

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
 Acq On : 22 Sep 2020 1:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Sep 22 04:17:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 01:39:30 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1039645	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4058429	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4128719	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2988165	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1353982	7.515	ppbv 99
3) Chlorodifluoromethane	2.96	51	1184330	10.300	ppbv 99
4) Chloromethane	3.11	50	639012	10.373	ppbv 99
5) Vinyl Chloride	3.23	62	766478	10.092	ppbv 98
6) Bromomethane	3.45	94	657799	10.312	ppbv 99
7) Chloroethane	3.53	64	280626	10.451	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	2094086	9.597	ppbv 91
9) Propene	2.99	41	451835	10.193	ppbv 100
10) Heptane	8.11	43	1354304	11.375	ppbv 99
11) Trichlorofluoromethane	3.93	101	2606631	9.921	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1975138	9.960	ppbv 93
13) Ethanol	3.58	45	93943	8.547	ppbv 98
14) Bromoethene	3.72	108	868686	10.177	ppbv 99
15) Acetone	3.83	43	1054942	9.200	ppbv 98
16) 1,3-Butadiene	3.30	39	472360	11.066	ppbv 99
17) tert-Butyl alcohol	4.27	59	1304259	9.345	ppbv 100
18) 1,1-Dichloroethene	4.27	96	917534	10.507	ppbv 98
19) Isopropyl Alcohol	3.95	45	619751	9.060	ppbv # 96
20) Methylene Chloride	4.32	84	775497	9.081	ppbv 95
21) Allyl Chloride	4.39	41	633438	11.791	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	959815	10.324	ppbv 93
23) Vinyl Acetate	5.05	43	1613014	10.960	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1584398	10.461	ppbv 99
25) Ethyl Acetate	5.66	43	2223034	10.974	ppbv 99
26) Hexane	5.67	57	1245240	10.849	ppbv 98
27) Carbon Disulfide	4.53	76	2005175	12.174	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	2038408	10.190	ppbv 99
29) Chloroform	5.74	83	2465343	10.542	ppbv 99
30) Cyclohexane	7.11	84	1329503	10.813	ppbv 95
31) cis-1,2-Dichloroethene	5.53	61	1334880	11.336	ppbv 95
32) 1,1,1-Trichloroethane	6.49	97	2358243	10.395	ppbv 98
34) 2-Butanone	5.22	43	1494281	12.407	ppbv 97
35) Carbon Tetrachloride	7.00	117	2465386	12.087	ppbv 100
36) Benzene	6.87	78	3044071	11.587	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1505876	12.023	ppbv 99
38) Trichloroethene	7.82	130	1769004	11.592	ppbv 93
39) 1,2-Dichloropropane	7.60	63	1051114	11.844	ppbv 97
40) 1,4-Dioxane	7.81	88	473314	10.676	ppbv # 1
41) Tetrahydrofuran	6.03	42	837535	13.114	ppbv 96
42) Bromodichloromethane	7.78	83	2560804	12.643	ppbv 97
43) Methyl Methacrylate	8.00	69	1310065	12.896	ppbv 96

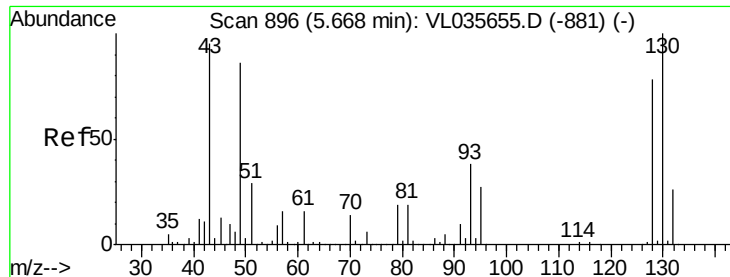
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4147179	11.998	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1462682	14.214	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1739444	13.614	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1514090	11.562	ppbv	99
48) Dibromochloromethane	10.29	129	2544522	12.346	ppbv	100
49) Bromoform	13.03	173	2257689	12.087	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2247370	12.886	ppbv	98
51) 2-Hexanone	10.12	43	1892595	13.229	ppbv #	97
52) Tetrachloroethene	11.21	164	2885227	18.800	ppbv	95
53) Toluene	9.79	91	3851359	11.658	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2373835	11.472	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1965416	11.699	ppbv	100
57) Chlorobenzene	12.14	112	3286840	10.817	ppbv	96
58) Ethyl Benzene	12.70	91	5053609	11.870	ppbv	98
59) m/p-Xylene	12.99	91	4452668	12.516	ppbv #	40
60) o-Xylene	13.69	91	4263614	11.899	ppbv	98
61) Styrene	13.52	104	3340933	12.192	ppbv	98
62) Isopropylbenzene	14.66	105	6407117	11.132	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	3133656	11.280	ppbv	99
64) n-propylbenzene	15.56	120	1983884	11.295	ppbv	87
65) tert-Butylbenzene	16.74	119	5957553	11.135	ppbv	95
66) Benzyl Chloride	16.99	91	2334284	17.555	ppbv	96
67) sec-Butylbenzene	17.29	105	7980800	11.196	ppbv	96
69) p-Isopropyltoluene	17.65	119	6813838	10.897	ppbv	97
70) n-Butylbenzene	18.55	91	6897426	11.452	ppbv	97
71) 2-Chlorotoluene	15.45	91	4959393	11.832	ppbv	94
72) 4-Ethyltoluene	15.84	105	5278815	11.588	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4923312	11.685	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	5156673	11.145	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	3439837	10.037	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	3451381	10.211	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3370398	10.150	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	1982681	9.353	ppbv	100
79) Naphthalene	22.20	128	5683852	11.071	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	2162527	12.341	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2906297	9.453	ppbv	100

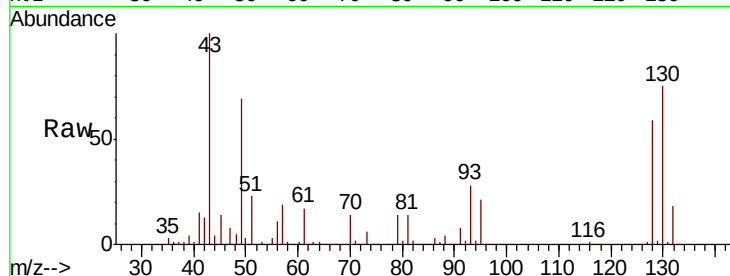
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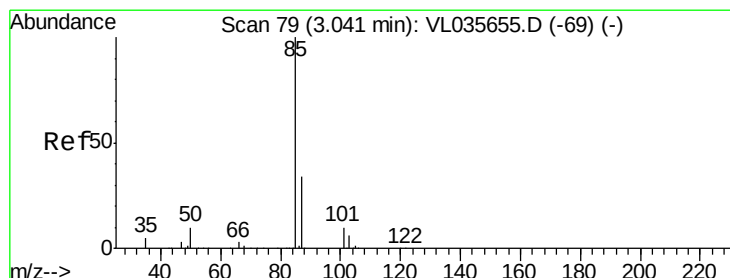
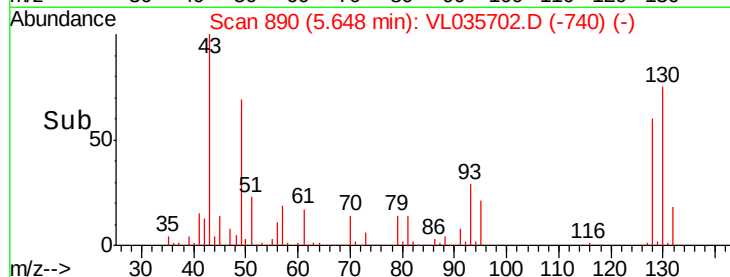
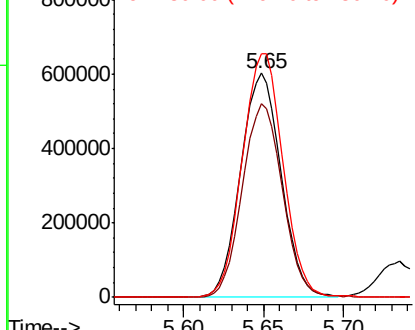
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Instrument :
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Tot Ion: 49 Resp: 1039645
 Ion Ratio Lower Upper
 49 100
 128 86.4 50.0 150.1
 130 110.3 64.4 193.2

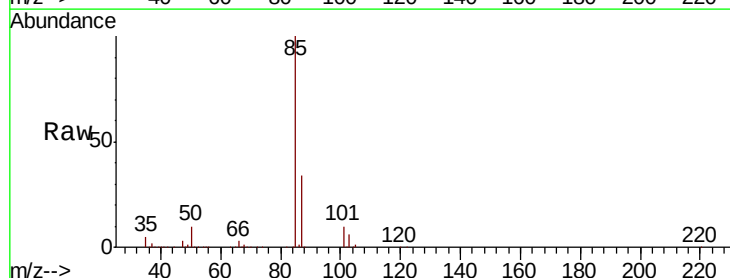


Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V

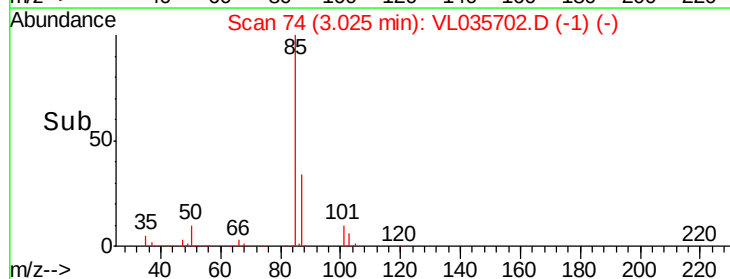
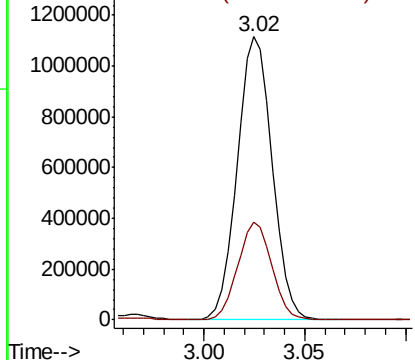


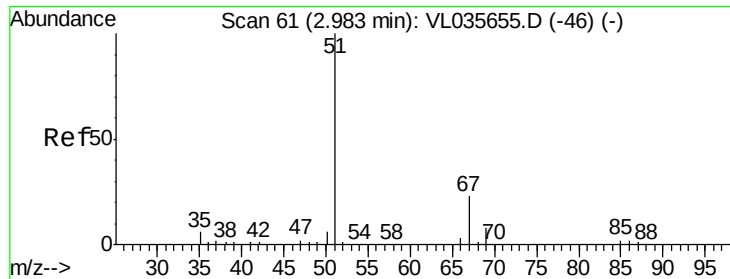
#2
 Dichlorodifluoromethane
 Concen: 7.515 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 85 Resp: 1353982
 Ion Ratio Lower Upper
 85 100
 87 34.5 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
 Ion 87.00 (86.70 to 87.70): VL0

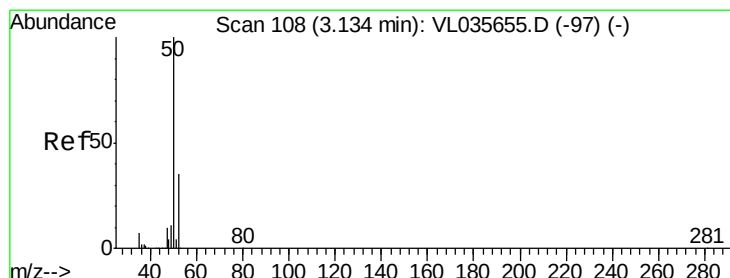
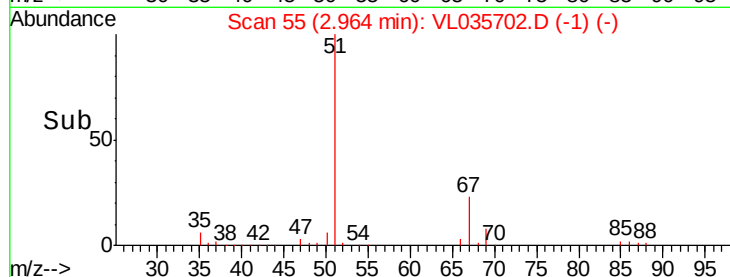
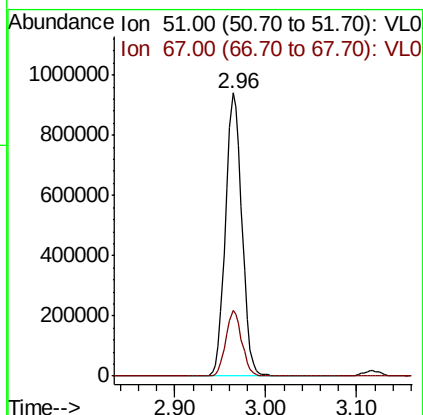
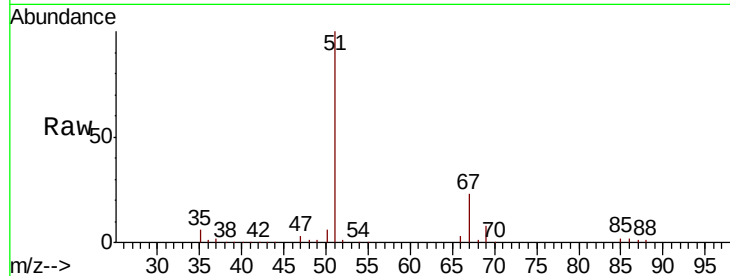




#3
 Chlorodifluoromethane
 Concen: 10.300 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

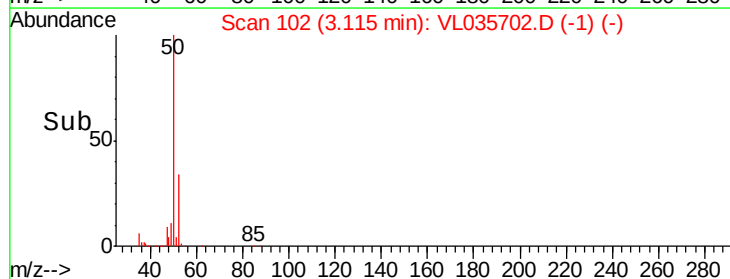
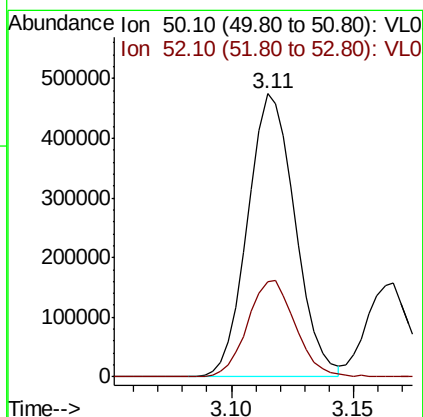
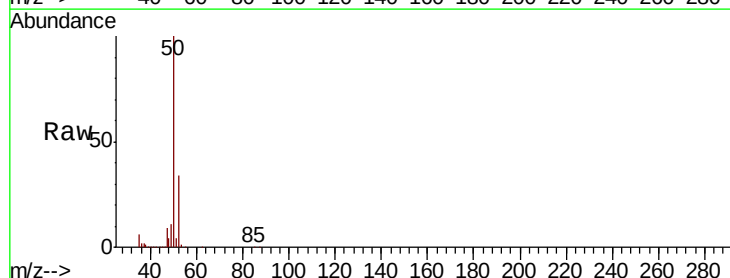
Instrument :
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 ClientSampleId :
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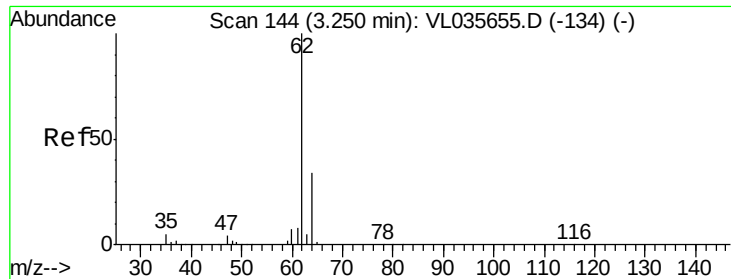
Tot Ion: 51 Resp: 1184330
 Ion Ratio Lower Upper
 51 100
 67 22.8 17.8 26.8



#4
 Chloromethane
 Concen: 10.373 ppbv
 RT: 3.11 min Scan# 102
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 50 Resp: 639012
 Ion Ratio Lower Upper
 50 100
 52 33.8 27.7 41.5





#5

Vinyl Chloride

Concen: 10.092 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

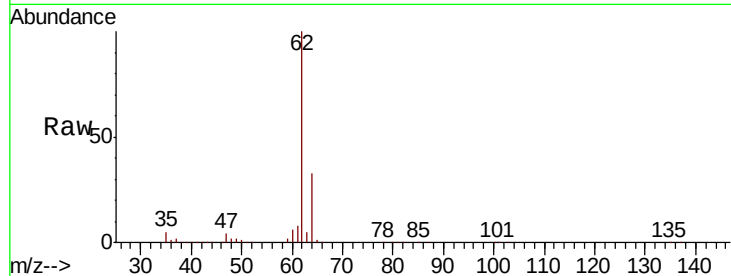
BFB

Tot Ion: 62 Resp: 766478

Ion Ratio Lower Upper

62 100

64 33.2 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

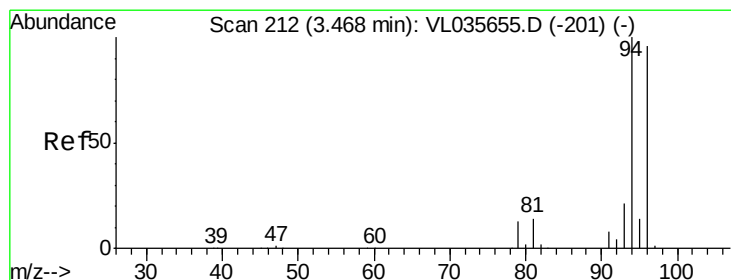
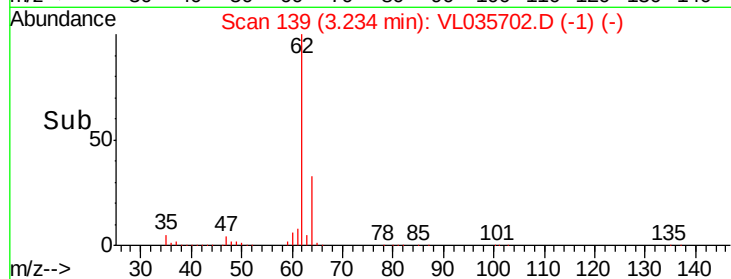
600000

400000

200000

0

Time--> 3.15 3.20 3.25 3.30



#6

Bromomethane

Concen: 10.312 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.02 min

Lab File: VL035702.D

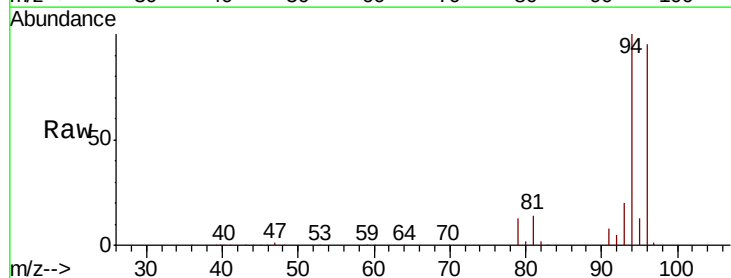
Acq: 22 Sep 2020 1:18

Tgt Ion: 94 Resp: 657799

Ion Ratio Lower Upper

94 100

96 95.3 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

500000

400000

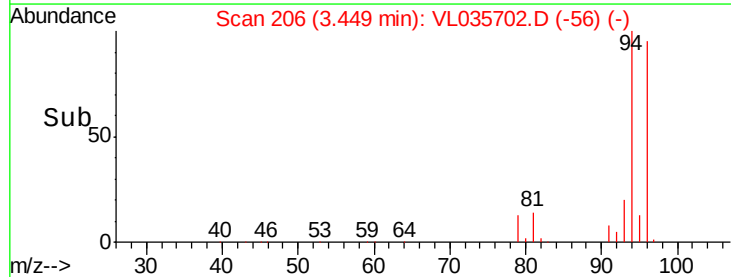
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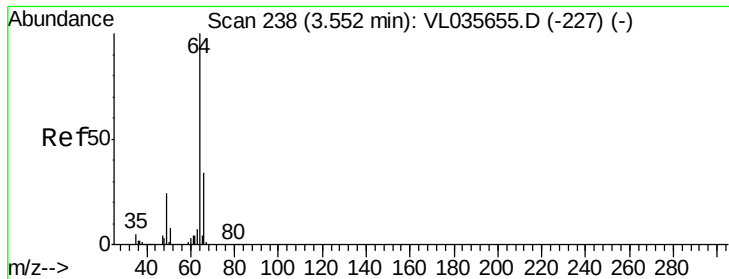
200000

100000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 10.451 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

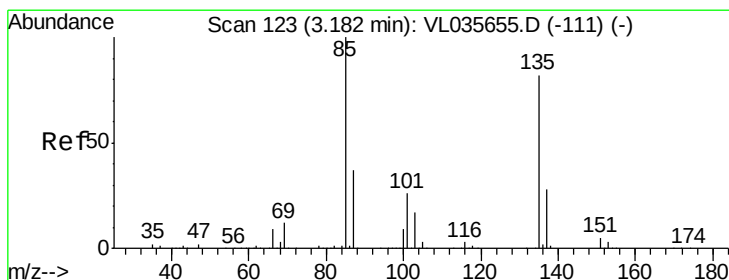
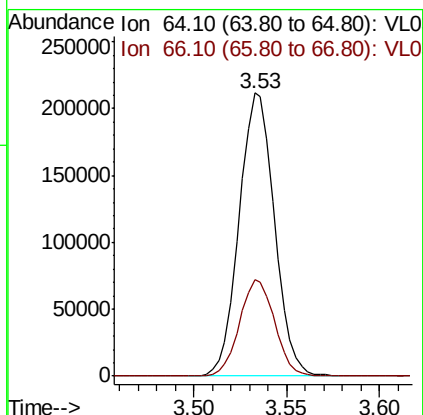
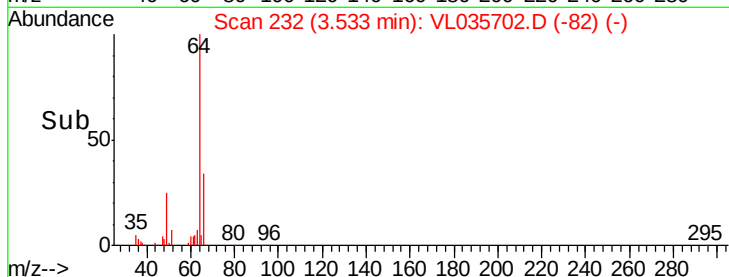
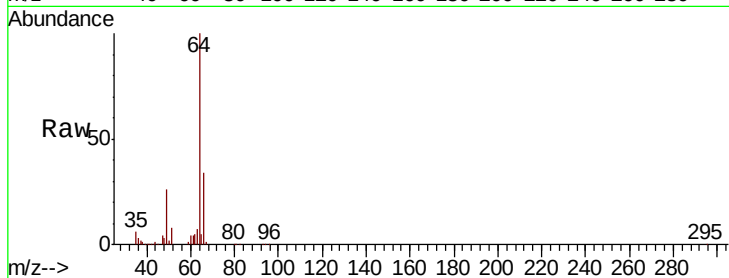
BFB

Tot Ion: 64 Resp: 280626

Ion Ratio Lower Upper

64 100

66 33.9 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.597 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035702.D

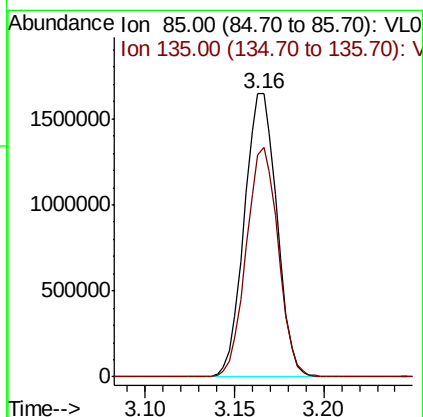
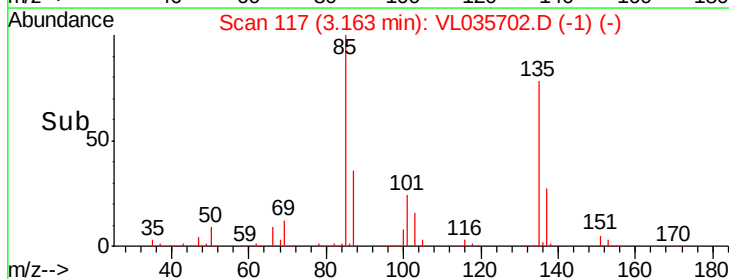
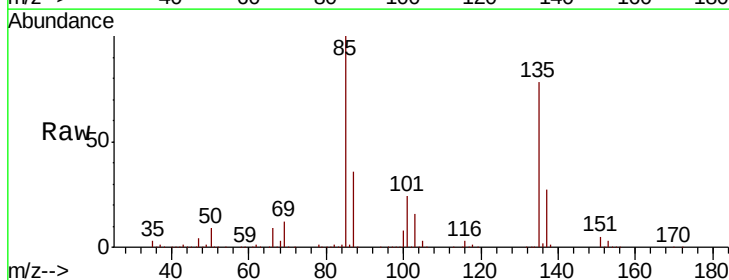
Acq: 22 Sep 2020 1:18

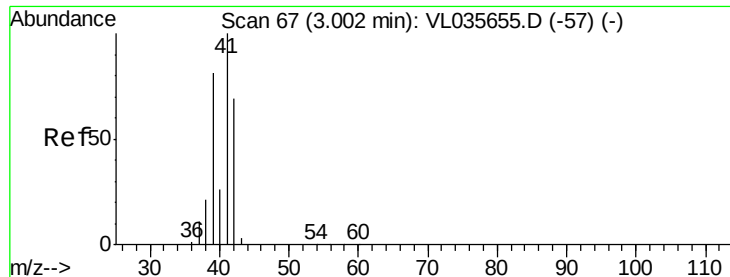
Tgt Ion: 85 Resp: 2094086

Ion Ratio Lower Upper

85 100

135 79.9 70.4 105.6





#9

Propene

Concen: 10.193 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampled :

