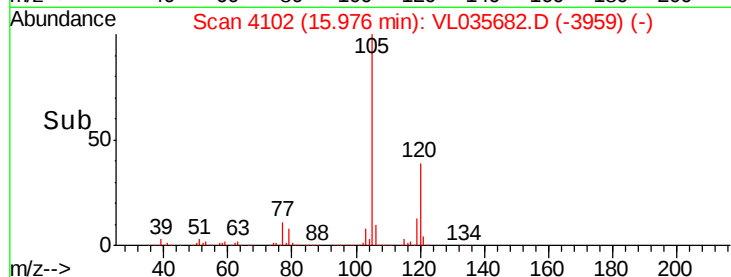
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 10.020 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Tgt Ion:105 Resp: 4693900

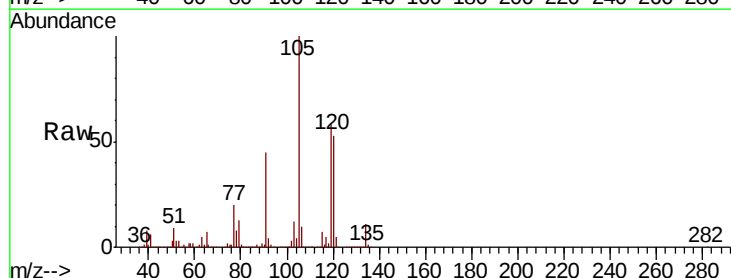
Ion Ratio Lower Upper

105 100

120 52.5 44.4 66.6

91 44.7 37.1 55.7

77 20.2 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

3000000

2500000

2000000

1500000

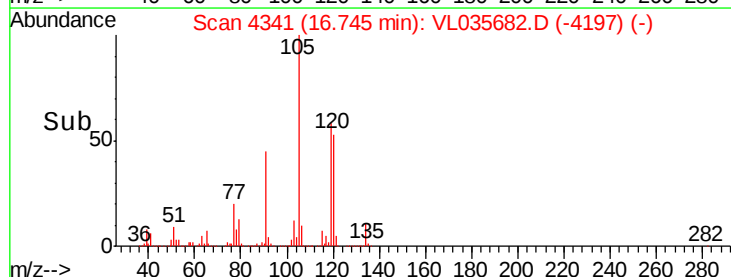
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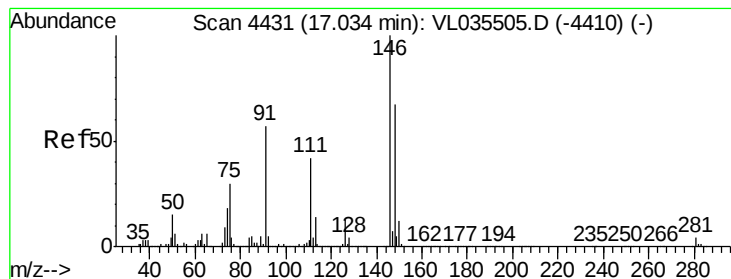
500000

0

Time-->

16.60 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 8.938 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

