

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035790.D
 Acq On : 19 Oct 2020 10:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

Quant Time: Oct 20 08:08:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1085404	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4103389	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	5055679	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3049332	8.05	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1790888	10.056	ppbv	99
3) Chlorodifluoromethane	2.97	51	1114059	9.541	ppbv	99
4) Chloromethane	3.12	50	594228	9.473	ppbv	99
5) Vinyl Chloride	3.23	62	688437	9.279	ppbv	98
6) Bromomethane	3.45	94	583620	9.305	ppbv	99
7) Chloroethane	3.53	64	256675	9.433	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1993514	9.229	ppbv	99
9) Propene	2.99	41	425333	10.032	ppbv	98
10) Heptane	8.11	43	1254307	10.612	ppbv	99
11) Trichlorofluoromethane	3.93	101	2355468	9.270	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1742281	9.198	ppbv	99
13) Ethanol	3.58	45	91087	8.712	ppbv	97
14) Bromoethene	3.72	108	768746	9.634	ppbv	100
15) Acetone	3.83	43	980056	8.391	ppbv	100
16) 1,3-Butadiene	3.30	39	444733	10.409	ppbv	96
17) tert-Butyl alcohol	4.27	59	1304626	10.255	ppbv	99
18) 1,1-Dichloroethene	4.27	96	800546	9.652	ppbv	95
19) Isopropyl Alcohol	3.94	45	614389	9.671	ppbv	99
20) Methylene Chloride	4.32	84	645762	7.527	ppbv	97
21) Allyl Chloride	4.39	41	576792	10.189	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	832716	9.503	ppbv	97
23) Vinyl Acetate	5.05	43	1469730	10.274	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1454660	9.336	ppbv	99
25) Ethyl Acetate	5.66	43	2037985	9.698	ppbv	99
26) Hexane	5.67	57	1116365	9.694	ppbv	98
27) Carbon Disulfide	4.53	76	1809347	10.541	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1904847	10.435	ppbv	100
29) Chloroform	5.74	83	2219232	9.489	ppbv	98
30) Cyclohexane	7.11	84	1191558	10.487	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1169361	10.519	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2170347	10.528	ppbv	100
34) 2-Butanone	5.22	43	1383118	10.191	ppbv	99
35) Carbon Tetrachloride	7.00	117	2242359	10.481	ppbv	98
36) Benzene	6.87	78	2763611	10.336	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1394109	10.004	ppbv	99
38) Trichloroethene	7.82	130	1365921	10.241	ppbv	98
39) 1,2-Dichloropropane	7.60	63	960542	9.911	ppbv	98
40) 1,4-Dioxane	7.81	88	445695	10.056	ppbv	# 1
41) Tetrahydrofuran	6.03	42	776861	11.362	ppbv	98
42) Bromodichloromethane	7.78	83	2322911	10.348	ppbv	97
43) Methyl Methacrylate	8.00	69	1173657	11.037	ppbv	98

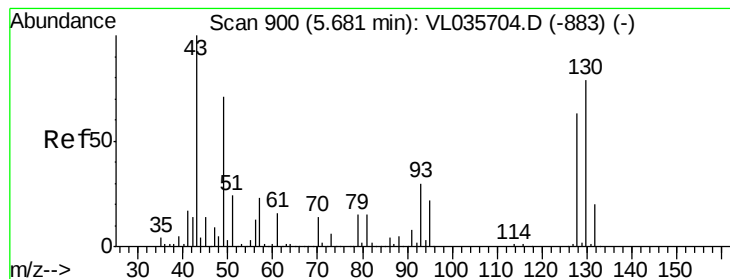
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3838159	10.004	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1317251	12.269	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1570220	11.865	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1331648	9.593	ppbv	98
48) Dibromochloromethane	10.29	129	2265030	10.721	ppbv	100
49) Bromoform	13.03	173	2012125	11.225	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2088761	10.537	ppbv	99
51) 2-Hexanone	10.12	43	1755523	10.991	ppbv	99
52) Tetrachloroethene	11.21	164	1283837	9.985	ppbv	98
53) Toluene	9.79	91	3475706	11.024	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2124491	10.221	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1756519	8.286	ppbv	97
57) Chlorobenzene	12.14	112	2918051	7.642	ppbv	99
58) Ethyl Benzene	12.70	91	4575877	9.018	ppbv	98
59) m/p-Xylene	12.99	91	4018137	9.067	ppbv #	36
60) o-Xylene	13.69	91	3836125	8.558	ppbv	99
61) Styrene	13.52	104	2976271	9.602	ppbv	100
62) Isopropylbenzene	14.66	105	5783777	8.318	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2773977	7.547	ppbv	100
64) n-propylbenzene	15.56	120	1738858	8.545	ppbv	94
65) tert-Butylbenzene	16.74	119	5316907	8.411	ppbv	100
66) Benzyl Chloride	16.99	91	1948908	10.176	ppbv	99
67) sec-Butylbenzene	17.29	105	7187222	8.233	ppbv	98
69) p-Isopropyltoluene	17.65	119	6048139	8.516	ppbv	99
70) n-Butylbenzene	18.55	91	6072160	8.303	ppbv	98
71) 2-Chlorotoluene	15.45	91	4426067	8.727	ppbv	99
72) 4-Ethyltoluene	15.84	105	4709307	8.868	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4376444	8.721	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4571723	8.082	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2965799	7.679	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3006649	8.144	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2898877	7.947	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1569018	7.796	ppbv	100
79) Naphthalene	22.20	128	4410815	8.175	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1400039	11.001	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2228582	7.970	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.03 min

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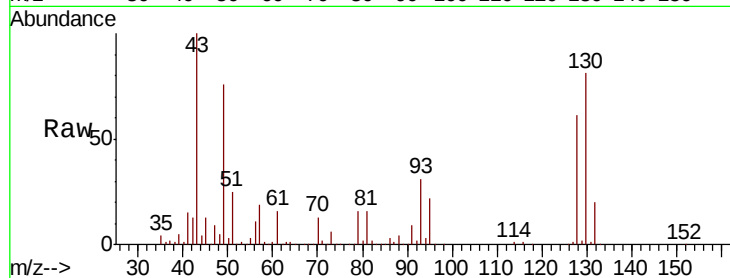
Tot Ion: 49 Resp: 1085404

Ion Ratio Lower Upper

49 100

128 81.7 43.1 129.4

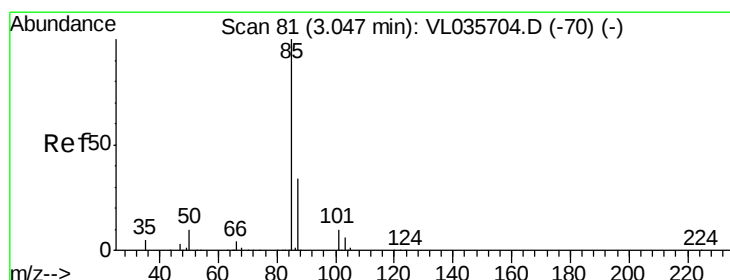
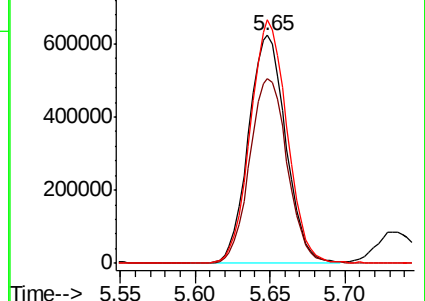
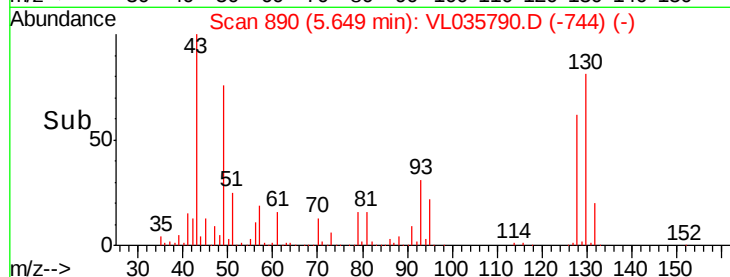
130 105.3 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.056 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035790.D

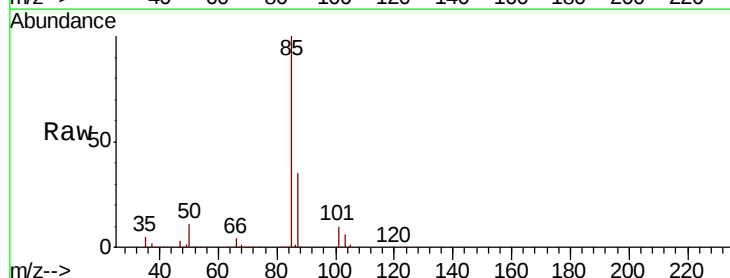
Acq: 19 Oct 2020 10:24

Tgt Ion: 85 Resp: 1790888

Ion Ratio Lower Upper

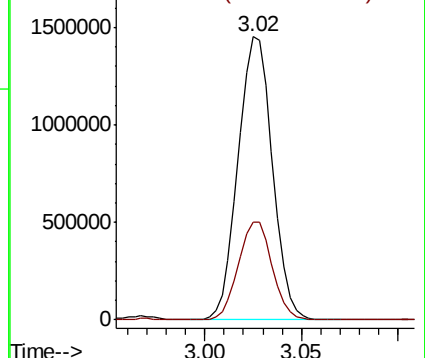
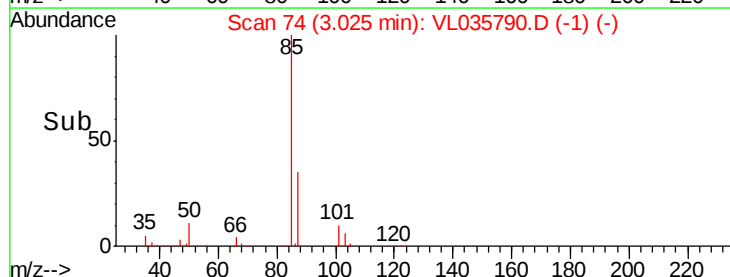
85 100

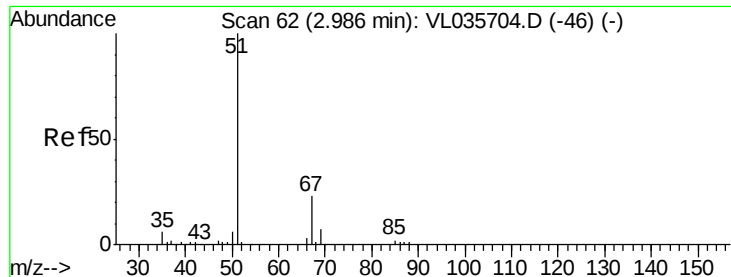
87 34.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.541 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

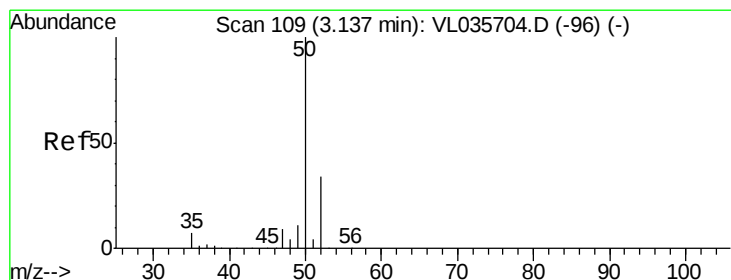
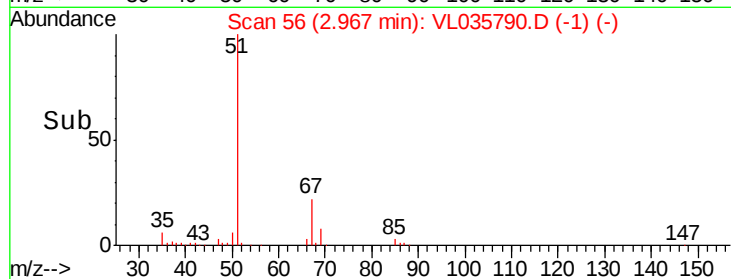
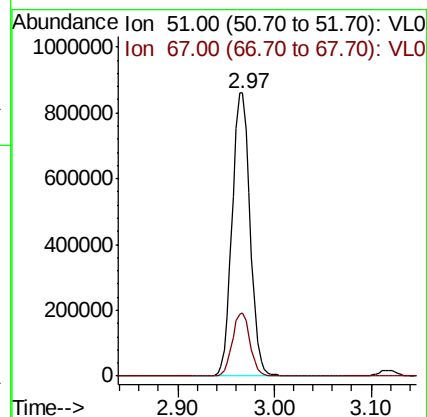
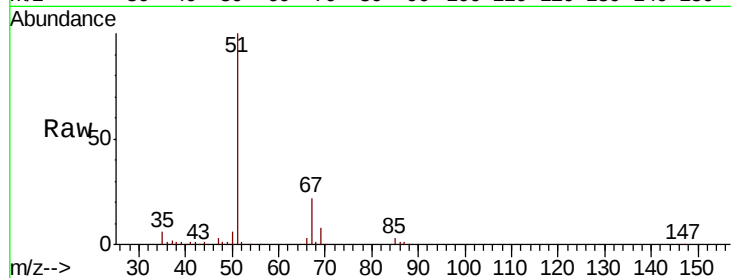
BFB77

Tot Ion: 51 Resp: 1114059

Ion Ratio Lower Upper

51 100

67 21.8 17.8 26.8



#4

Chloromethane

Concen: 9.473 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035790.D

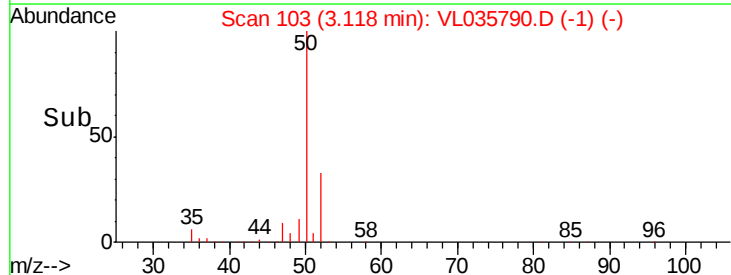
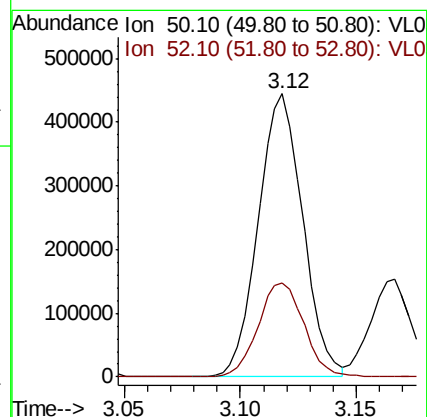
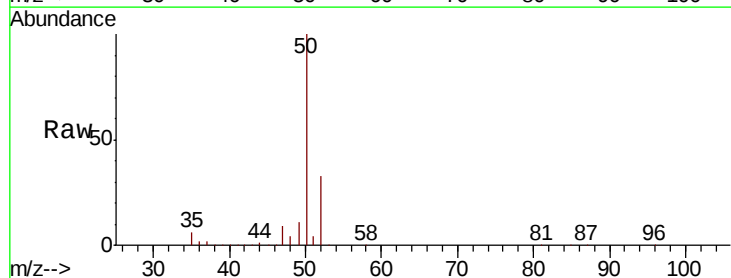
Acq: 19 Oct 2020 10:24

Tgt Ion: 50 Resp: 594228

Ion Ratio Lower Upper

50 100

52 33.1 26.8 40.2





#5

Vinyl Chloride

Concen: 9.279 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

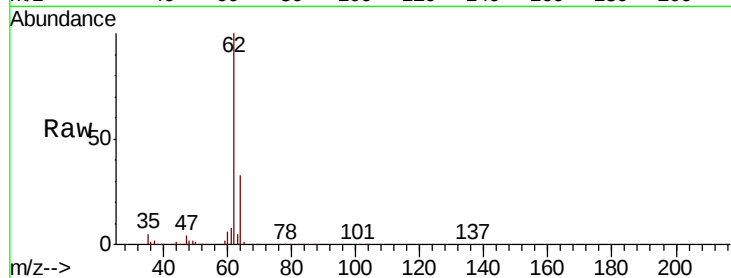
BFB77

Tot Ion: 62 Resp: 688437

Ion Ratio Lower Upper

62 100

64 32.6 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

600000

500000

400000

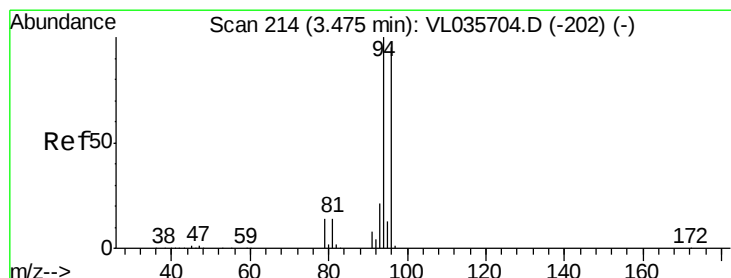
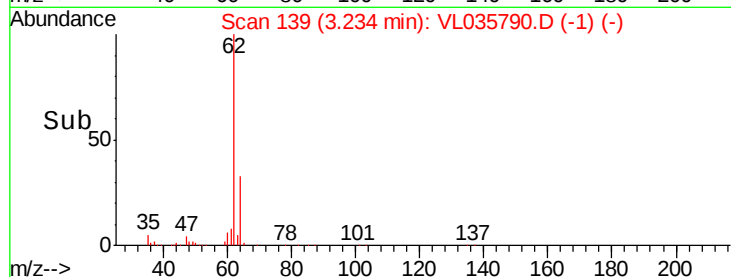
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.305 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.03 min

Lab File: VL035790.D

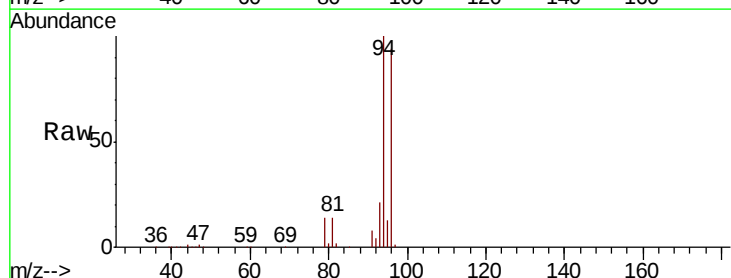
Acq: 19 Oct 2020 10:24

Tgt Ion: 94 Resp: 583620

Ion Ratio Lower Upper

94 100

96 94.1 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

500000

400000

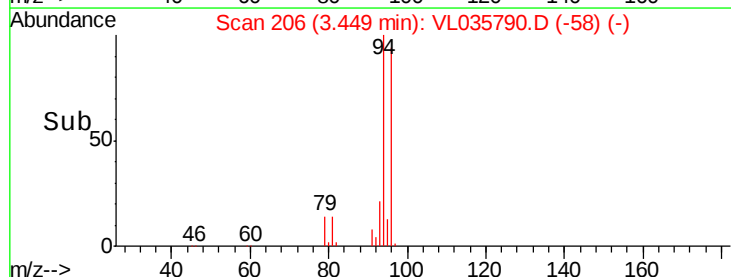
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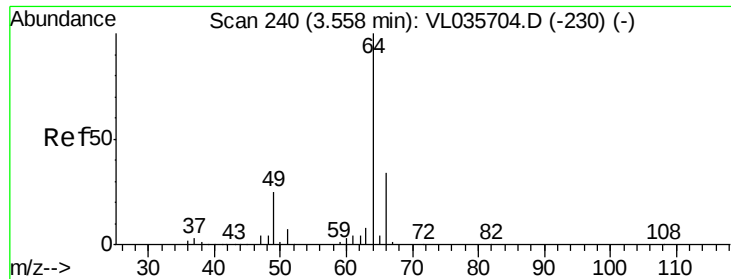
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100000

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Time-->





#7

Chloroethane

Concen: 9.433 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

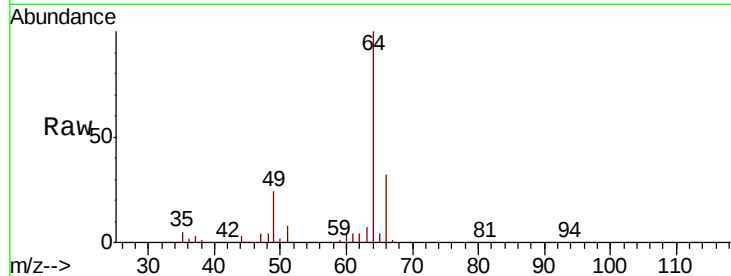
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Tot Ion: 64 Resp: 256675

Ion Ratio Lower Upper

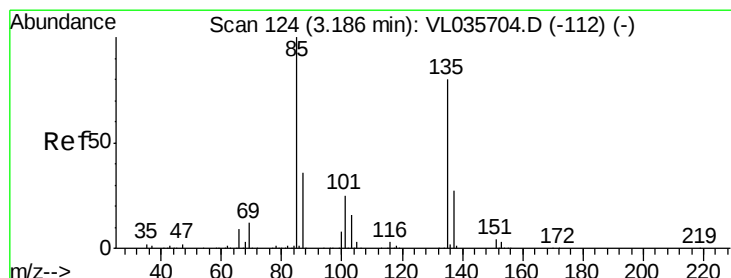
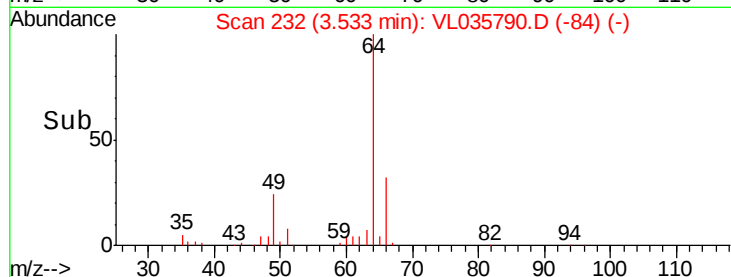
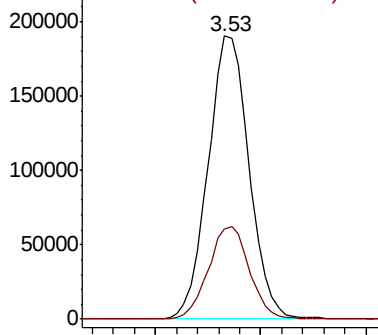
64 100

66 32.0 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.229 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035790.D

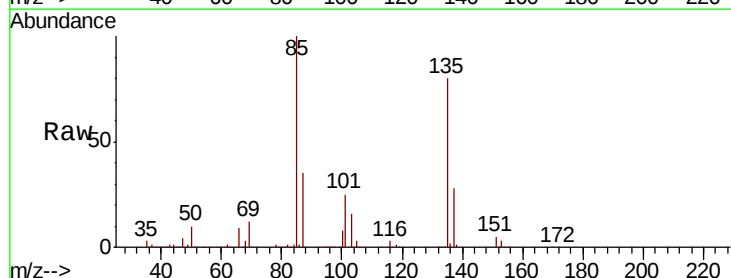
Acq: 19 Oct 2020 10:24

Tgt Ion: 85 Resp: 1993514

Ion Ratio Lower Upper

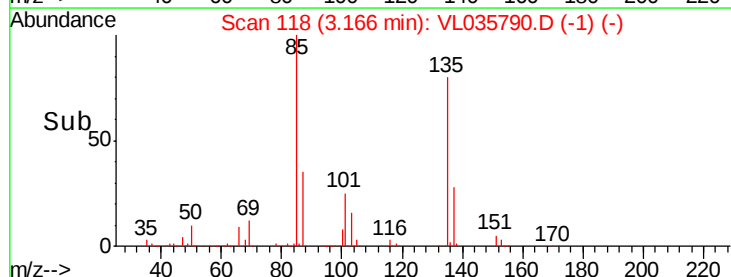
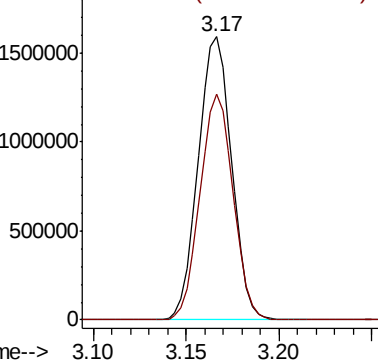
85 100

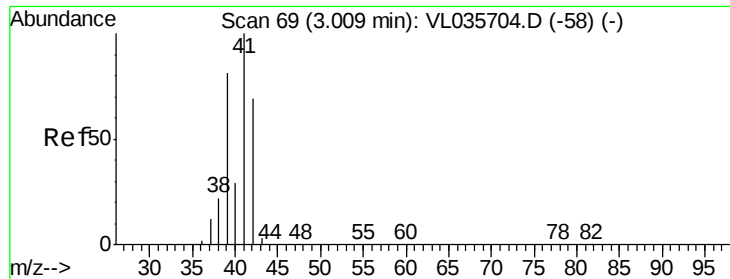
135 79.3 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.032 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

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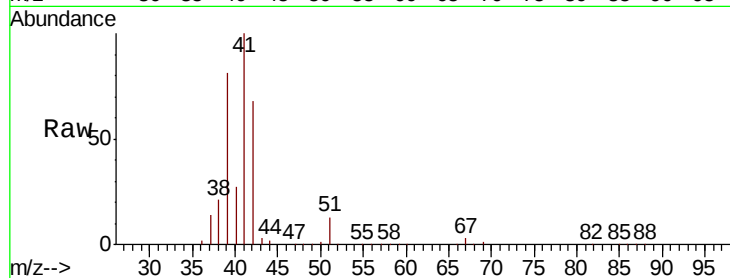
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Tot Ion: 41 Resp: 425333