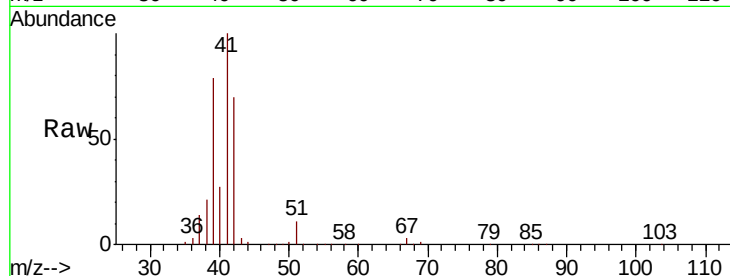
BFB

Tot Ion: 41 Resp: 451835

Ion Ratio Lower Upper

41 100

42 70.5 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

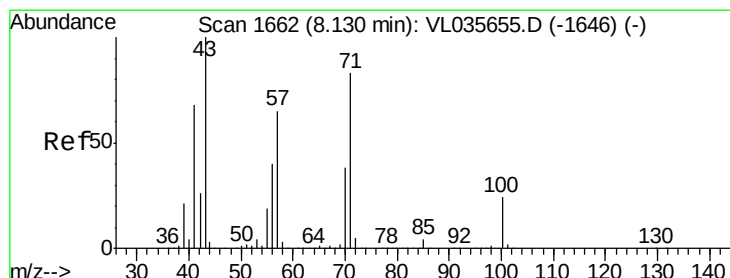
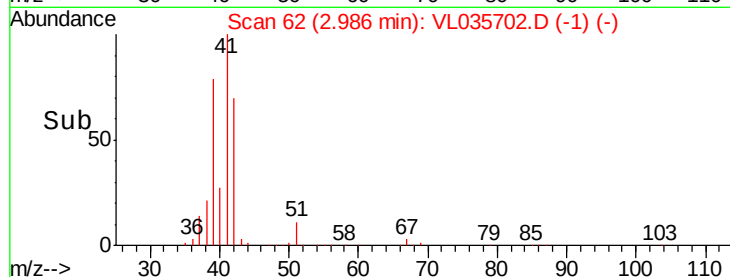
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 11.375 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL035702.D

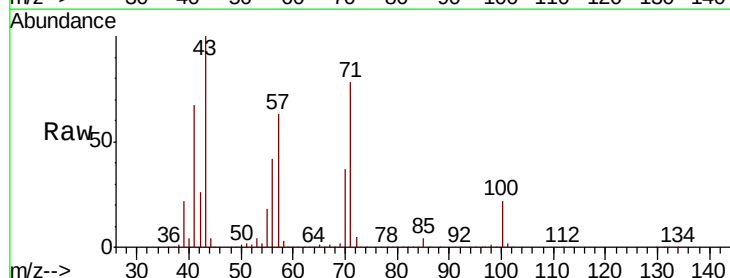
Acq: 22 Sep 2020 1:18

Tgt Ion: 43 Resp: 1354304

Ion Ratio Lower Upper

43 100

57 63.1 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

800000

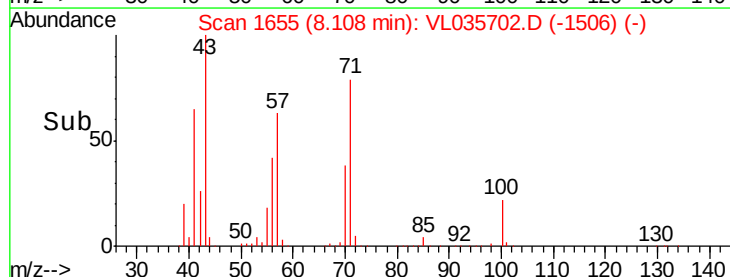
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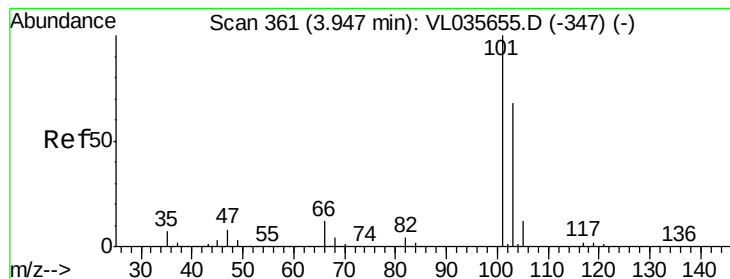
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.921 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

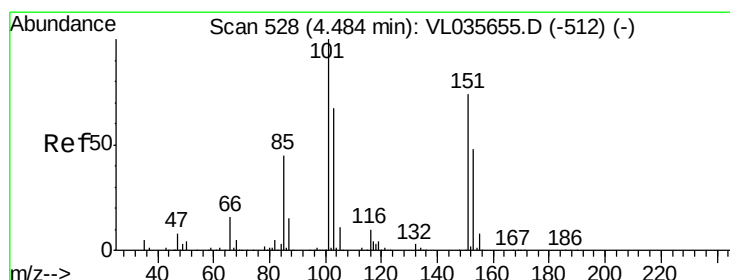
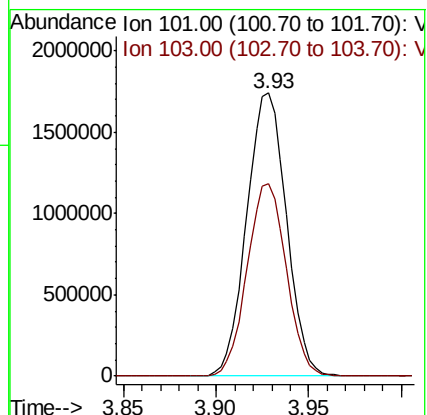
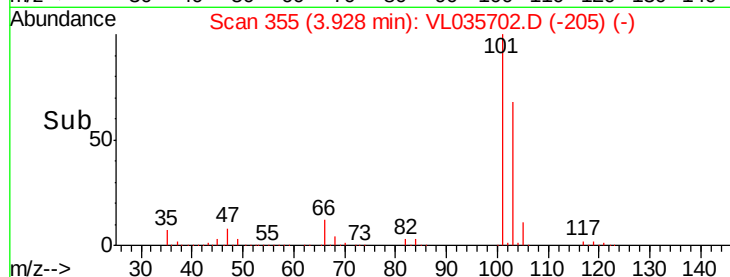
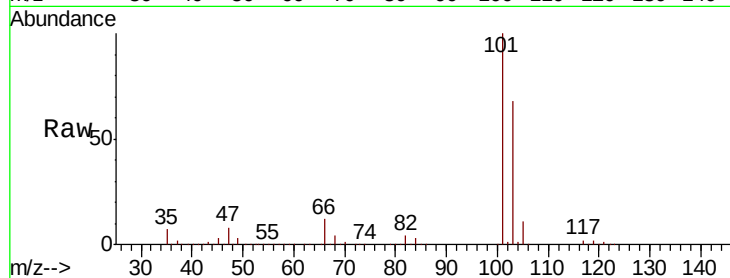
BFB

Tot Ion:101 Resp: 2606631

Ion Ratio Lower Upper

101 100

103 67.8 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.960 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL035702.D

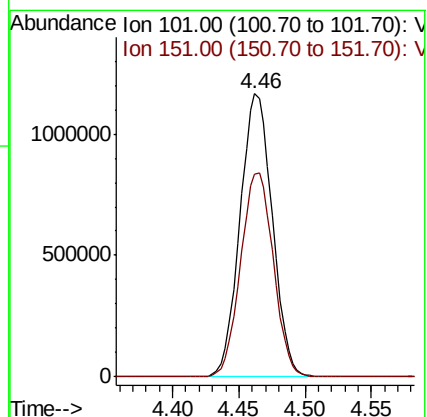
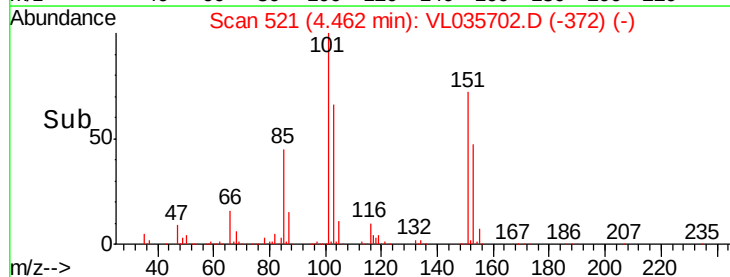
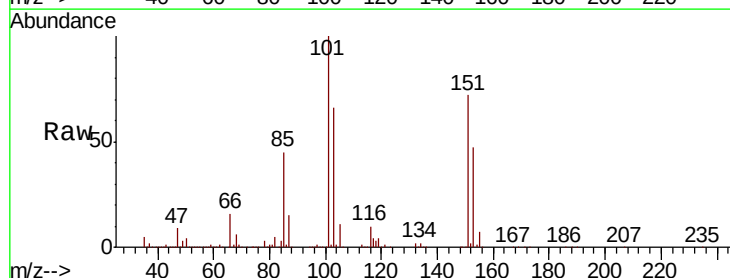
Acq: 22 Sep 2020 1:18

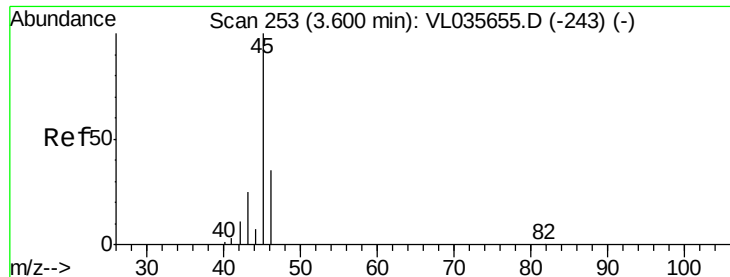
Tgt Ion:101 Resp: 1975138

Ion Ratio Lower Upper

101 100

151 73.3 63.5 95.3





#13

Ethanol

Concen: 8.547 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

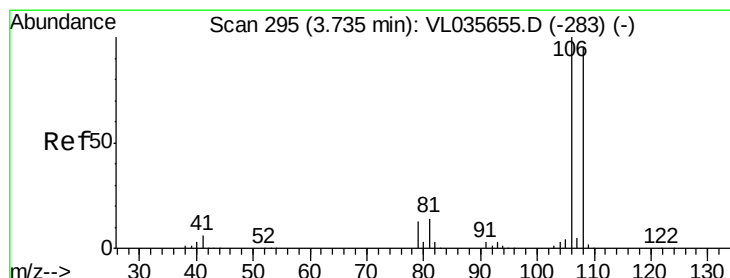
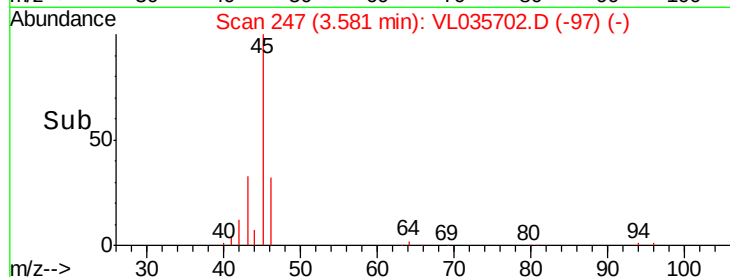
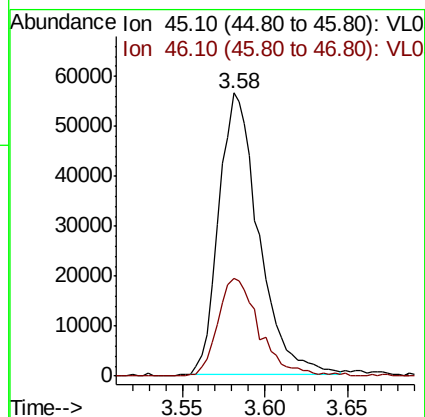
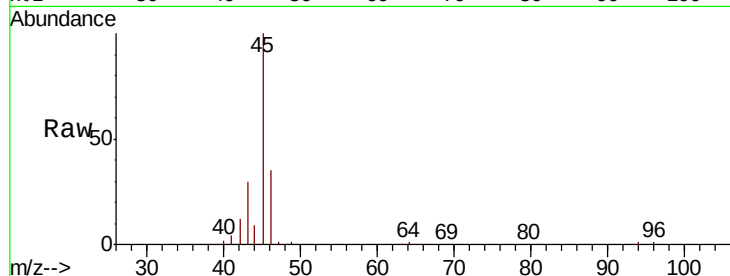
BFB

Tot Ion: 45 Resp: 93943

Ion Ratio Lower Upper

45 100

46 36.7 15.2 60.6



#14

Bromoethene

Concen: 10.177 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

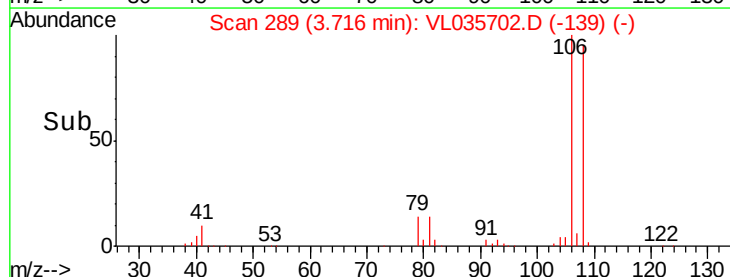
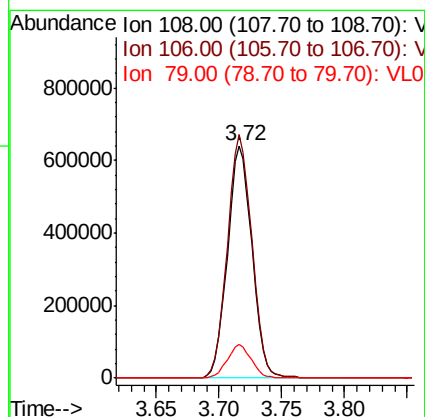
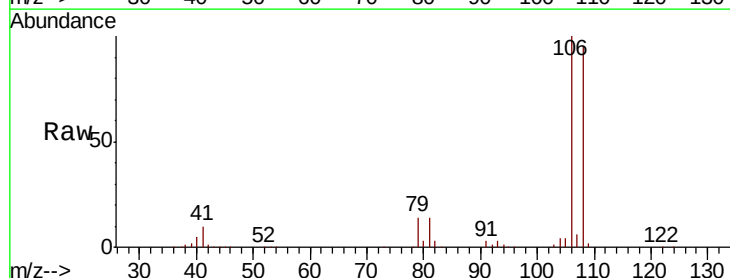
Tgt Ion: 108 Resp: 868686

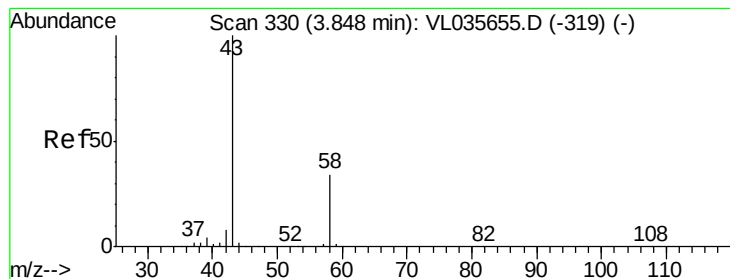
Ion Ratio Lower Upper

108 100

106 105.0 84.9 127.3

79 14.6 10.8 16.2





#15

Acetone

Concen: 9.200 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampled :

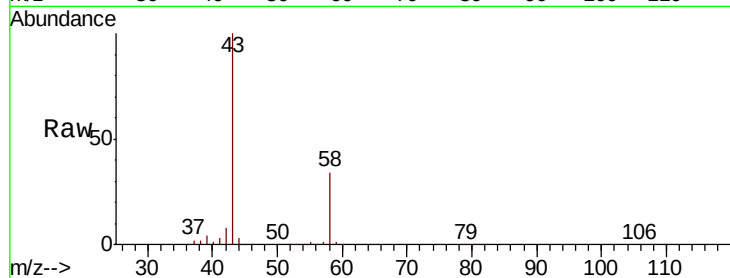
BFB

Tot Ion: 43 Resp: 1054942

Ion Ratio Lower Upper

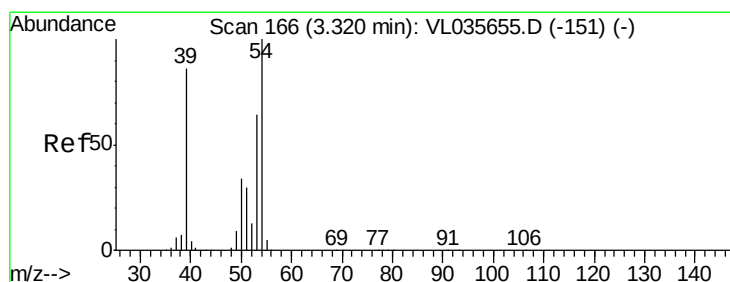
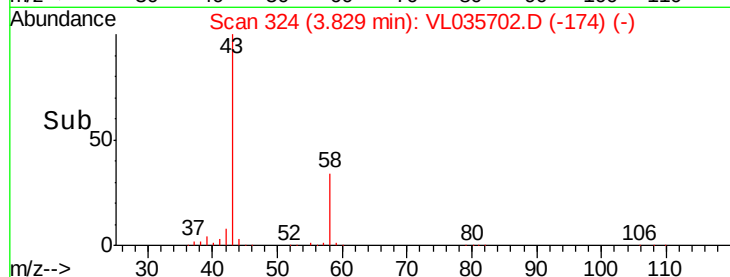
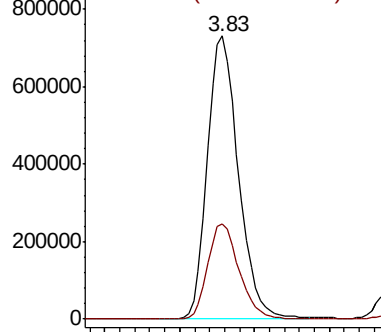
43 100

58 34.3 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.066 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035702.D

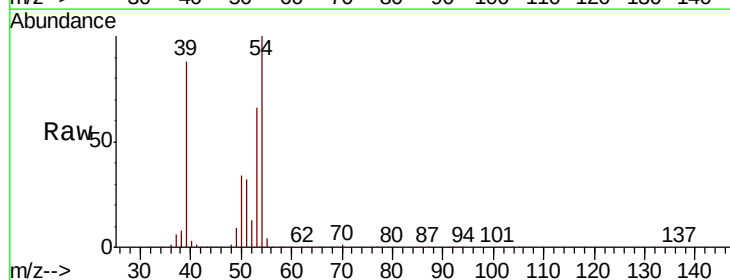
Acq: 22 Sep 2020 1:18

Tgt Ion: 39 Resp: 472360

Ion Ratio Lower Upper

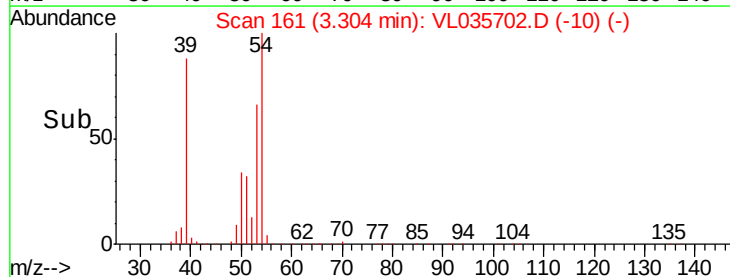
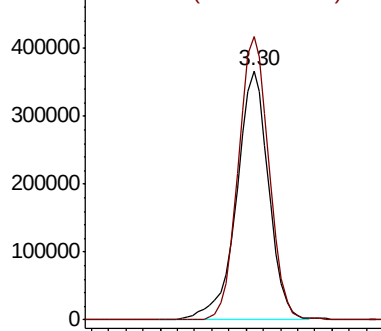
39 100

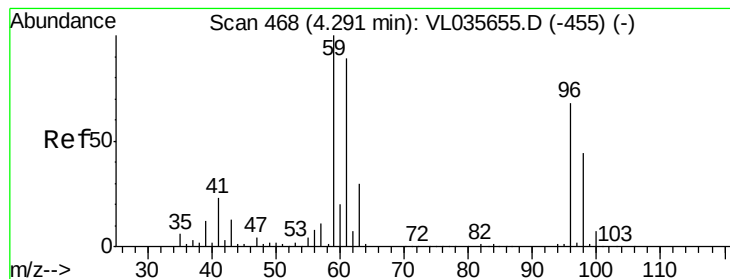
54 109.3 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.345 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

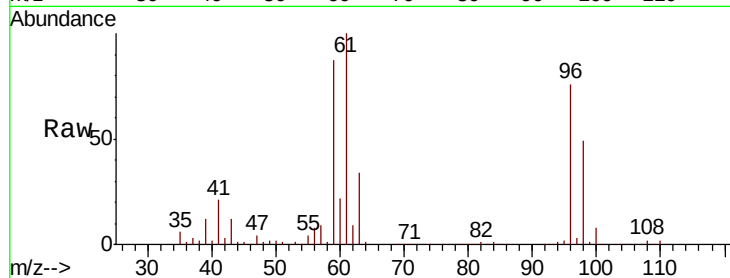
BFB

Tot Ion: 59 Resp: 1304259

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

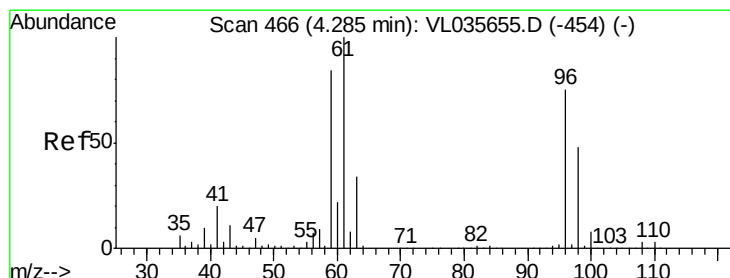
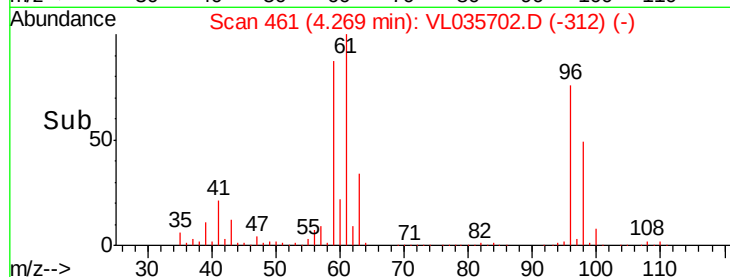
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.507 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

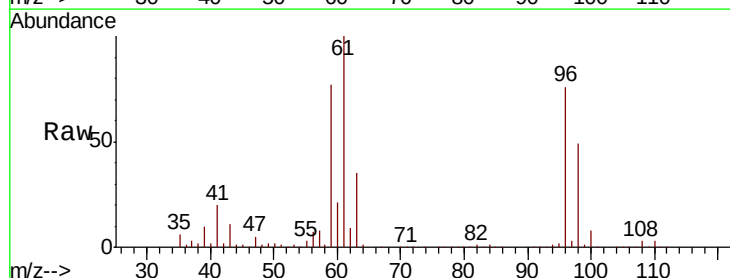
Tgt Ion: 96 Resp: 917534

Ion Ratio Lower Upper

96 100

61 132.3 103.0 154.6

98 65.0 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

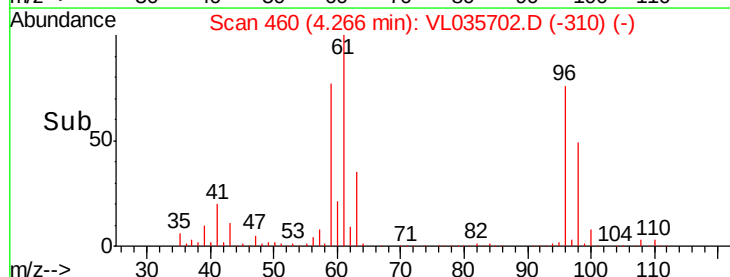
600000

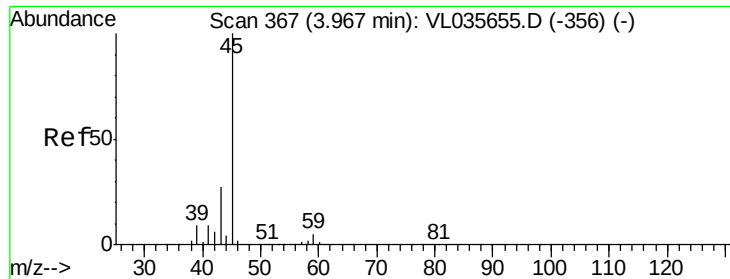
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.060 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

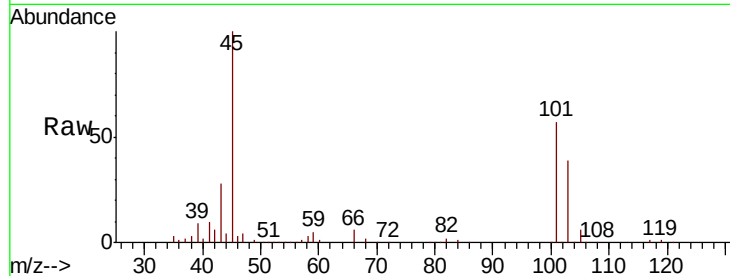
BFB

Tot Ion: 45 Resp: 619751

Ion Ratio Lower Upper

45 100

58 4.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

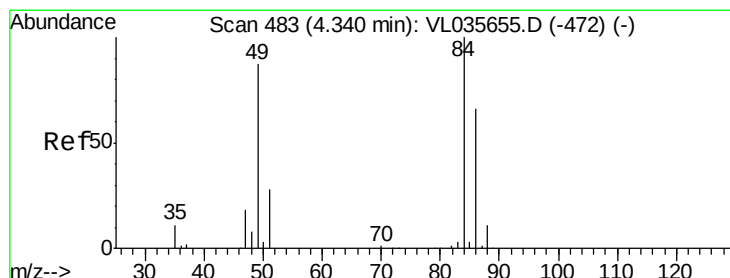
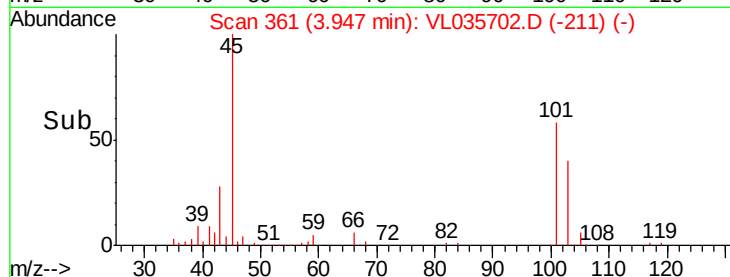
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.081 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Tgt Ion: 84 Resp: 775497