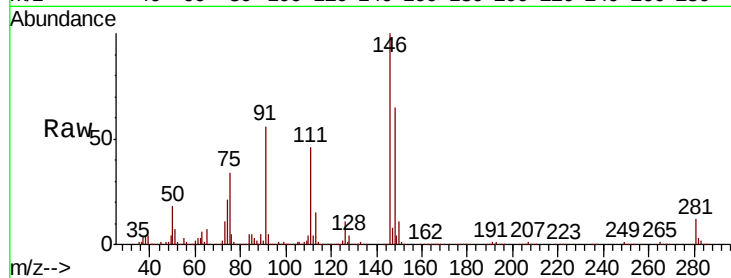
Tot Ion:146 Resp: 3101445

Ion Ratio Lower Upper

146 100

111 44.0 20.7 62.1

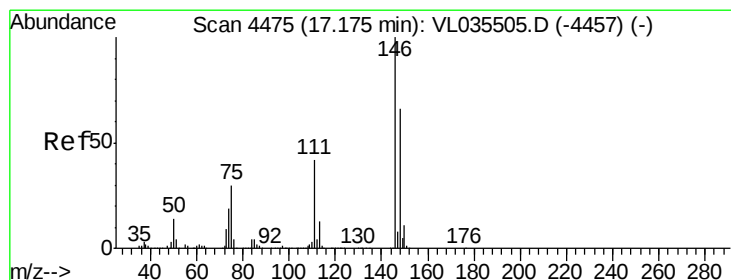
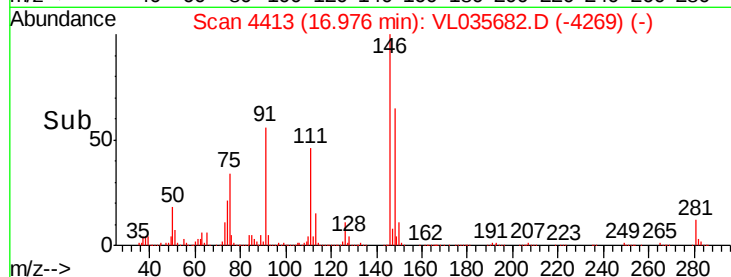
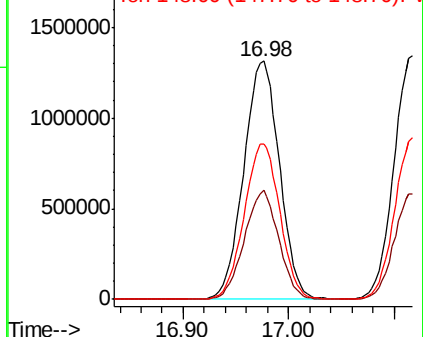
148 65.2 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.106 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. -0.04 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

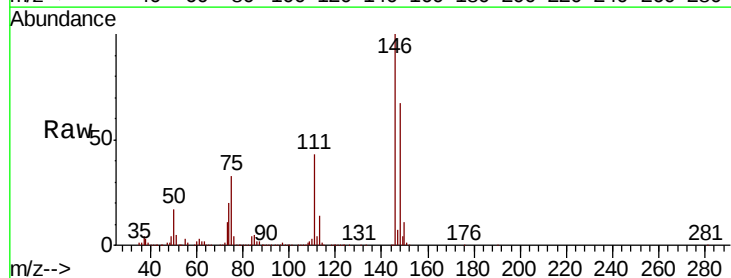
Tgt Ion:146 Resp: 3116326

Ion Ratio Lower Upper

146 100

111 42.6 20.0 60.0

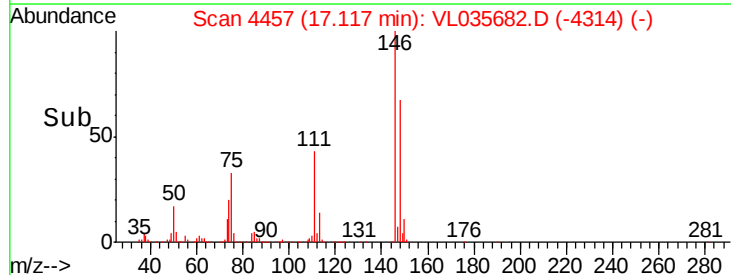
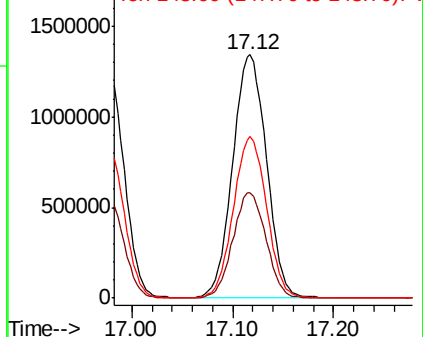
148 65.3 33.2 99.6