Ion Ratio Lower Upper

41 100

42 68.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

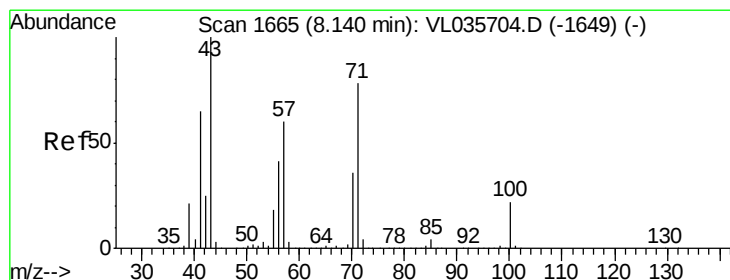
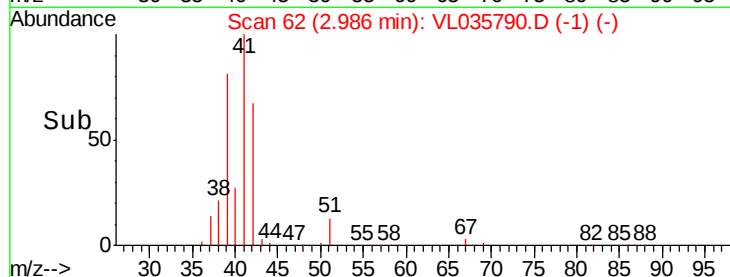
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.612 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.04 min

Lab File: VL035790.D

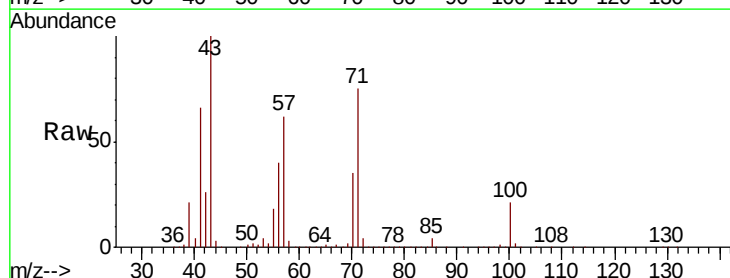
Acq: 19 Oct 2020 10:24

Tgt Ion: 43 Resp: 1254307

Ion Ratio Lower Upper

43 100

57 62.2 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

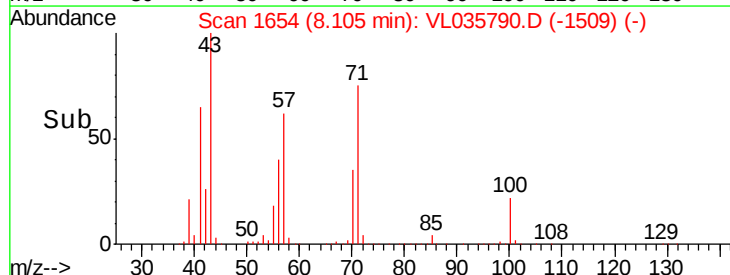
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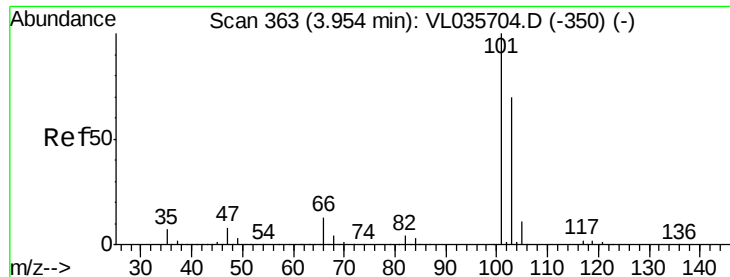
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200000

0

Time-->

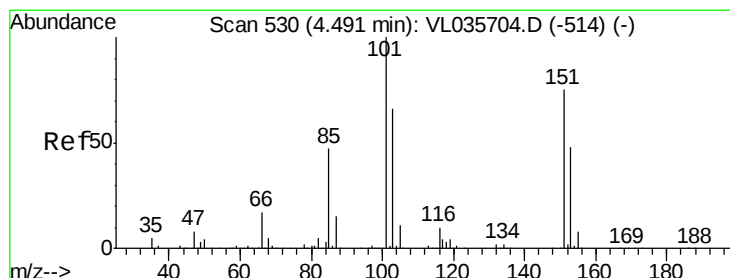
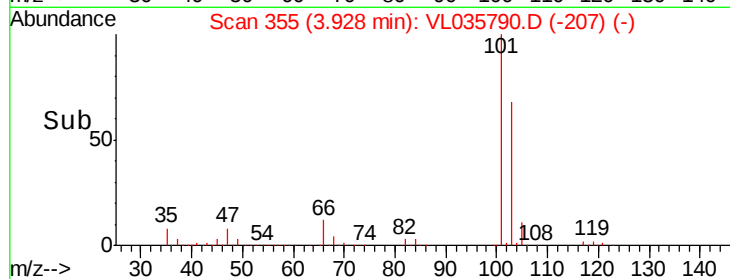
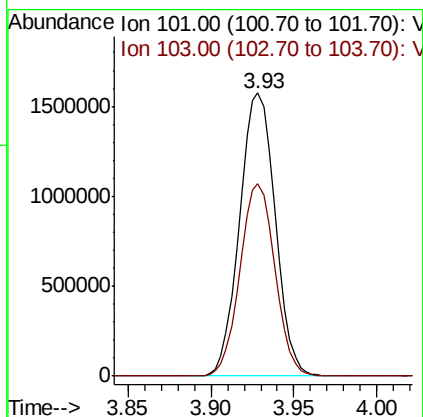
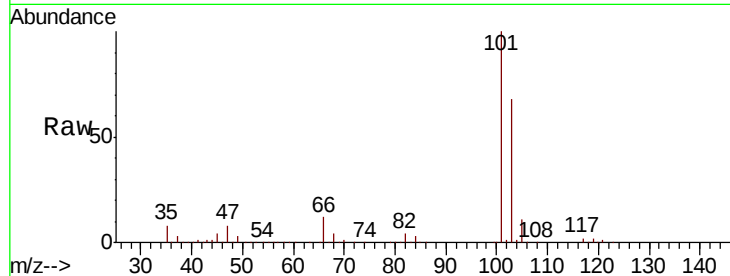




#11
 Trichlorofluoromethane
 Concen: 9.270 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

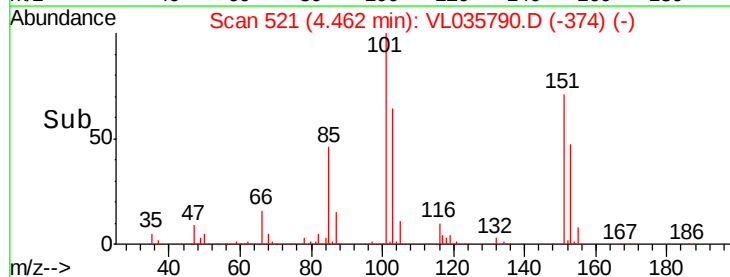
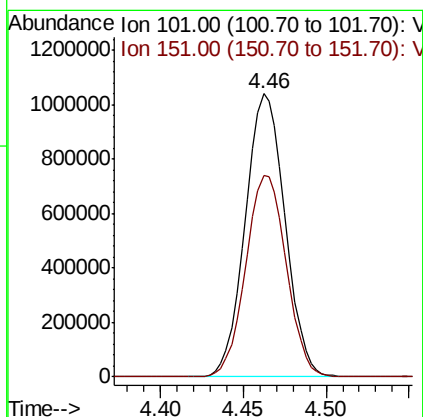
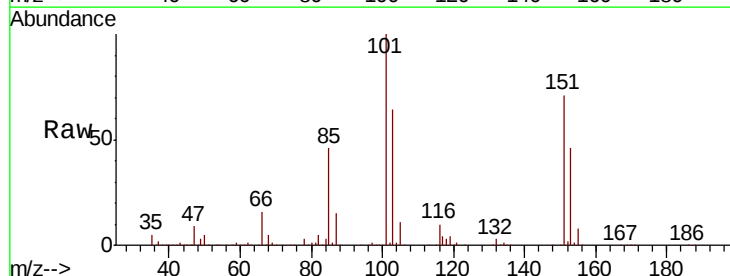
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

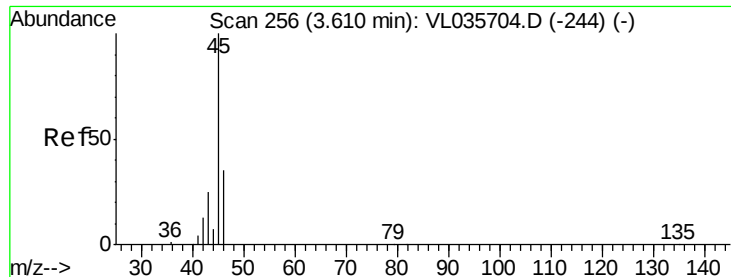
Tot Ion:101 Resp: 2355468
 Ion Ratio Lower Upper
 101 100
 103 68.1 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.198 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion:101 Resp: 1742281
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.1 88.7





#13

Ethanol

Concen: 8.712 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

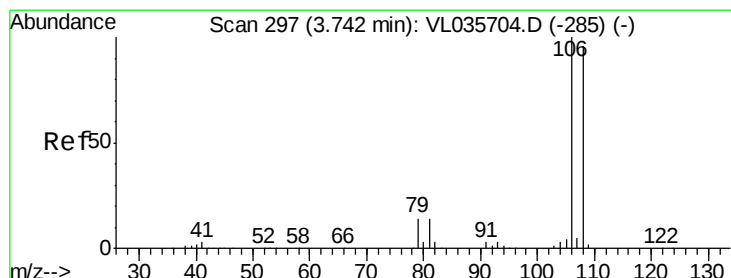
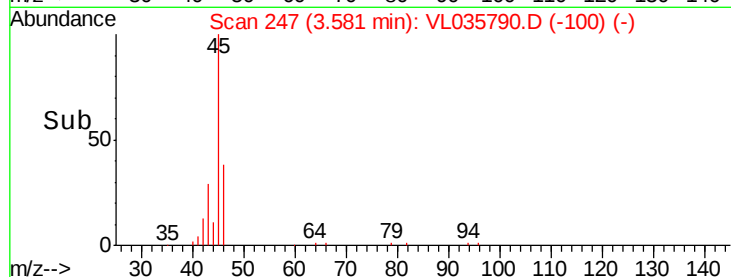
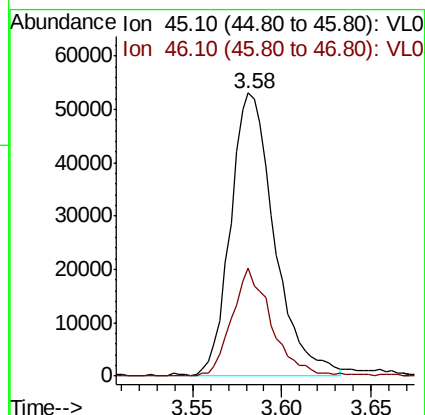
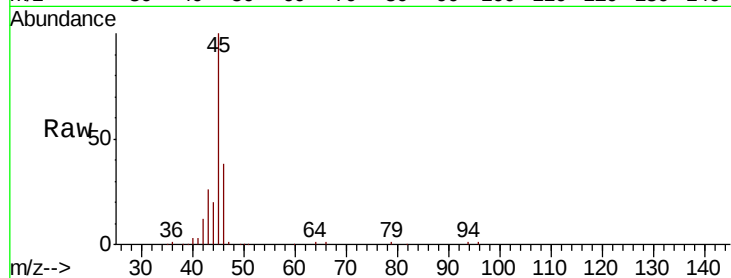
BFB77

Tot Ion: 45 Resp: 91087

Ion Ratio Lower Upper

45 100

46 35.1 14.7 58.7



#14

Bromoethene

Concen: 9.634 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

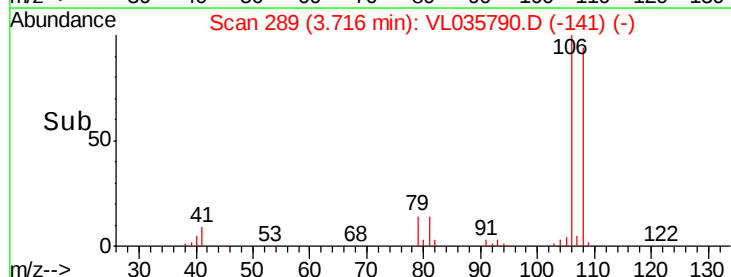
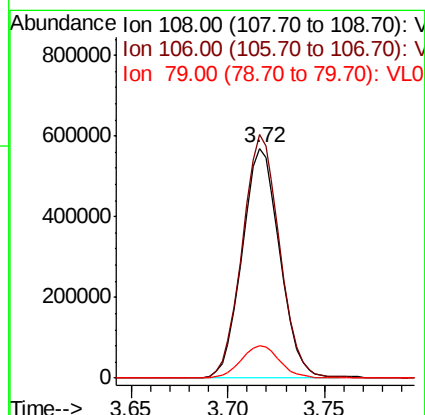
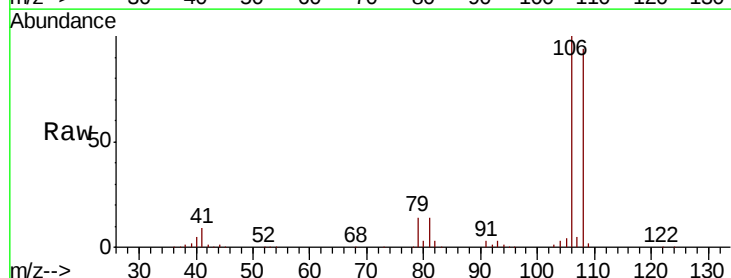
Tgt Ion: 108 Resp: 768746

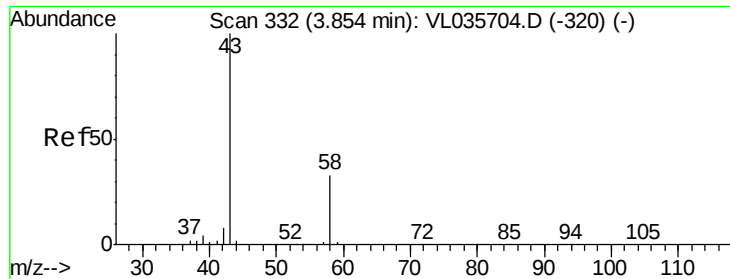
Ion Ratio Lower Upper

108 100

106 105.7 84.6 126.8

79 14.9 11.6 17.4





#15

Acetone

Concen: 8.391 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

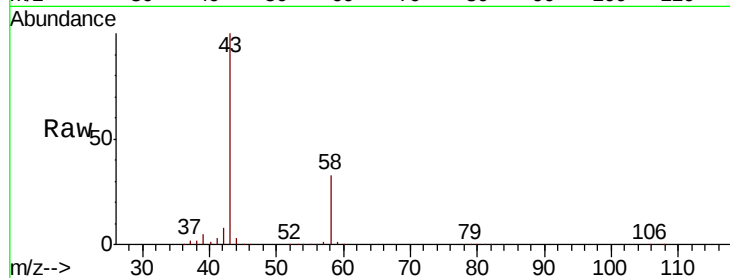
BFB77

Tot Ion: 43 Resp: 980056

Ion Ratio Lower Upper

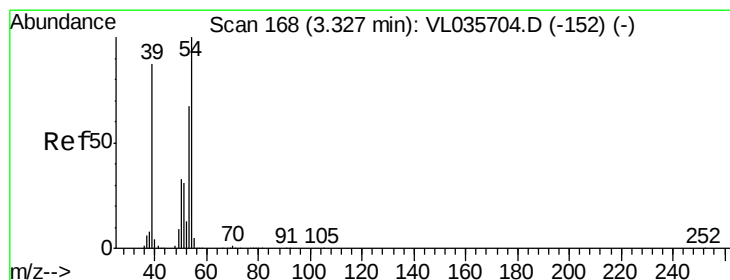
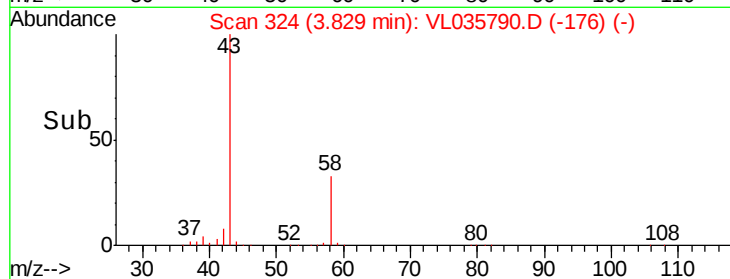
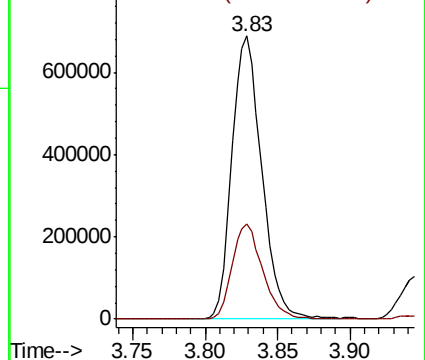
43 100

58 34.4 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.409 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035790.D

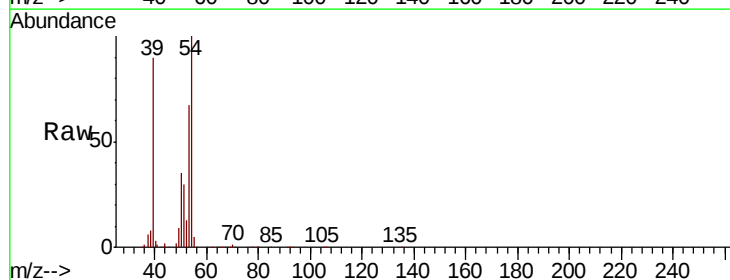
Acq: 19 Oct 2020 10:24

Tgt Ion: 39 Resp: 444733

Ion Ratio Lower Upper

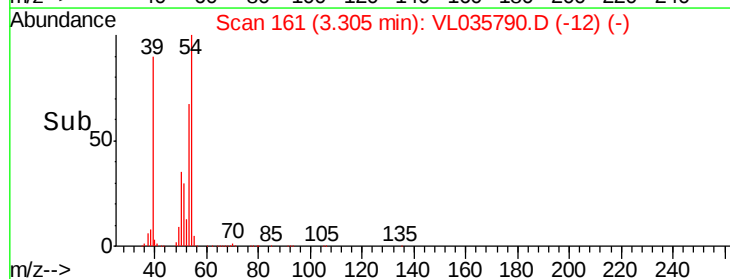
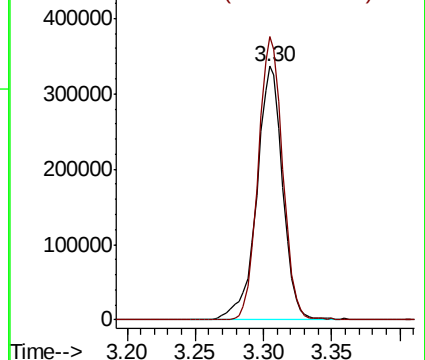
39 100

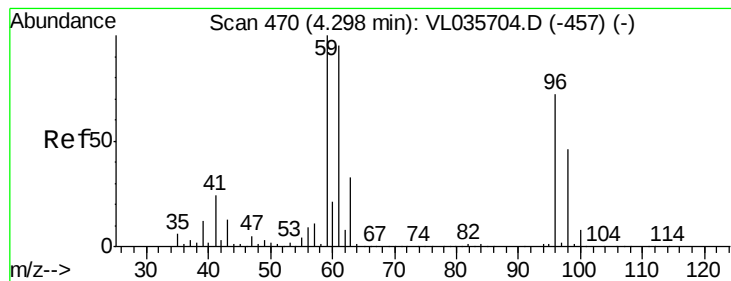
54 105.4 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.255 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

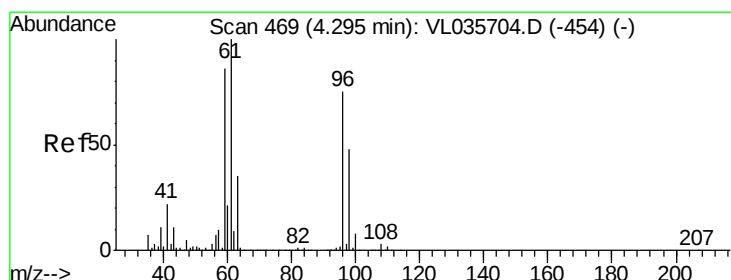
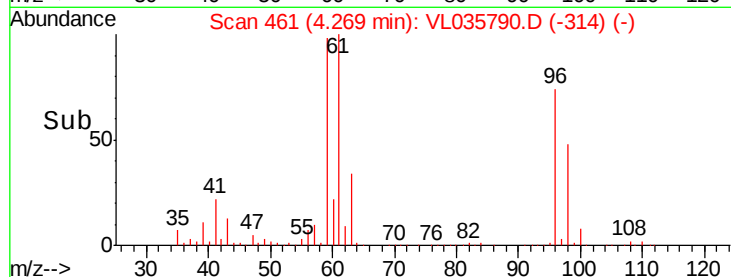
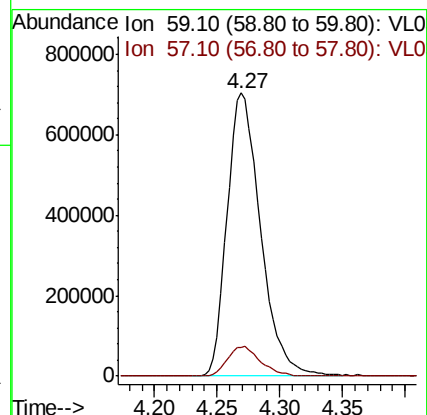
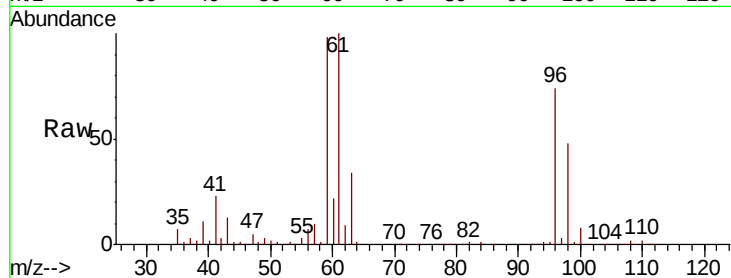
BFB77

Tot Ion: 59 Resp: 1304626

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.652 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

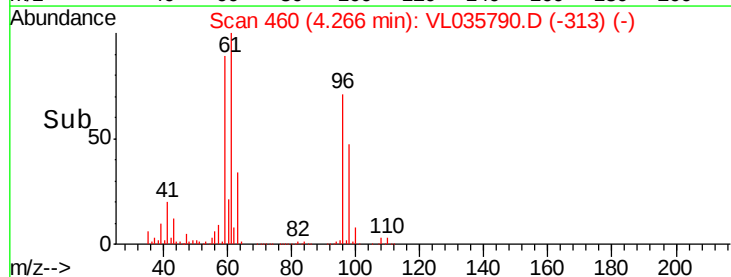
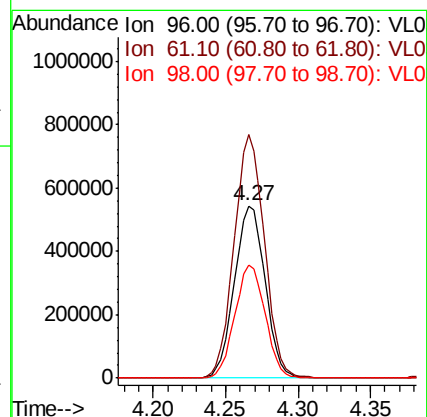
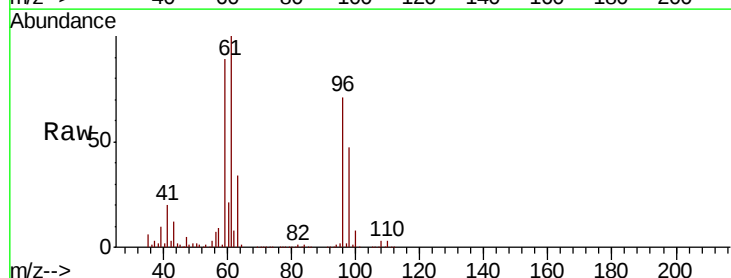
Tgt Ion: 96 Resp: 800546

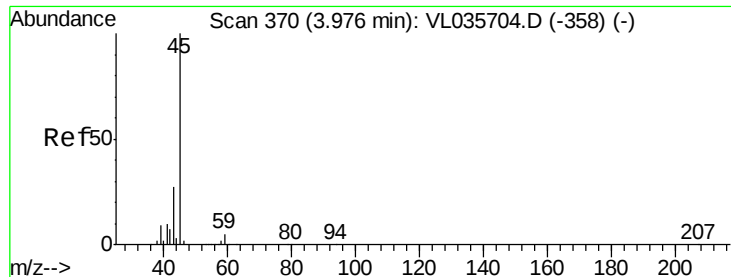
Ion Ratio Lower Upper

96 100

61 141.1 106.7 160.1

98 65.7 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.671 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