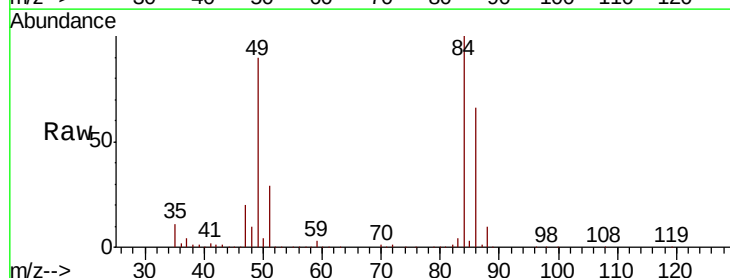
Ion Ratio Lower Upper

84 100

49 89.3 65.4 98.0

51 28.9 21.5 32.3

86 65.8 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

800000

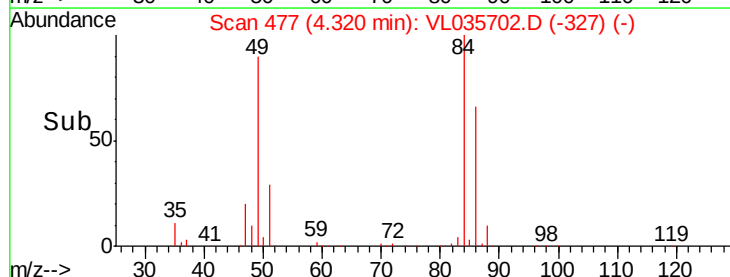
600000

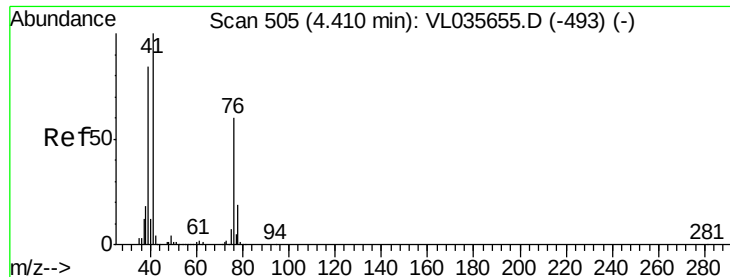
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 11.791 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

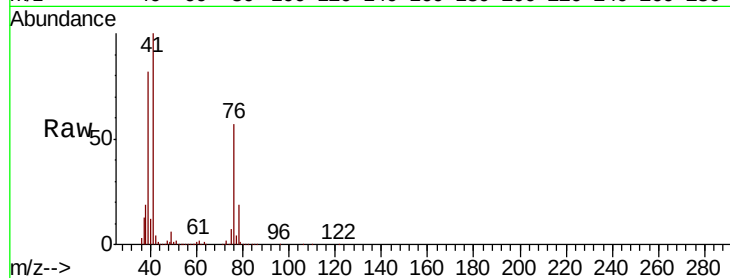
Tot Ion: 41 Resp: 633438

Ion Ratio Lower Upper

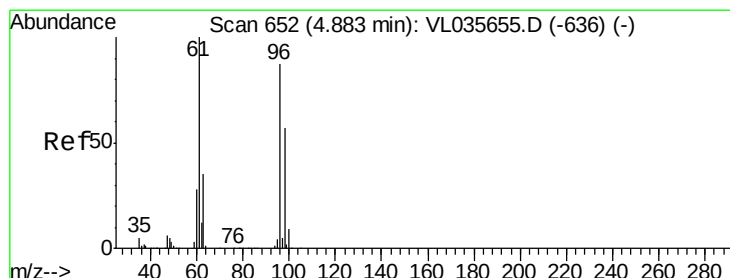
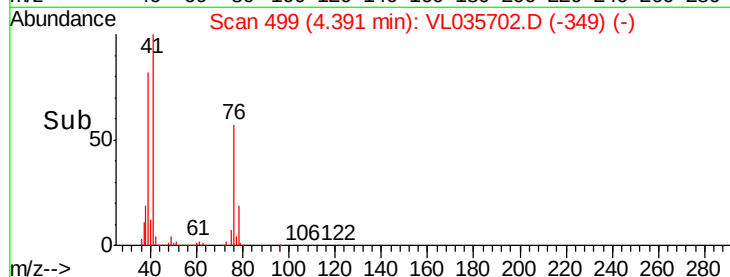
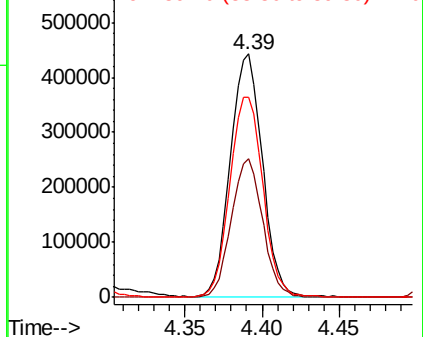
41 100

76 56.2 46.2 69.2

39 85.3 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: 10.324 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

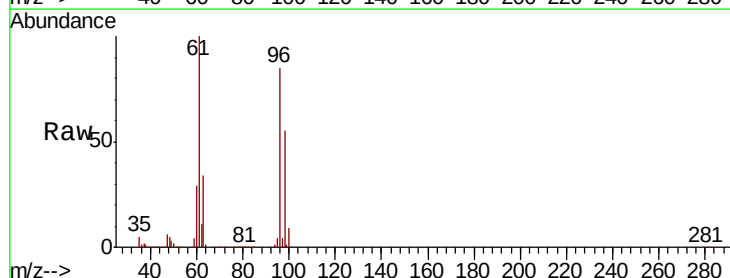
Tgt Ion: 96 Resp: 959815

Ion Ratio Lower Upper

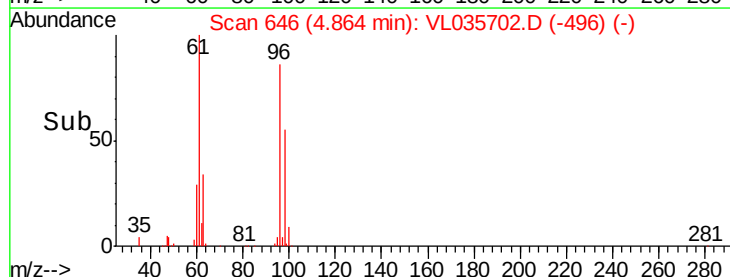
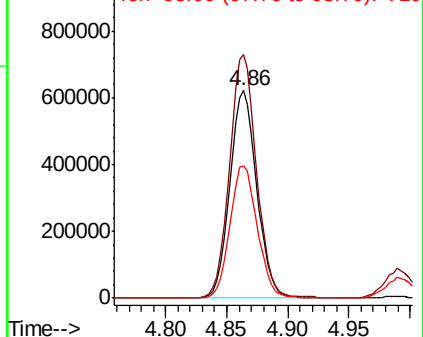
96 100

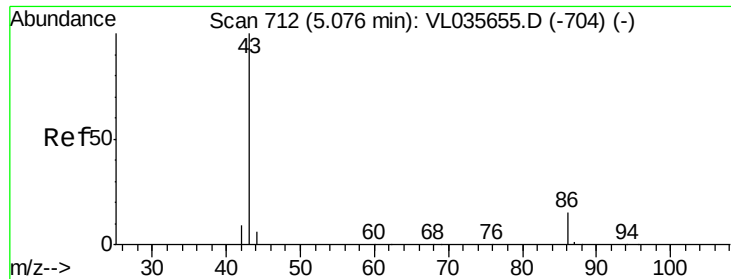
61 117.4 86.0 129.0

98 64.1 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: 10.960 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tot Ion: 43 Resp: 1613014

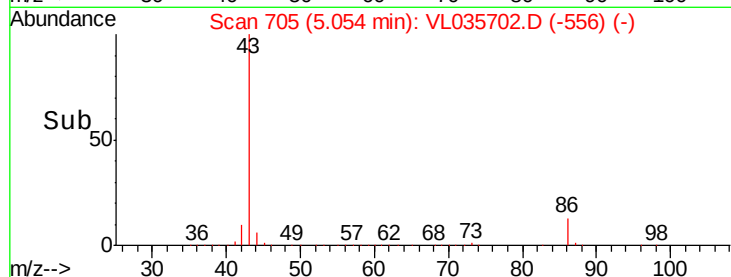
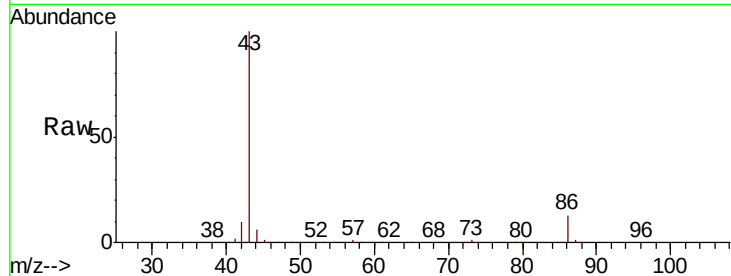
Ion	Ratio	Lower	Upper
43	100		
86	12.7	10.6	16.0
42	10.4	7.5	11.3
44	6.2	4.4	6.6

43 100

86 12.7 10.6 16.0

42 10.4 7.5 11.3

44 6.2 4.4 6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

1500000

1000000

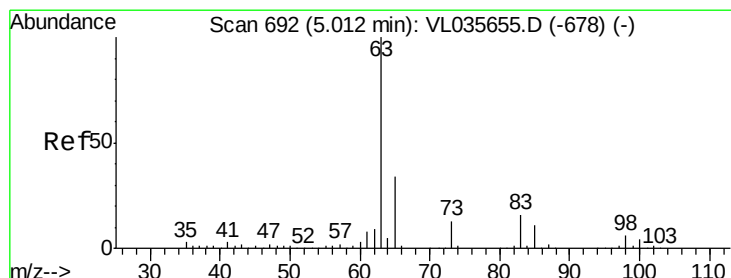
500000

0

5.05

5.00 5.05 5.10 5.15

Time-->



#24

1,1-Dichloroethane

Concen: 10.461 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

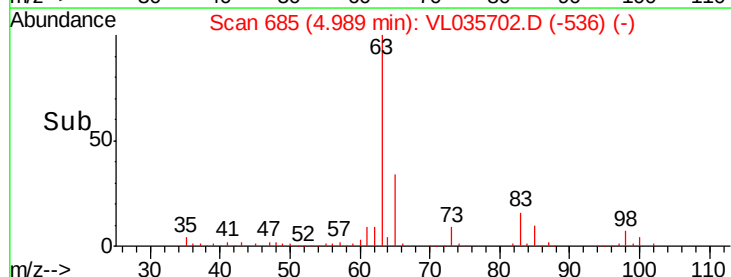
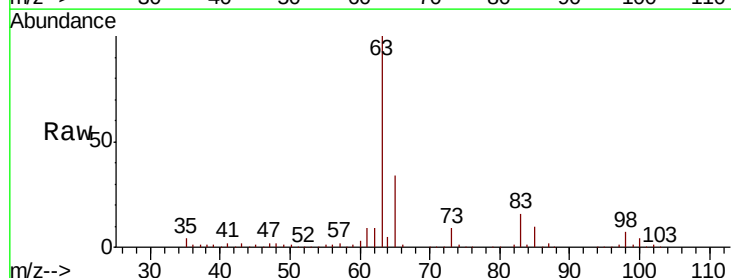
Tgt Ion: 63 Resp: 1584398

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.9	2.1	6.5

63 100

98 6.5 3.4 10.1

100 3.9 2.1 6.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

1200000

1000000

800000

600000

400000

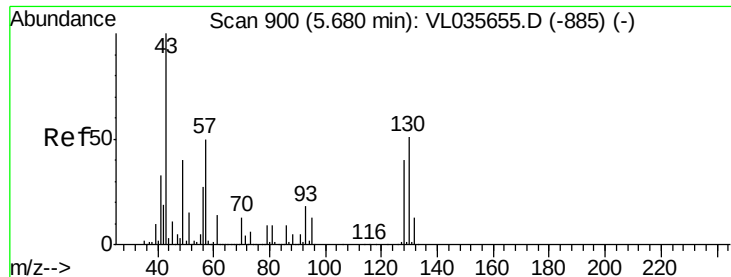
200000

0

4.99

4.90 4.95 5.00 5.05

Time-->

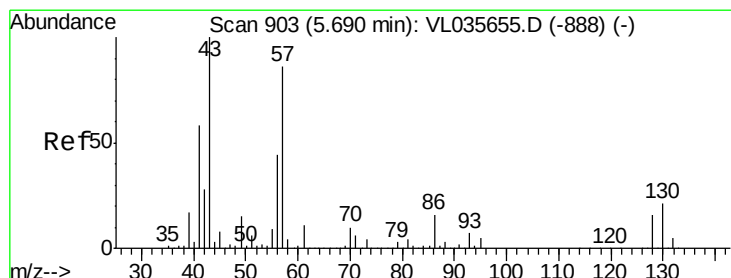
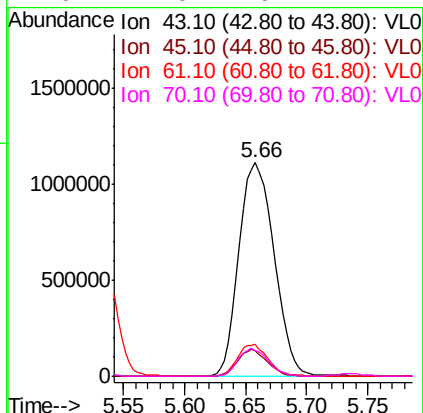
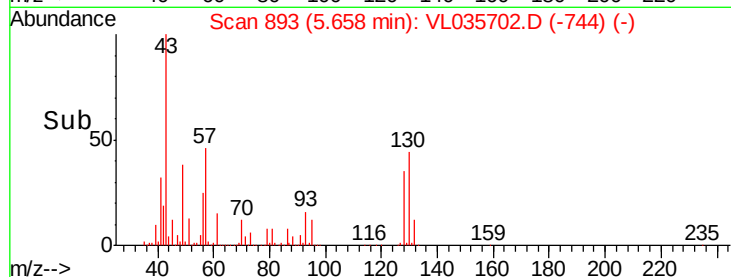
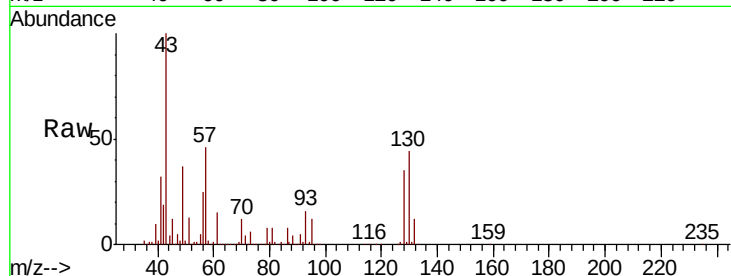


#25
Ethyl Acetate
Concen: 10.974 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tot Ion: 43 Resp: 2223034

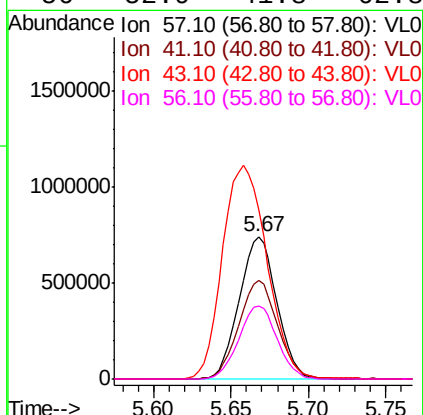
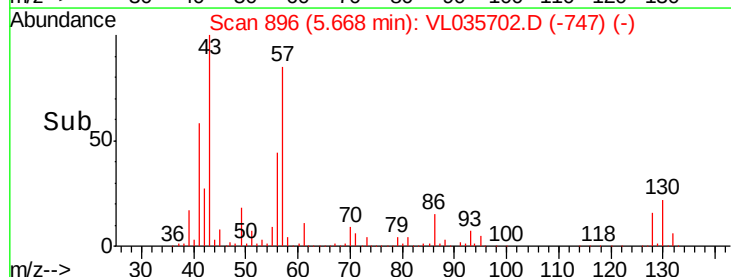
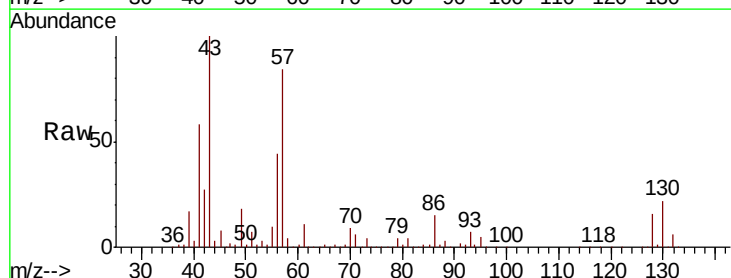
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.0	10.6	16.0
70	11.0	9.4	14.2

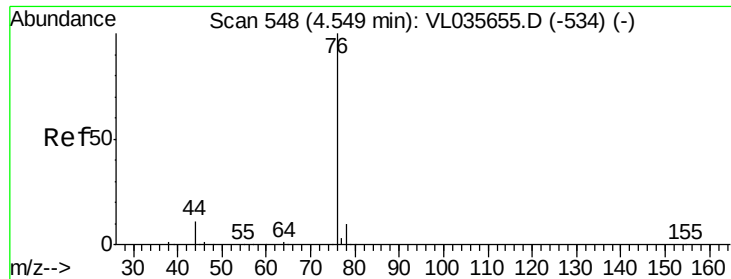


#26
Hexane
Concen: 10.849 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 57 Resp: 1245240

Ion	Ratio	Lower	Upper
57	100		
41	72.0	55.9	83.9
43	179.1	141.8	212.8
56	52.9	41.8	62.8





#27

Carbon Disulfide

Concen: 12.174 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

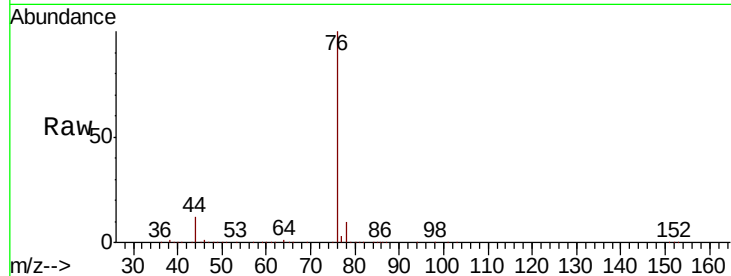
Tot Ion: 76 Resp: 2005175

Ion Ratio Lower Upper

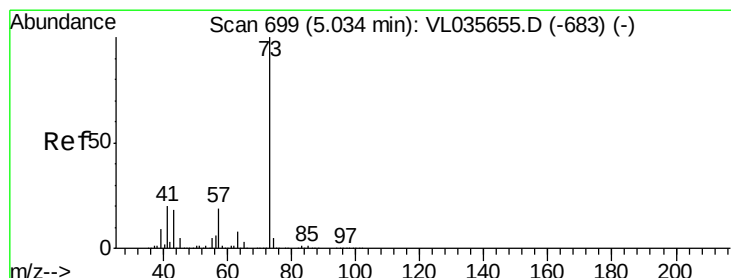
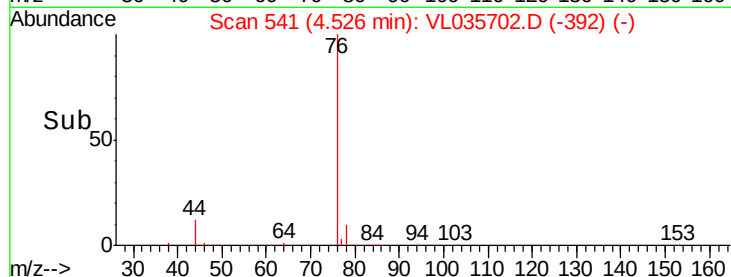
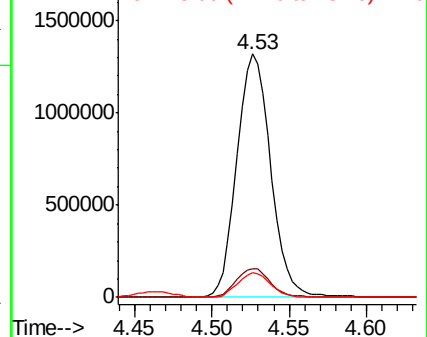
76 100

44 11.8 9.3 13.9

78 9.8 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: 10.190 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL035702.D

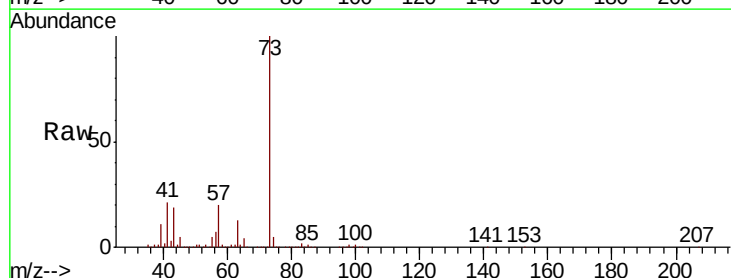
Acq: 22 Sep 2020 1:18

Tgt Ion: 73 Resp: 2038408

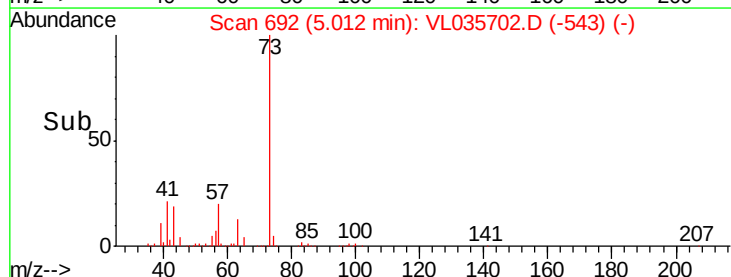
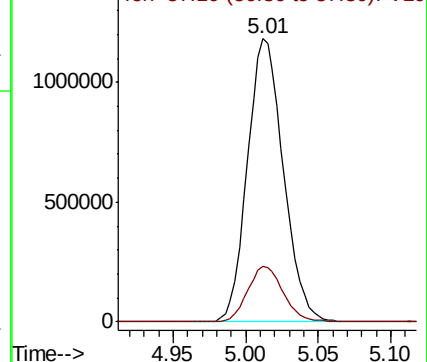
Ion Ratio Lower Upper

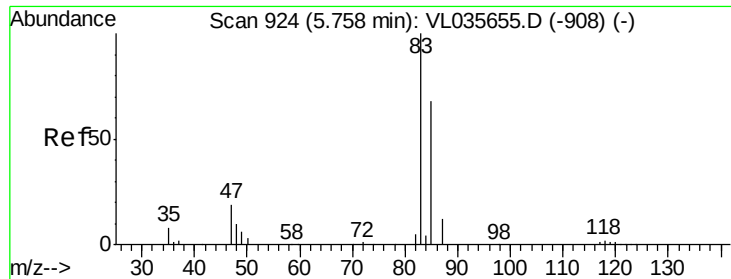
73 100

57 19.5 15.2 22.8



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

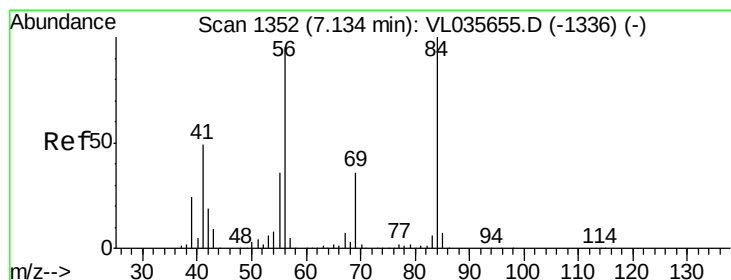
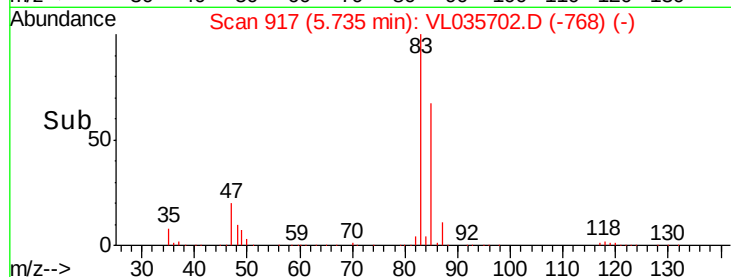
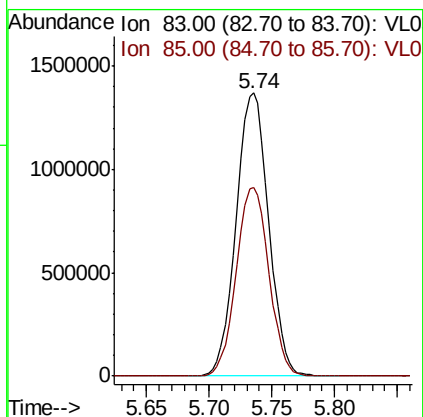
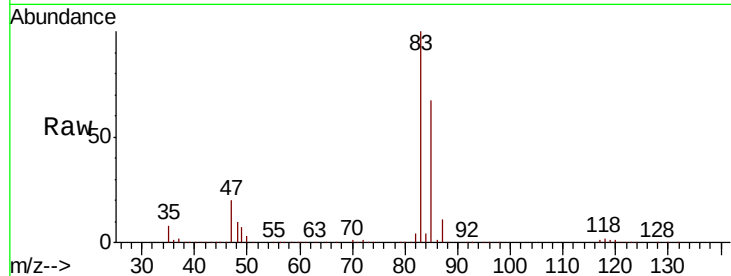




#29
Chloroform
Concen: 10.542 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

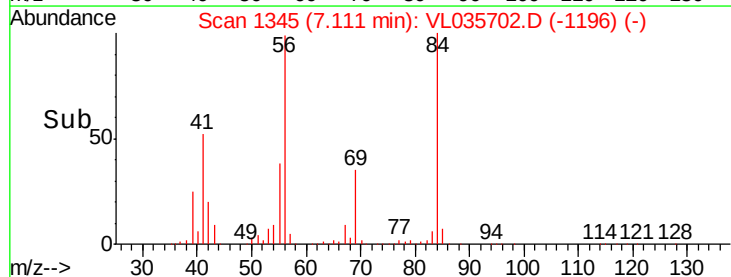
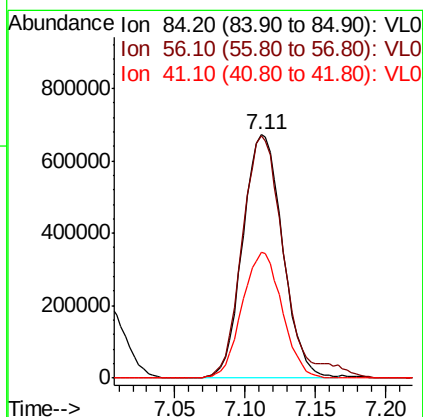
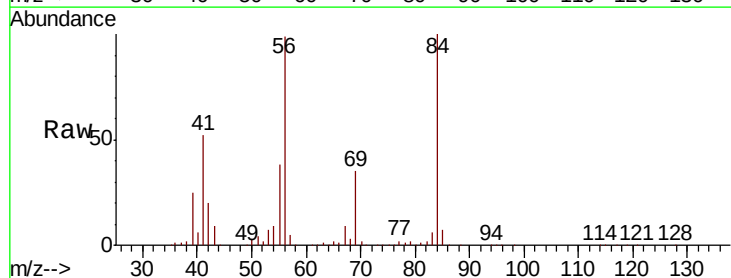
Instrument :
MSVOA_L
ClientSampleId :
BFB

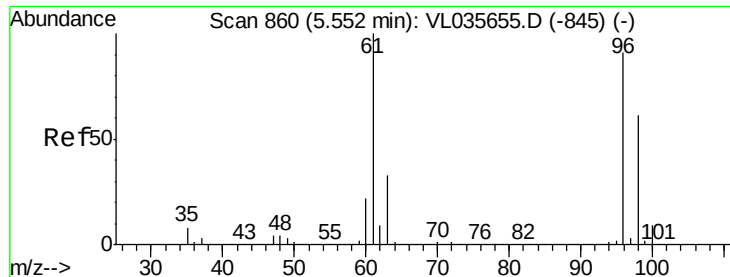
Tot Ion: 83 Resp: 2465343
Ion Ratio Lower Upper
83 100
85 66.5 53.9 80.9