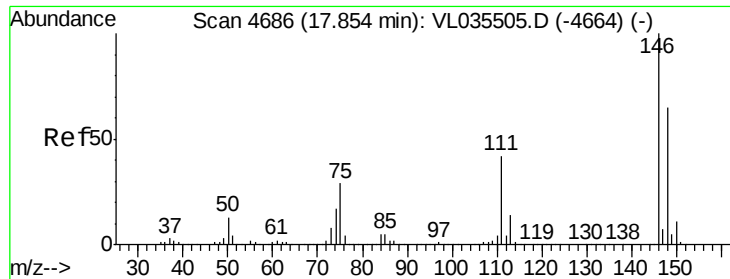


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

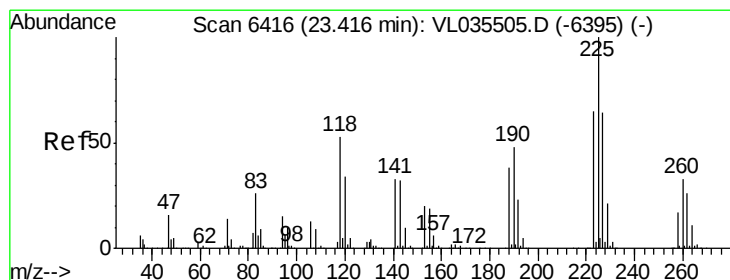
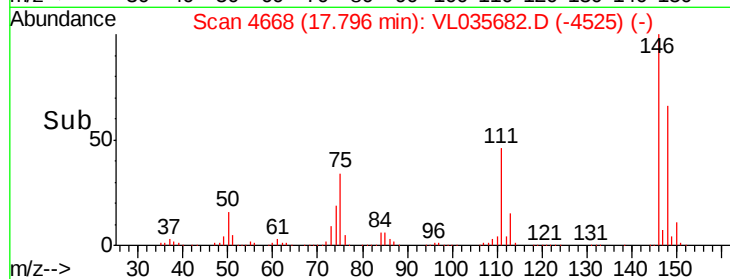
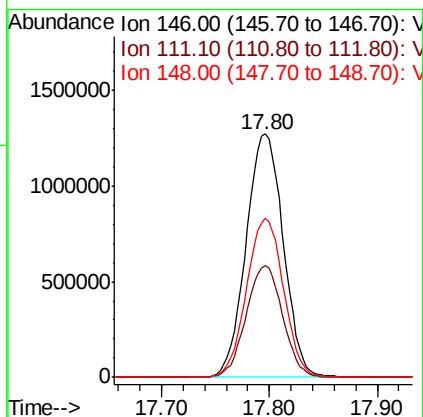
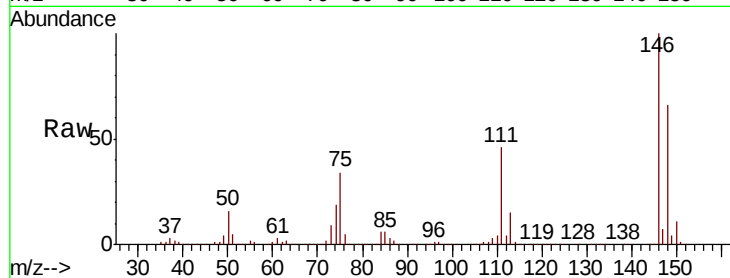




#77
 1,2-Dichlorobenzene
 Concen: 9.062 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

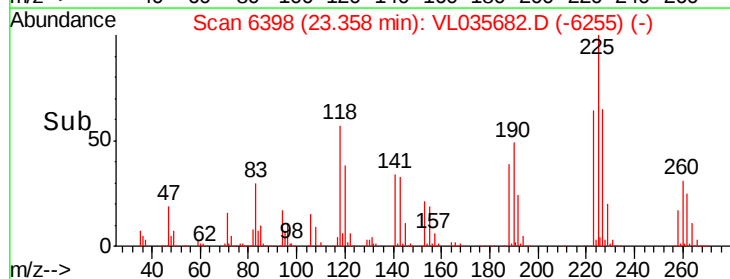
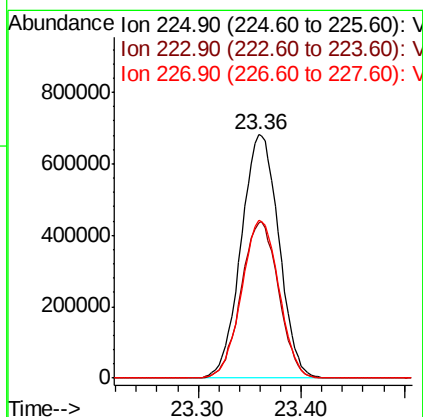
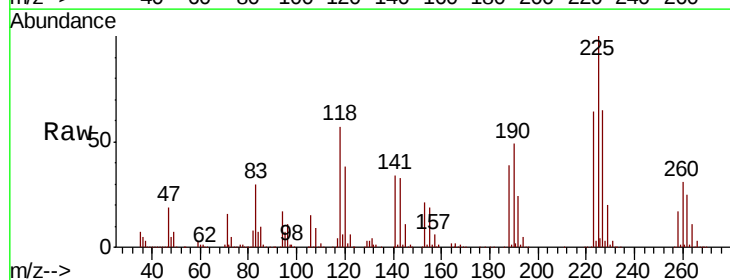
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