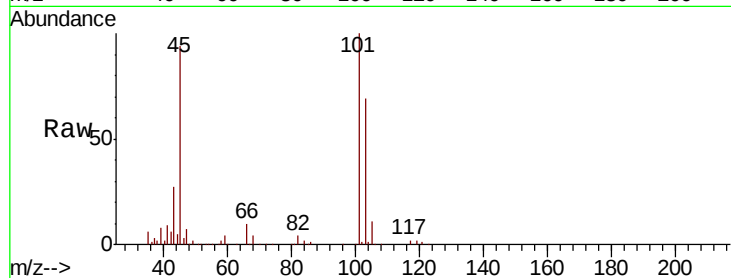
BFB77

Tot Ion: 45 Resp: 614389

Ion Ratio Lower Upper

45 100

58 3.3 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

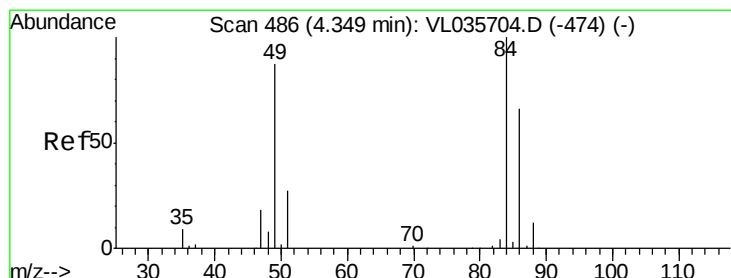
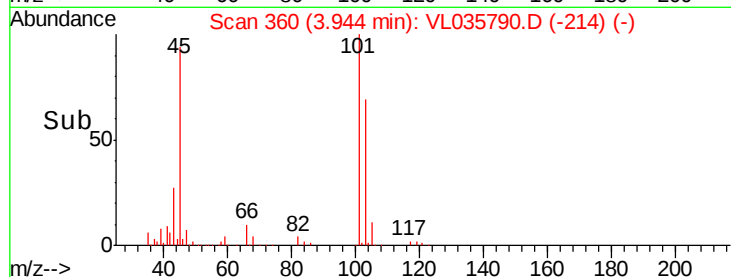
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.527 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion: 84 Resp: 645762

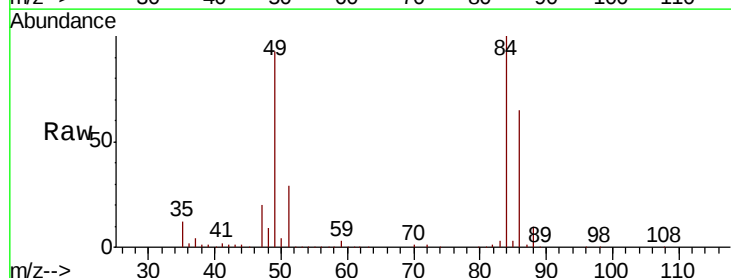
Ion Ratio Lower Upper

84 100

49 92.3 69.8 104.6

51 28.7 21.8 32.8

86 65.6 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

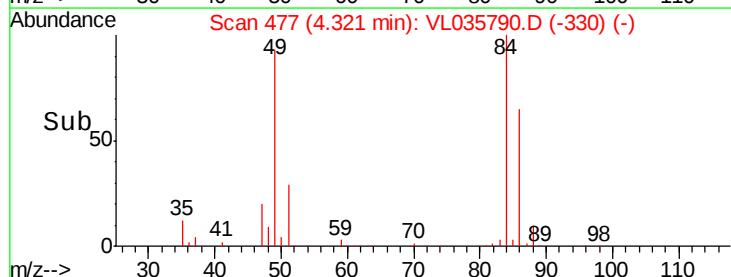
600000

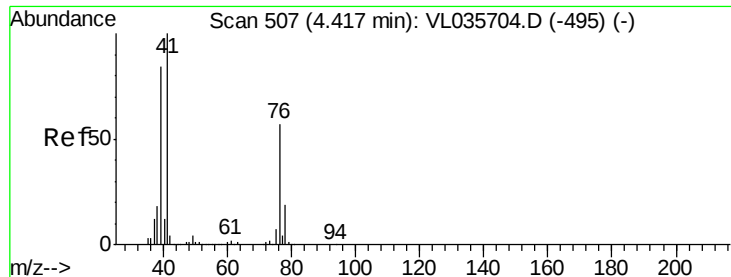
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.189 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

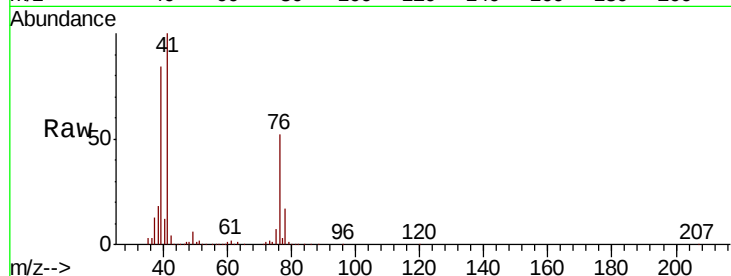
Tot Ion: 41 Resp: 576792

Ion Ratio Lower Upper

41 100

76 54.9 44.8 67.2

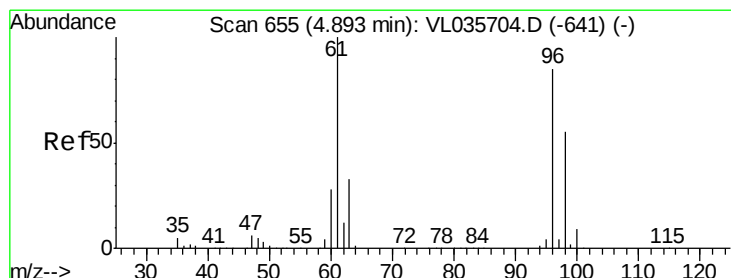
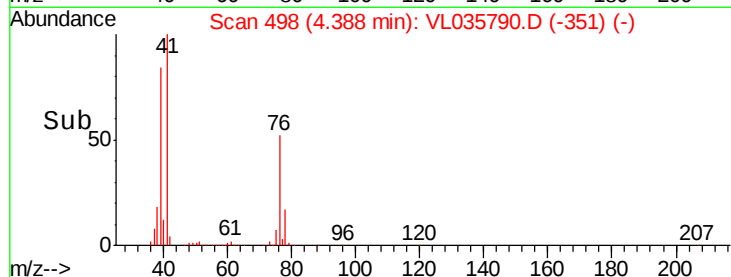
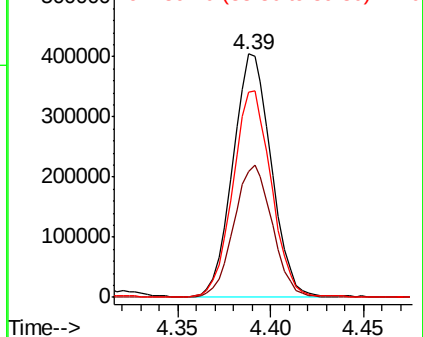
39 85.6 68.4 102.6



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: 9.503 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

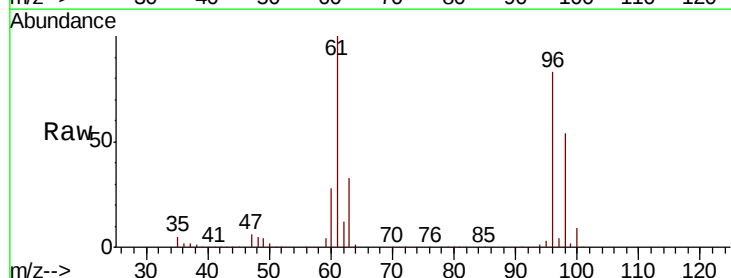
Tgt Ion: 96 Resp: 832716

Ion Ratio Lower Upper

96 100

61 121.2 93.7 140.5

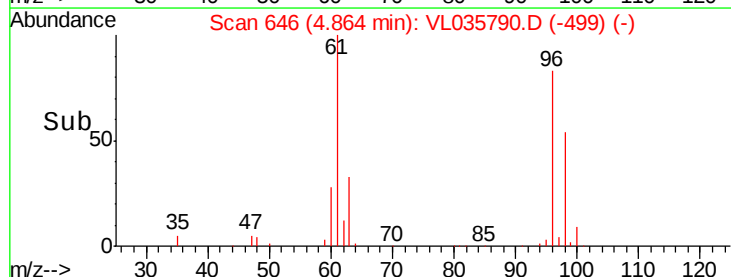
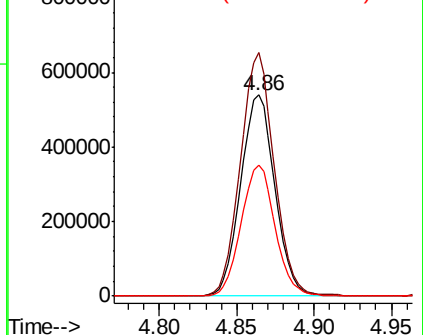
98 65.2 51.2 76.8

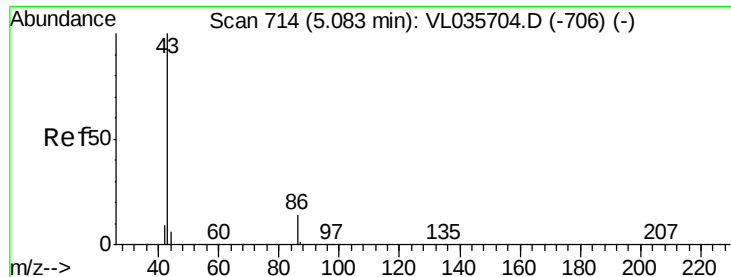


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.274 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampled :

BFB77

Tot Ion: 43 Resp: 1469730

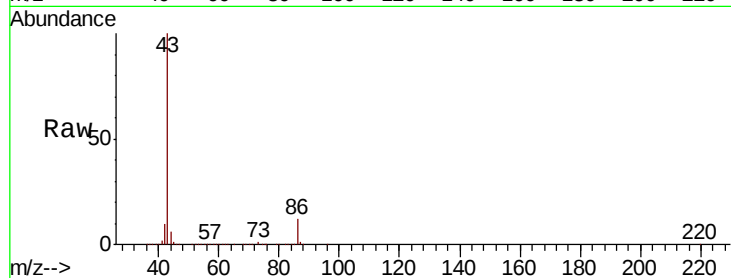
Ion Ratio Lower Upper

43 100

86 11.9 9.7 14.5

42 10.1 7.9 11.9

44 5.8 4.8 7.2

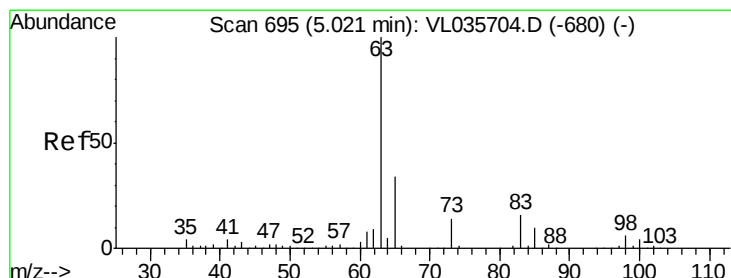
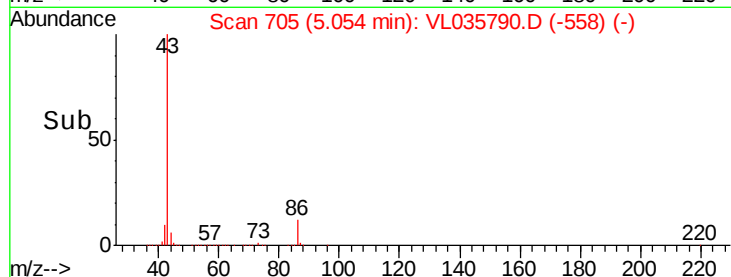
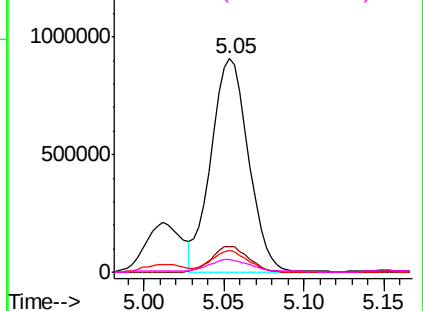


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.336 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

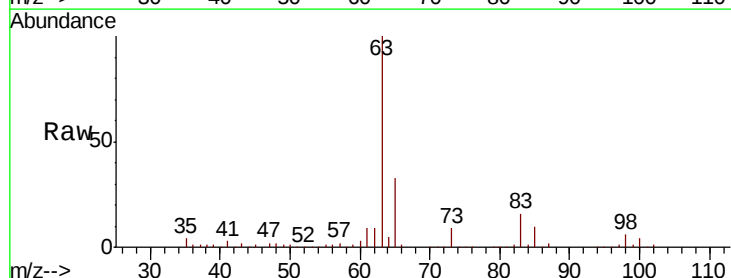
Tgt Ion: 63 Resp: 1454660

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

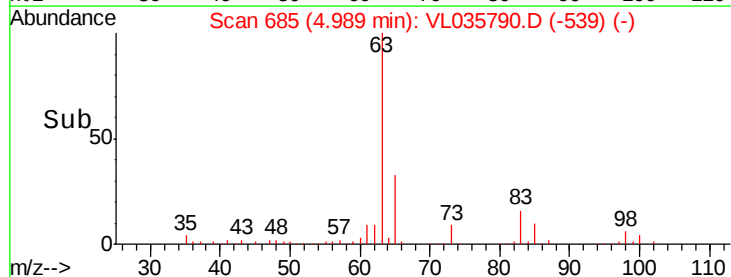
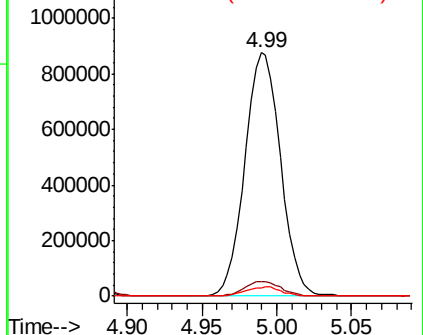
100 3.6 2.0 5.8

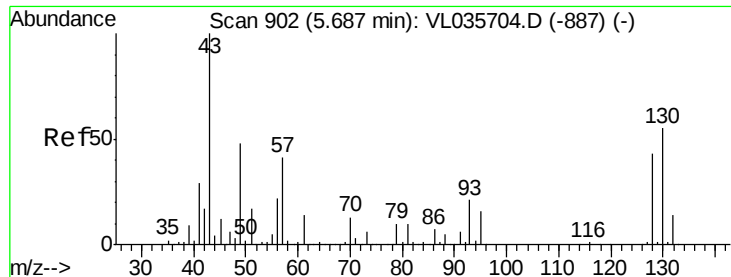


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



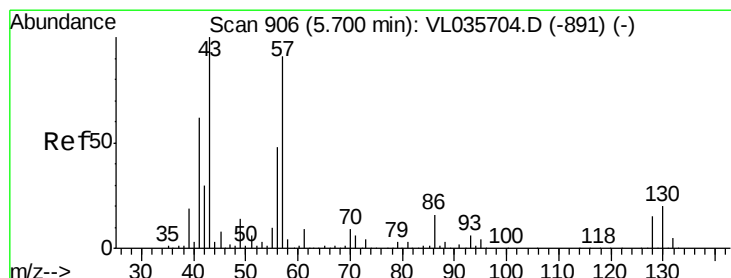
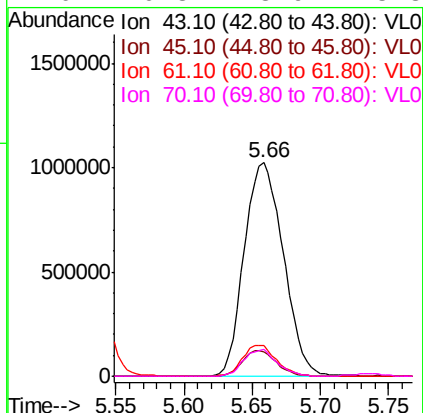
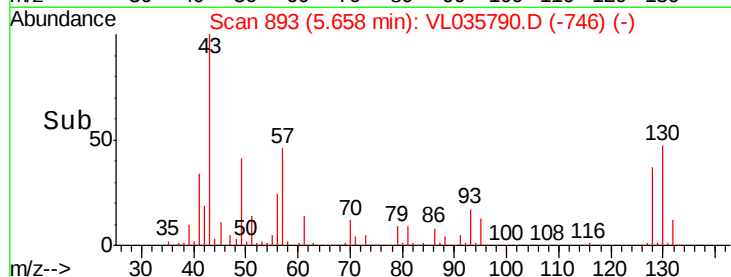
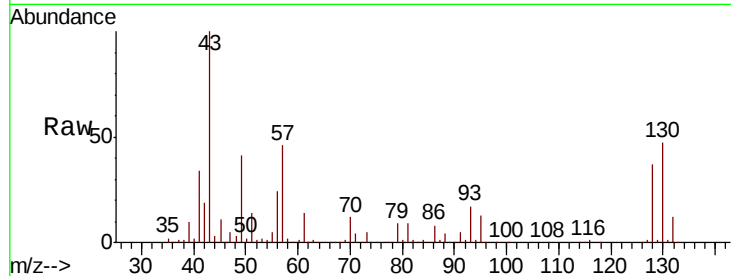


#25
Ethyl Acetate
Concen: 9.698 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
BFB77

Tot Ion: 43 Resp: 2037985

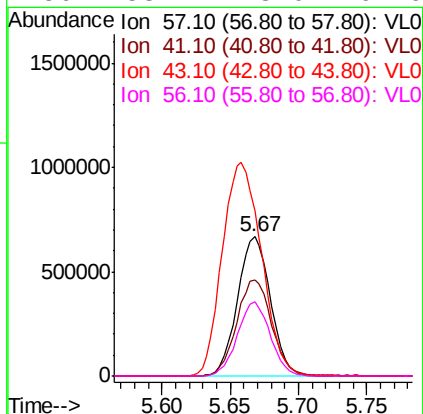
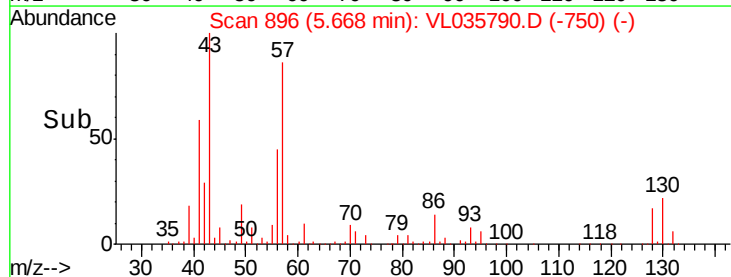
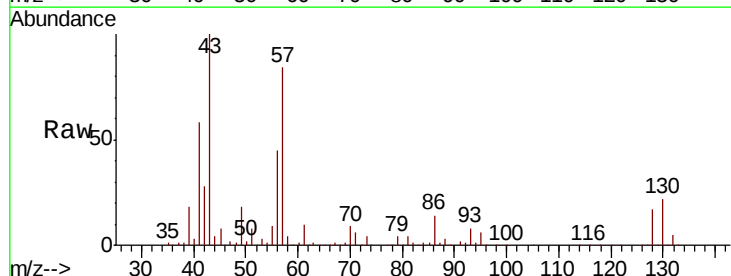
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	12.7	10.4	15.6
70	10.8	8.9	13.3

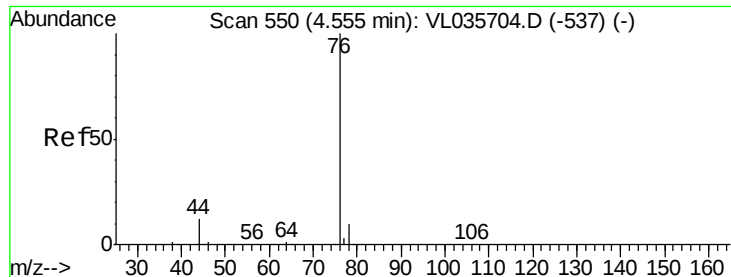


#26
Hexane
Concen: 9.694 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 57 Resp: 1116365

Ion	Ratio	Lower	Upper
57	100		
41	74.6	57.9	86.9
43	183.6	143.8	215.6
56	53.4	43.0	64.6

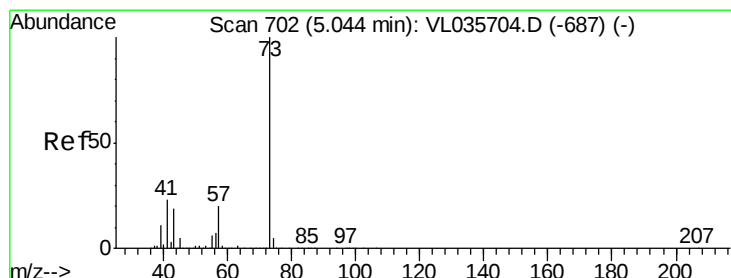
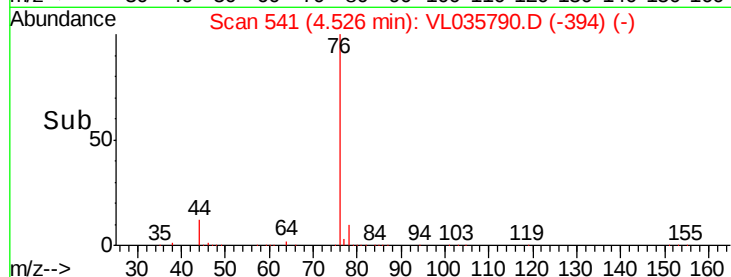
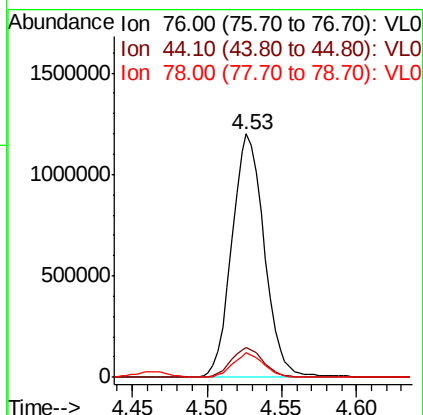
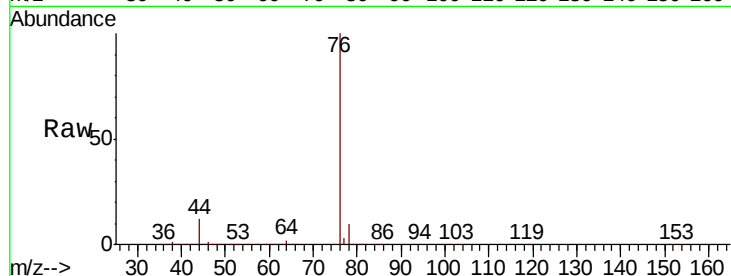




#27
Carbon Disulfide
Concen: 10.541 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

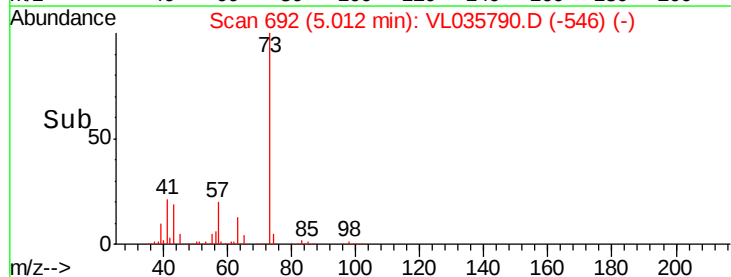
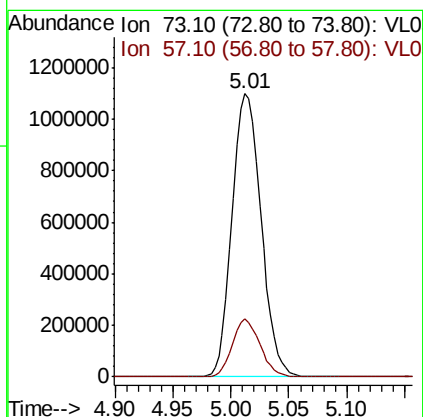
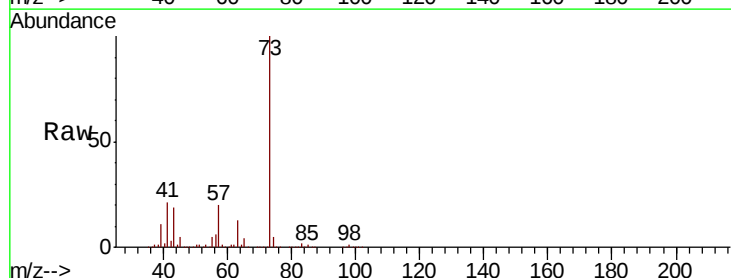
Instrument :
MSVOA_L
ClientSampleId :
BFB77

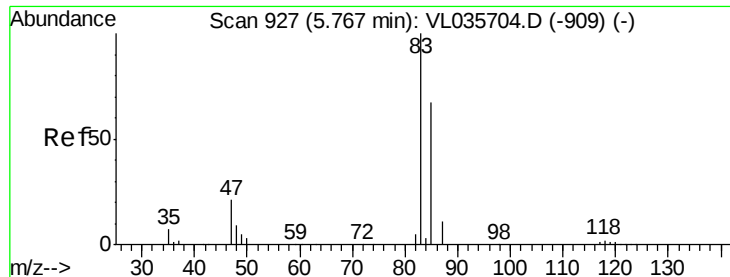
Tot Ion: 76 Resp: 1809347
Ion Ratio Lower Upper
76 100
44 12.1 9.7 14.5
78 9.5 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 10.435 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 73 Resp: 1904847
Ion Ratio Lower Upper
73 100
57 19.5 15.6 23.4