#30
Cyclohexane
Concen: 10.813 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 84 Resp: 1329503
Ion Ratio Lower Upper
84 100
56 104.6 80.1 120.1
41 51.8 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 11.336 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampled :

BFB

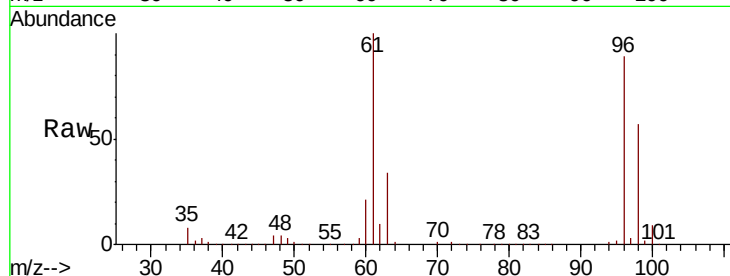
Tot Ion: 61 Resp: 1334880

Ion Ratio Lower Upper

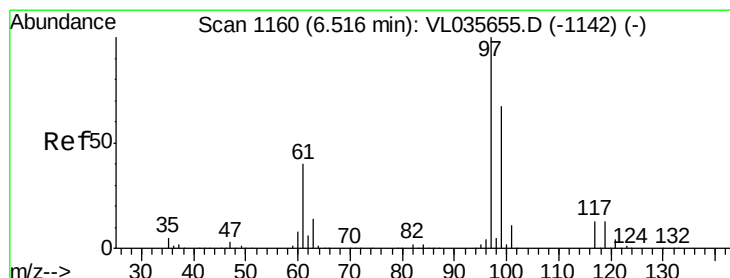
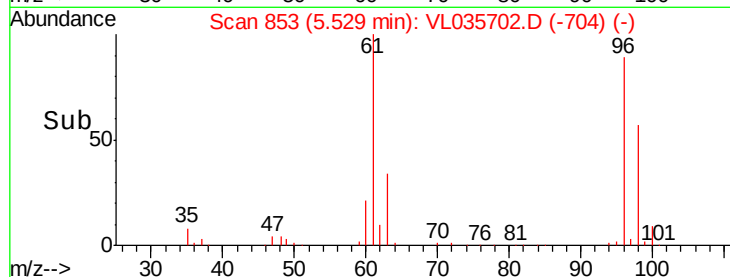
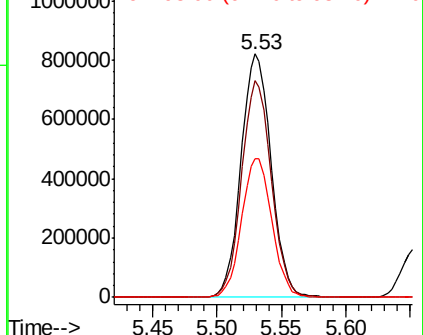
61 100

96 89.1 74.4 111.6

98 56.7 49.2 73.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.395 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

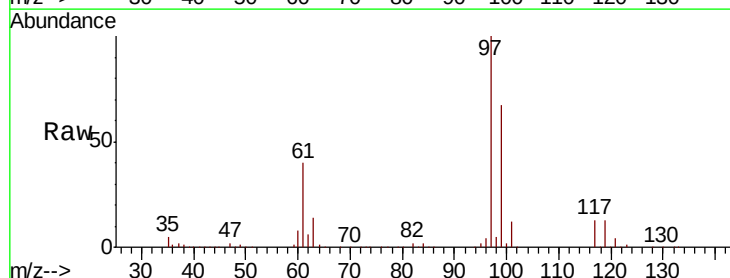
Tgt Ion: 97 Resp: 2358243

Ion Ratio Lower Upper

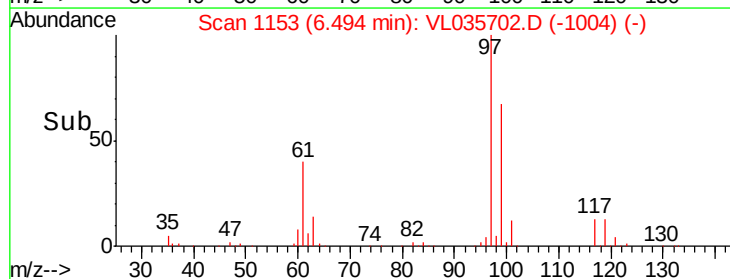
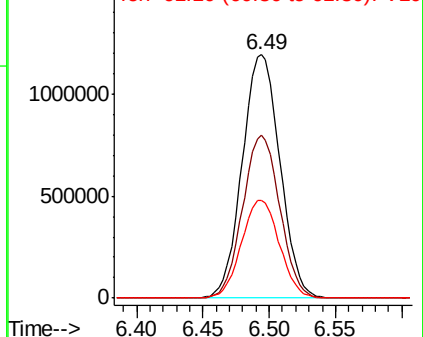
97 100

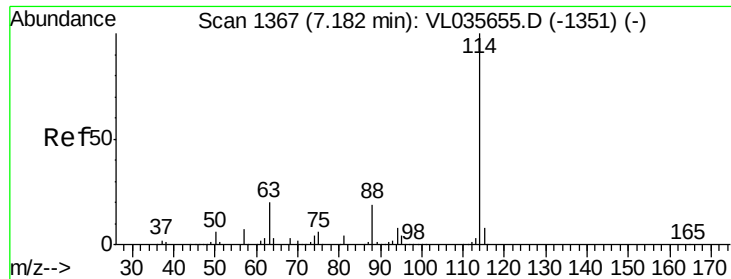
99 66.1 53.3 79.9

61 40.7 30.6 46.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

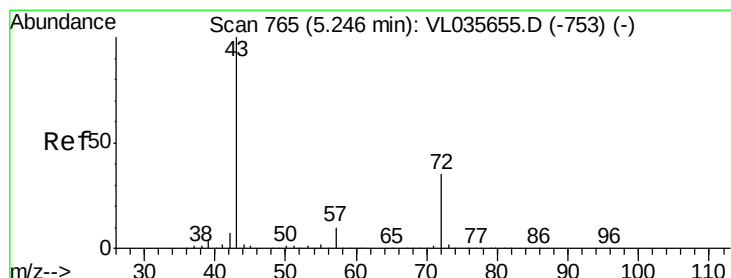
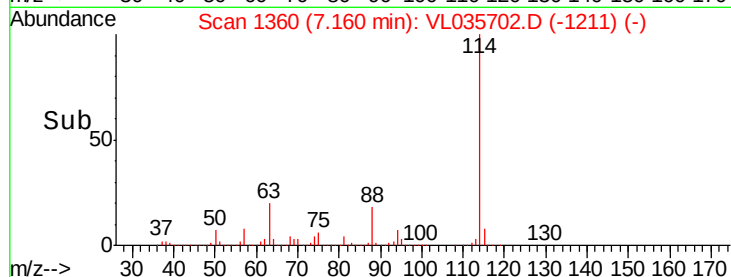
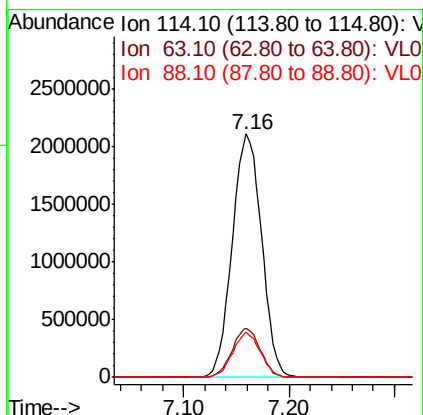
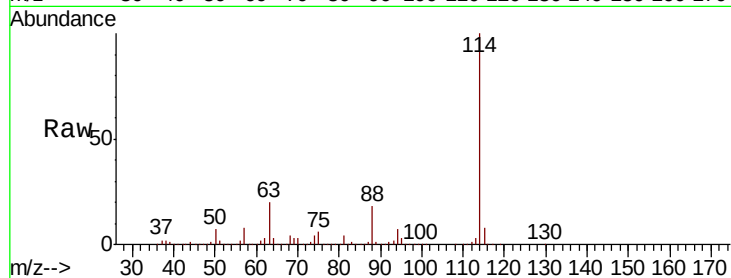




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

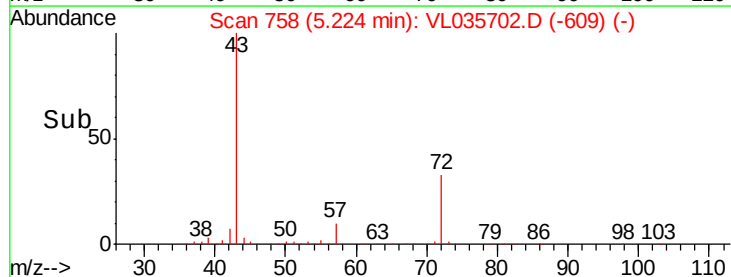
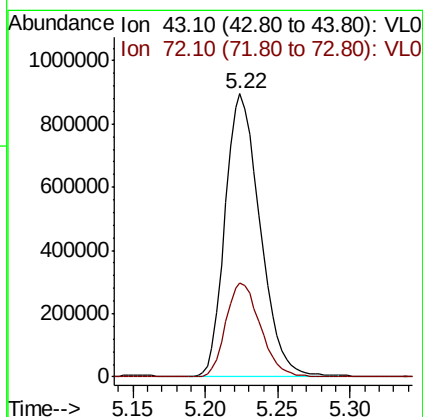
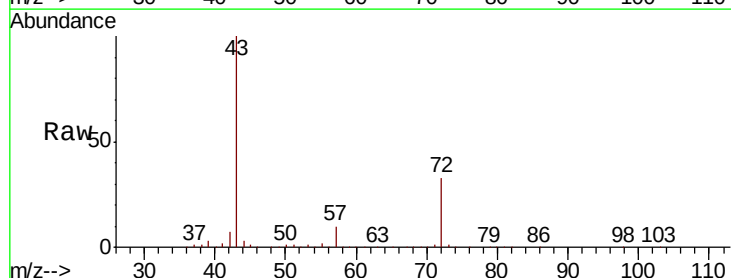
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

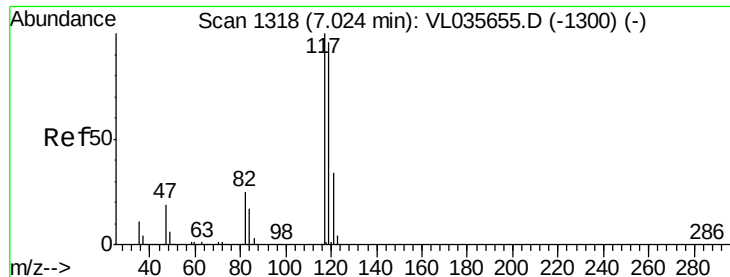
Tot Ion:114 Resp: 4058429
 Ion Ratio Lower Upper
 114 100
 63 19.9 14.7 22.1
 88 17.2 13.4 20.2



#34
 2-Butanone
 Concen: 12.407 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 43 Resp: 1494281
 Ion Ratio Lower Upper
 43 100
 72 33.0 27.7 41.5

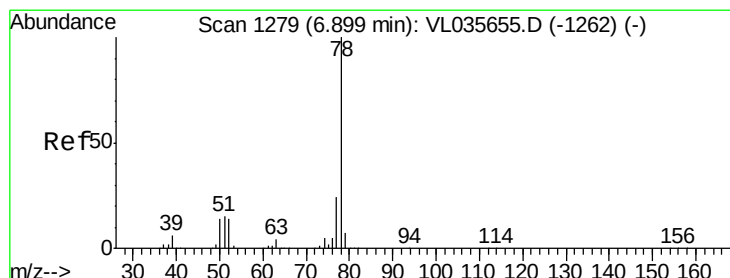
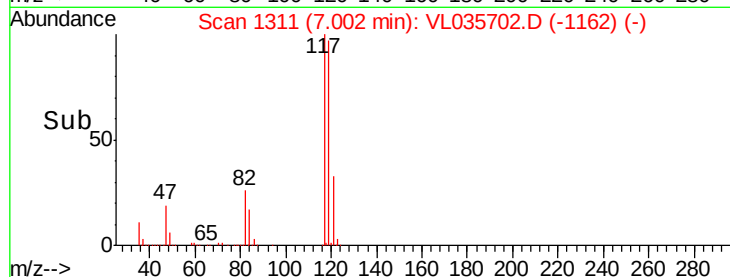
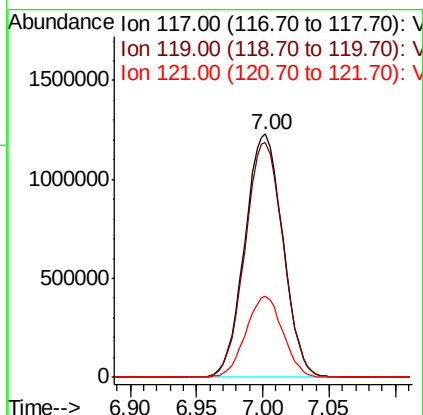
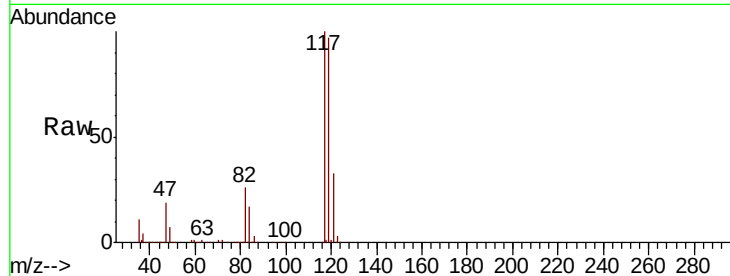




#35
Carbon Tetrachloride
Concen: 12.087 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

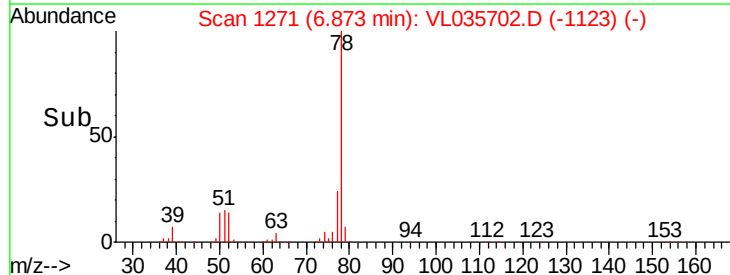
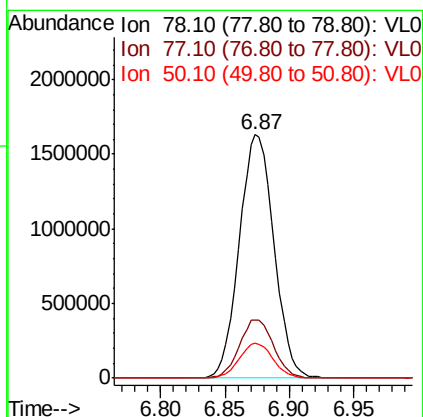
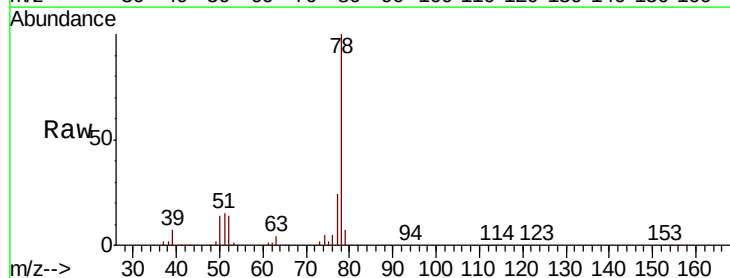
Instrument :
MSVOA_L
ClientSampleId :
BFB

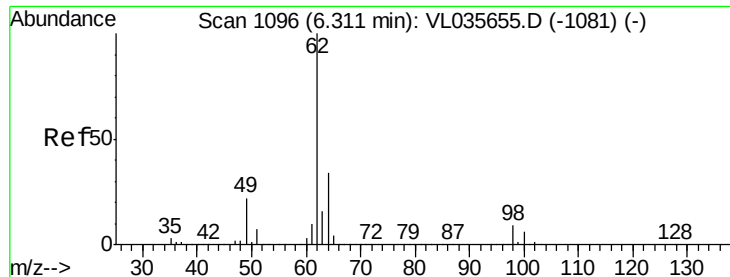
Tot Ion:117 Resp: 2465386
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 33.4 26.1 39.1



#36
Benzene
Concen: 11.587 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.03 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 78 Resp: 3044071
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
50 14.5 11.0 16.6

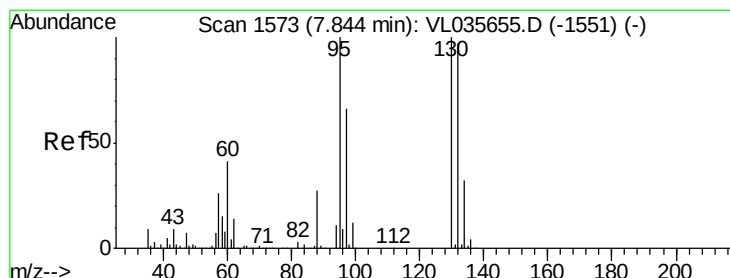
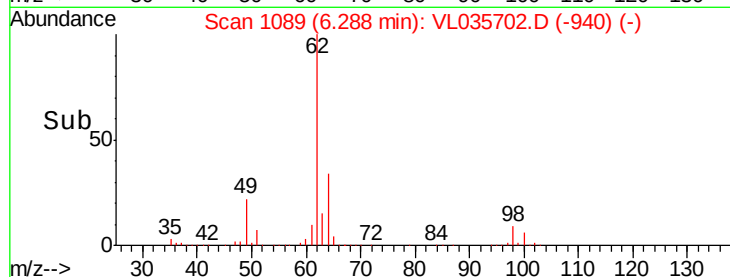
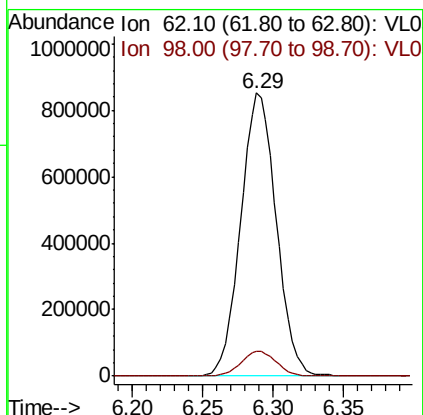
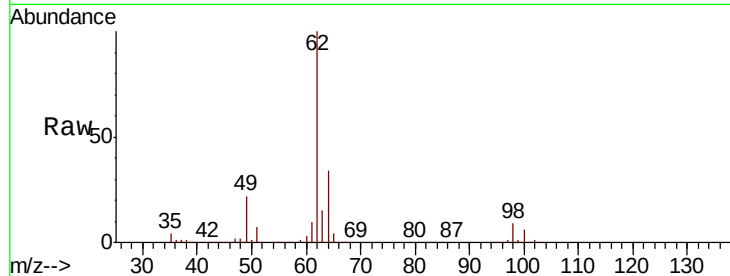




#37
 1,2-Dichloroethane
 Concen: 12.023 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

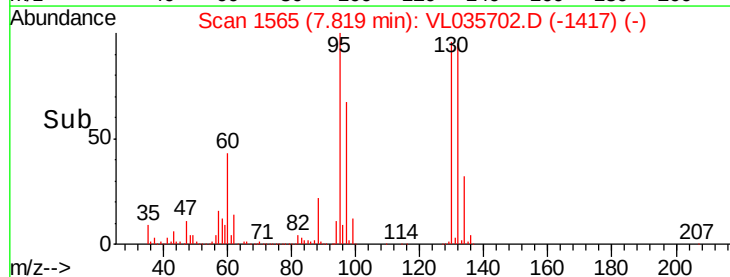
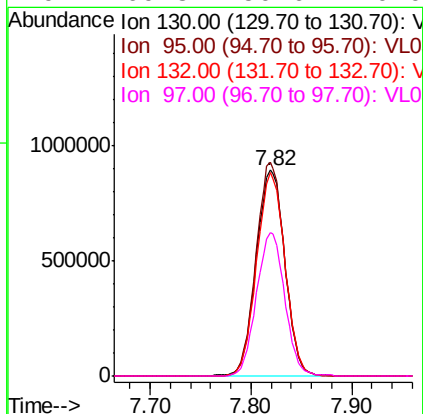
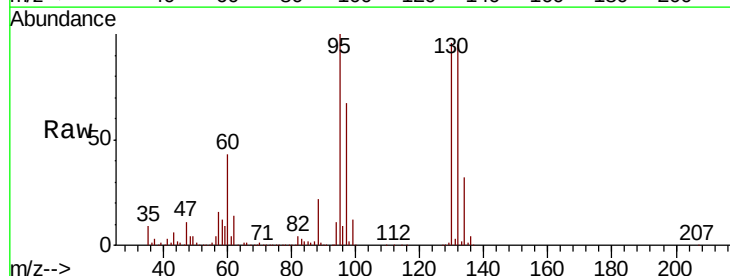
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

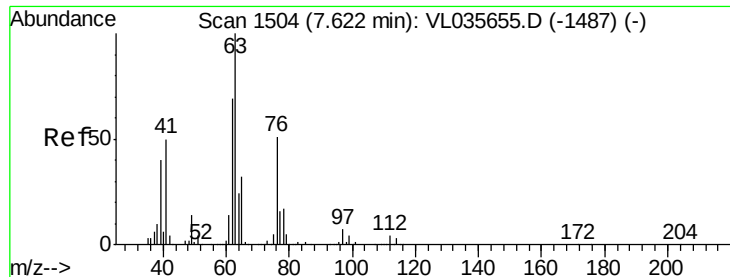
Tot Ion: 62 Resp: 1505876
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.4 11.0



#38
 Trichloroethene
 Concen: 11.592 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion:130 Resp: 1769004
 Ion Ratio Lower Upper
 130 100
 95 103.7 74.6 112.0
 132 98.5 77.6 116.4
 97 69.8 50.6 76.0





#39

1,2-Dichloropropane

Concen: 11.844 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

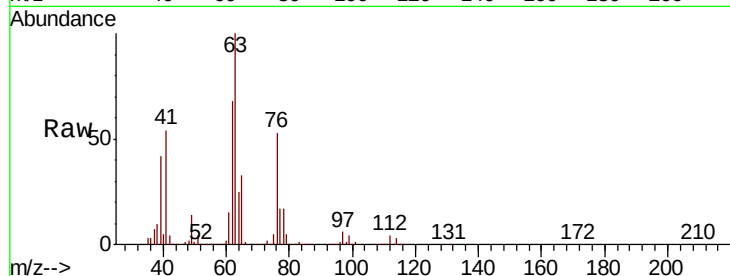
Tot Ion: 63 Resp: 1051114

Ion Ratio Lower Upper

63 100

41 54.1 40.0 60.0

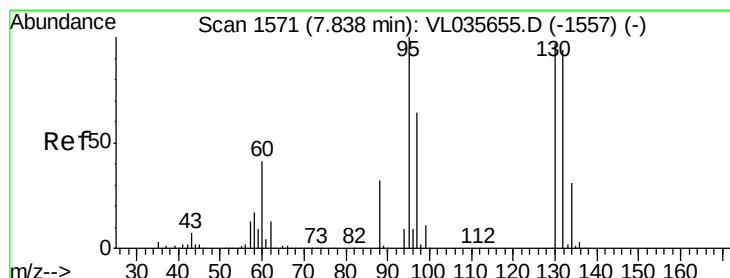
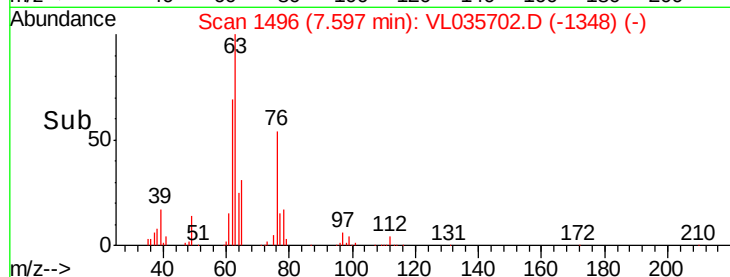
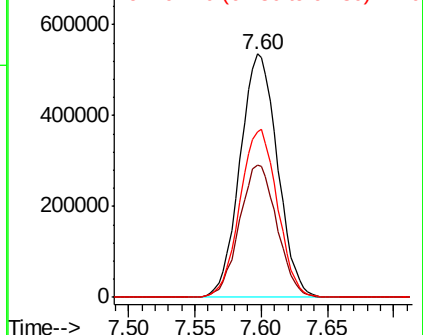
62 68.2 55.4 83.0



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: 10.676 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Tgt Ion: 88 Resp: 473314

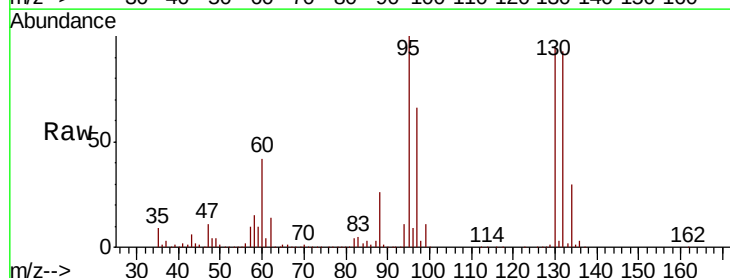
Ion Ratio Lower Upper

88 100

58 52.9 68.7 103.1#

43 0.0 104.3 156.5#

57 0.0 560.7 841.1#

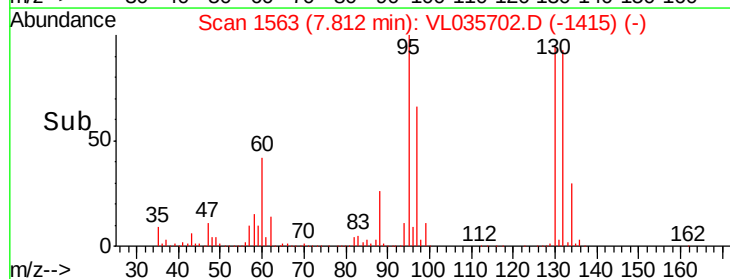
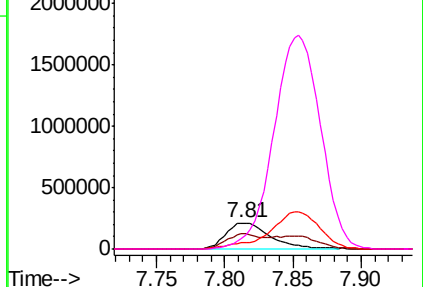