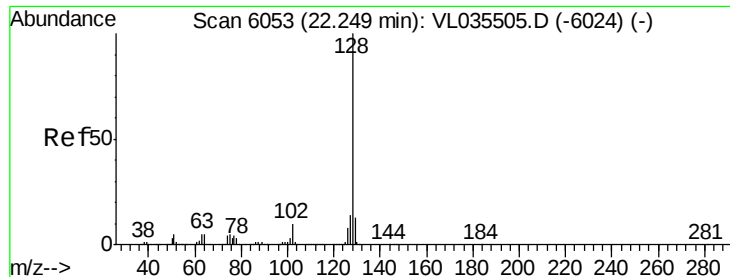
Tot Ion:146 Resp: 3046604
 Ion Ratio Lower Upper
 146 100
 111 45.2 21.1 63.3
 148 65.0 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.073 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.04 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Tgt Ion:225 Resp: 1732779
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.7 77.5
 227 64.1 51.5 77.3





#79

Naphthalene

Concen: 9.108 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.05 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

BFB

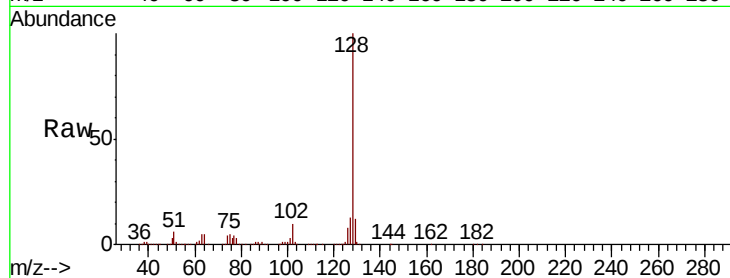
Tot Ion:128 Resp: 4734411

Ion Ratio Lower Upper

128 100

127 13.3 11.4 17.2

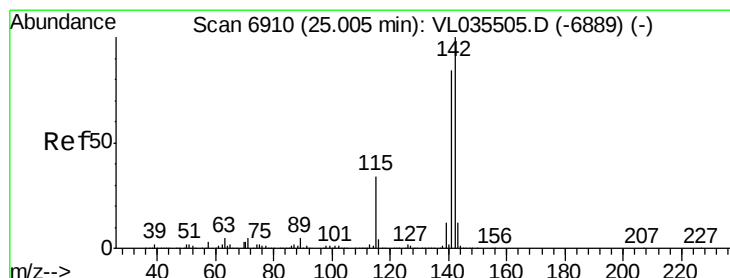
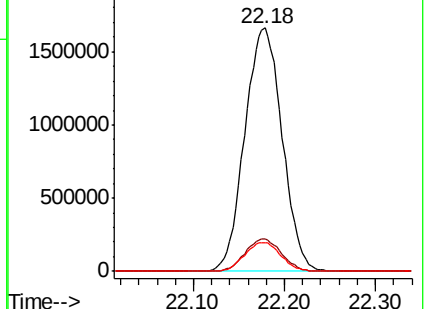
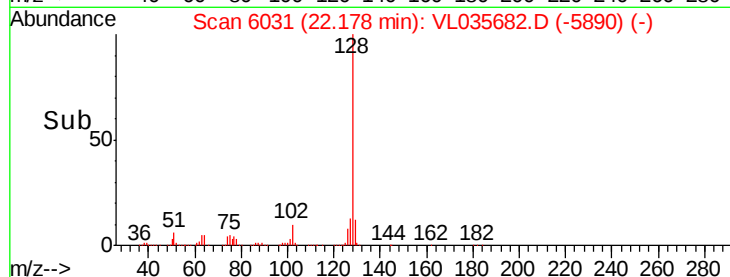
129 11.7 10.5 15.7