#29

Chloroform

Concen: 9.489 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

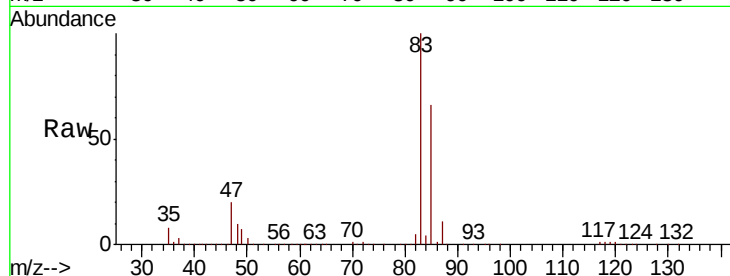
BFB77

Tot Ion: 83 Resp: 2219232

Ion Ratio Lower Upper

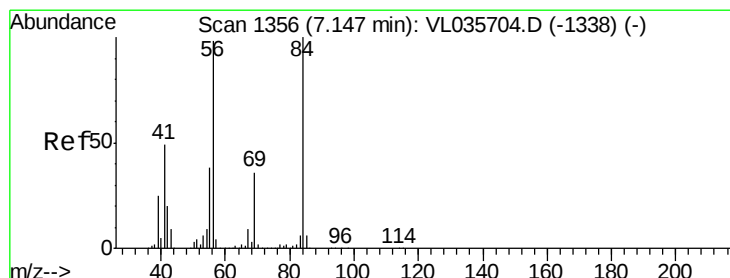
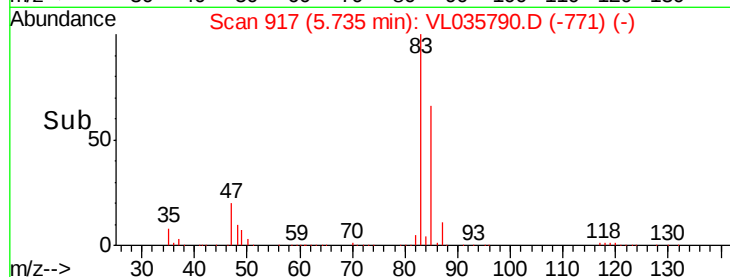
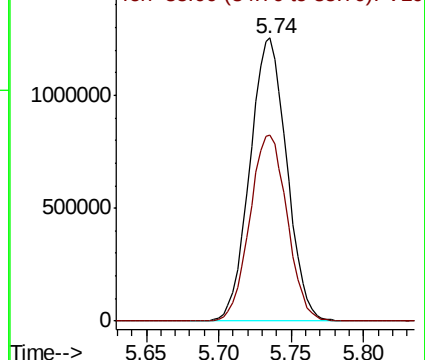
83 100

85 65.6 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.487 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

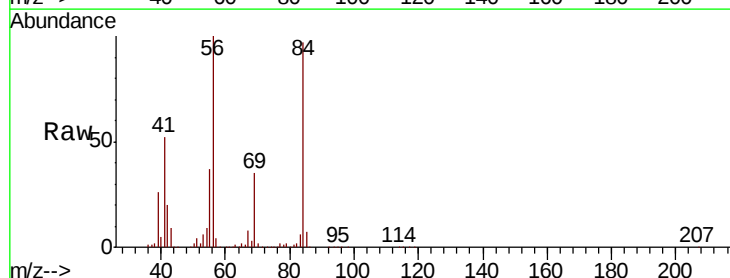
Tgt Ion: 84 Resp: 1191558

Ion Ratio Lower Upper

84 100

56 108.1 84.6 127.0

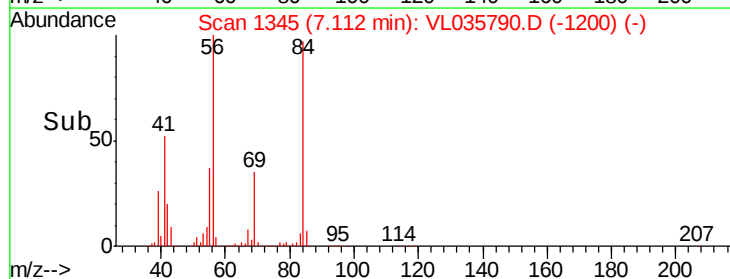
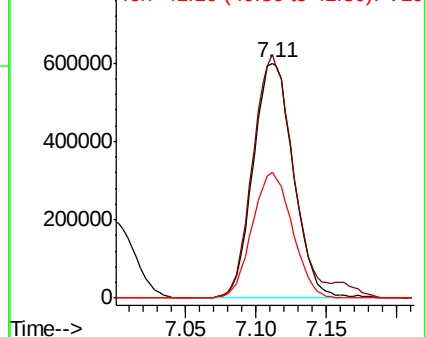
41 53.6 41.1 61.7

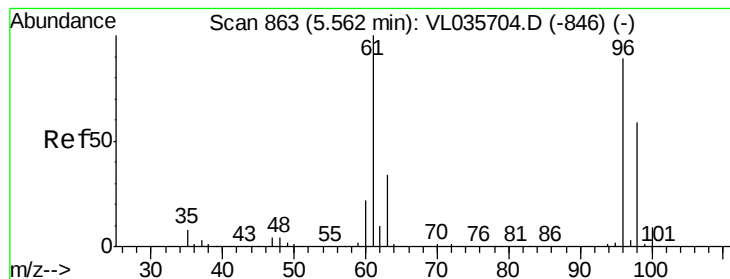


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



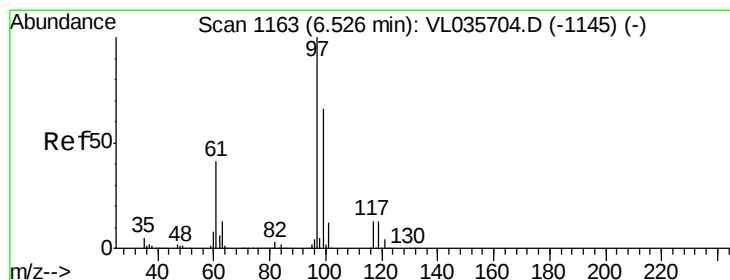
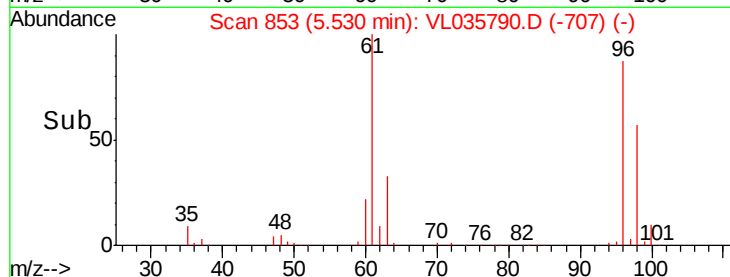
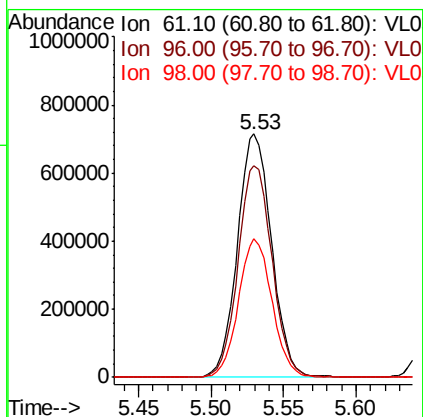
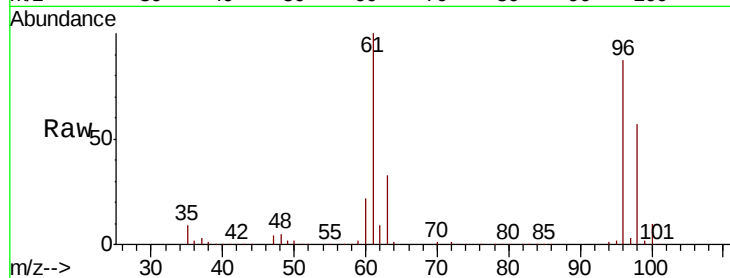


#31

cis-1,2-Dichloroethene
 Concen: 10.519 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

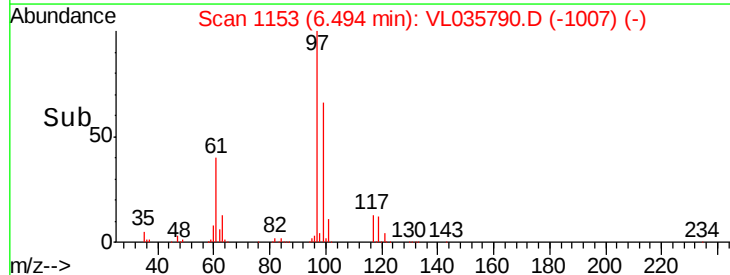
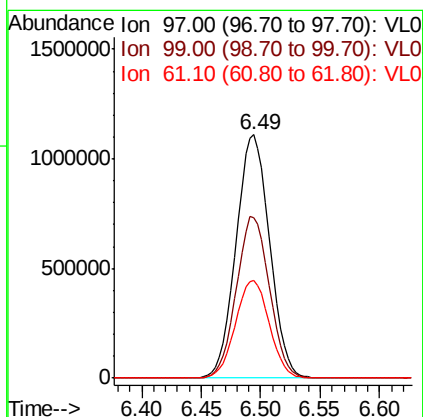
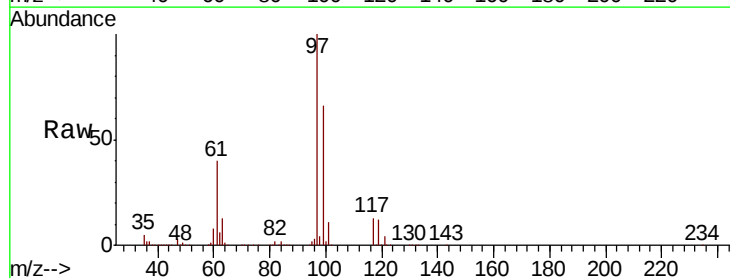
Tot Ion: 61 Resp: 1169361
 Ion Ratio Lower Upper
 61 100
 96 87.1 71.4 107.2
 98 56.8 47.4 71.2

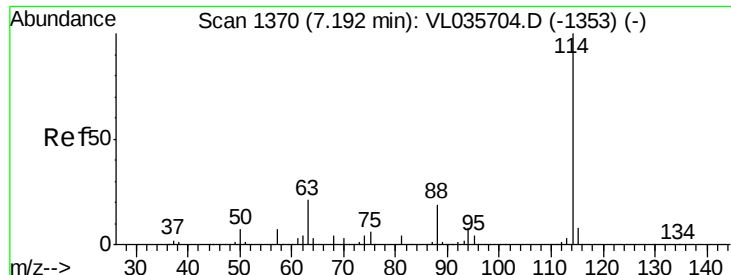


#32

1,1,1-Trichloroethane
 Concen: 10.528 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion: 97 Resp: 2170347
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.7 79.1
 61 40.5 32.7 49.1

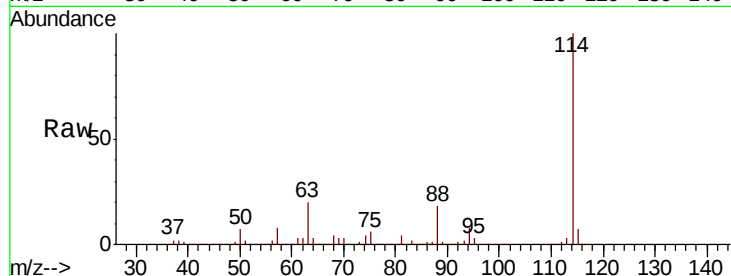




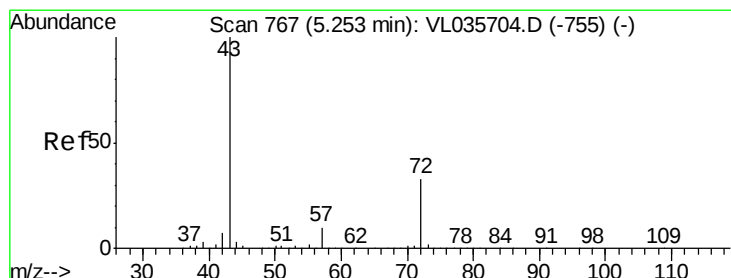
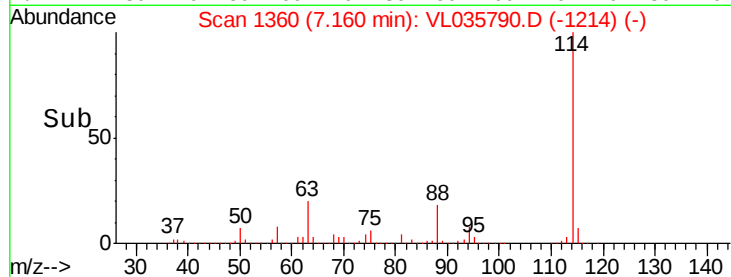
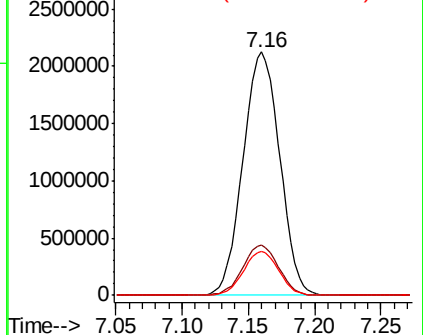
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Instrument :
 MSVOA_L
 ClientSampled :
 BFB77

Tot Ion:114 Resp: 4103389
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.5 14.1 21.1

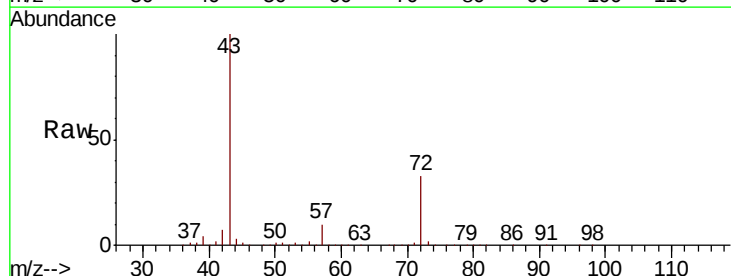


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

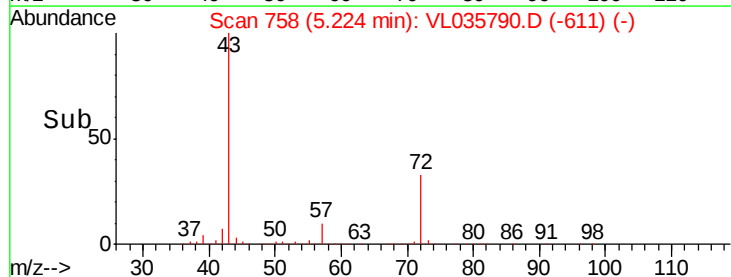
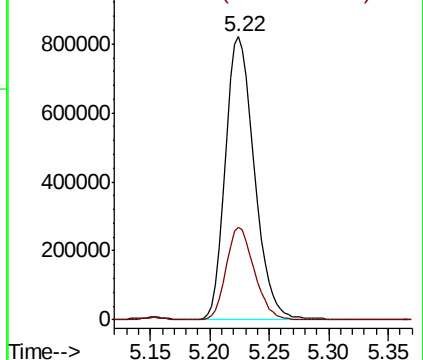


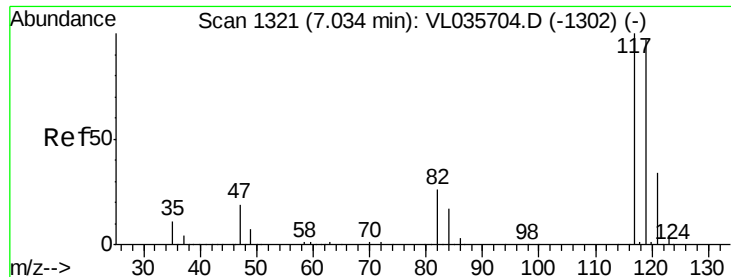
#34
 2-Butanone
 Concen: 10.191 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion: 43 Resp: 1383118
 Ion Ratio Lower Upper
 43 100
 72 32.2 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 10.481 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

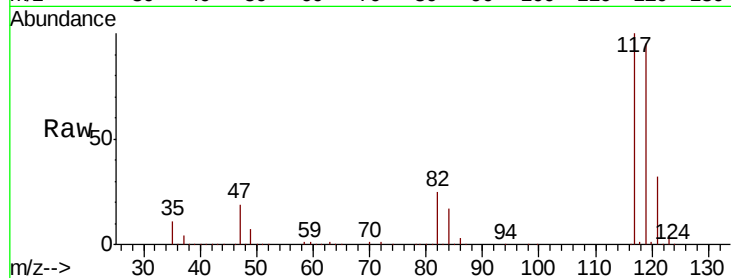
Tot Ion:117 Resp: 2242359

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5

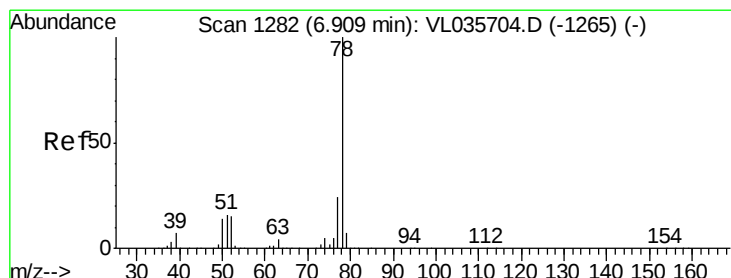
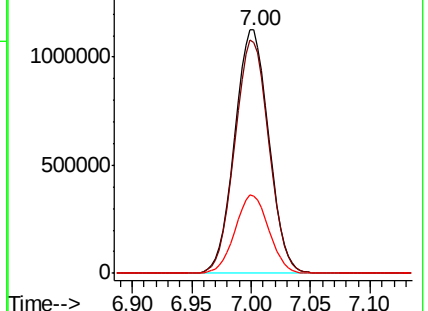
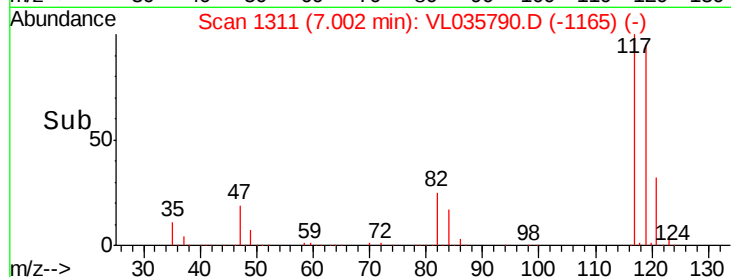
121 31.9 26.9 40.3



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: 10.336 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

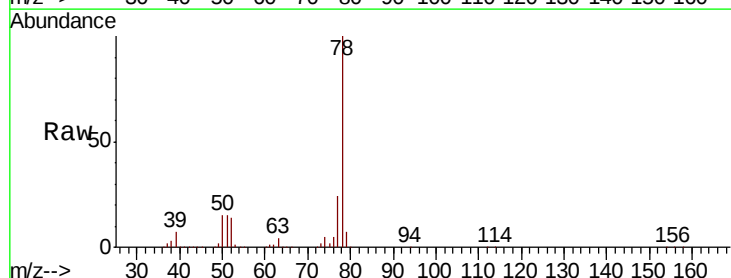
Tgt Ion: 78 Resp: 2763611

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

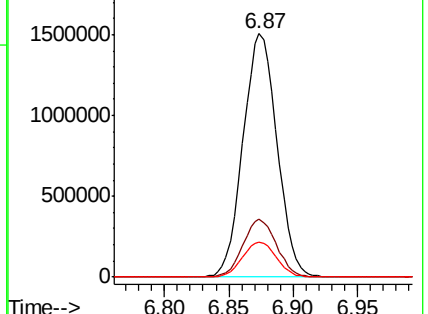
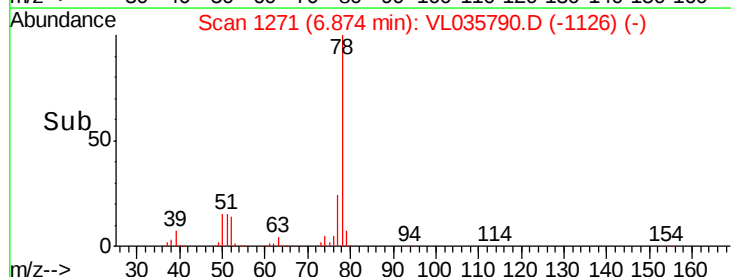
50 14.6 11.6 17.4

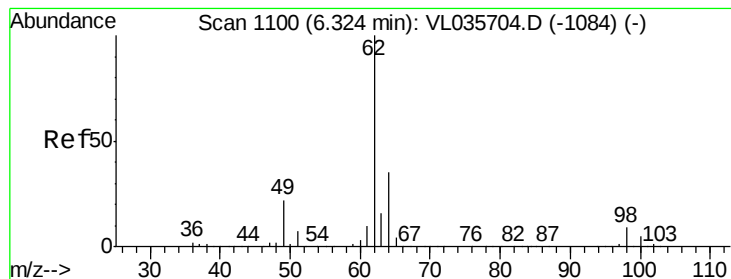


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.004 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

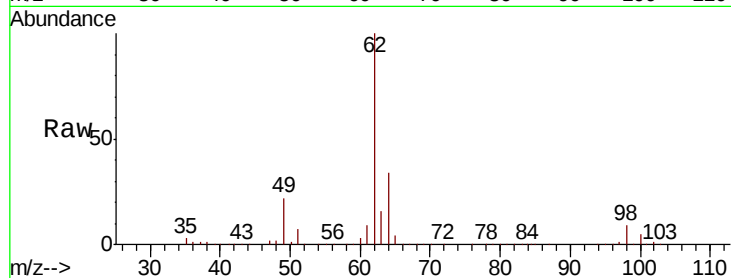
BFB77

Tot Ion: 62 Resp: 1394109

Ion Ratio Lower Upper

62 100

98 8.3 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

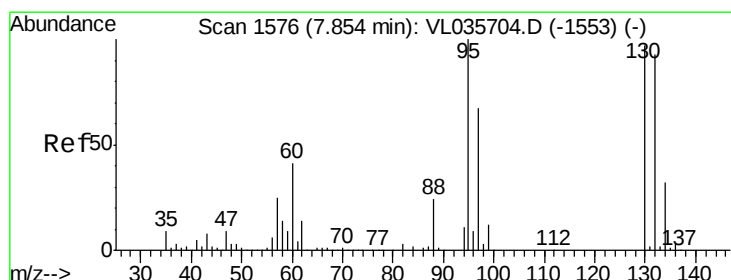
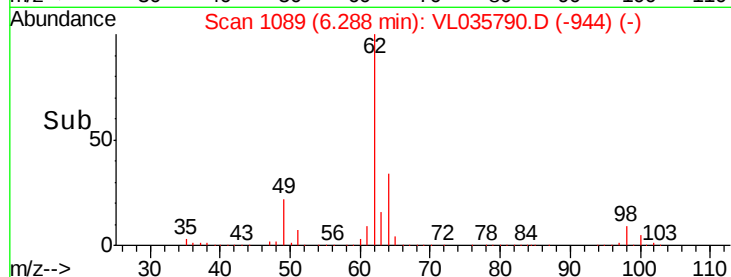
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.241 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion:130 Resp: 1365921

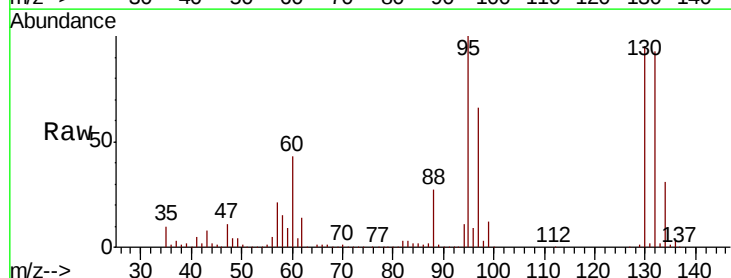
Ion Ratio Lower Upper

130 100

95 105.2 82.4 123.6

132 98.2 76.8 115.2

97 69.3 55.4 83.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

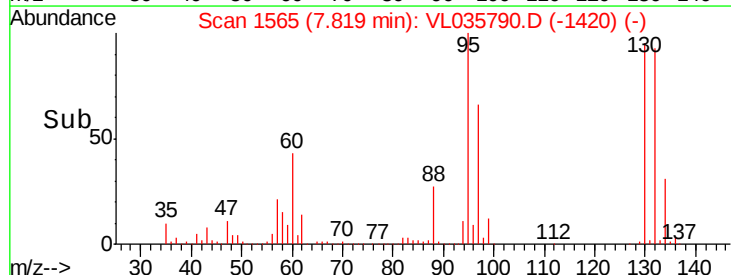
600000

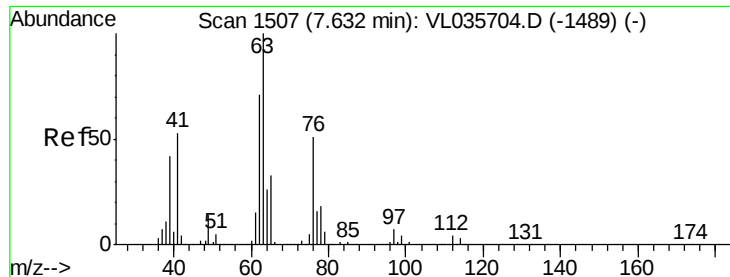
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.911 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

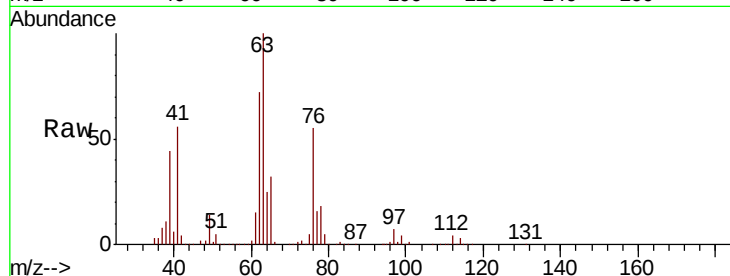
Tot Ion: 63 Resp: 960542

Ion Ratio Lower Upper

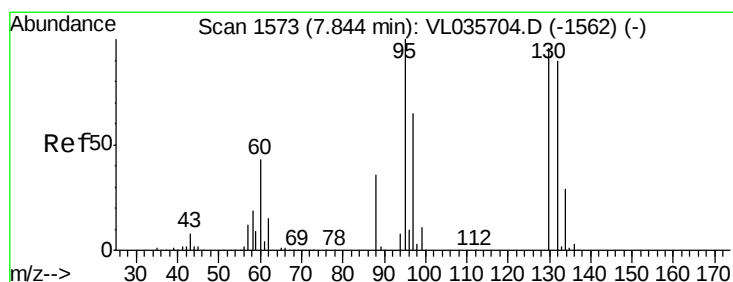
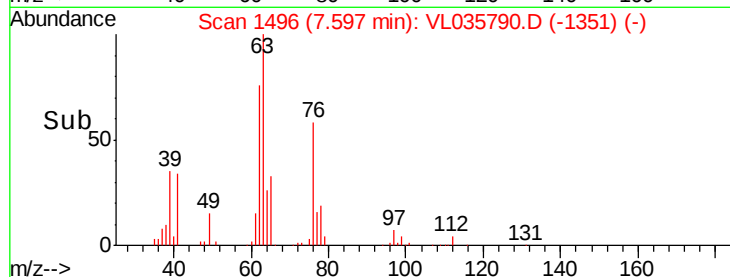
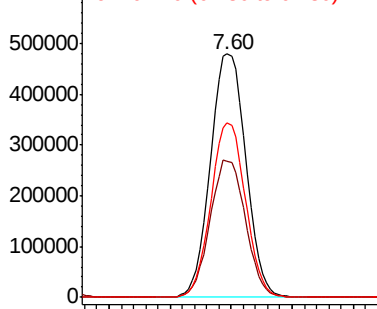
63 100