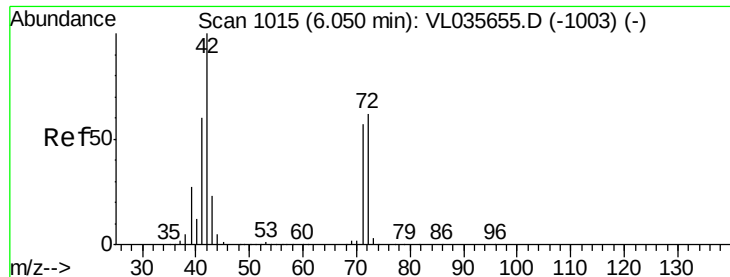
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 13.114 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

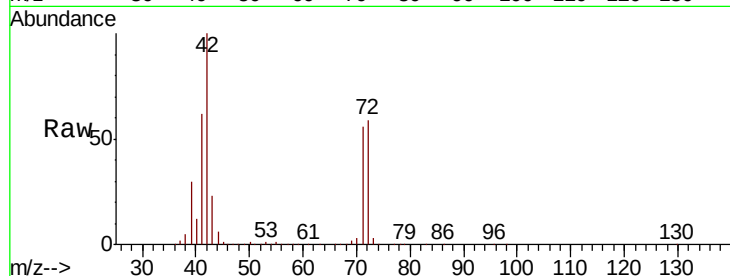
Tot Ion: 42 Resp: 837535

Ion Ratio Lower Upper

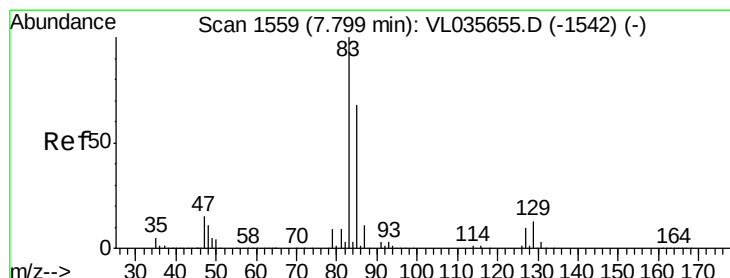
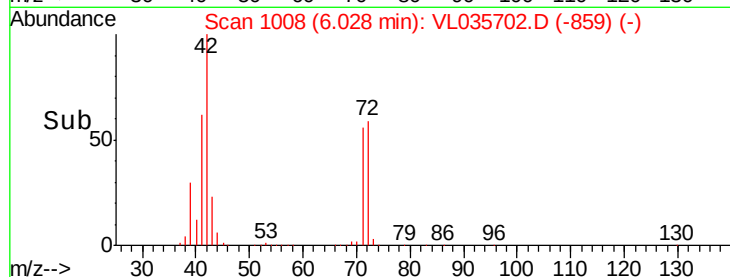
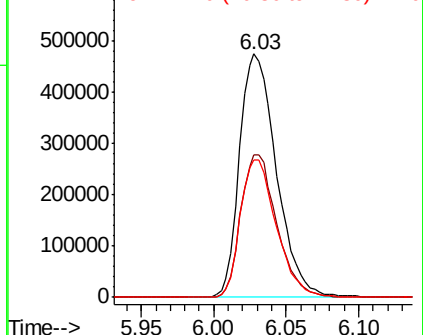
42 100

72 57.4 48.6 73.0

71 55.5 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: 12.643 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

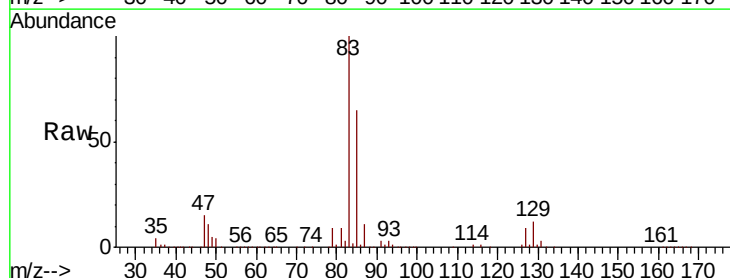
Tgt Ion: 83 Resp: 2560804

Ion Ratio Lower Upper

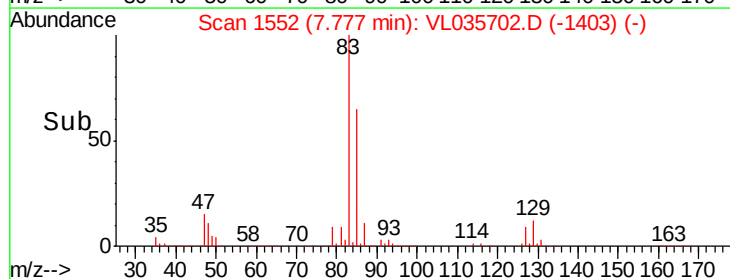
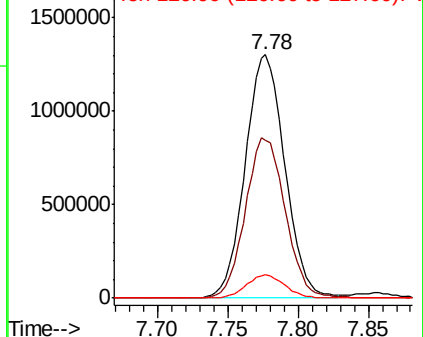
83 100

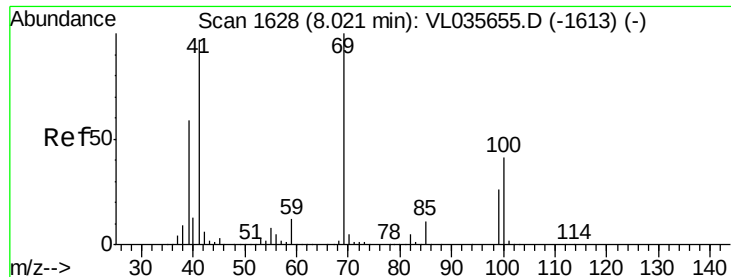
85 64.7 53.7 80.5

127 9.5 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: 12.896 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

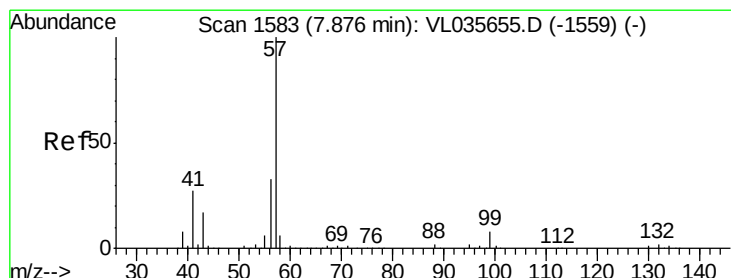
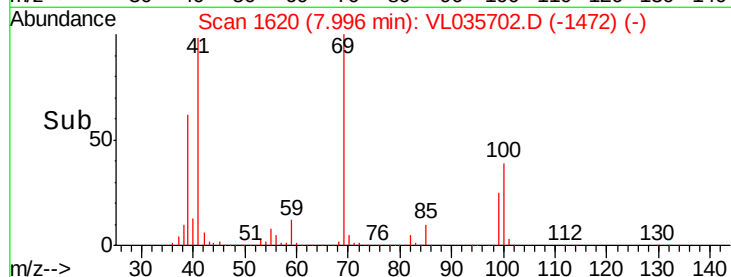
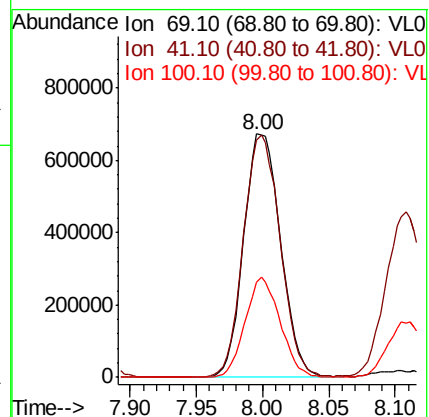
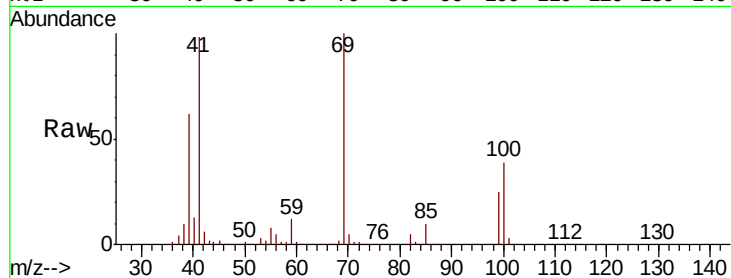
Tot Ion: 69 Resp: 1310065

Ion Ratio Lower Upper

69 100

41 98.8 76.6 114.8

100 38.9 33.8 50.6



#44

2,2,4-Trimethylpentane

Concen: 11.998 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

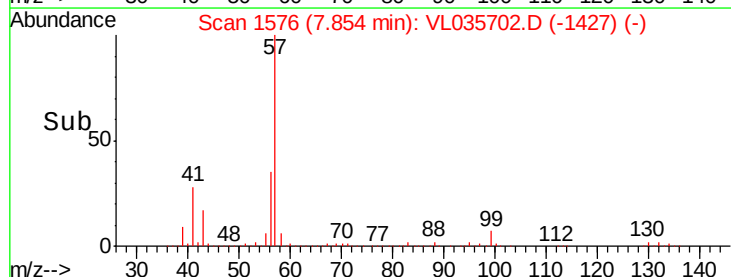
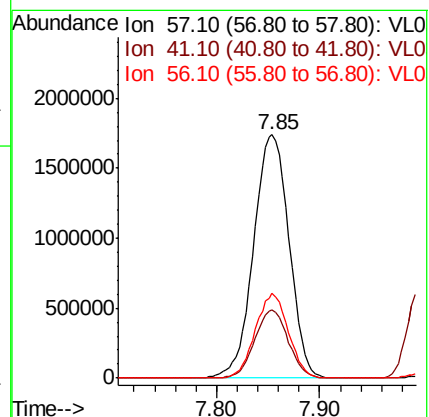
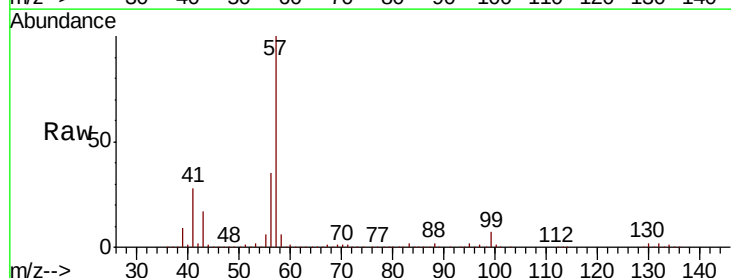
Tgt Ion: 57 Resp: 4147179

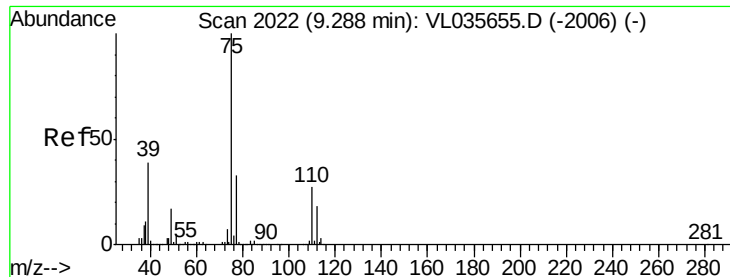
Ion Ratio Lower Upper

57 100

41 26.6 20.5 30.7

56 32.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 14.214 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampled :

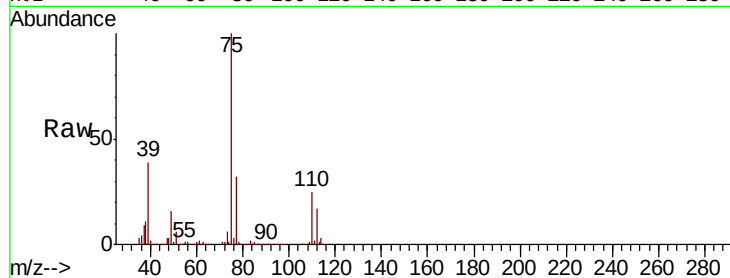
BFB

Tot Ion: 75 Resp: 1462682

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

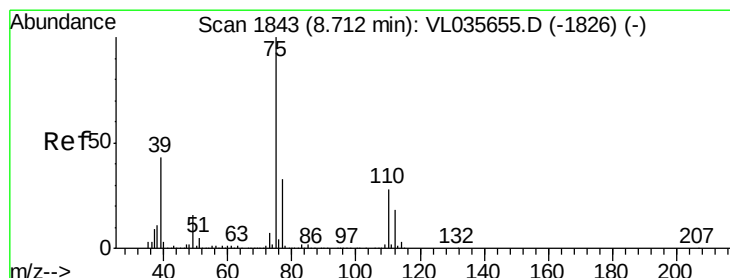
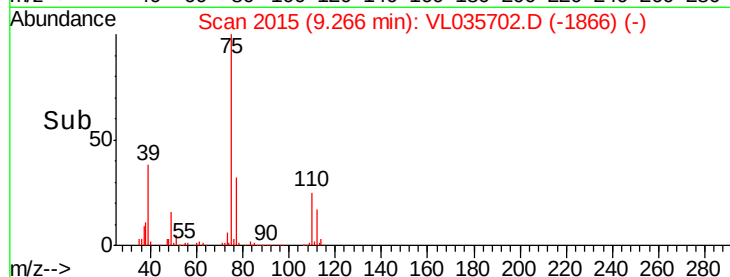
400000

200000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 13.614 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

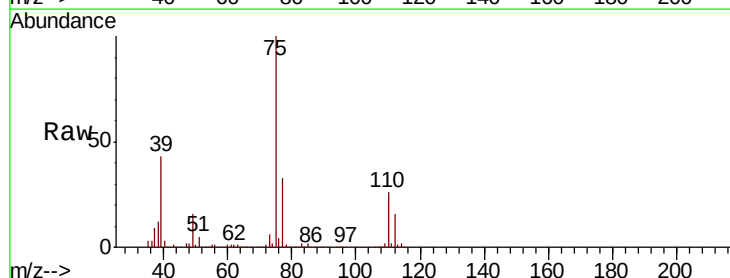
Tgt Ion: 75 Resp: 1739444

Ion Ratio Lower Upper

75 100

39 43.0 33.7 50.5

77 33.1 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

600000

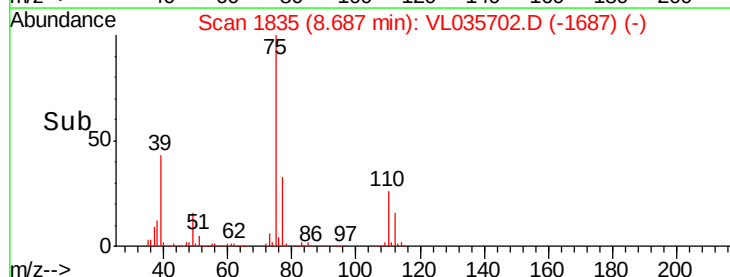
400000

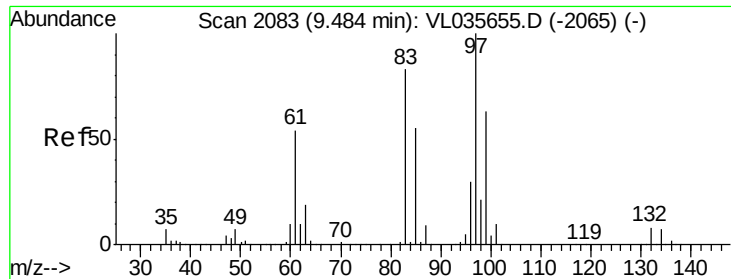
200000

0

8.60 8.65 8.70 8.75

Time-->

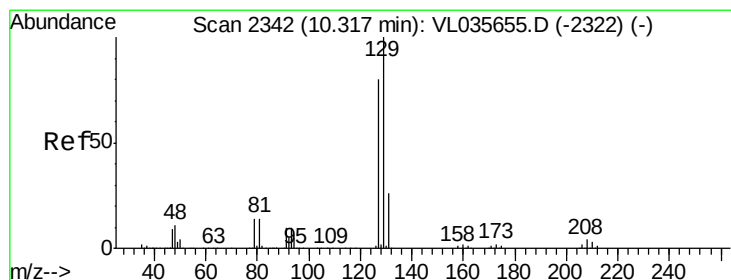
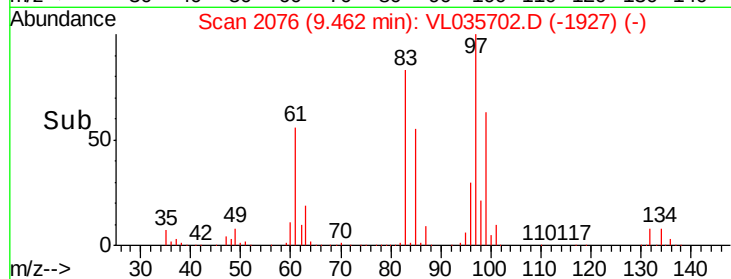
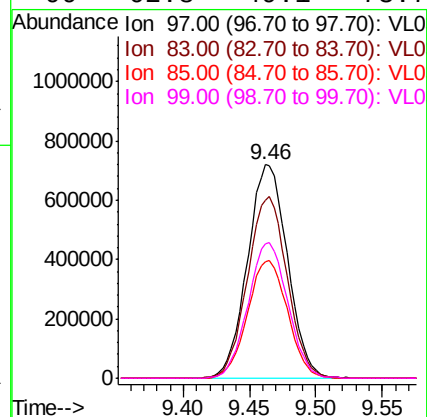
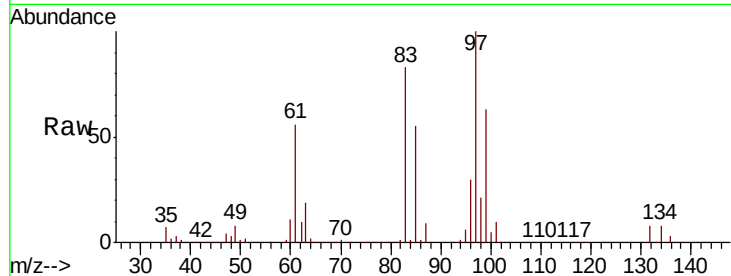




#47
 1,1,2-Trichloroethane
 Concen: 11.562 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

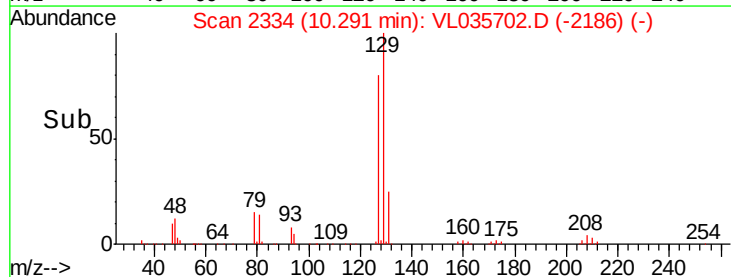
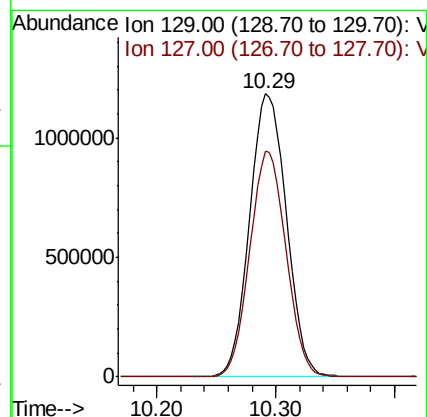
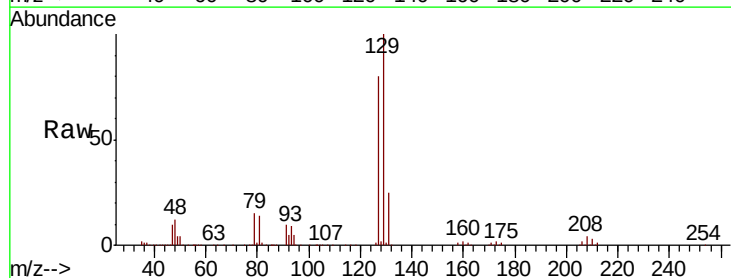
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

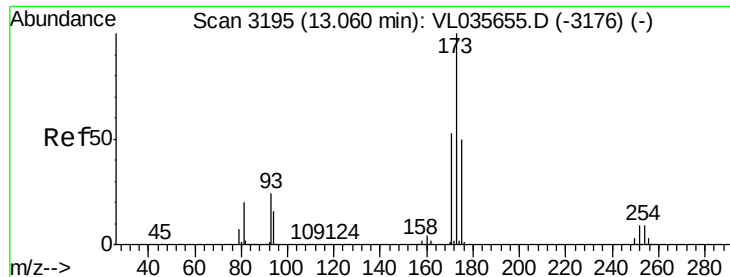
Tot Ion: 97 Resp: 1514090
 Ion Ratio Lower Upper
 97 100
 83 83.3 65.4 98.2
 85 54.6 43.7 65.5
 99 62.8 49.1 73.7



#48
 Dibromochloromethane
 Concen: 12.346 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.03 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 129 Resp: 2544522
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.3 117.8





#49

Bromoform

Concen: 12.087 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

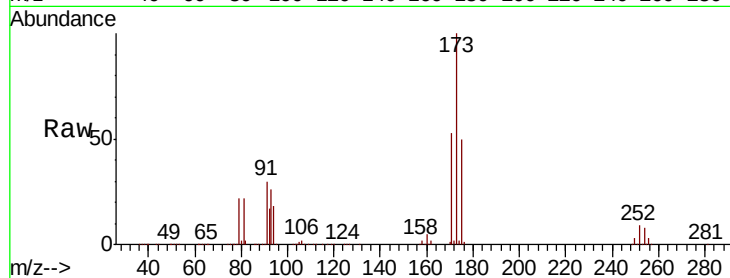
Tot Ion:173 Resp: 2257689

Ion Ratio Lower Upper

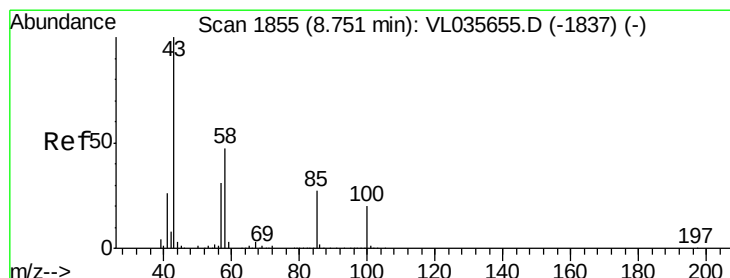
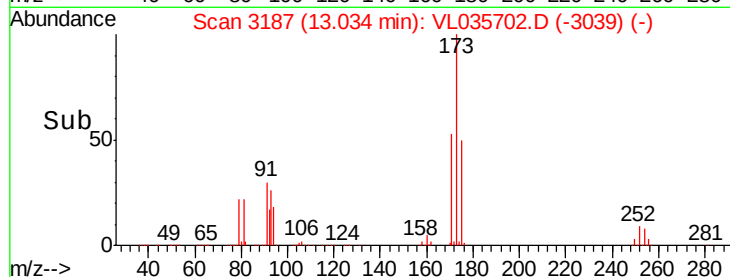
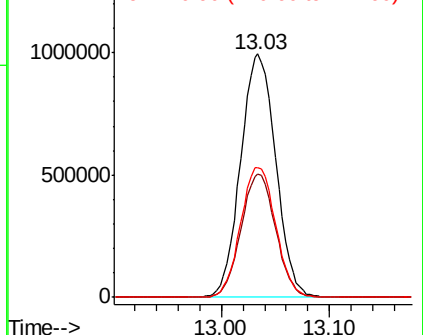
173 100

175 50.0 39.8 59.8

171 53.5 42.4 63.6



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: 12.886 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.03 min

Lab File: VL035702.D

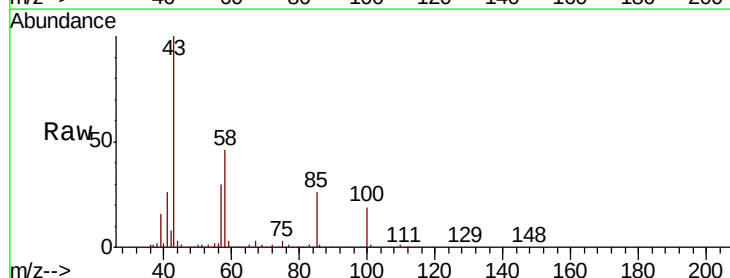
Acq: 22 Sep 2020 1:18

Tgt Ion: 43 Resp: 2247370

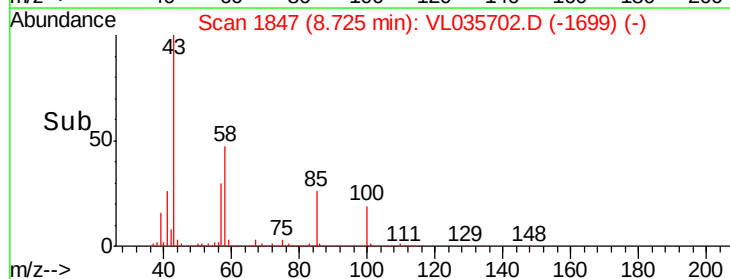
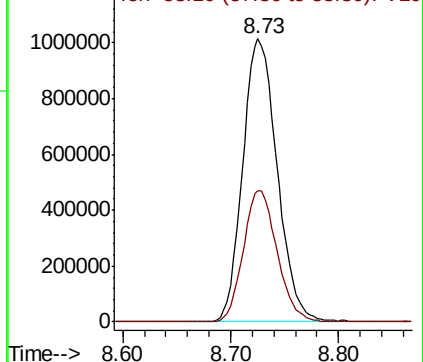
Ion Ratio Lower Upper