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: 7.528 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.03 min

Lab File: VL035682.D

Acq: 21 Sep 2020 10:36

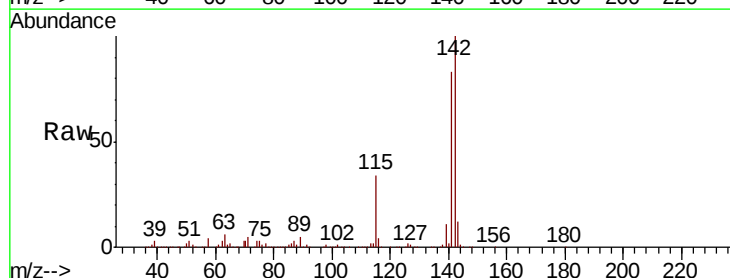
Tgt Ion:142 Resp: 1335643

Ion Ratio Lower Upper

142 100

141 84.2 67.6 101.4

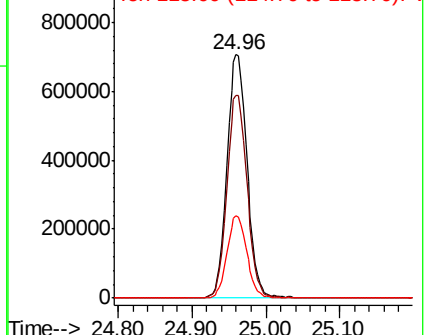
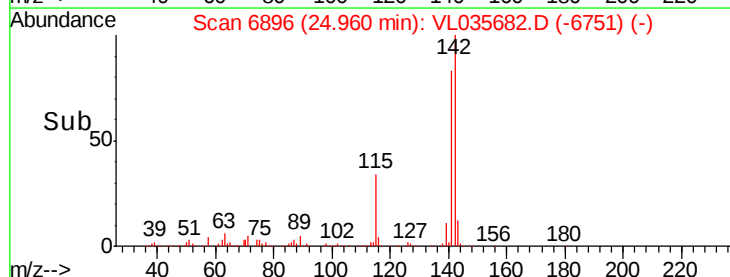
115 33.6 25.8 38.8

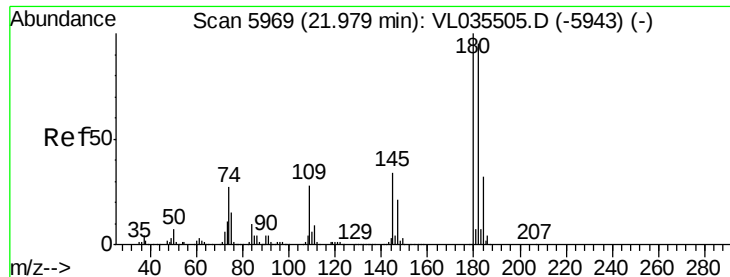


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

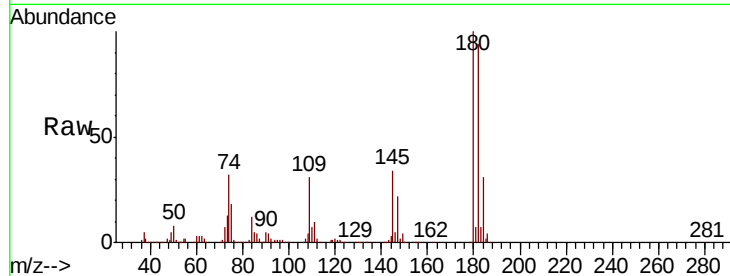




#81
 1,2,4-Trichlorobenzene
 Concen: 8.048 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.05 min
 Lab File: VL035682.D
 Acq: 21 Sep 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tot Ion:180 Resp: 2505056
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 30.9 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V