41 55.7 42.6 63.8

62 71.7 56.5 84.7



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: 10.056 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion: 88 Resp: 445695

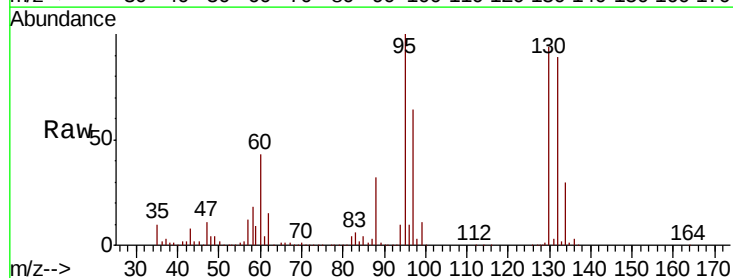
Ion Ratio Lower Upper

88 100

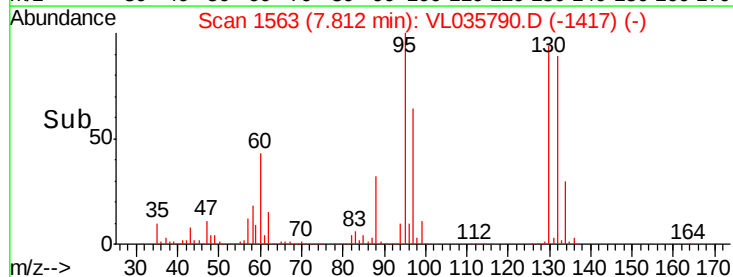
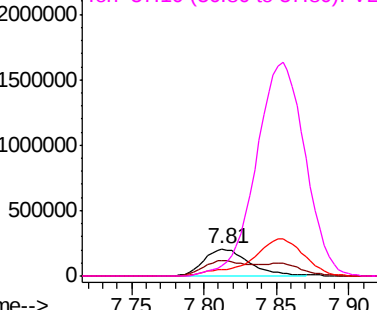
58 99.3 76.2 114.4

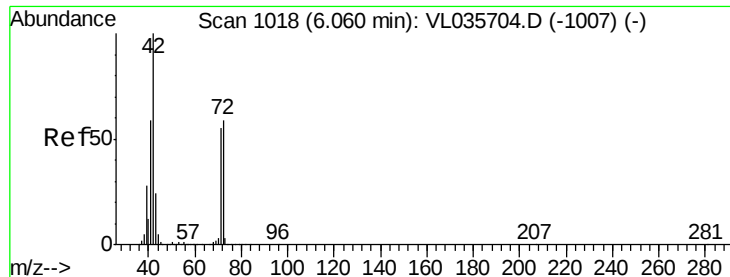
43 0.0 123.4 185.2#

57 0.0 652.5 978.7#



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: 11.362 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

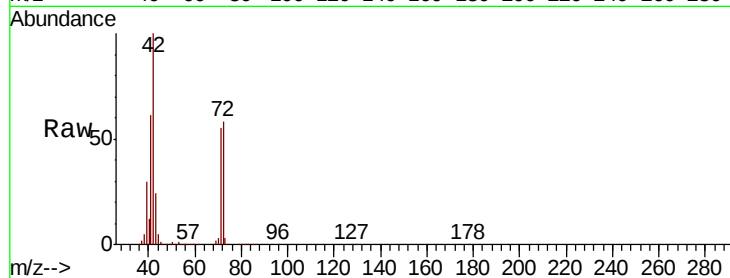
Tot Ion: 42 Resp: 776861

Ion Ratio Lower Upper

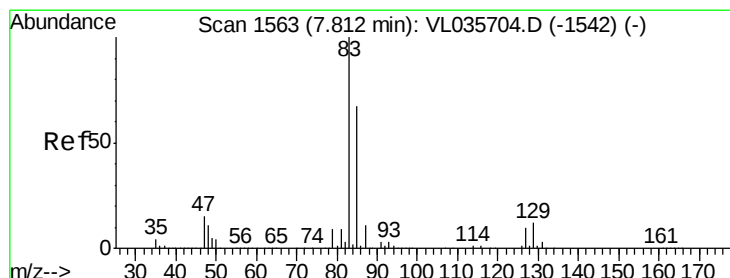
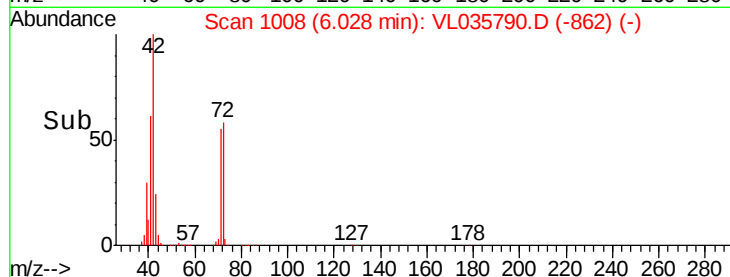
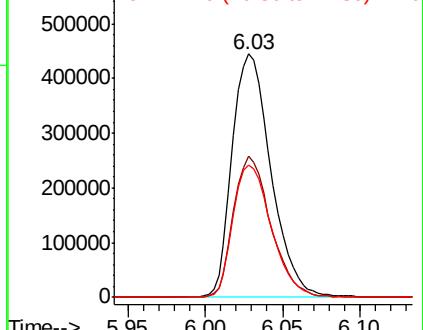
42 100

72 56.1 46.2 69.4

71 54.0 44.2 66.4



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: 10.348 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

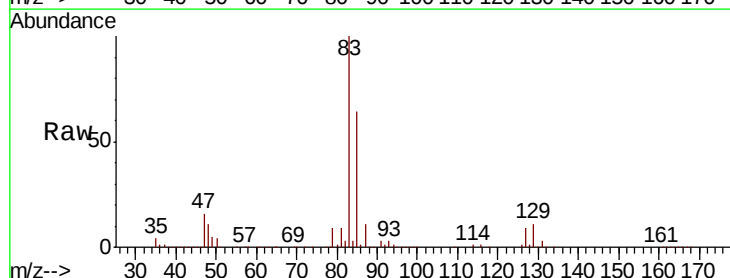
Tgt Ion: 83 Resp: 2322911

Ion Ratio Lower Upper

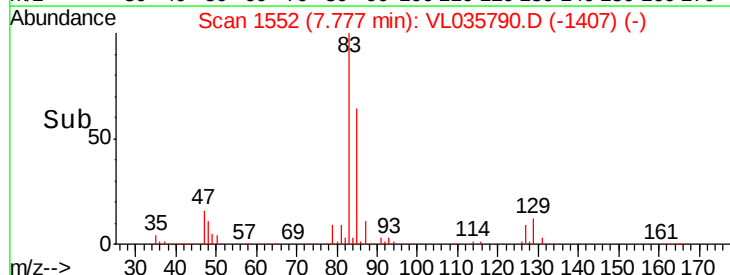
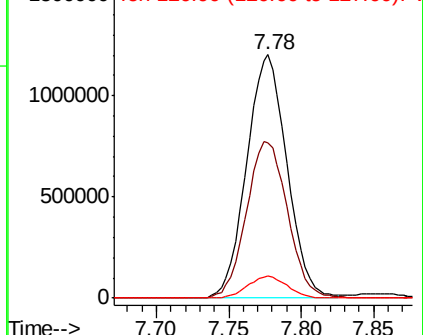
83 100

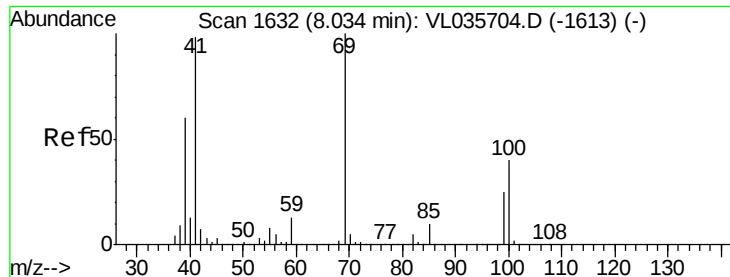
85 63.6 53.4 80.0

127 9.3 7.8 11.6



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

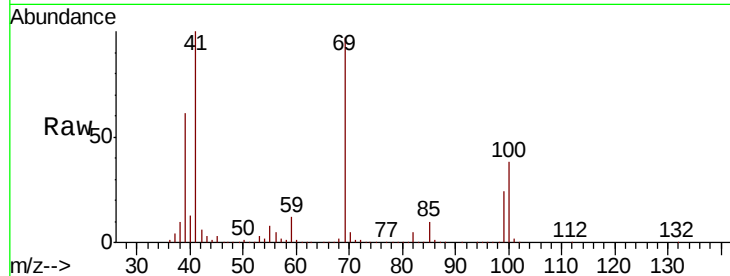




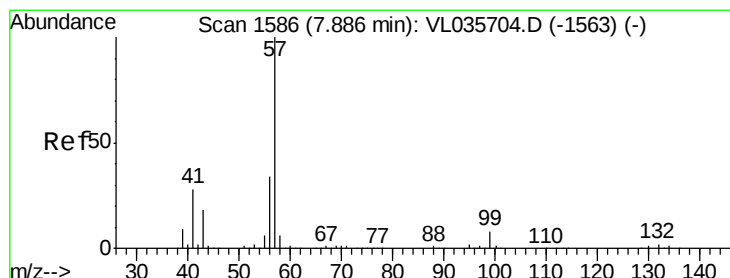
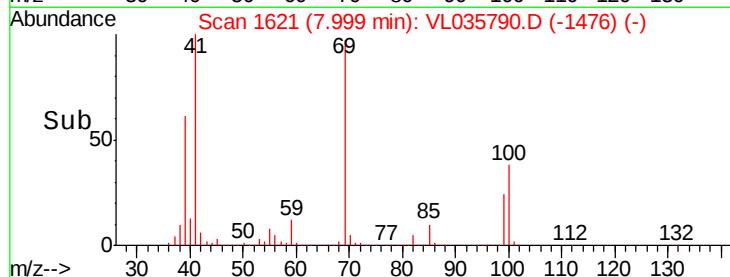
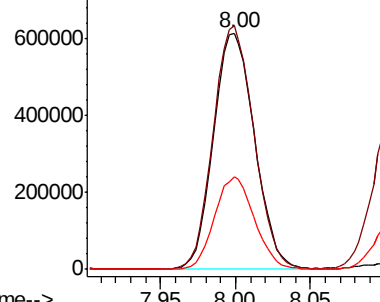
#43
Methyl Methacrylate
Concen: 11.037 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
BFB77

Tot Ion: 69 Resp: 1173657
Ion Ratio Lower Upper
69 100
41 102.0 79.8 119.6
100 38.0 30.6 46.0

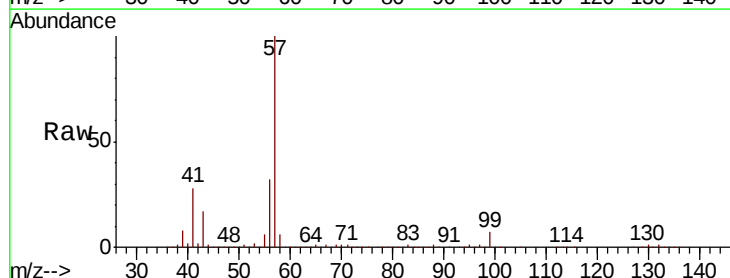


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

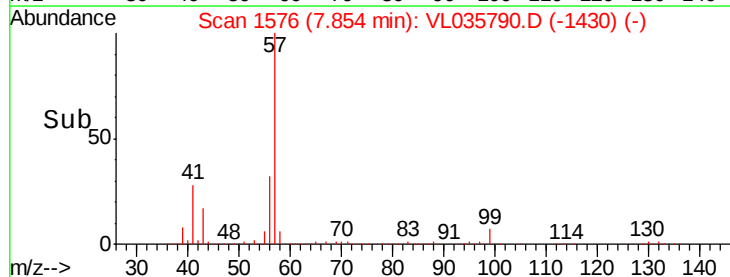
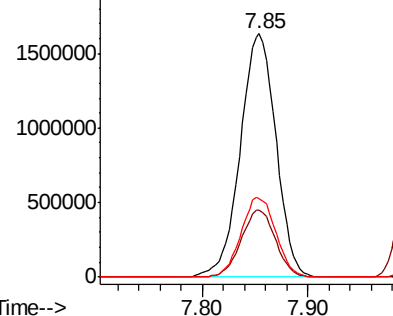


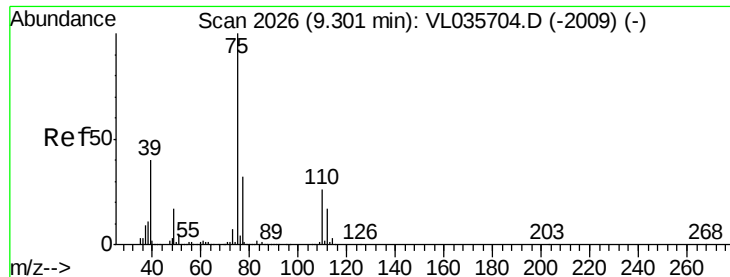
#44
2,2,4-Trimethylpentane
Concen: 10.004 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 57 Resp: 3838159
Ion Ratio Lower Upper
57 100
41 26.7 21.2 31.8
56 32.0 25.8 38.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.269 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

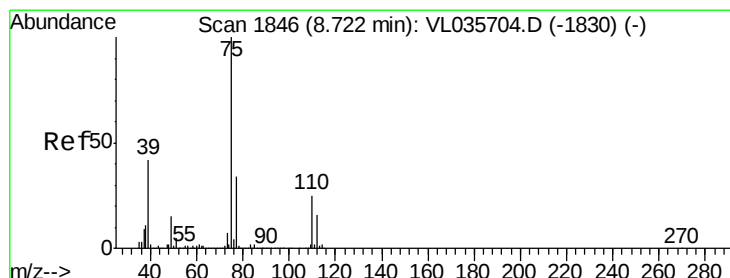
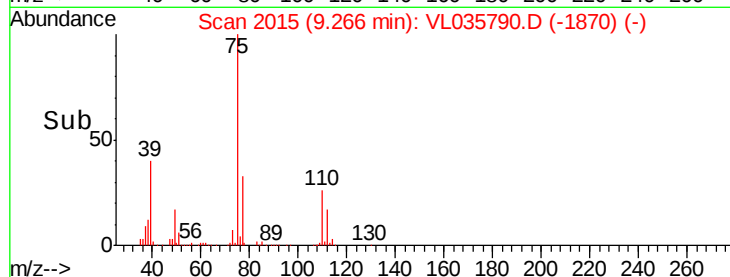
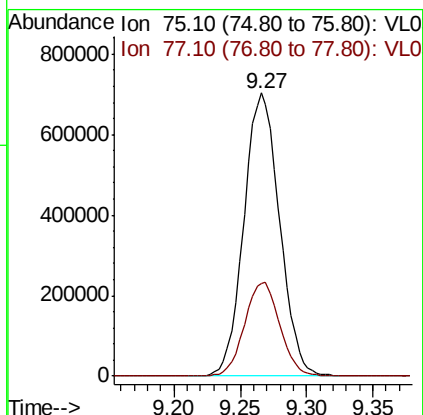
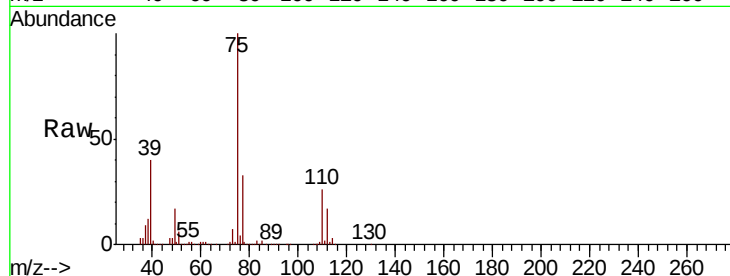
BFB77

Tot Ion: 75 Resp: 1317251

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 11.865 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

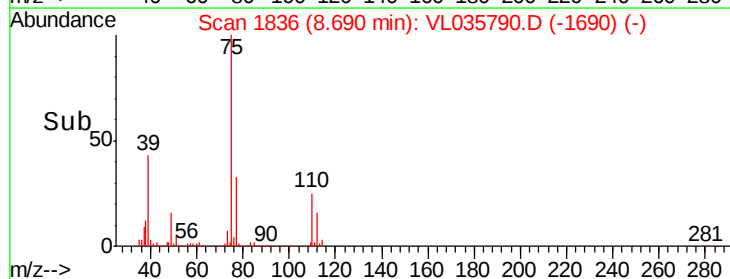
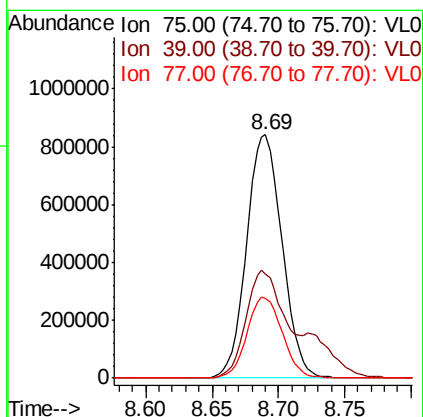
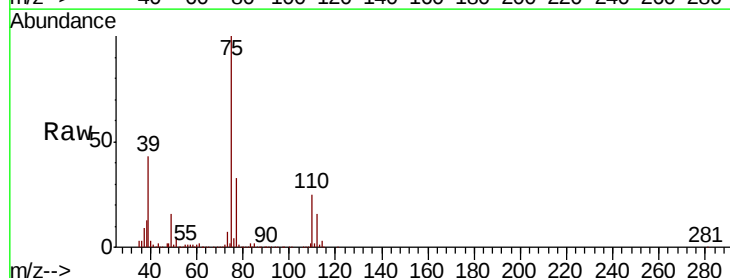
Tgt Ion: 75 Resp: 1570220

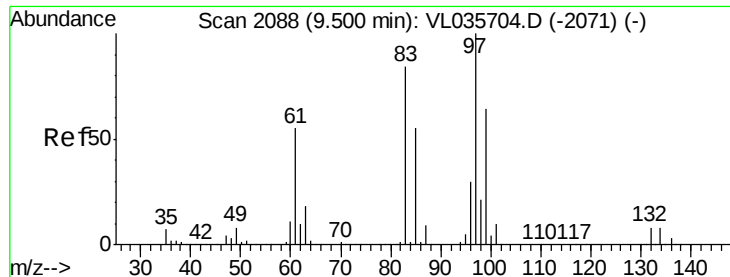
Ion Ratio Lower Upper

75 100

39 42.8 33.9 50.9

77 32.9 27.4 41.0

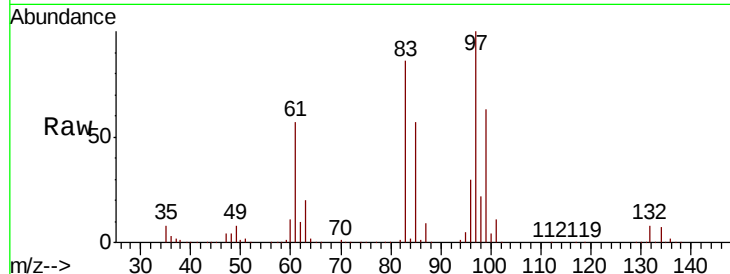




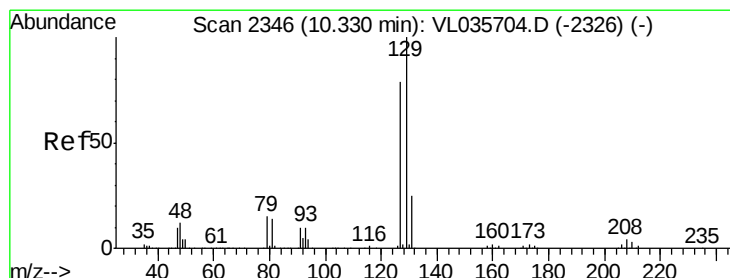
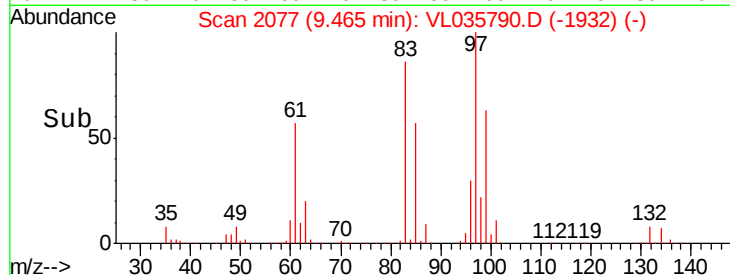
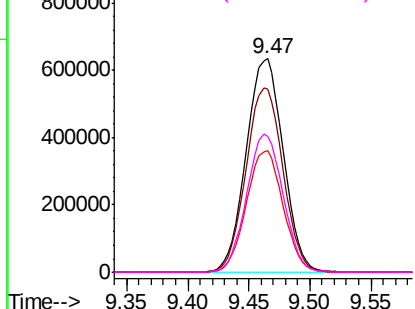
#47
 1,1,2-Trichloroethane
 Concen: 9.593 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

Tot Ion: 97 Resp: 1331648
 Ion Ratio Lower Upper
 97 100
 83 85.6 67.1 100.7
 85 57.0 43.9 65.9
 99 63.4 51.3 76.9

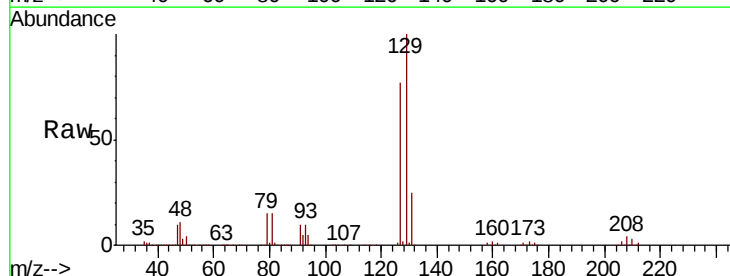


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

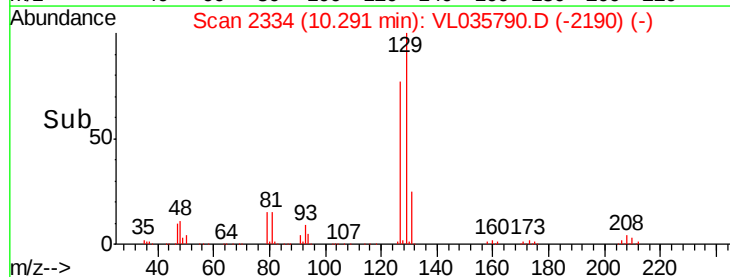
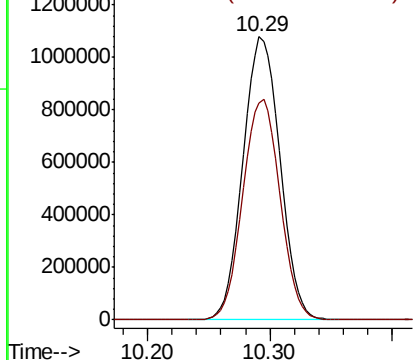


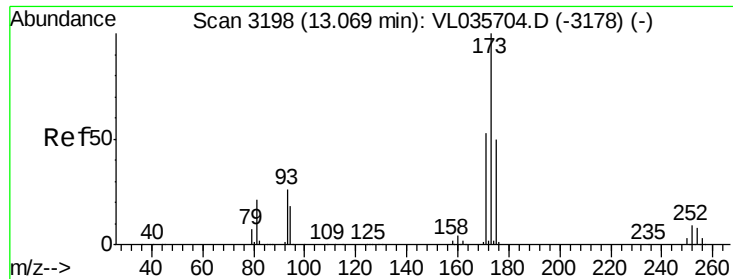
#48
 Dibromochloromethane
 Concen: 10.721 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion: 129 Resp: 2265030
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.225 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