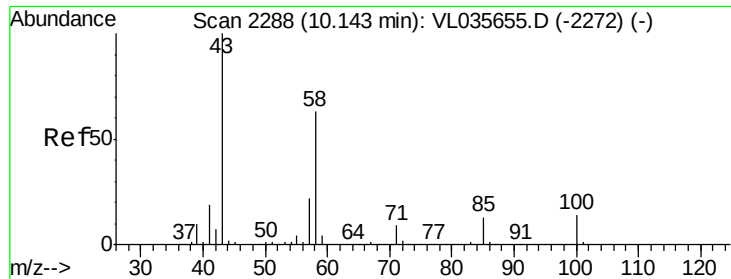
43 100

58 45.6 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

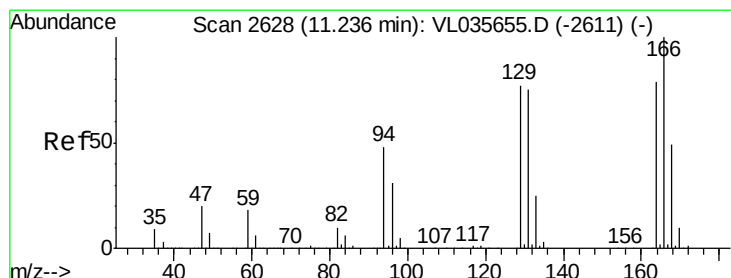
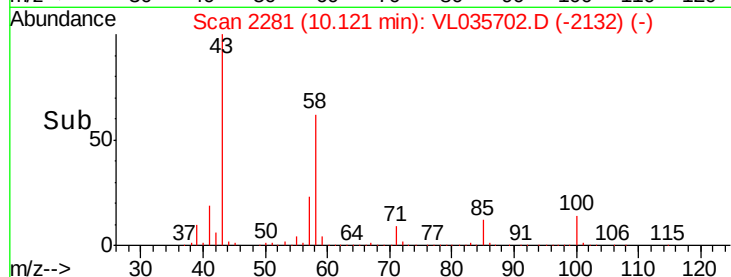
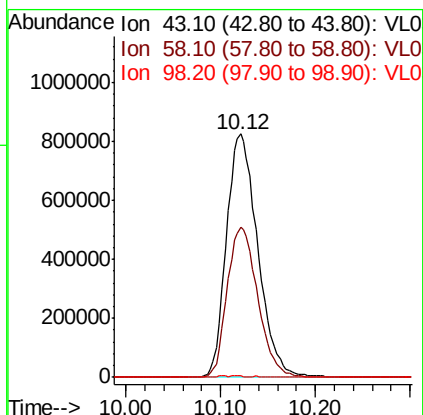
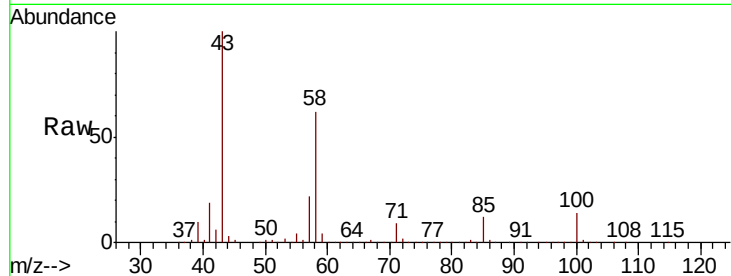




#51
2-Hexanone
Concen: 13.229 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

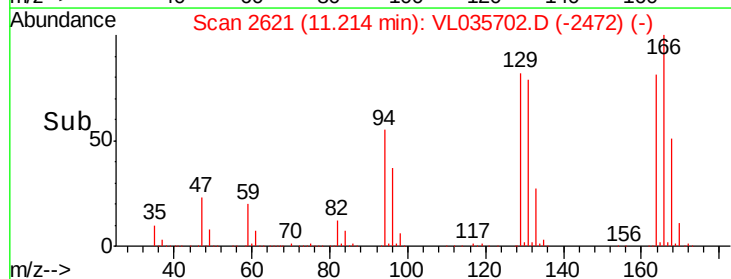
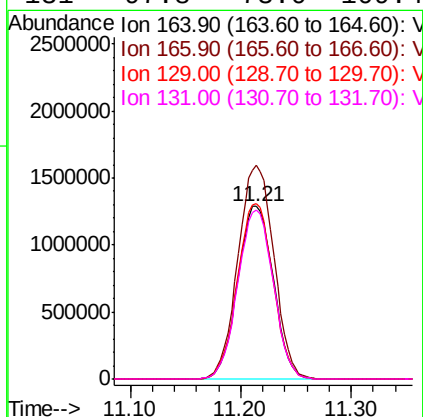
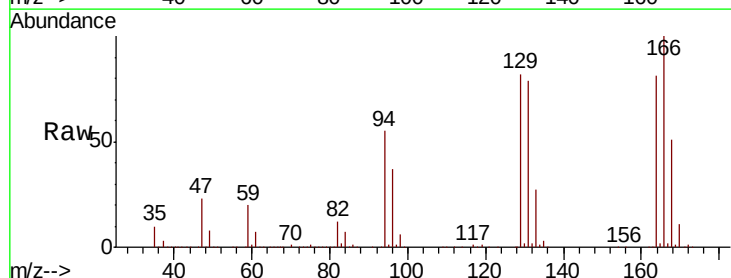
Instrument :
MSVOA_L
ClientSampleId :
BFB

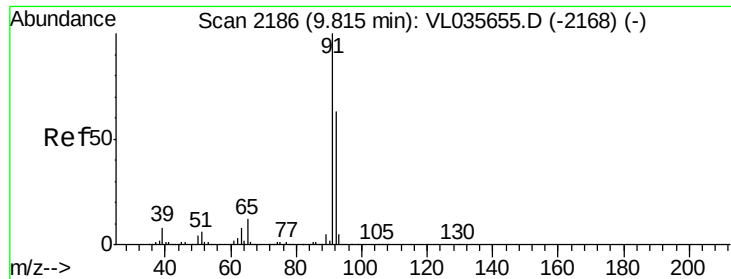
Tot Ion: 43 Resp: 1892595
Ion Ratio Lower Upper
43 100
58 60.8 50.2 75.4
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 18.800 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 164 Resp: 2885227
Ion Ratio Lower Upper
164 100
166 123.6 100.9 151.3
129 101.5 75.3 112.9
131 97.8 73.0 109.4





#53

Toluene

Concen: 11.658 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

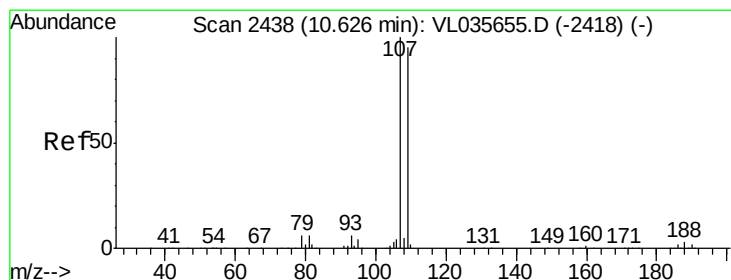
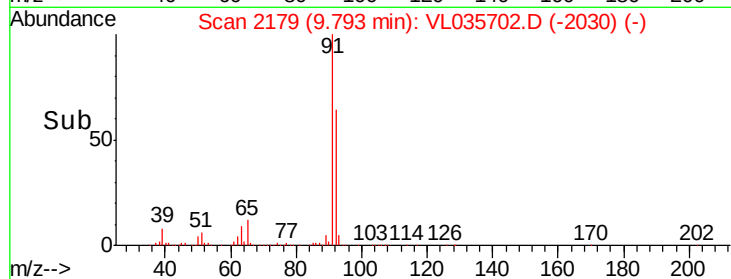
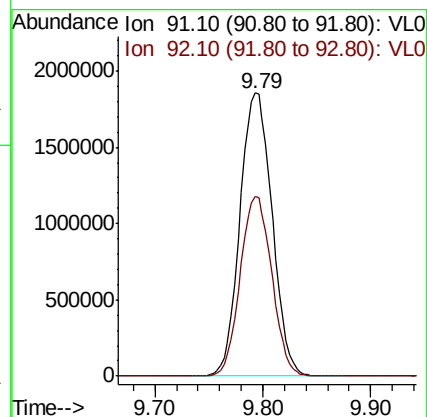
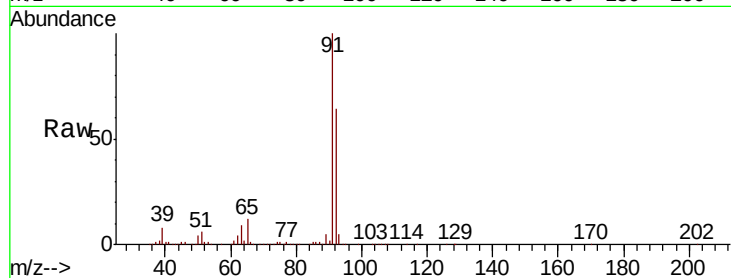
BFB

Tot Ion: 91 Resp: 3851359

Ion Ratio Lower Upper

91 100

92 62.5 49.8 74.8



#54

1,2-Dibromoethane

Concen: 11.472 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.03 min

Lab File: VL035702.D

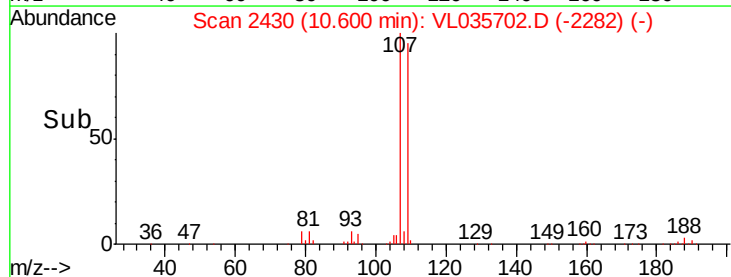
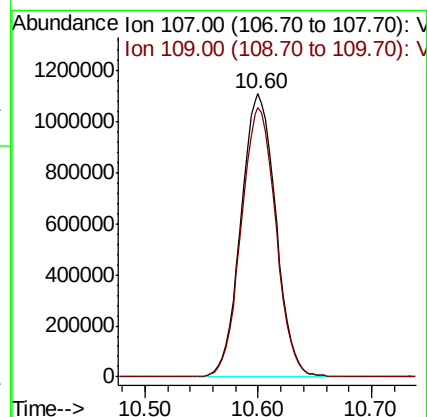
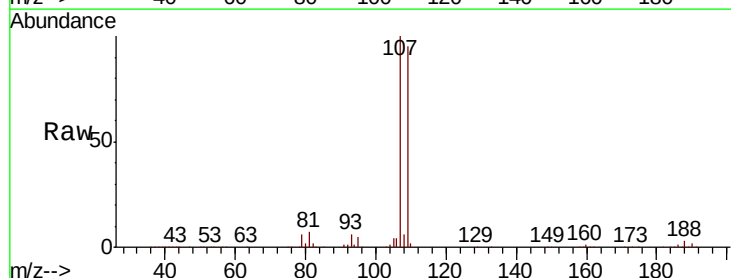
Acq: 22 Sep 2020 1:18

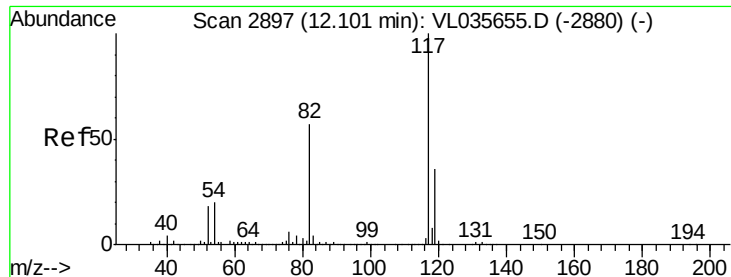
Tgt Ion: 107 Resp: 2373835

Ion Ratio Lower Upper

107 100

109 95.1 77.8 116.8

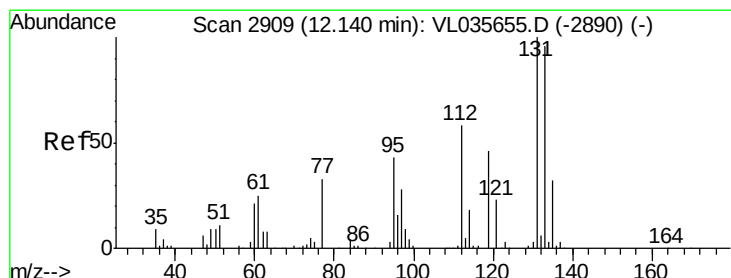
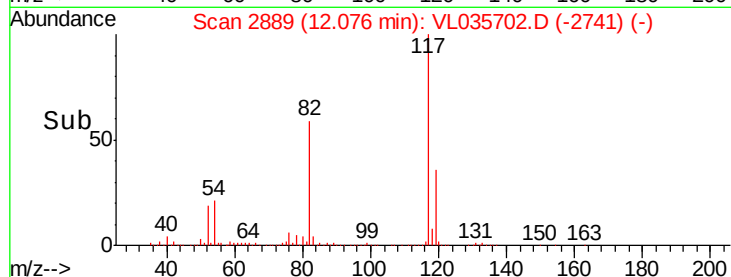
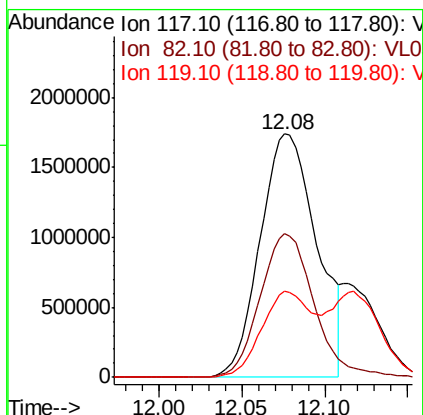
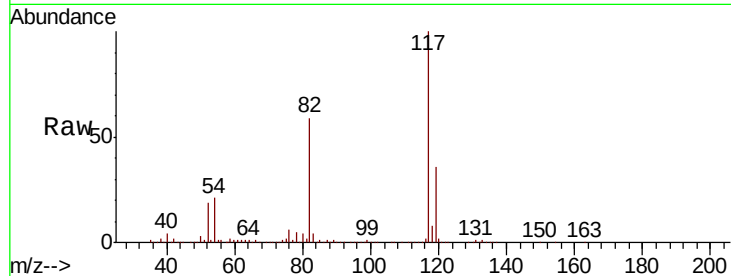




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.03 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

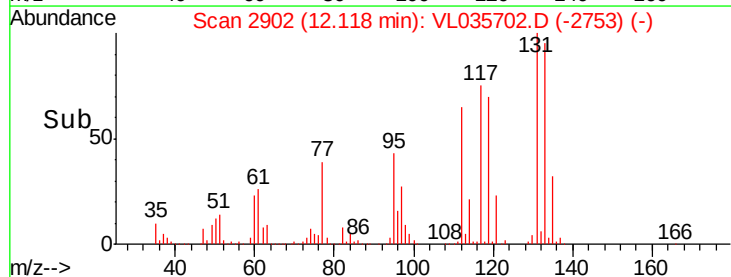
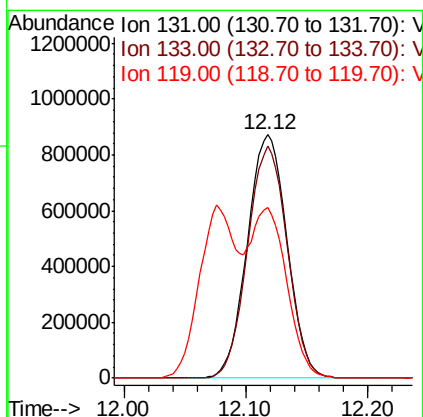
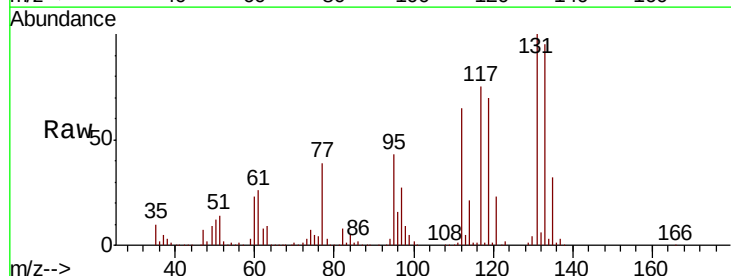
Instrument :
MSVOA_L
ClientSampled :
BFB

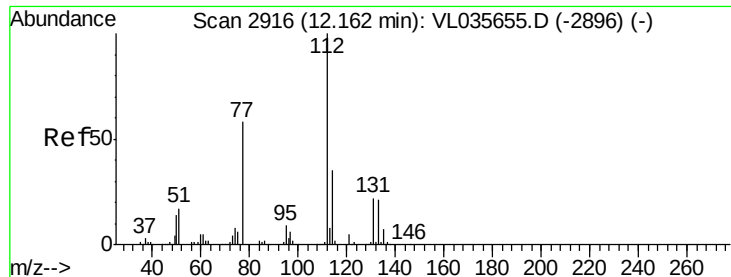
Tot Ion:117 Resp: 4128719
Ion Ratio Lower Upper
117 100
82 56.4 41.6 62.4
119 30.6 29.3 43.9



#56
1,1,1,2-Tetrachloroethane
Concen: 11.699 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion:131 Resp: 1965416
Ion Ratio Lower Upper
131 100
133 95.4 76.6 115.0
119 64.2 51.6 77.4

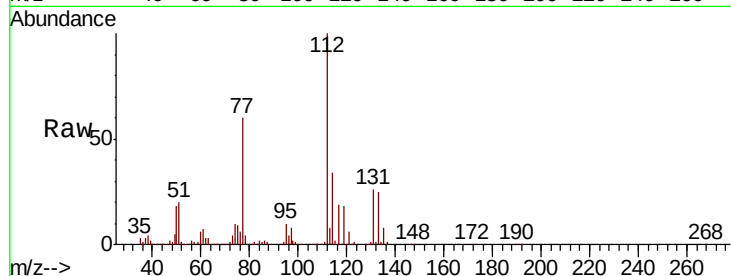




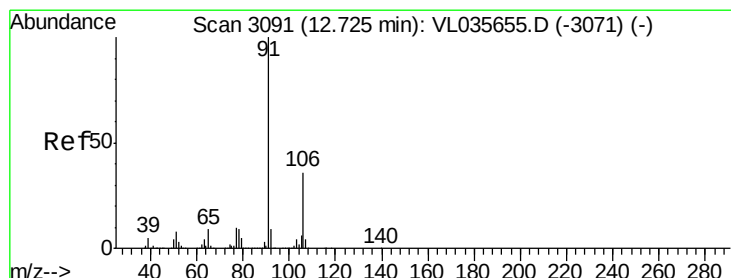
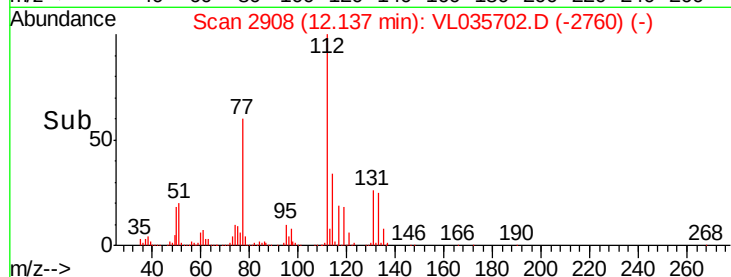
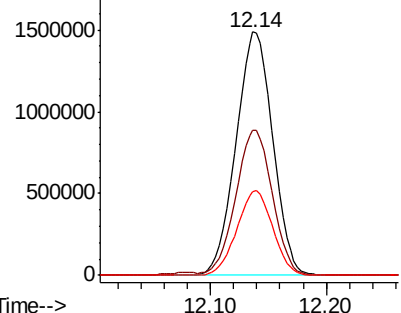
#57
Chlorobenzene
Concen: 10.817 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.03 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tot Ion:112 Resp: 3286840
Ion Ratio Lower Upper
112 100
77 59.5 44.2 66.4
114 34.4 31.6 38.6

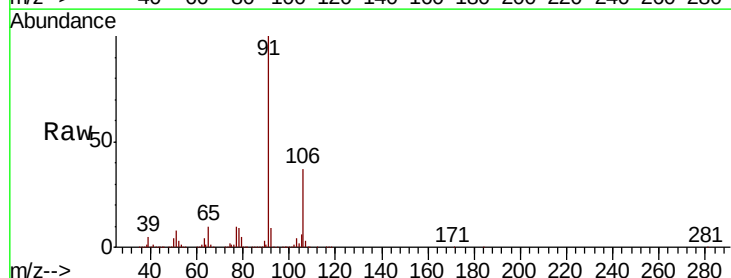


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

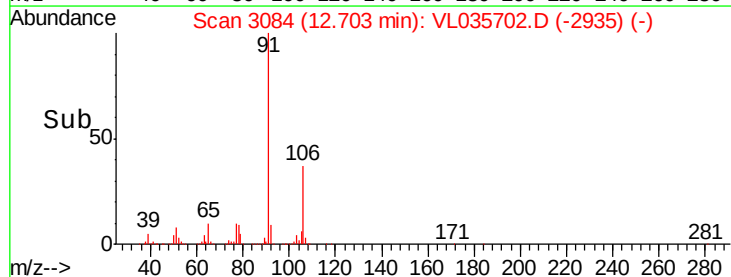
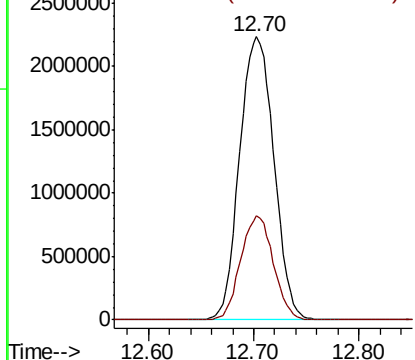


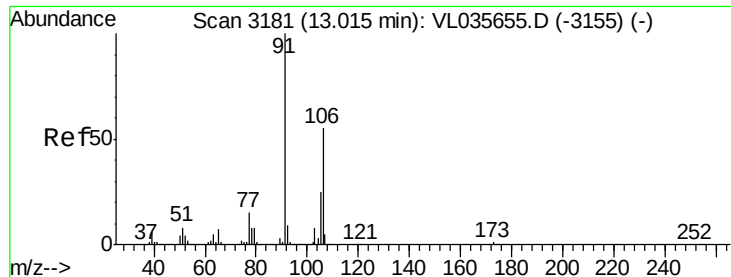
#58
Ethyl Benzene
Concen: 11.870 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 91 Resp: 5053609
Ion Ratio Lower Upper
91 100
106 37.0 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

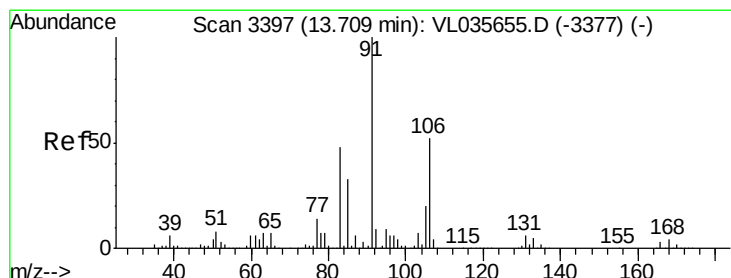
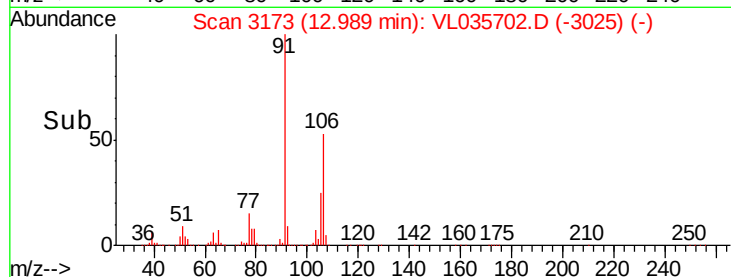
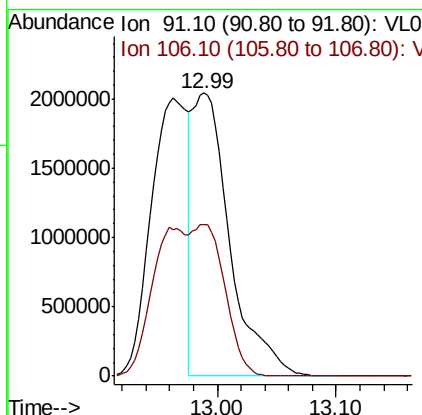
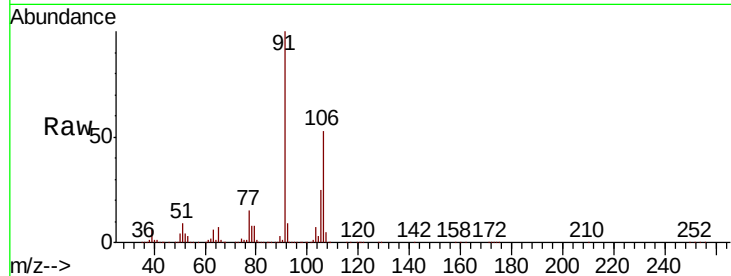




#59
m/p-Xylene
Concen: 12.516 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

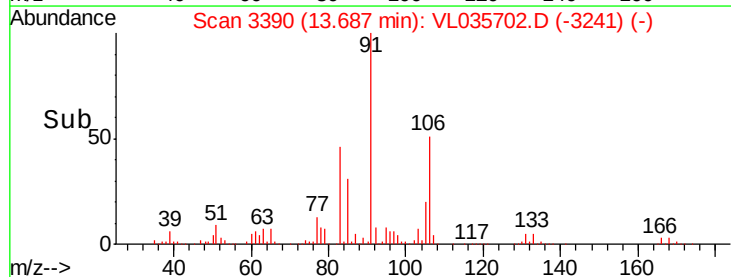
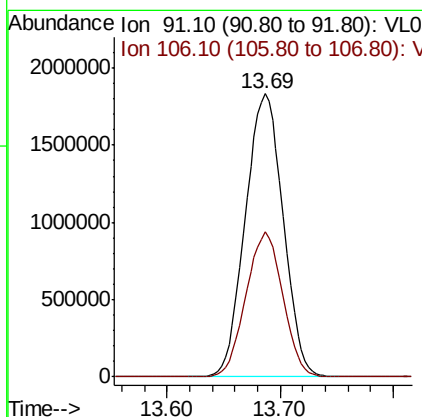
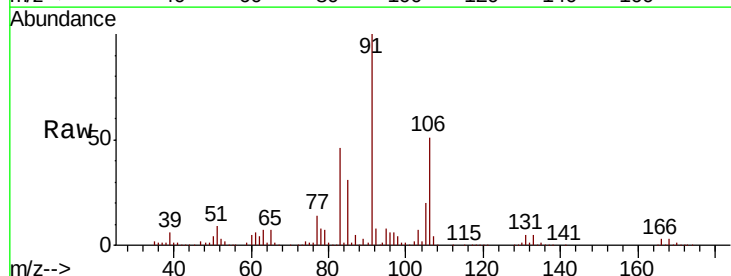
Instrument :
MSVOA_L
ClientSampleId :
BFB

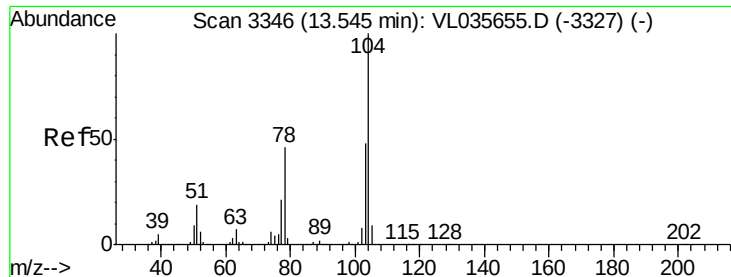
Tot Ion: 91 Resp: 4452668
Ion Ratio Lower Upper
91 100
106 97.4 43.4 65.2#



#60
o-Xylene
Concen: 11.899 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 1:18