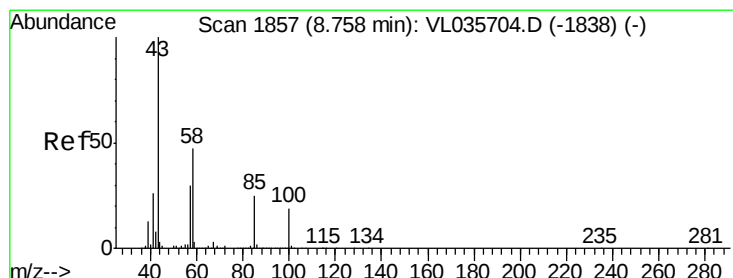
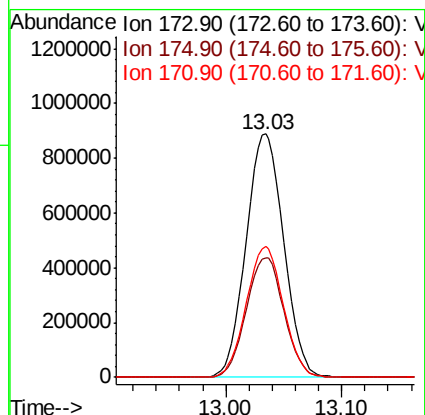
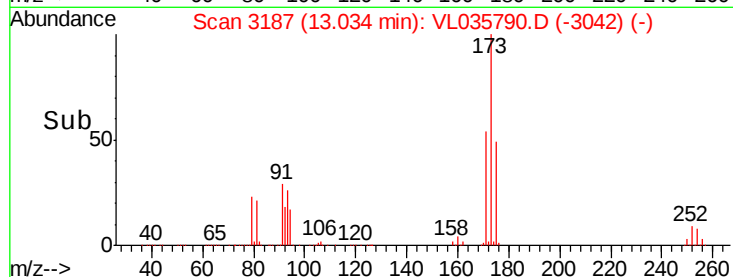
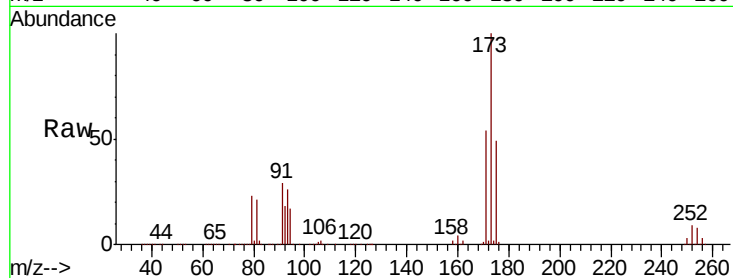
Tot Ion:173 Resp: 2012125

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.6

171 53.0 42.8 64.2



#50

4-Methyl-2-Pentanone

Concen: 10.537 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.03 min

Lab File: VL035790.D

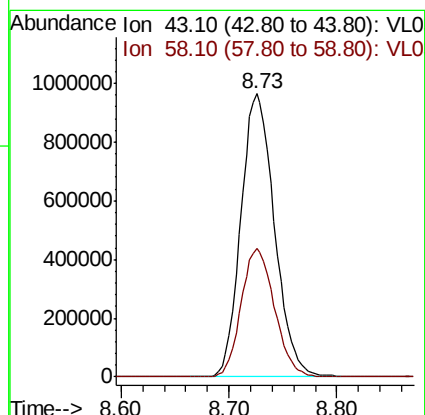
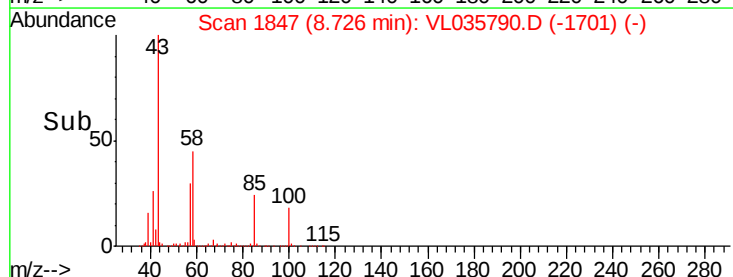
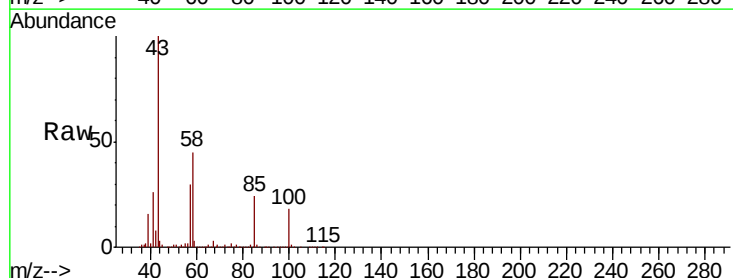
Acq: 19 Oct 2020 10:24

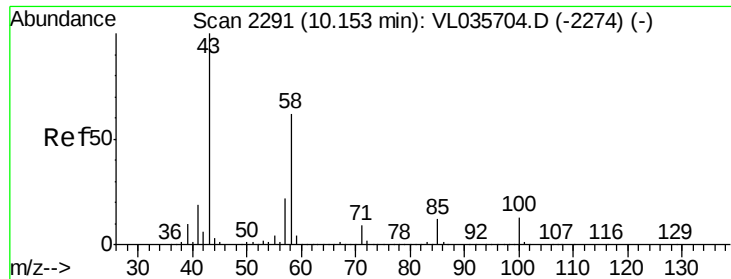
Tgt Ion: 43 Resp: 2088761

Ion Ratio Lower Upper

43 100

58 45.2 36.6 54.8

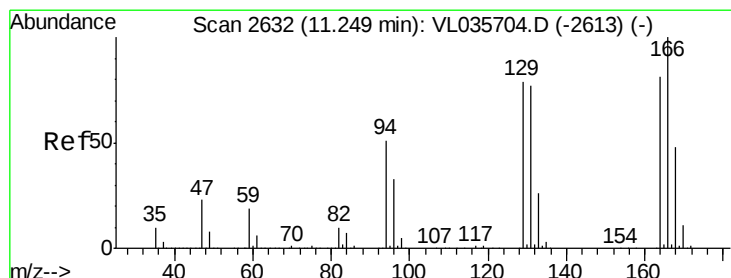
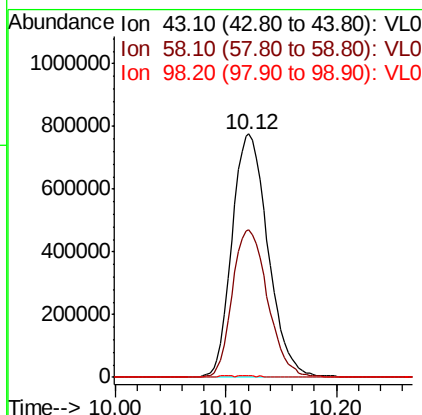
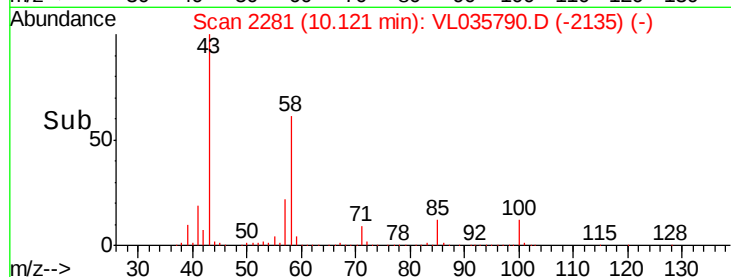
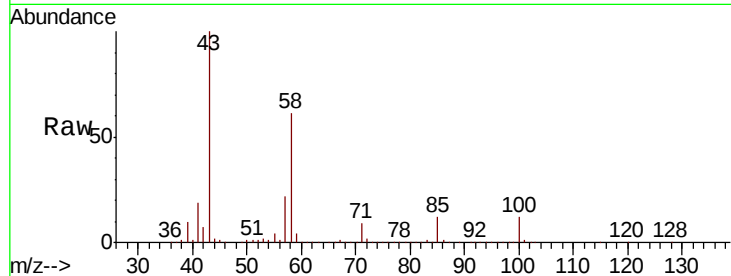




#51
2-Hexanone
Concen: 10.991 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.03 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

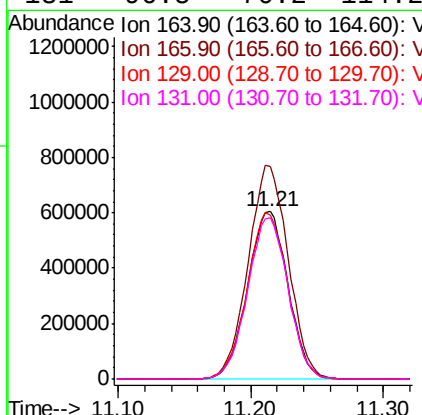
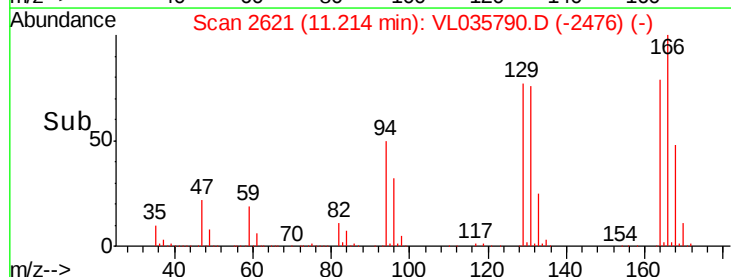
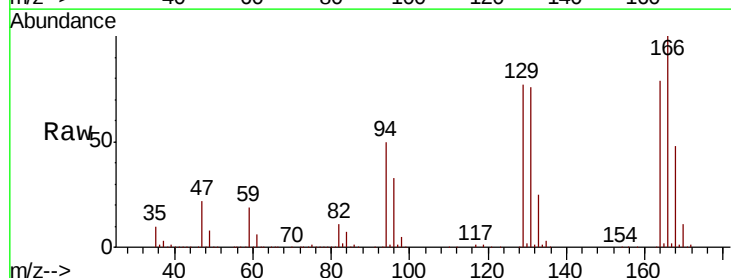
Instrument :
MSVOA_L
ClientSampleId :
BFB77

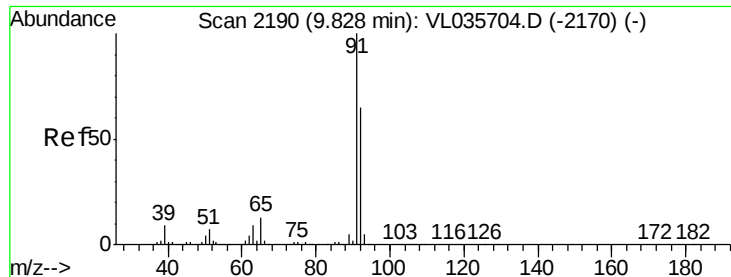
Tot Ion: 43 Resp: 1755523
Ion Ratio Lower Upper
43 100
58 59.9 48.7 73.1
98 0.8 0.7 1.1



#52
Tetrachloroethene
Concen: 9.985 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 164 Resp: 1283837
Ion Ratio Lower Upper
164 100
166 127.0 98.7 148.1
129 97.8 78.4 117.6
131 96.5 76.2 114.2





#53

Toluene

Concen: 11.024 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

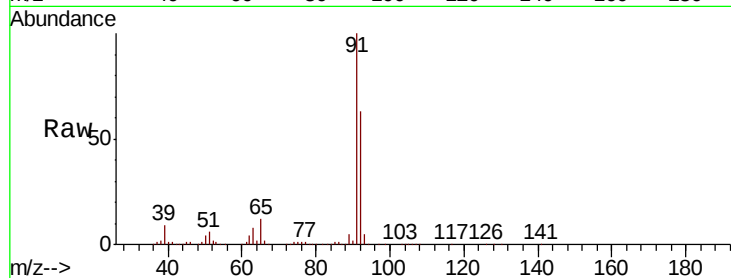
BFB77

Tot Ion: 91 Resp: 3475706

Ion Ratio Lower Upper

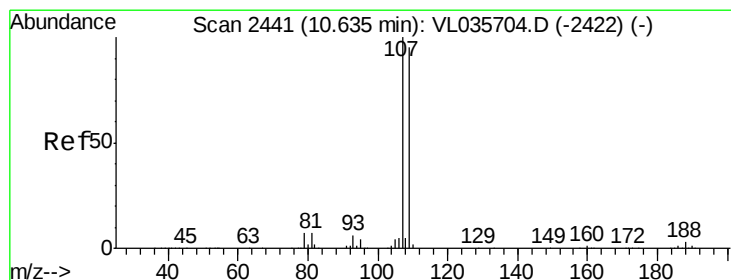
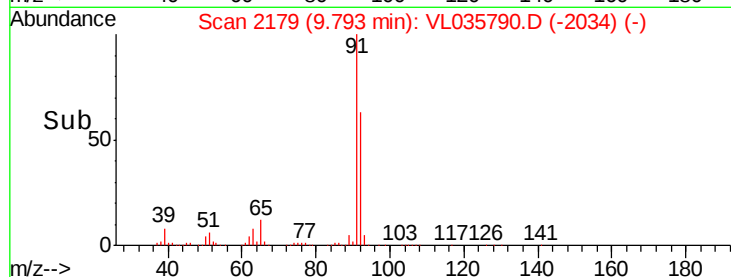
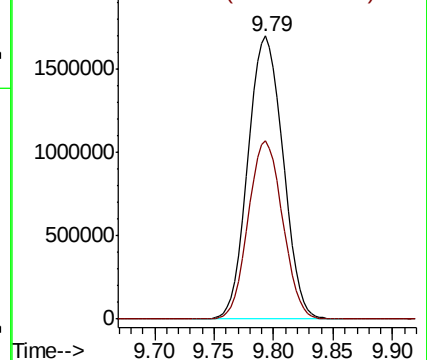
91 100

92 61.9 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.221 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.04 min

Lab File: VL035790.D

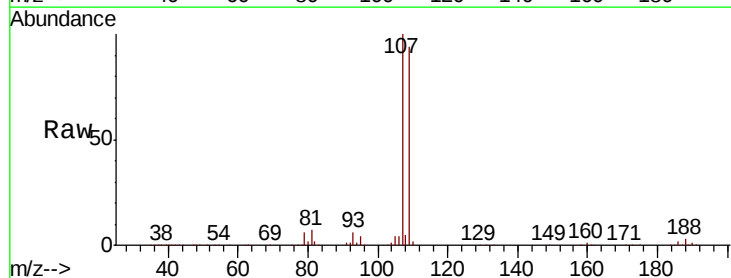
Acq: 19 Oct 2020 10:24

Tgt Ion:107 Resp: 2124491

Ion Ratio Lower Upper

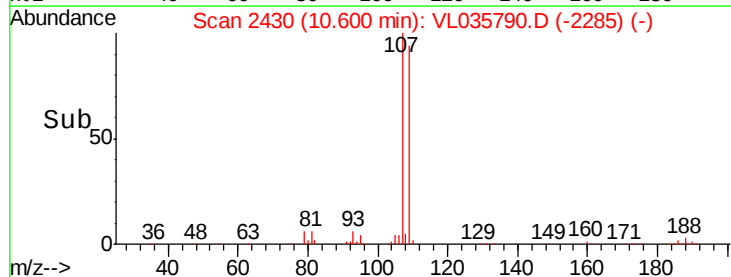
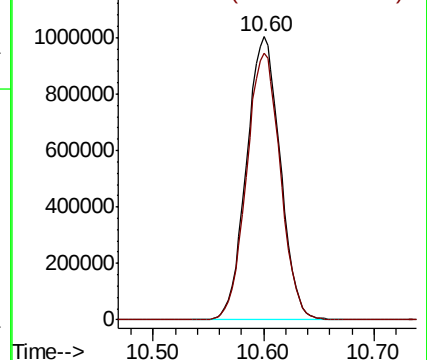
107 100

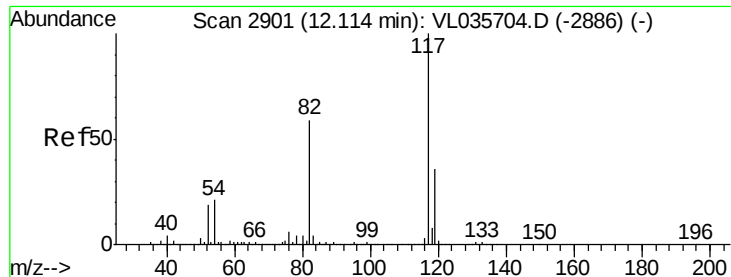
109 94.3 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

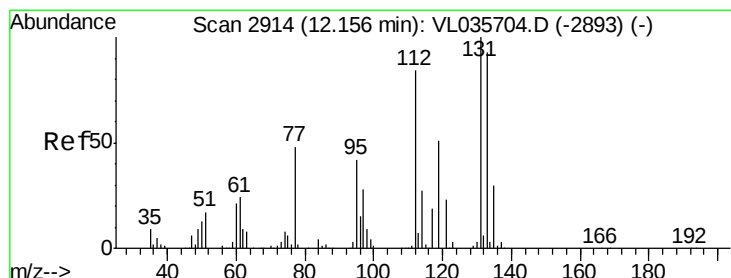
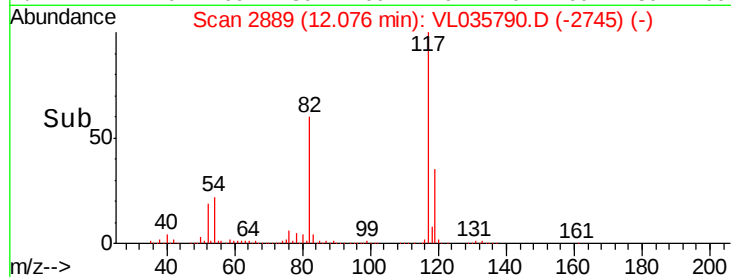
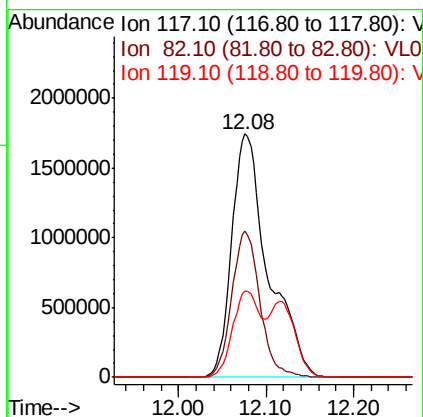
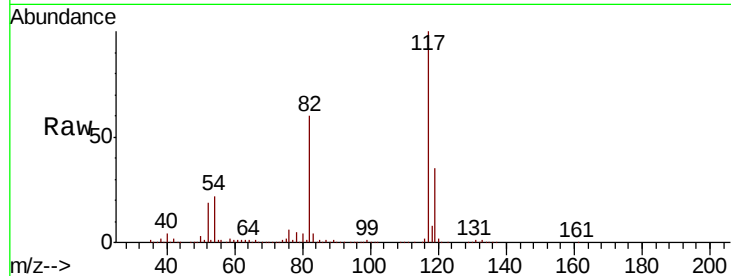




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

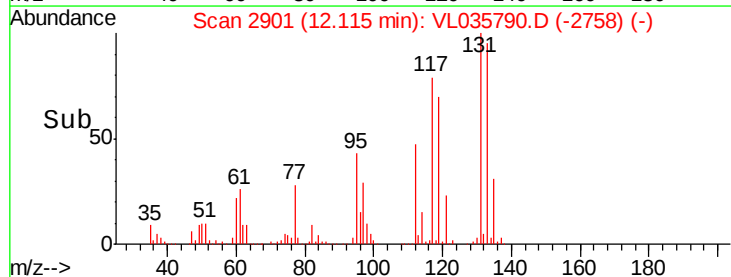
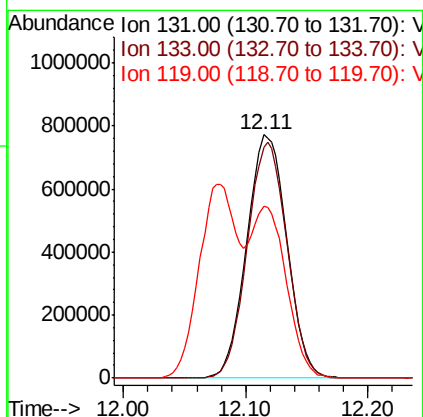
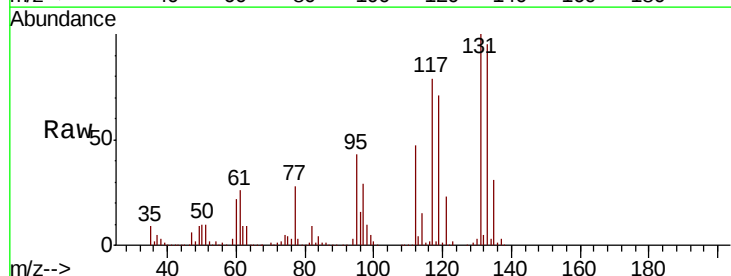
Instrument :
MSVOA_L
ClientSampleId :
BFB77

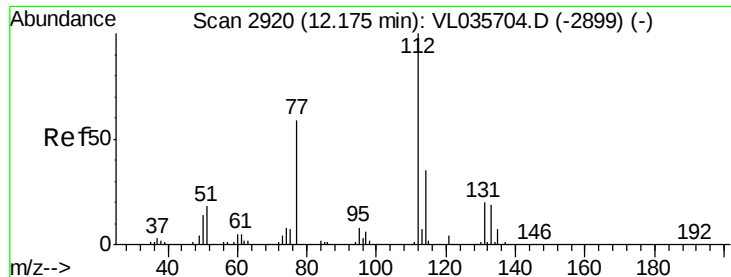
Tot Ion:117 Resp: 5055679
Ion Ratio Lower Upper
117 100
82 46.5 46.1 69.1
119 28.6 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.286 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion:131 Resp: 1756519
Ion Ratio Lower Upper
131 100
133 95.9 76.2 114.4
119 59.5 52.4 78.6

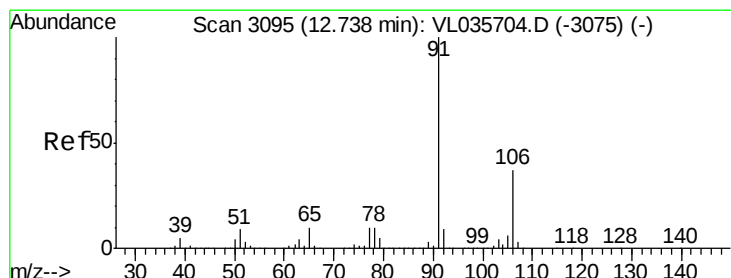
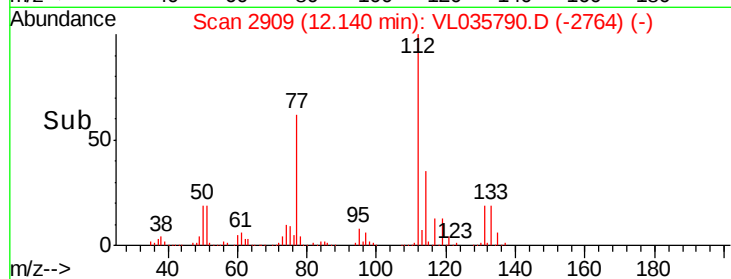
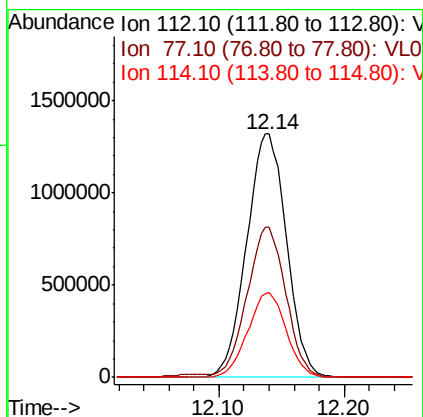
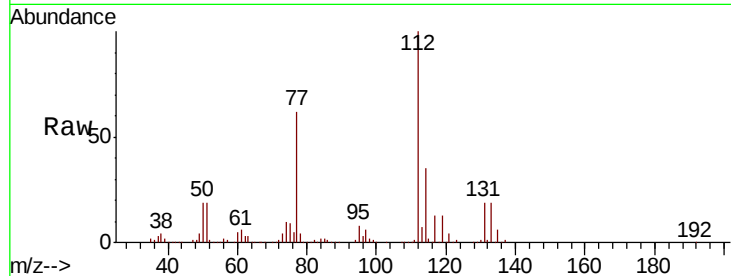




#57
Chlorobenzene
Concen: 7.642 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

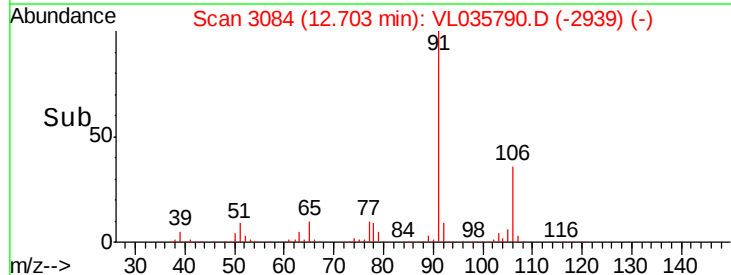
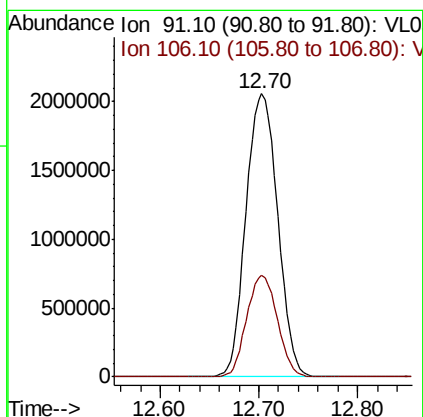
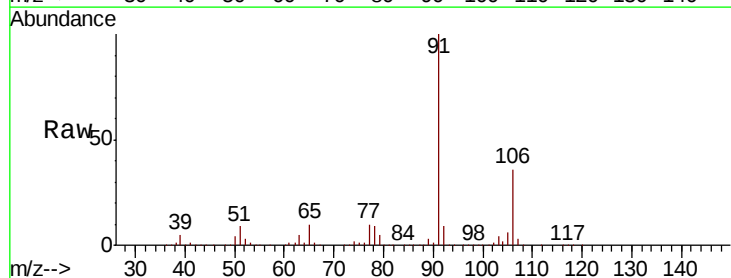
Instrument :
MSVOA_L
ClientSampleId :
BFB77

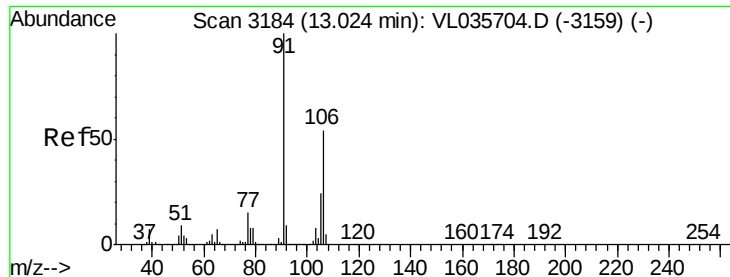
Tot Ion:112 Resp: 2918051
Ion Ratio Lower Upper
112 100
77 61.4 48.2 72.2
114 34.9 31.9 39.1



#58
Ethyl Benzene
Concen: 9.018 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 4575877
Ion Ratio Lower Upper
91 100
106 35.9 29.7 44.5

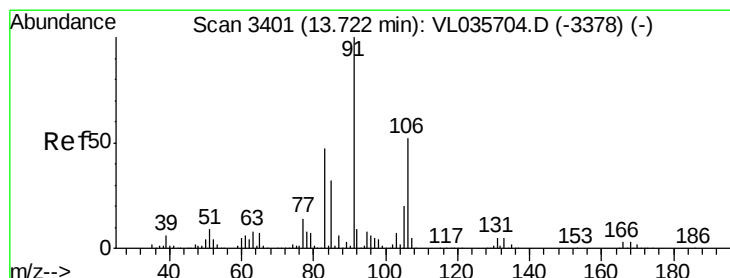
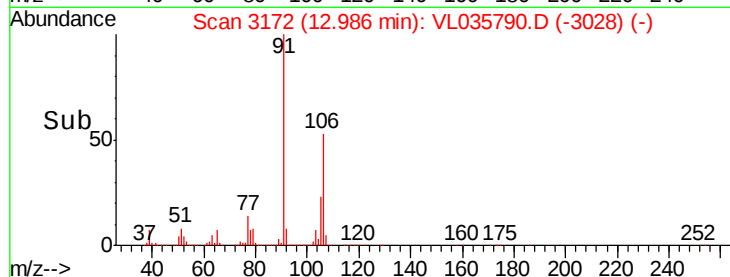
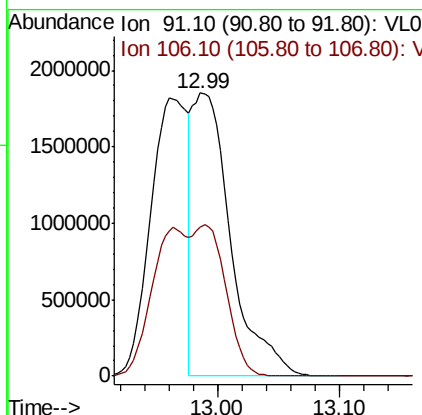
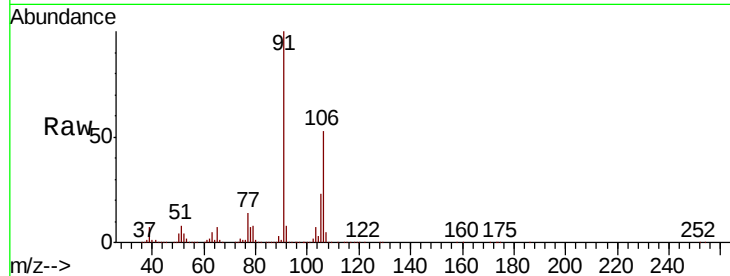




#59
m/p-Xylene
Concen: 9.067 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

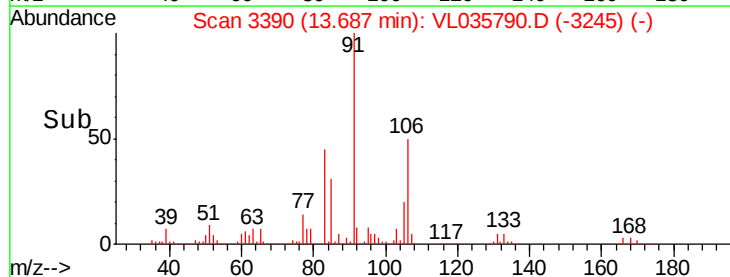
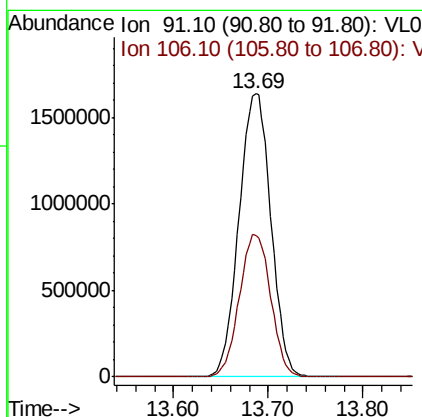
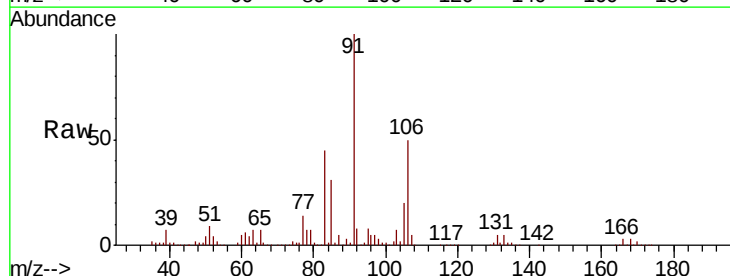
Instrument :
MSVOA_L
ClientSampled :
BFB77

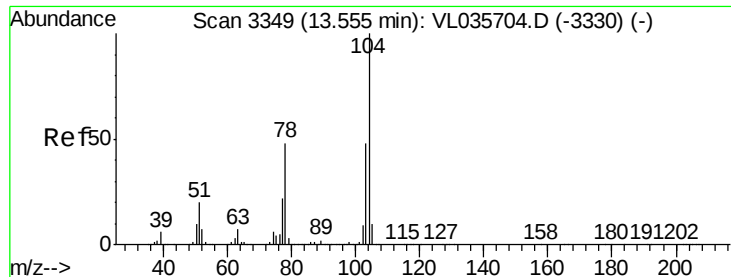
Tot Ion: 91 Resp: 4018137
Ion Ratio Lower Upper
91 100
106 96.4 41.4 62.0#



#60
o-Xylene
Concen: 8.558 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL035790.D
Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 3836125
Ion Ratio Lower Upper
91 100
106 49.4 25.0 75.0





#61

Stvrene

Concen: 9.602 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

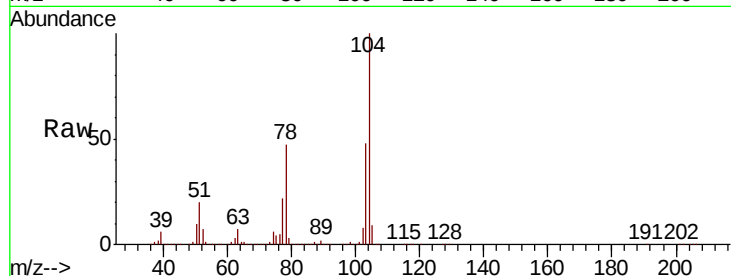
Tot Ion:104 Resp: 2976271

Ion Ratio Lower Upper

104 100

78 46.4 37.2 55.8

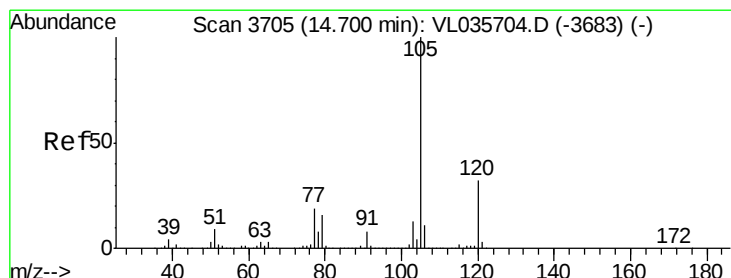
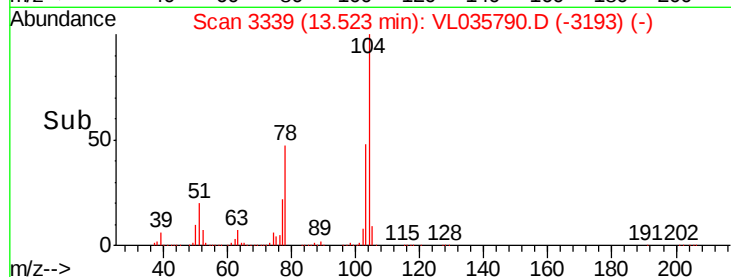
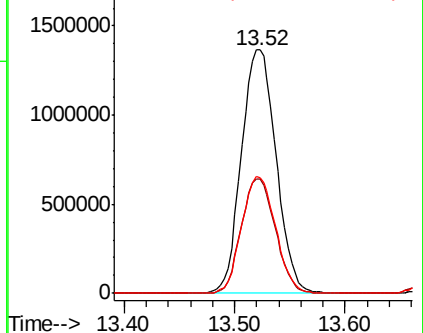
103 47.2 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VLO

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.318 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.04 min

Lab File: VL035790.D

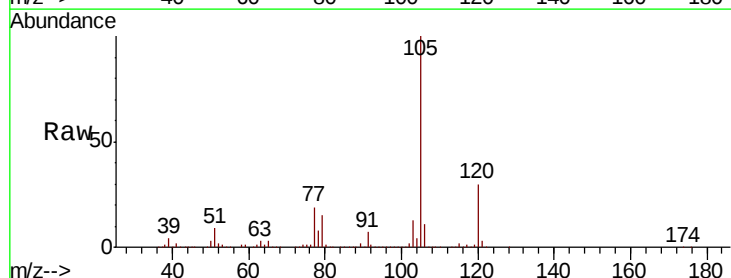
Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 5783777

Ion Ratio Lower Upper

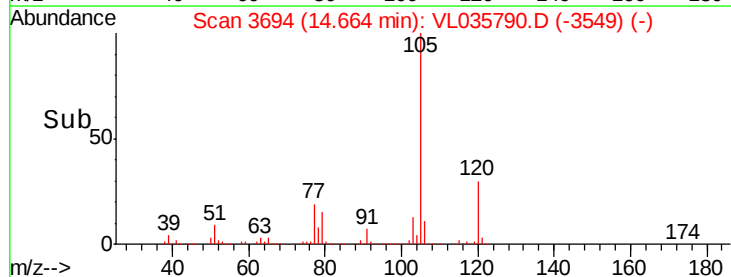
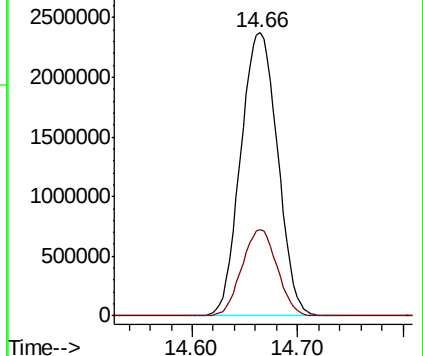
105 100

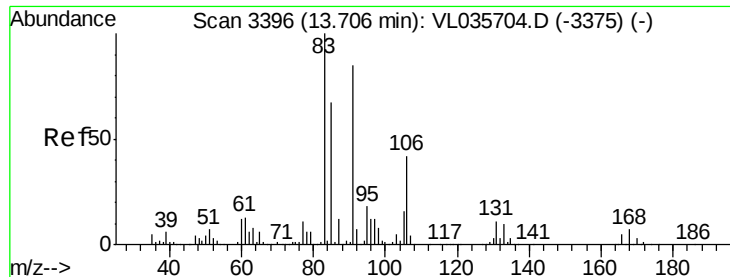
120 29.1 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

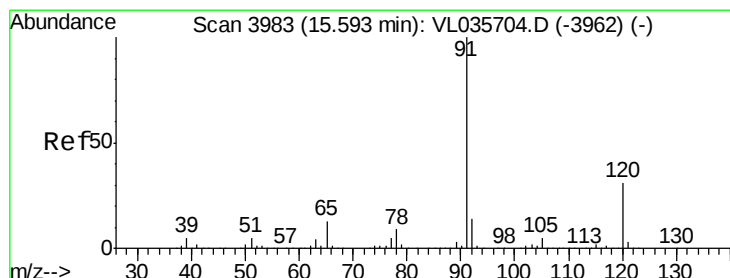
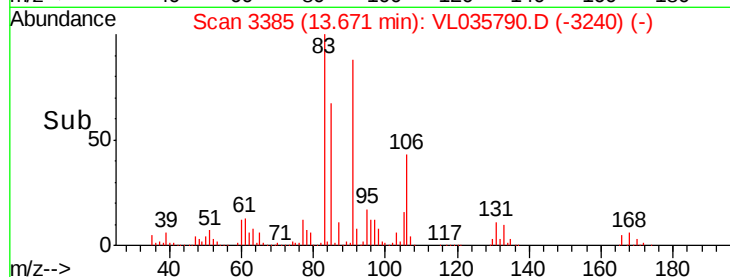
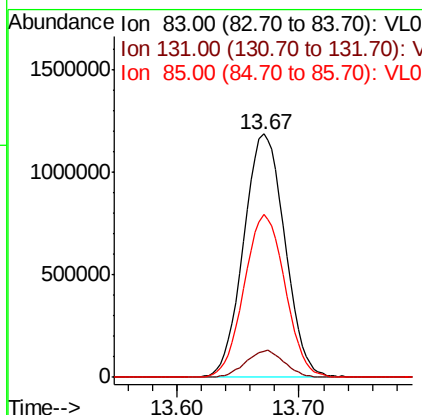
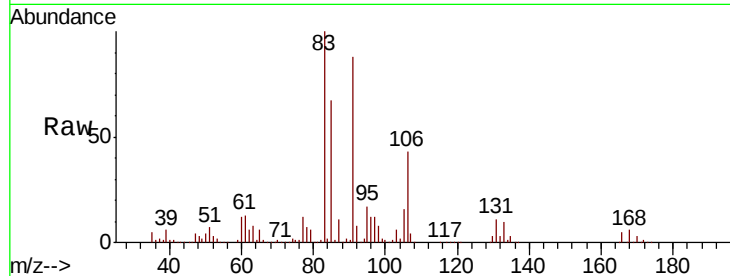




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.547 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

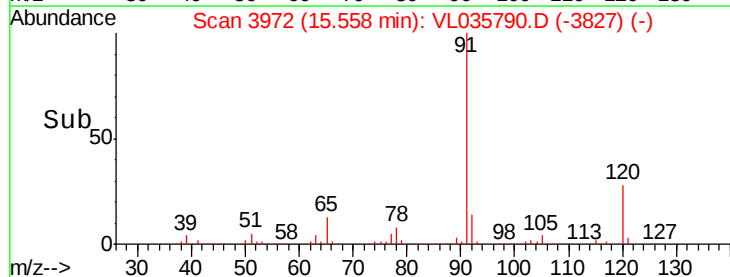
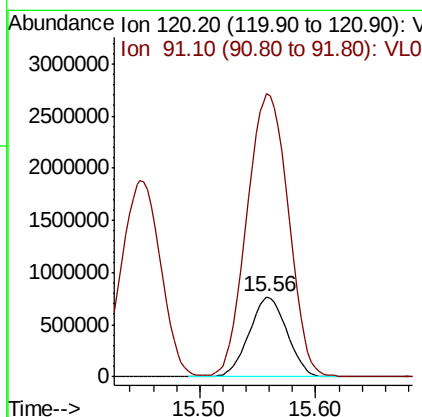
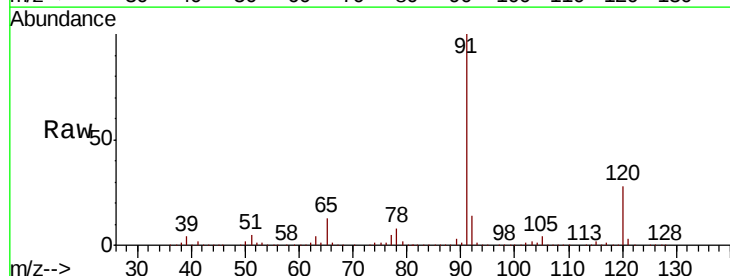
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

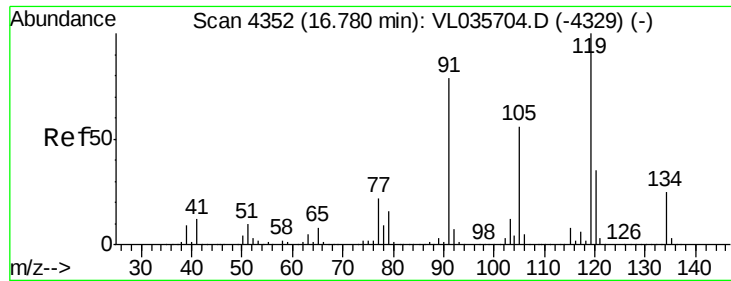
Tot Ion: 83 Resp: 2773977
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 16.1
 85 66.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.545 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion:120 Resp: 1738858
 Ion Ratio Lower Upper
 120 100
 91 389.7 300.4 450.6

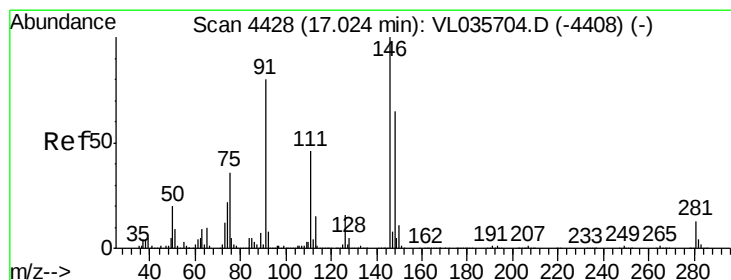
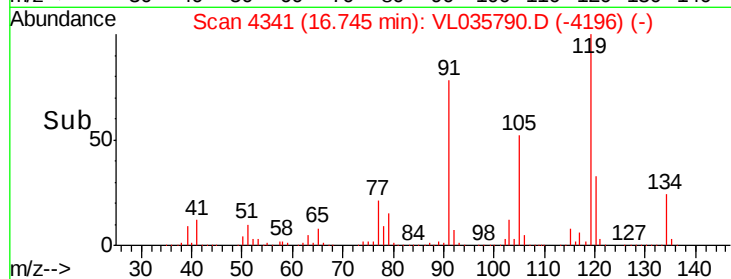
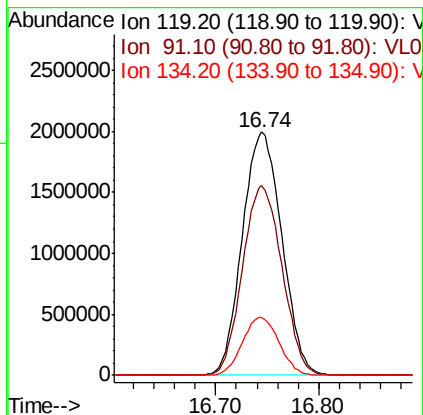
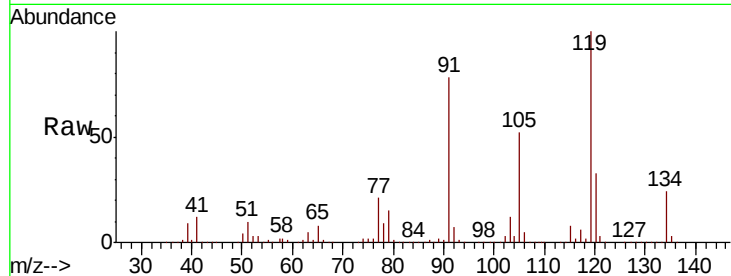




#65
 tert-Butylbenzene
 Concen: 8.411 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

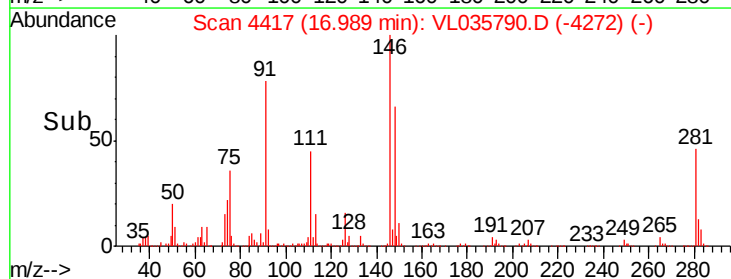
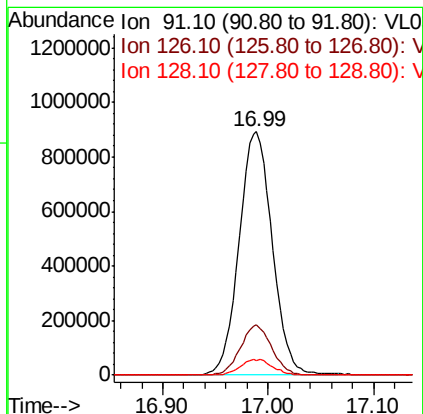
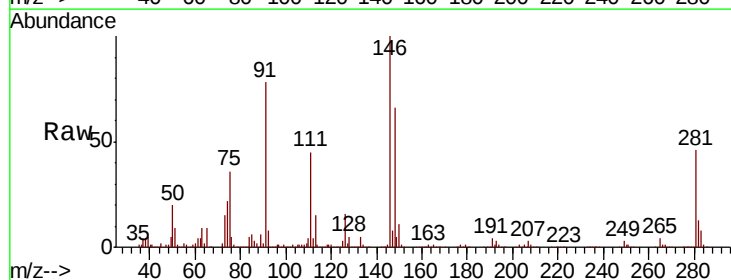
Instrument :
 MSVOA_L
 ClientSampled :
 BFB77

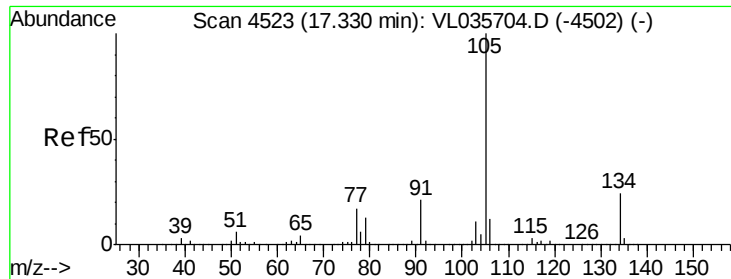
Tot Ion:119 Resp: 5316907
 Ion Ratio Lower Upper
 119 100
 91 77.9 62.4 93.6
 134 22.2 18.2 27.2



#66
 Benzyl Chloride
 Concen: 10.176 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion: 91 Resp: 1948908
 Ion Ratio Lower Upper
 91 100
 126 19.5 15.3 22.9
 128 6.3 5.0 7.4

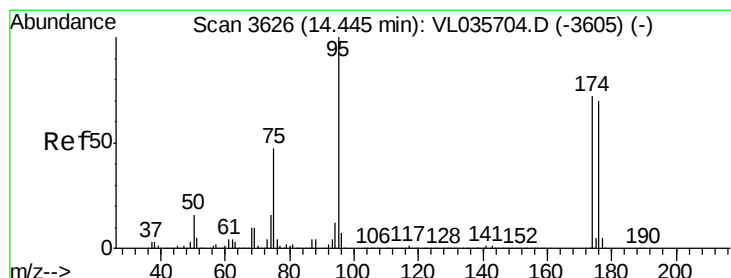
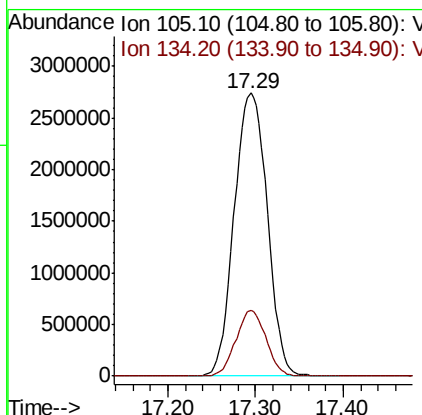
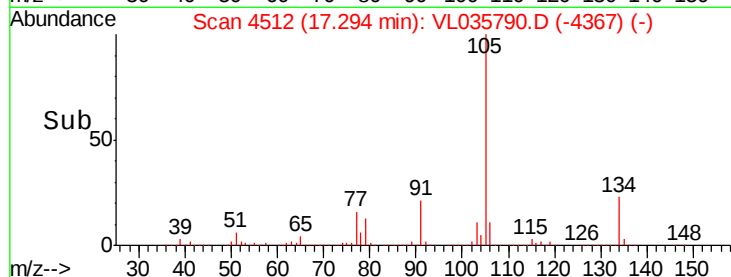
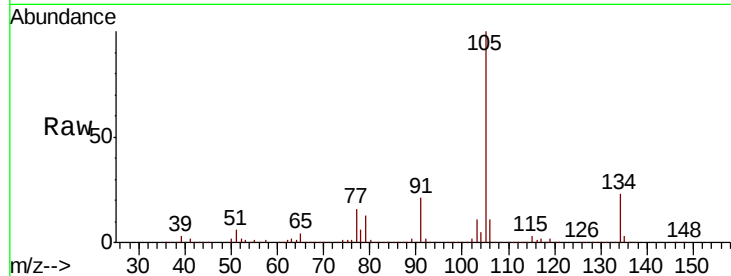




#67
 sec-Butylbenzene
 Concen: 8.233 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

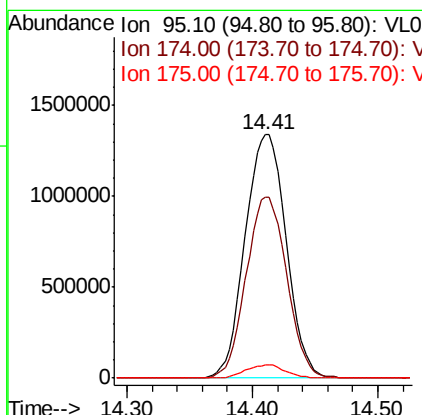
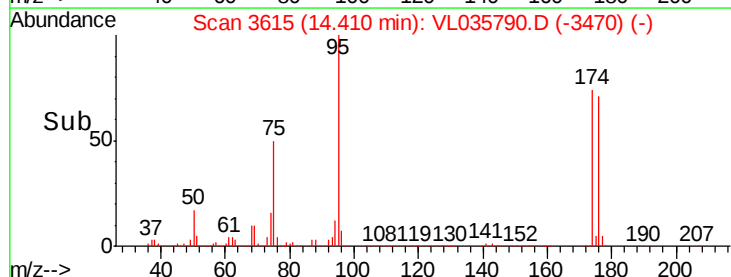
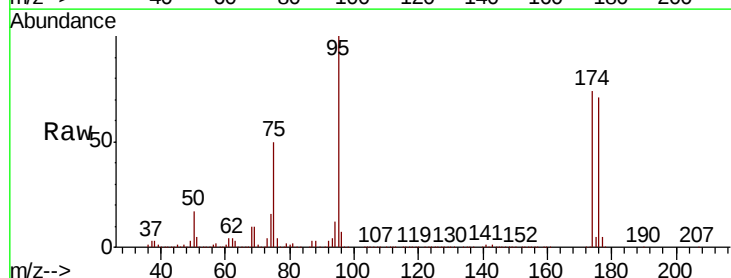
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