Tgt Ion: 91 Resp: 4263614
Ion Ratio Lower Upper
91 100
106 49.9 25.8 77.4





#61

Stvrene

Concen: 12.192 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

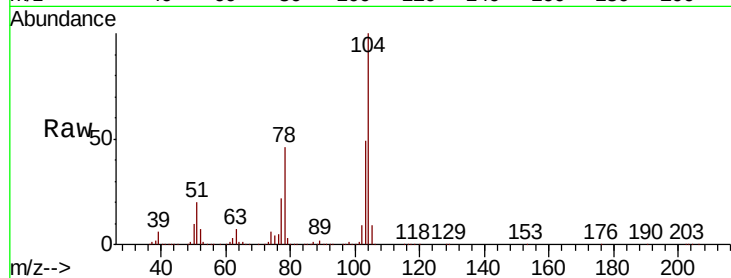
Tot Ion:104 Resp: 3340933

Ion Ratio Lower Upper

104 100

78 46.2 34.8 52.2

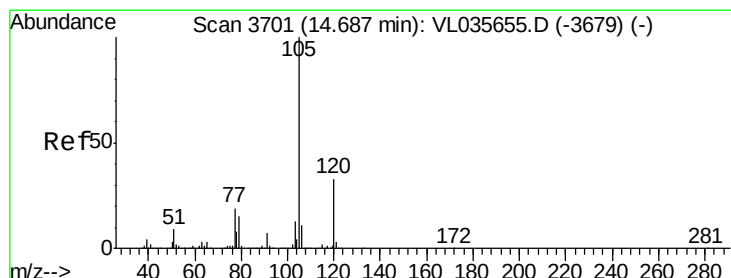
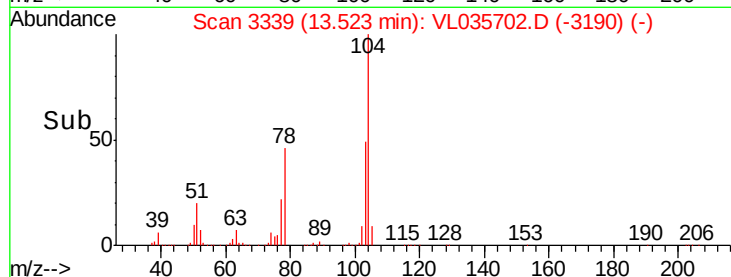
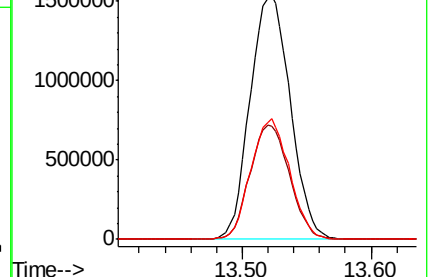
103 47.6 38.2 57.4



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: 11.132 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.02 min

Lab File: VL035702.D

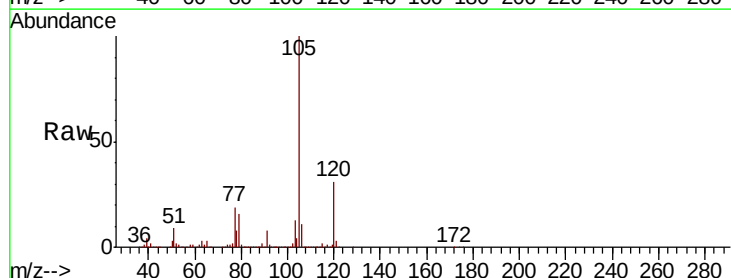
Acq: 22 Sep 2020 1:18

Tgt Ion:105 Resp: 6407117

Ion Ratio Lower Upper

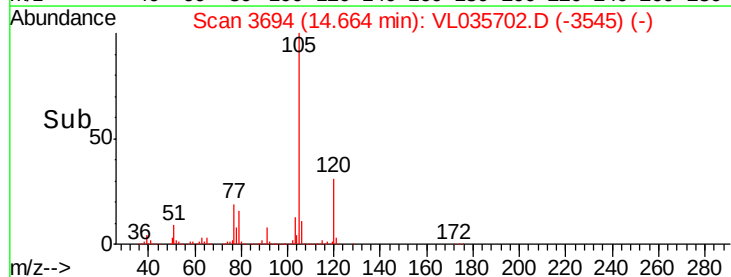
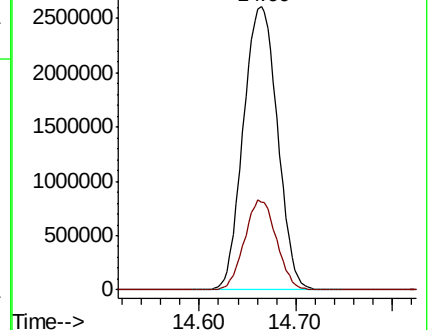
105 100

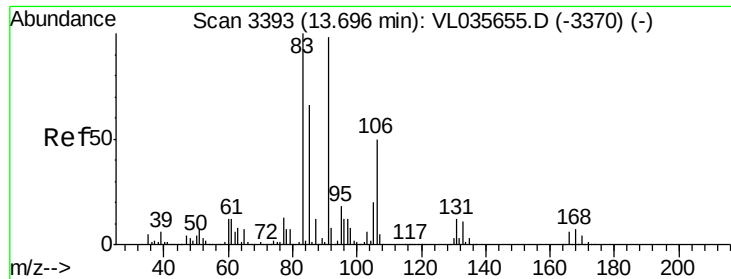
120 29.7 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

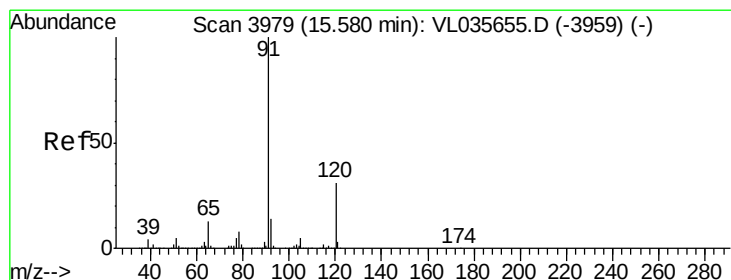
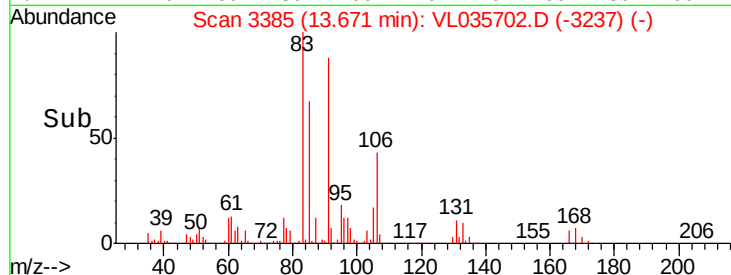
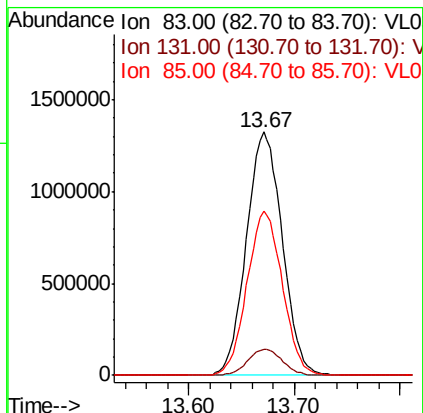
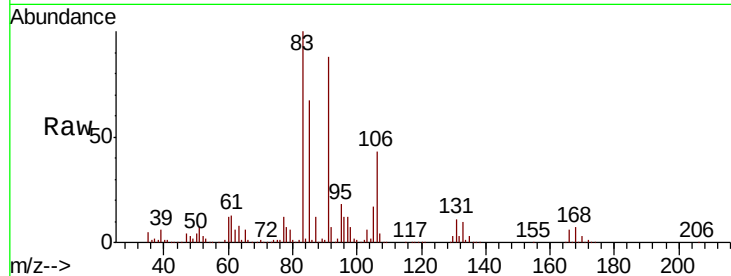




#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.280 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.03 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

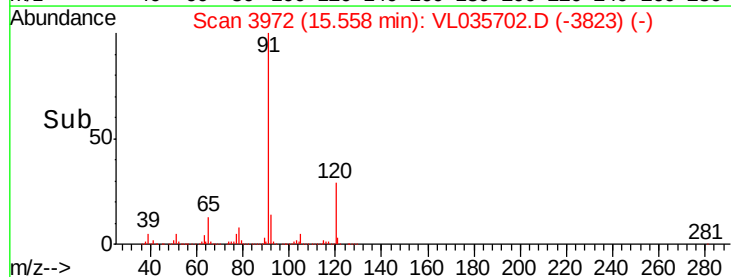
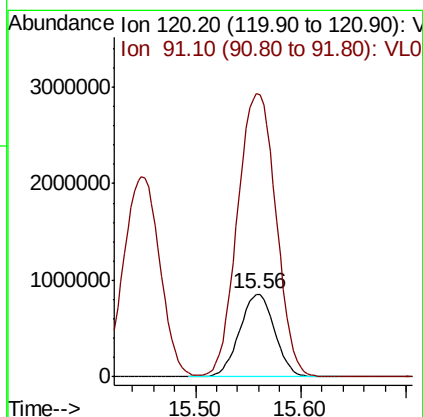
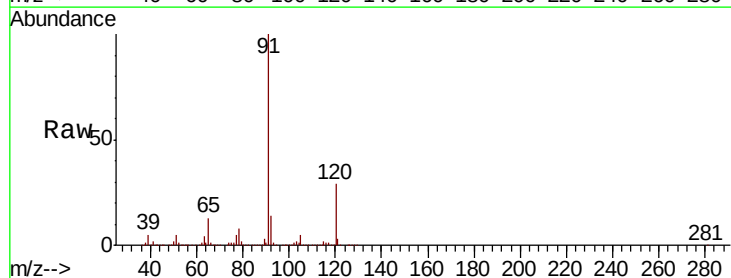
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

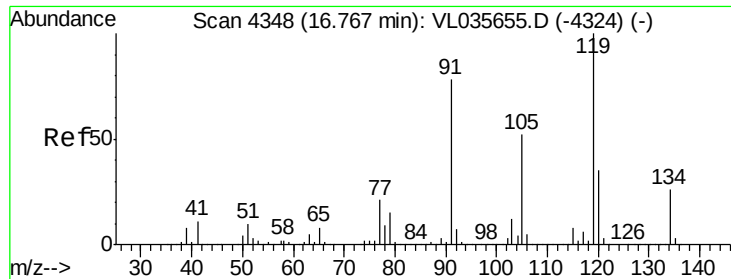
Tot Ion: 83 Resp: 3133656
 Ion Ratio Lower Upper
 83 100
 131 10.5 6.0 18.0
 85 66.6 33.4 100.2



#64
 n-propylbenzene
 Concen: 11.295 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion:120 Resp: 1983884
 Ion Ratio Lower Upper
 120 100
 91 376.4 279.4 419.0

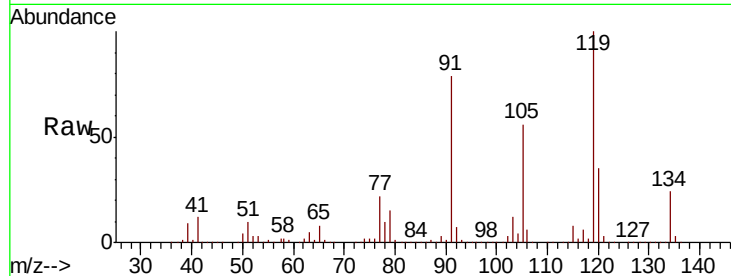




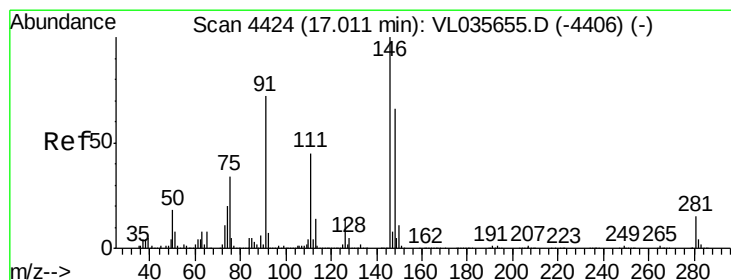
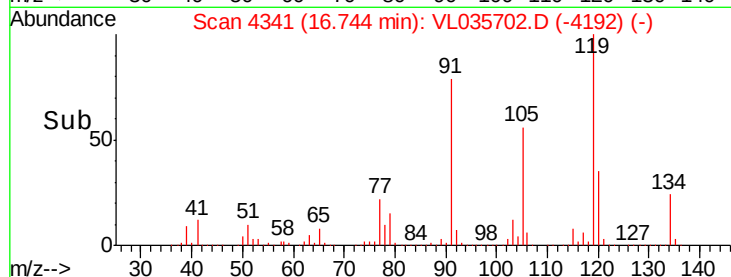
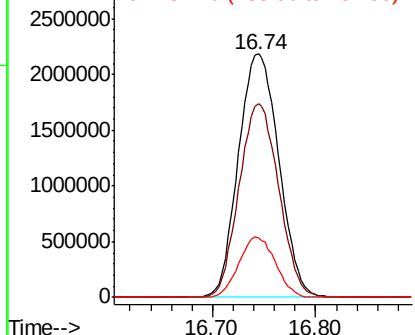
#65
 tert-Butylbenzene
 Concen: 11.135 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

Tot Ion:119 Resp: 5957553
 Ion Ratio Lower Upper
 119 100
 91 77.9 58.6 87.8
 134 22.4 18.9 28.3

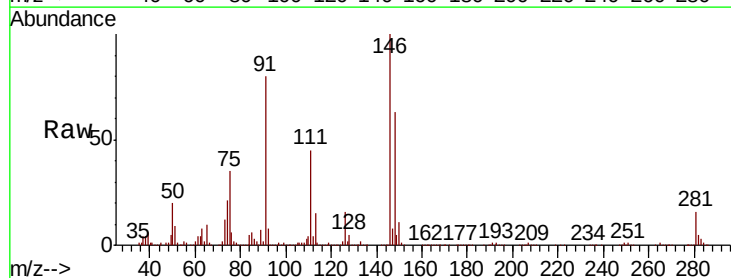


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

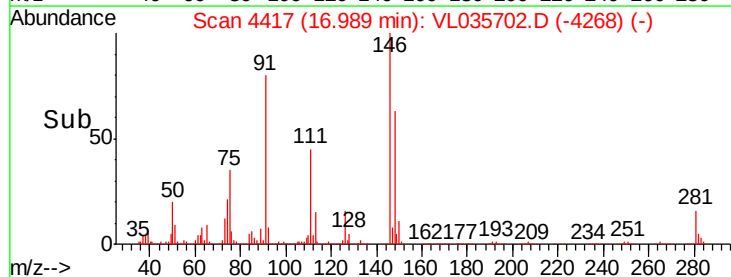
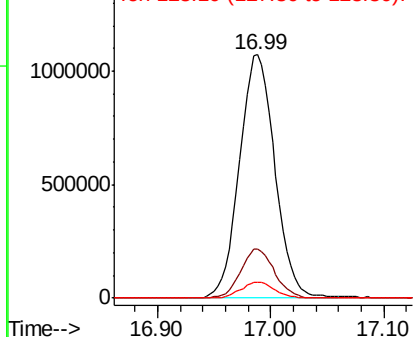


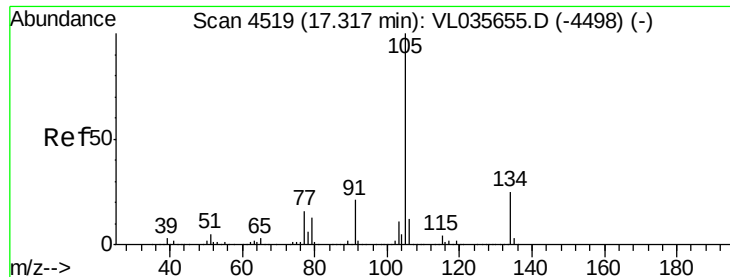
#66
 Benzyl Chloride
 Concen: 17.555 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 91 Resp: 2334284
 Ion Ratio Lower Upper
 91 100
 126 19.4 17.2 25.8
 128 6.3 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

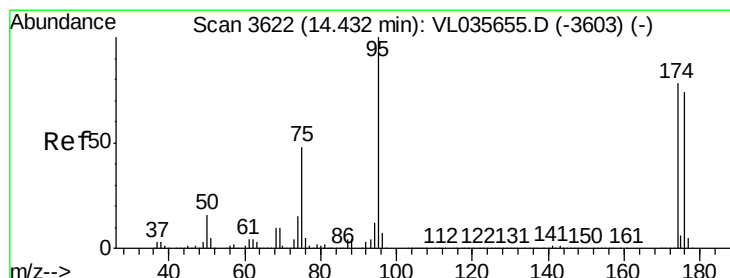
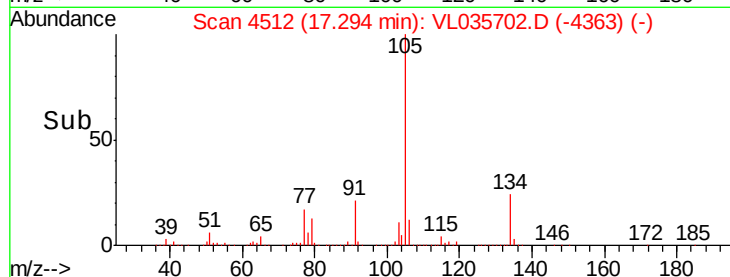
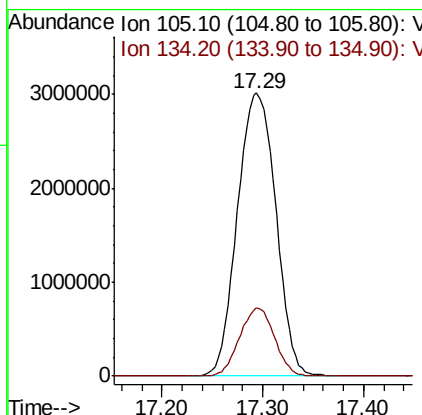
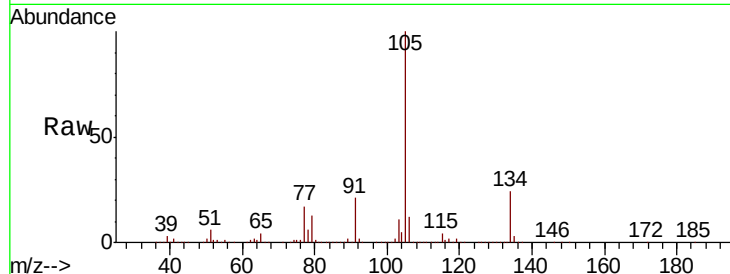




#67
 sec-Butylbenzene
 Concen: 11.196 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

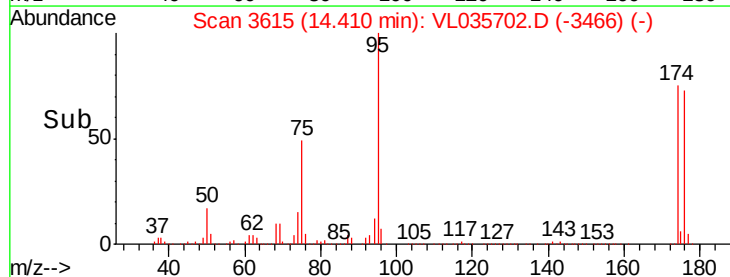
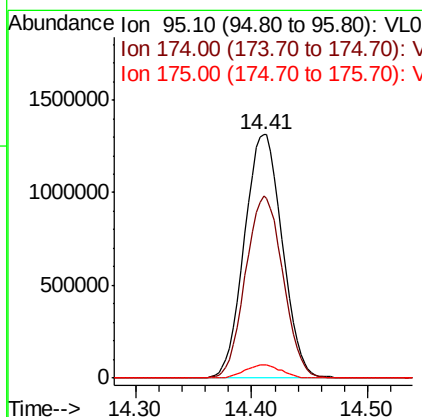
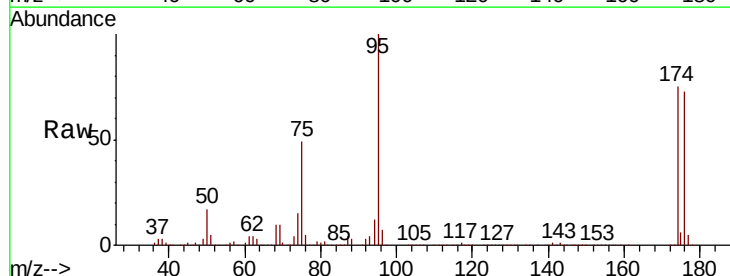
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

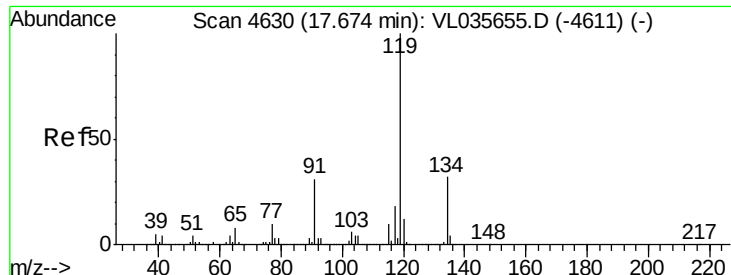
Tot Ion:105 Resp: 7980800
 Ion Ratio Lower Upper
 105 100
 134 21.9 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.192 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 95 Resp: 2988165
 Ion Ratio Lower Upper
 95 100
 174 74.3 69.6 104.4
 175 5.3 5.1 7.7

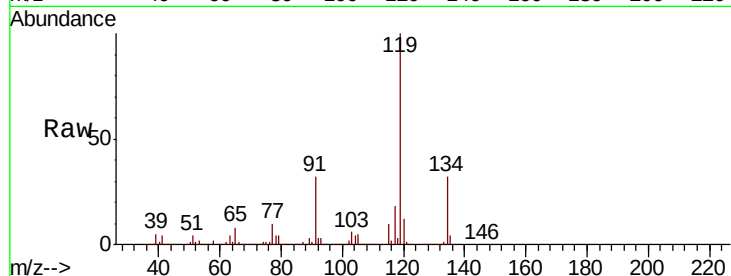




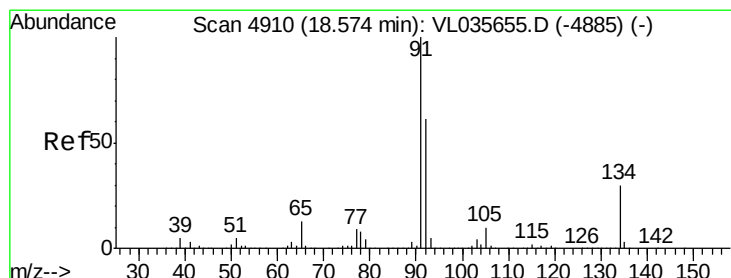
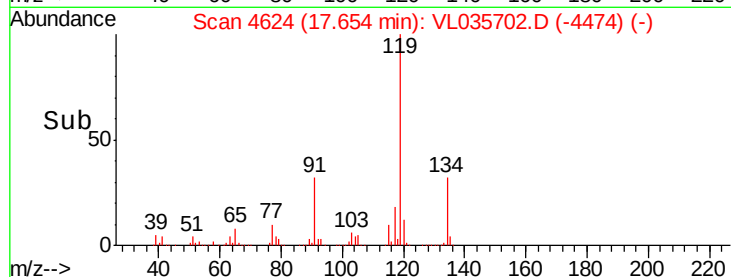
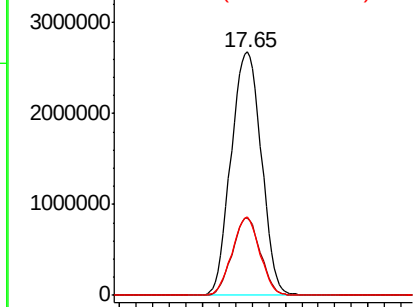
#69
 p-Isopropyltoluene
 Concen: 10.897 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tot Ion:119 Resp: 6813838
 Ion Ratio Lower Upper
 119 100
 134 29.6 25.0 37.4
 91 29.5 22.3 33.5

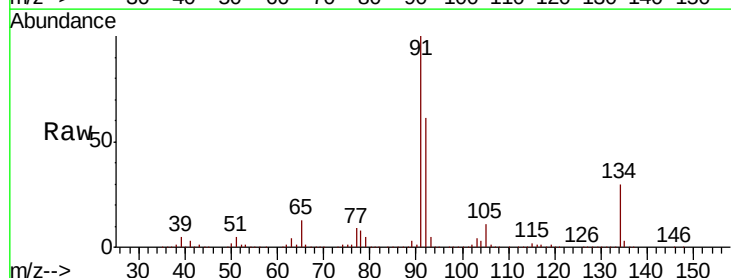


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

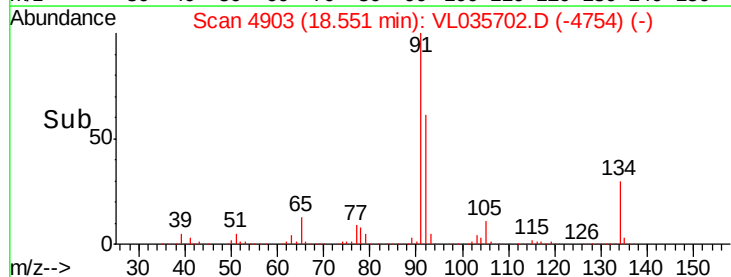
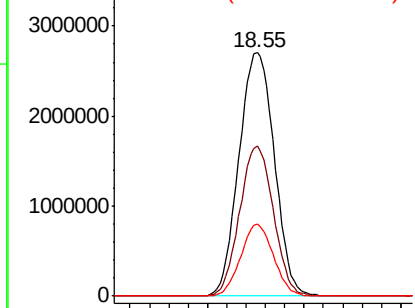


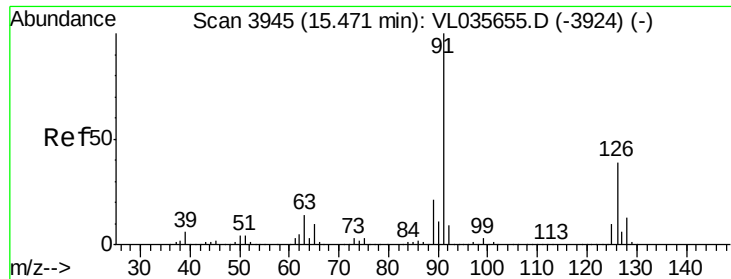
#70
 n-Butylbenzene
 Concen: 11.452 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion: 91 Resp: 6897426
 Ion Ratio Lower Upper
 91 100
 92 58.7 47.3 70.9
 134 27.4 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

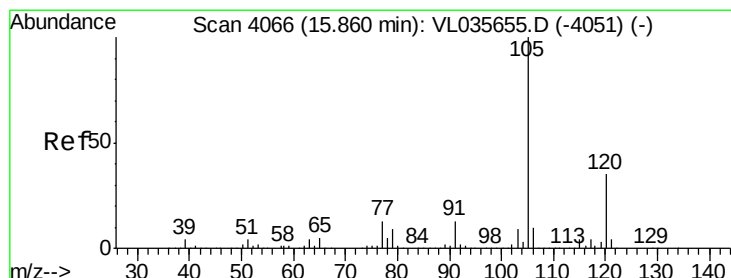
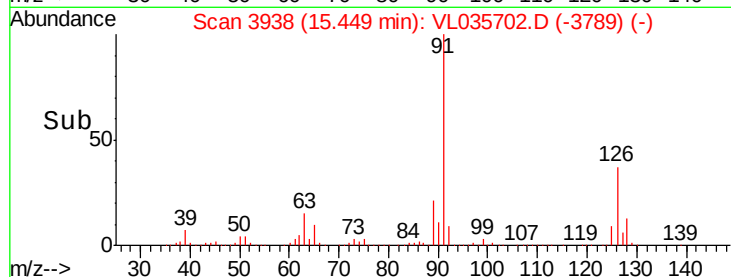
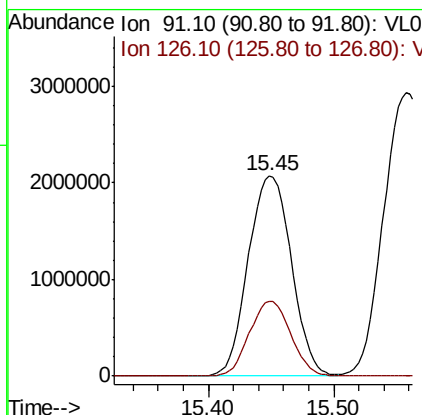
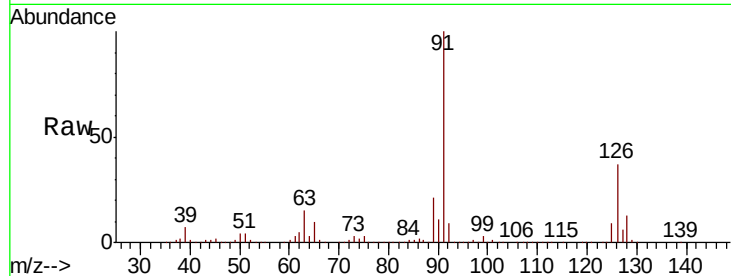




#71
 2-Chlorotoluene
 Concen: 11.832 ppbv
 RT: 15.45 min Scan# 3938
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

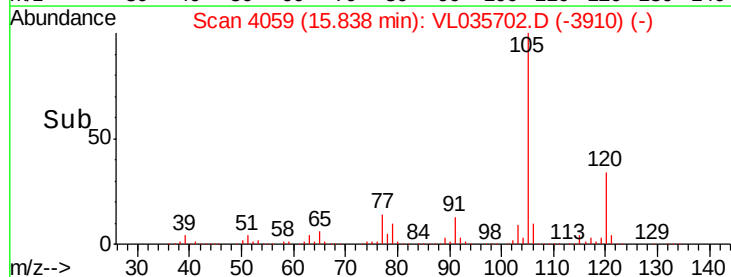
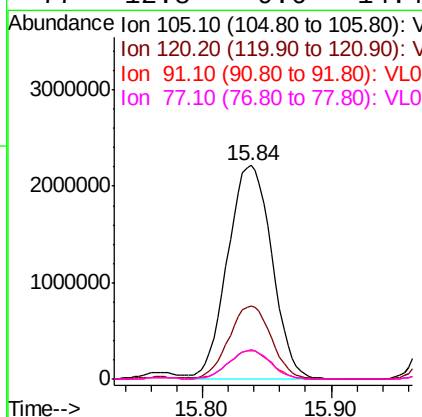
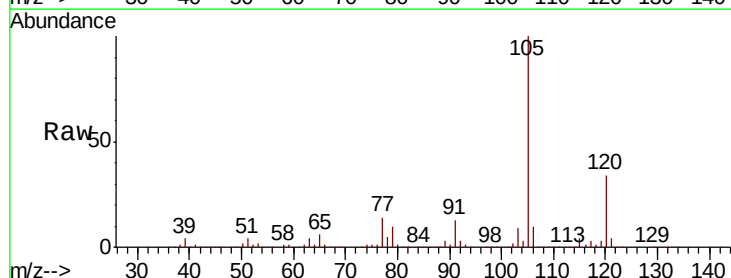
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

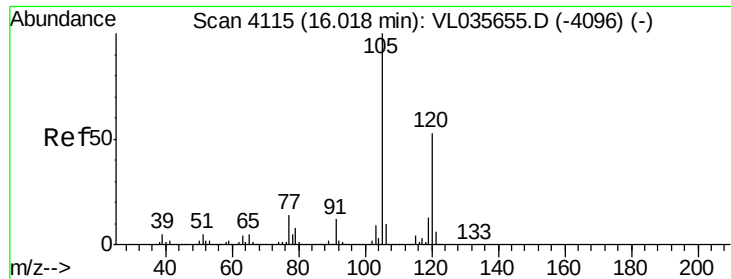
Tot Ion: 91 Resp: 4959393
 Ion Ratio Lower Upper
 91 100
 126 35.7 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 11.588 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion:105 Resp: 5278815
 Ion Ratio Lower Upper
 105 100
 120 33.0 27.4 41.2
 91 12.8 9.7 14.5
 77 12.8 9.6 14.4

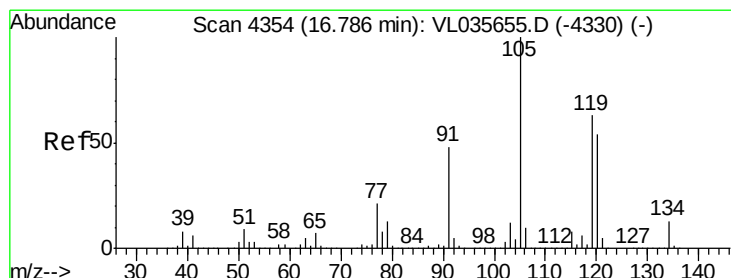
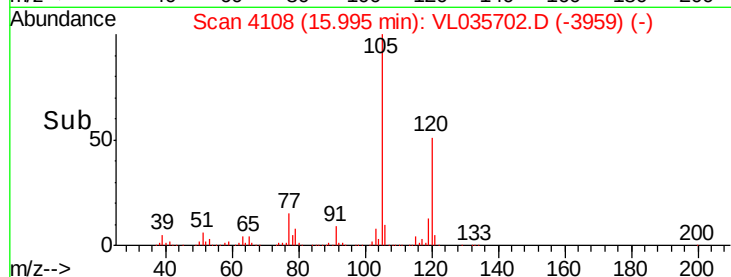
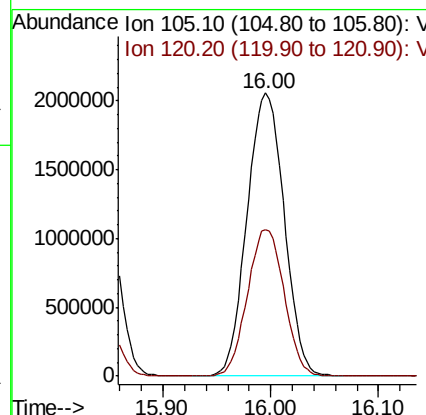
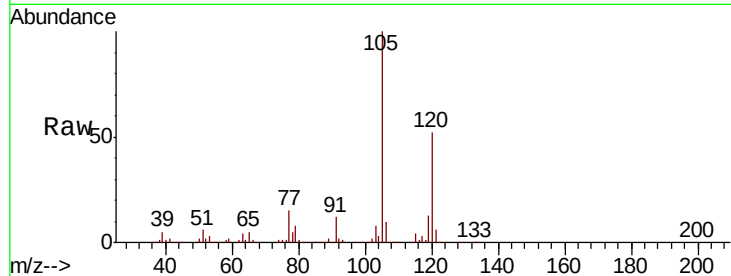




#73
 1,3,5-Trimethylbenzene
 Concen: 11.685 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

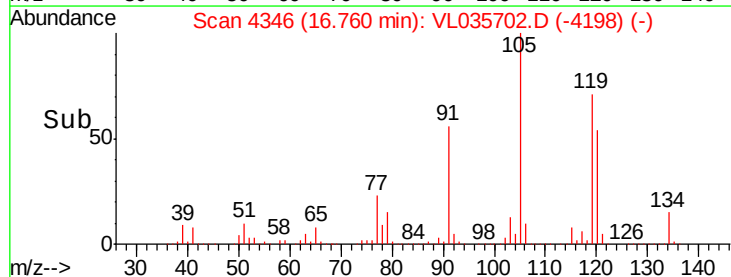
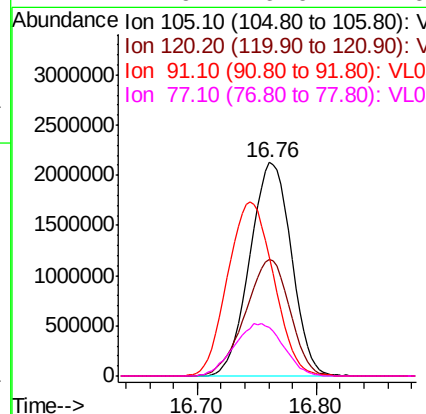
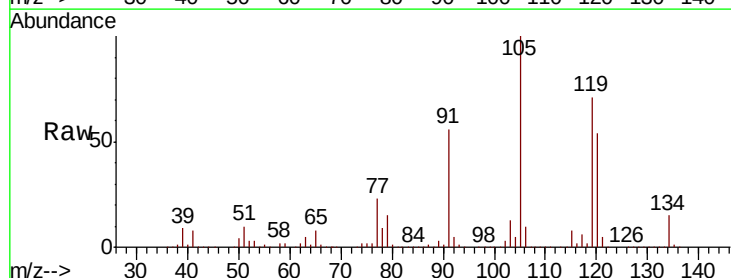
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

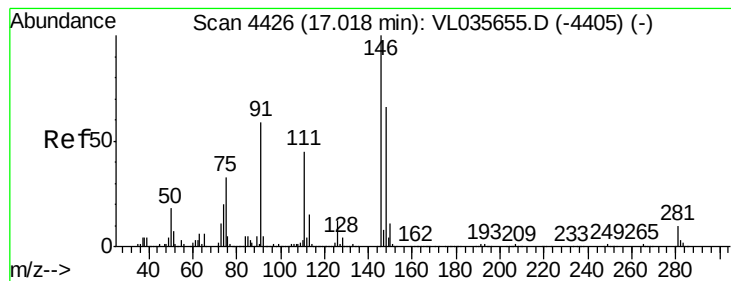
Tot Ion:105 Resp: 4923312
 Ion Ratio Lower Upper
 105 100
 120 51.9 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 11.145 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.03 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion:105 Resp: 5156673
 Ion Ratio Lower Upper
 105 100
 120 54.1 44.4 66.6
 91 55.6 37.1 55.7
 77 22.9 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 10.037 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

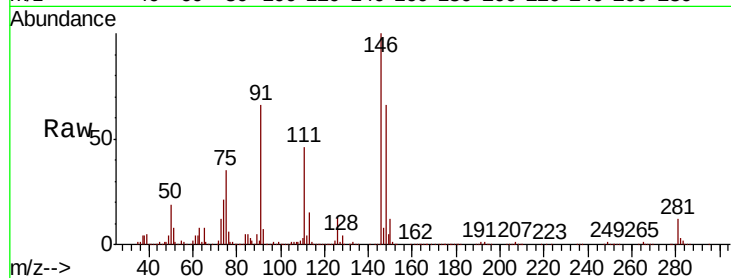
MSVOA_L

ClientSampleId :

BFB

Tot Ion:146 Resp: 3439837

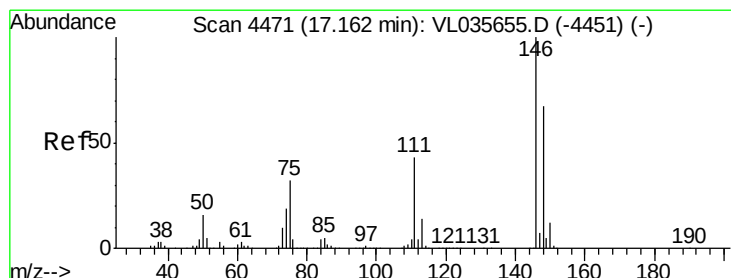
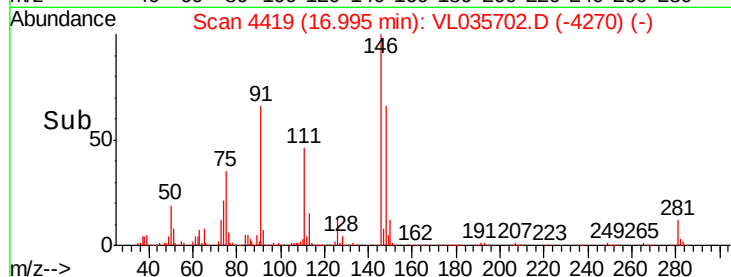
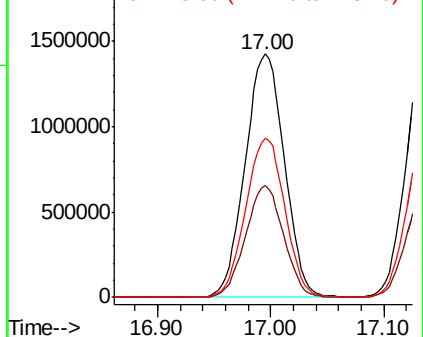
Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.7	62.1
148	65.3	33.0	98.9



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: 10.211 ppbv

RT: 17.14 min Scan# 4463

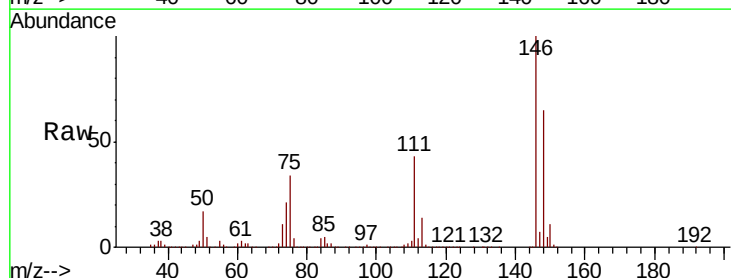
Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Tgt Ion:146 Resp: 3451381

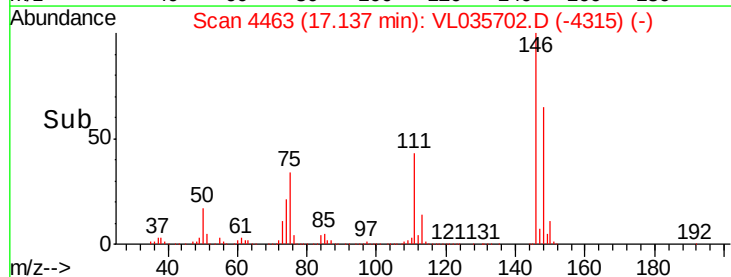
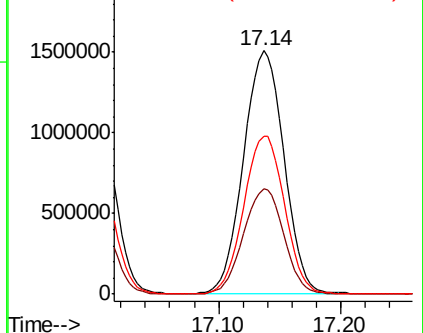
Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.0	60.0
148	66.0	33.2	99.6

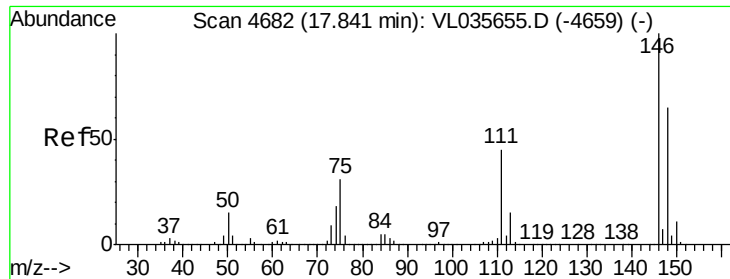


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

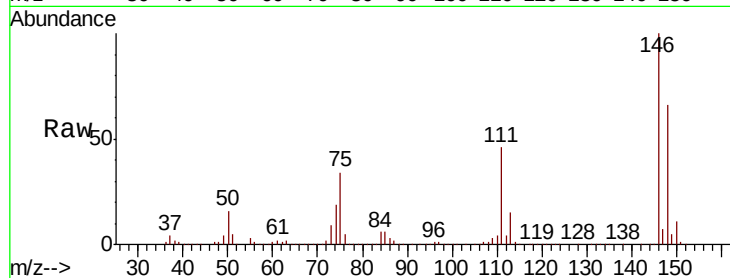




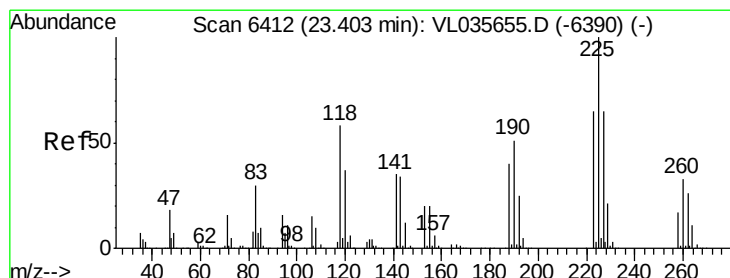
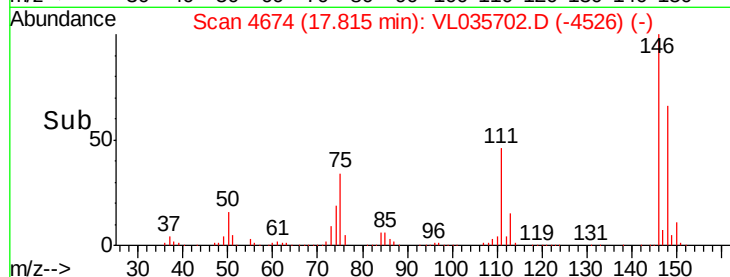
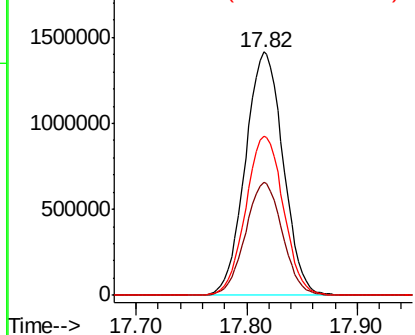
#77
 1,2-Dichlorobenzene
 Concen: 10.150 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.03 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

Tot Ion:146 Resp: 3370398
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.1 63.3
 148 65.3 32.9 98.7

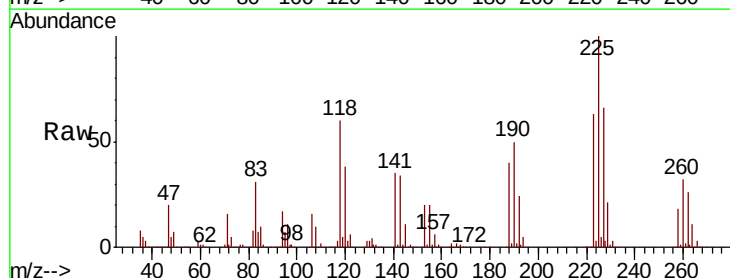


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

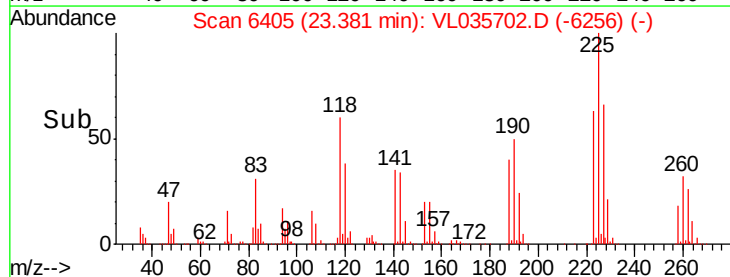
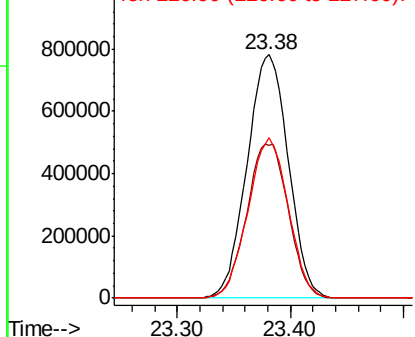


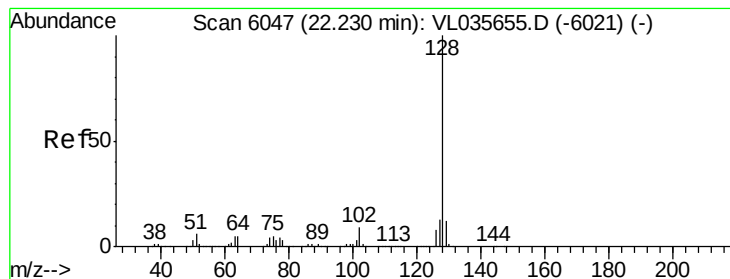
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.353 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 1:18

Tgt Ion:225 Resp: 1982681
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.7 77.5
 227 64.3 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.071 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

MSVOA_L

ClientSampleId :

BFB

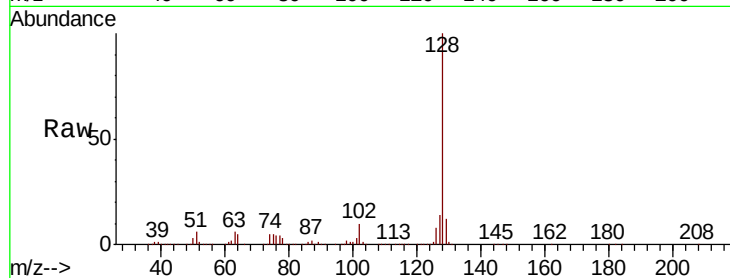
Tot Ion:128 Resp: 5683852

Ion Ratio Lower Upper

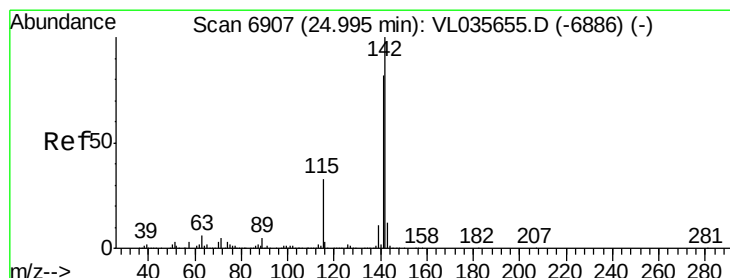
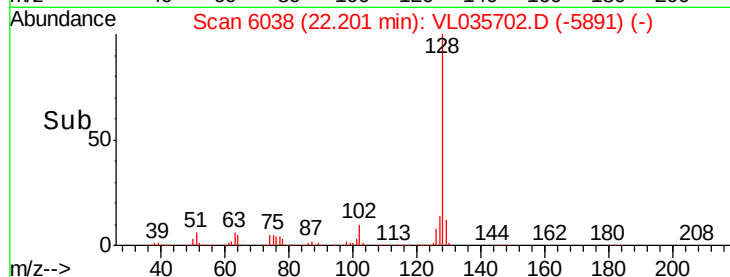
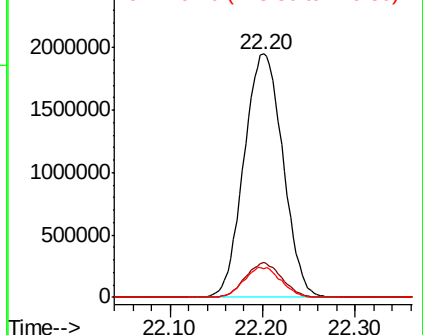
128 100

127 14.1 11.4 17.2

129 11.9 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: 12.341 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

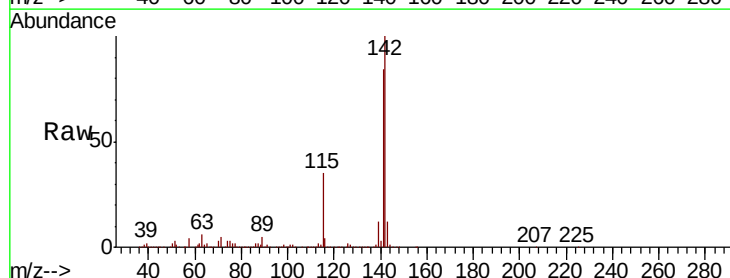
Tgt Ion:142 Resp: 2162527

Ion Ratio Lower Upper

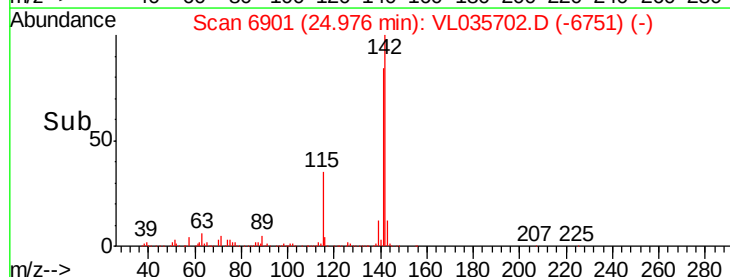
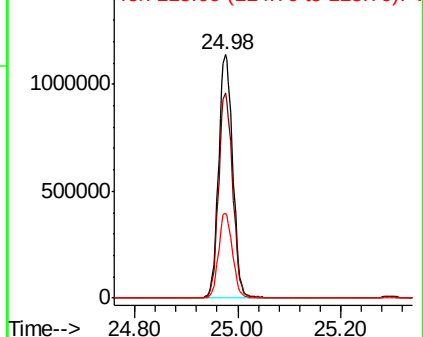
142 100

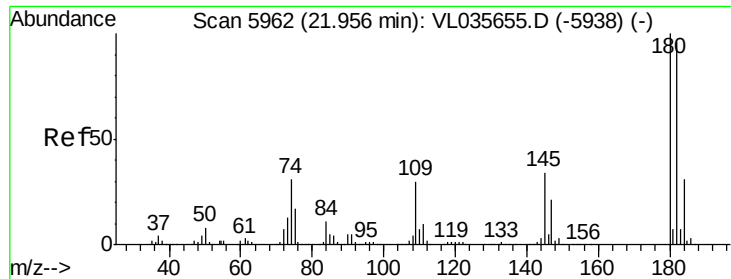
141 84.2 67.6 101.4

115 34.2 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: 9.453 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. -0.03 min

Lab File: VL035702.D

Acq: 22 Sep 2020 1:18

Instrument :

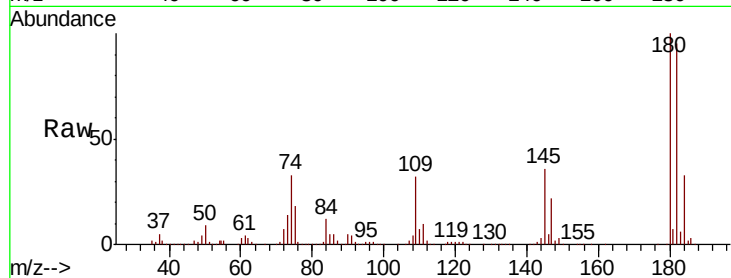
MSVOA_L

ClientSampleId :

BFB

Tot Ion:180 Resp: 2906297

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
184	31.3	25.3	37.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