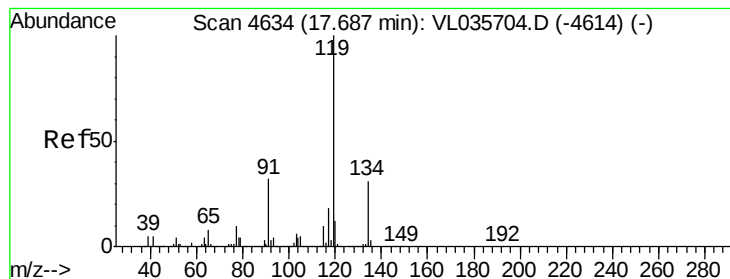
Tot Ion:105 Resp: 7187222
 Ion Ratio Lower Upper
 105 100
 134 21.2 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.049 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion: 95 Resp: 3049332
 Ion Ratio Lower Upper
 95 100
 174 73.9 59.6 89.4
 175 5.3 4.2 6.4





#69

p-Isopropyltoluene

Concen: 8.516 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

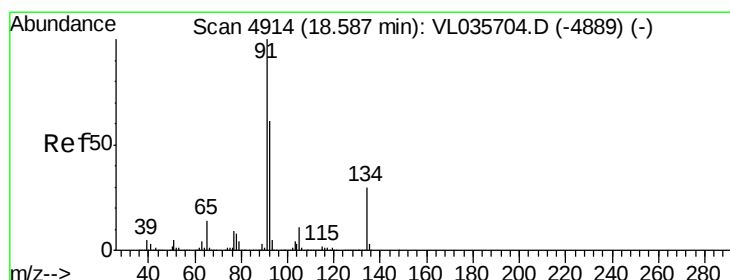
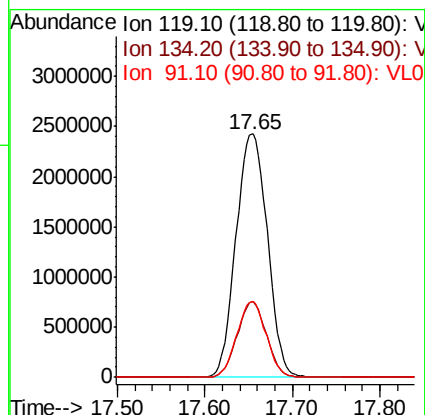
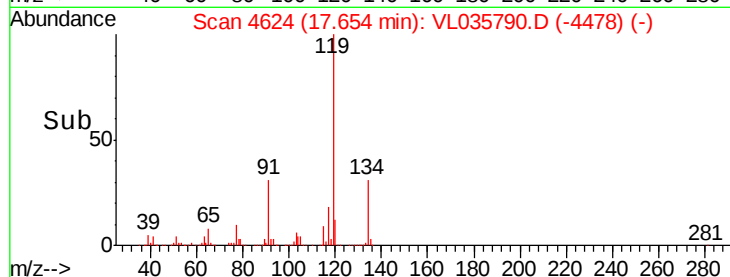
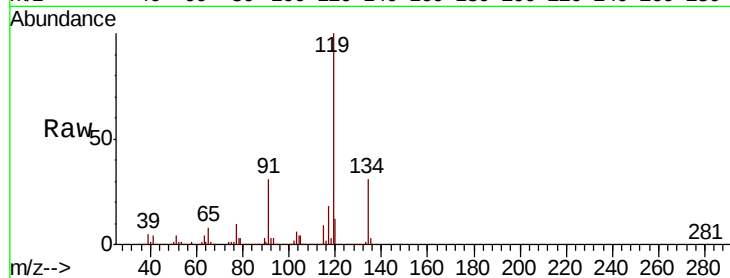
Tot Ion:119 Resp: 6048139

Ion Ratio Lower Upper

119 100

134 29.0 23.9 35.9

91 29.1 23.8 35.6



#70

n-Butylbenzene

Concen: 8.303 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

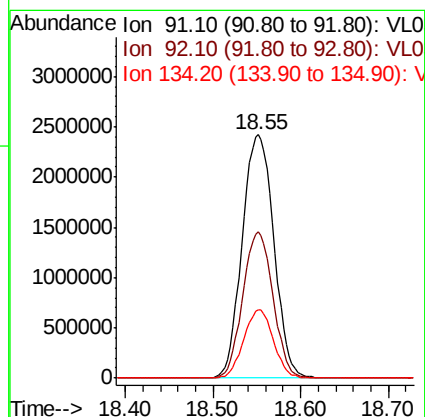
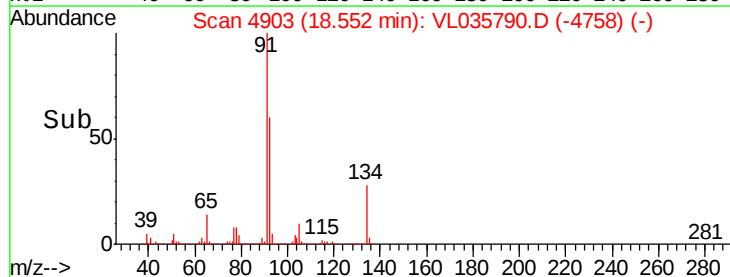
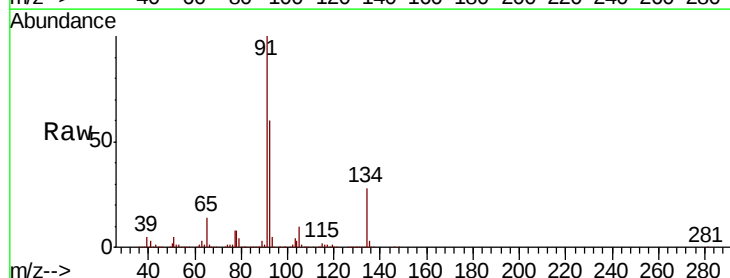
Tgt Ion: 91 Resp: 6072160

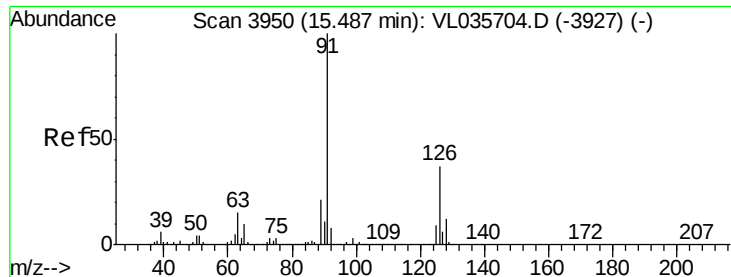
Ion Ratio Lower Upper

91 100

92 57.4 47.0 70.4

134 26.3 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.727 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

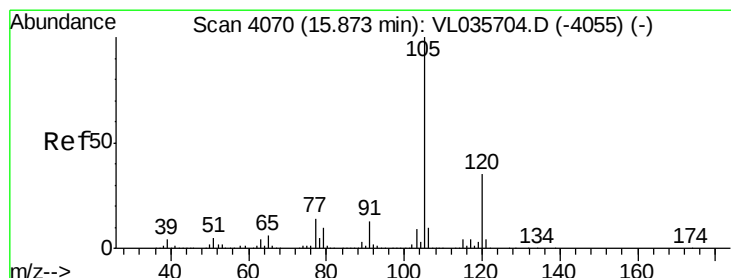
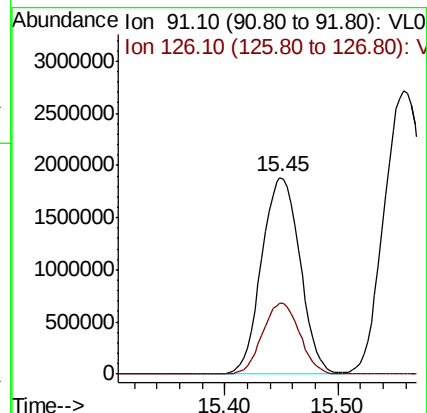
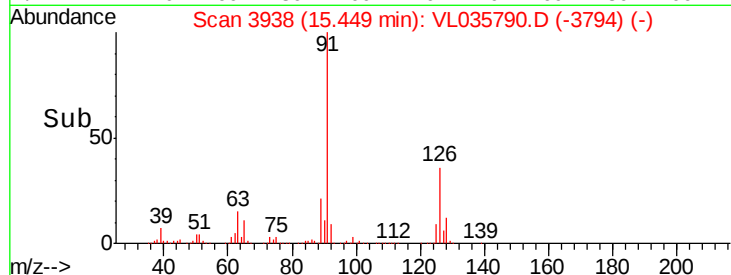
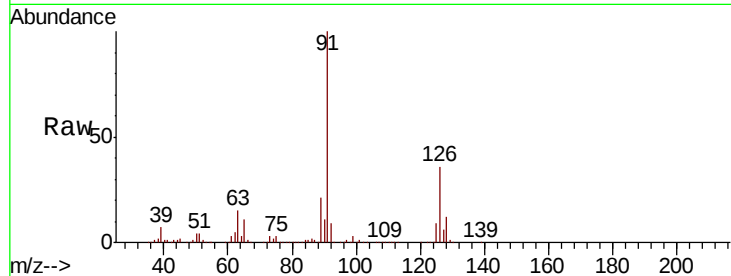
BFB77

Tot Ion: 91 Resp: 4426067

Ion Ratio Lower Upper

91 100

126 35.0 14.4 57.4



#72

4-Ethyltoluene

Concen: 8.868 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 4709307

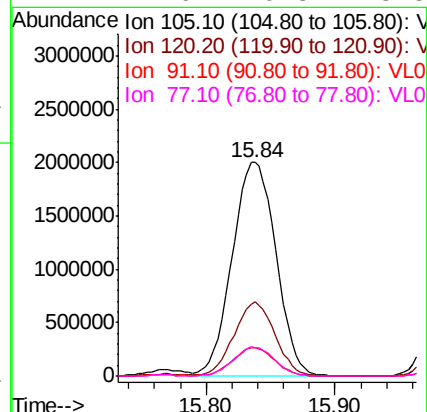
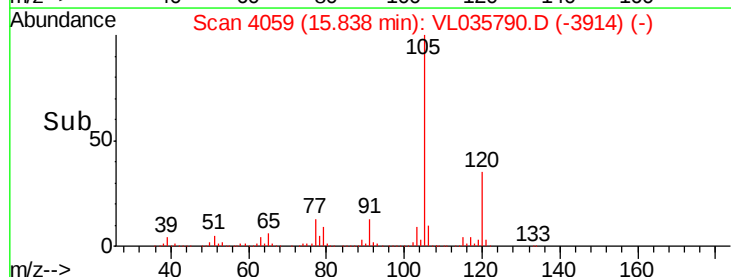
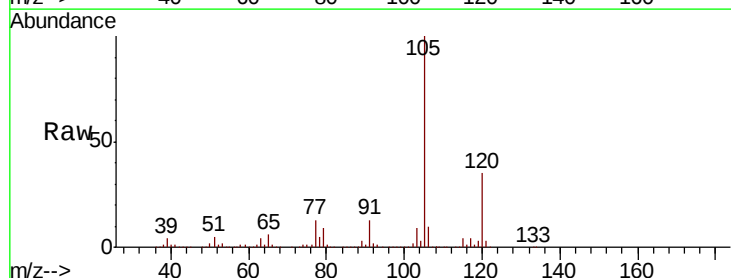
Ion Ratio Lower Upper

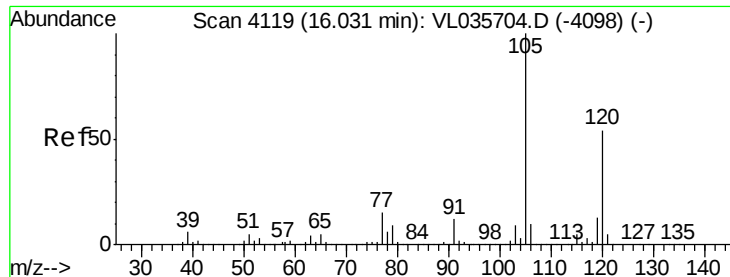
105 100

120 32.5 26.5 39.7

91 12.6 10.2 15.2

77 12.9 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 8.721 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

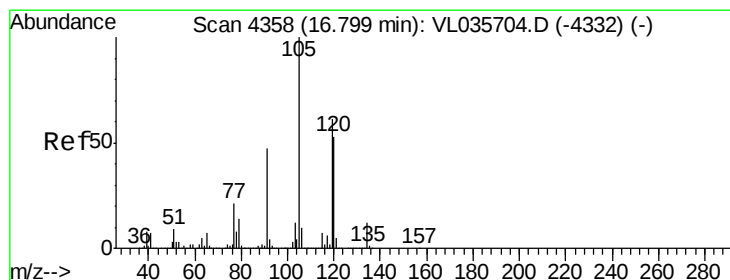
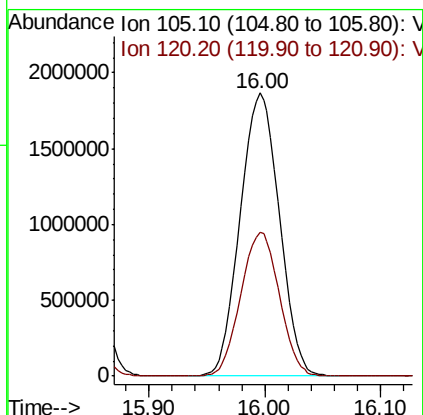
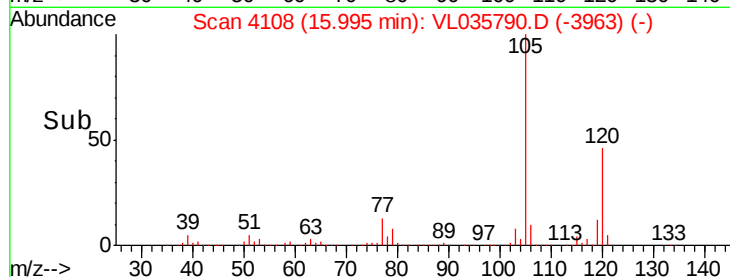
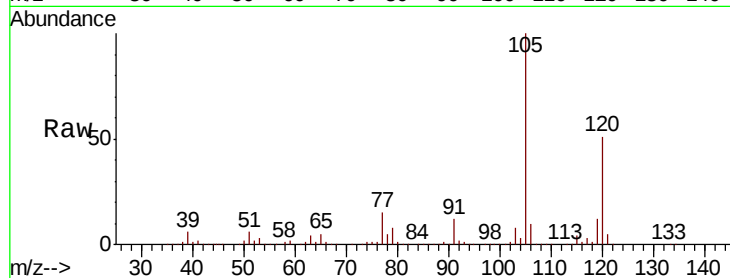
BFB77

Tot Ion:105 Resp: 4376444

Ion Ratio Lower Upper

105 100

120 50.9 43.0 64.4



#74

1,2,4-Trimethylbenzene

Concen: 8.082 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion:105 Resp: 4571723

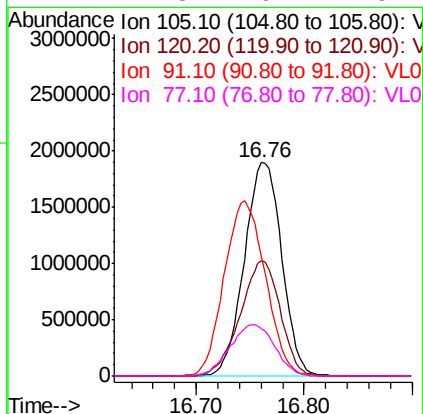
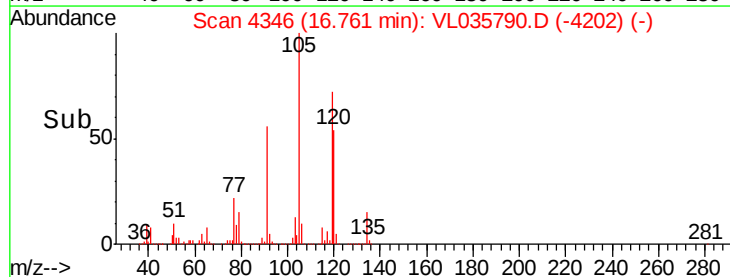
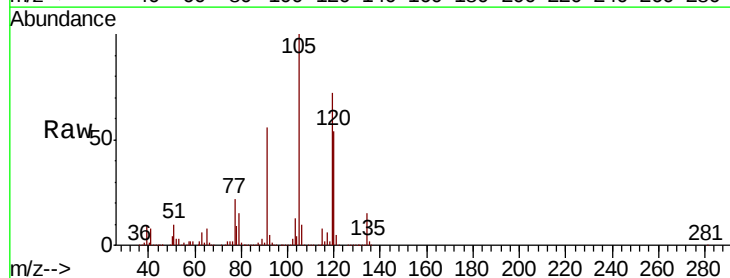
Ion Ratio Lower Upper

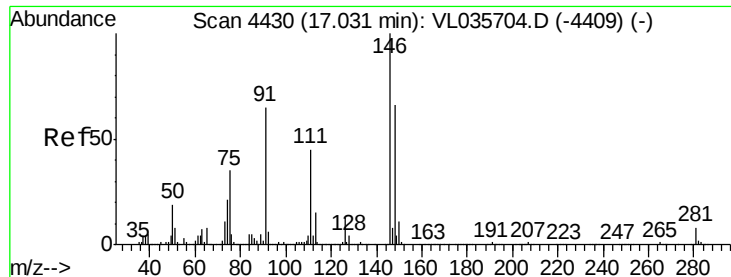
105 100

120 53.8 42.5 63.7

91 55.9 37.7 56.5

77 22.3 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 7.679 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

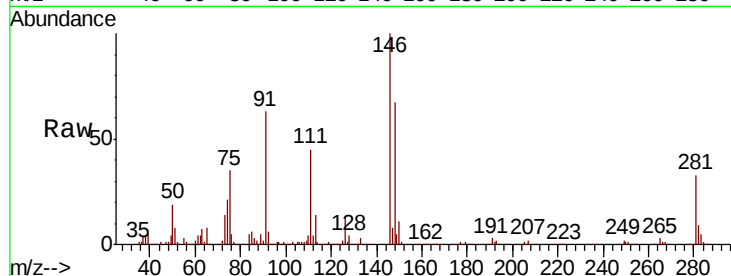
Tot Ion:146 Resp: 2965799

Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.0

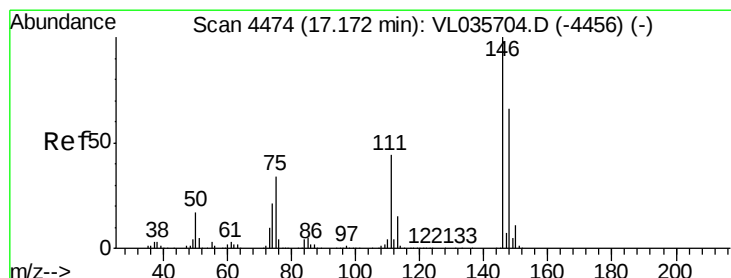
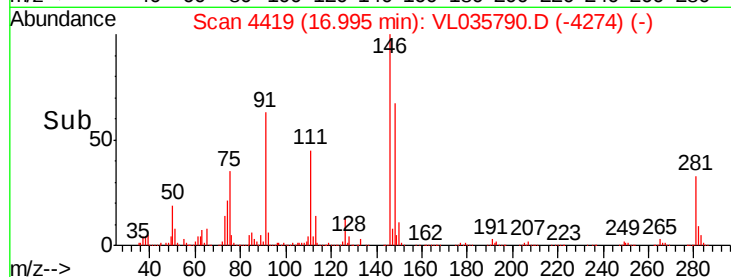
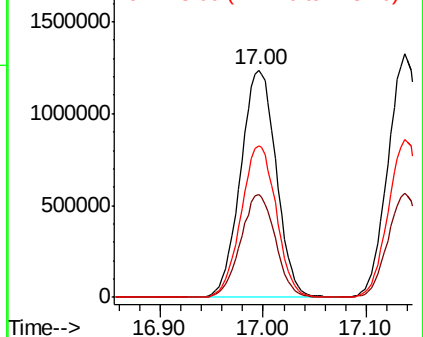
148 65.6 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.144 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

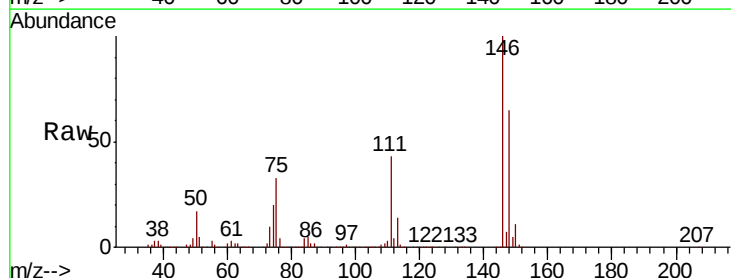
Tgt Ion:146 Resp: 3006649

Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.3

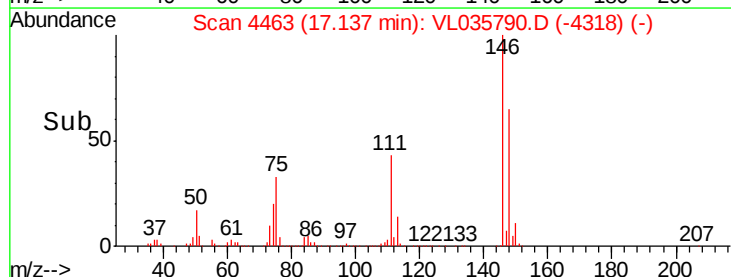
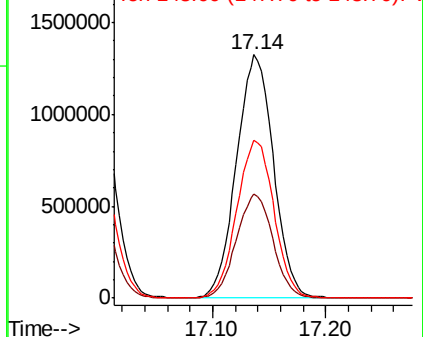
148 65.5 32.6 98.0

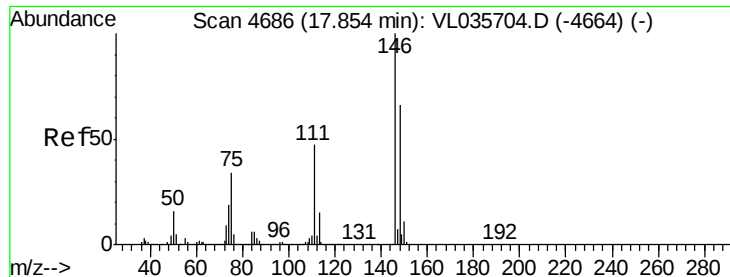


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

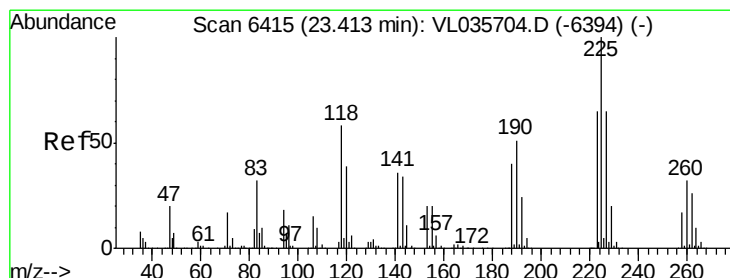
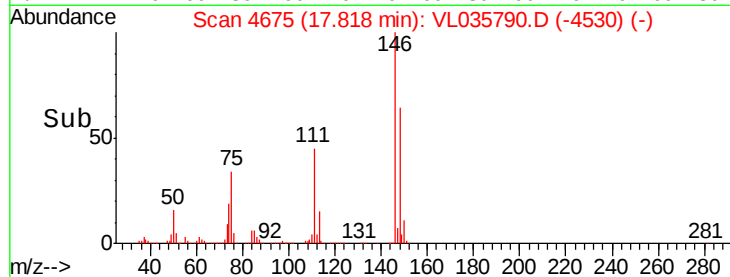
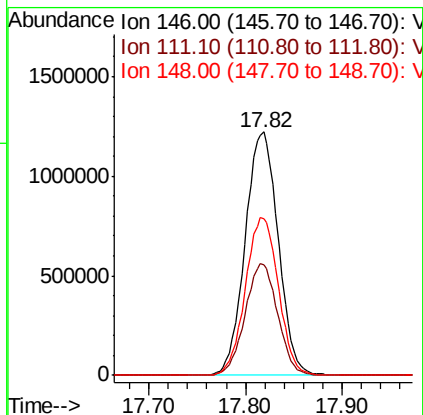
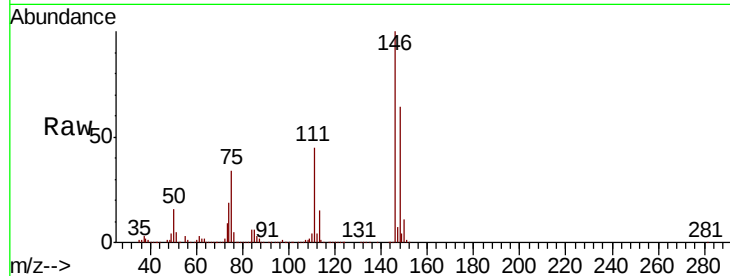




#77
 1,2-Dichlorobenzene
 Concen: 7.947 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.04 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

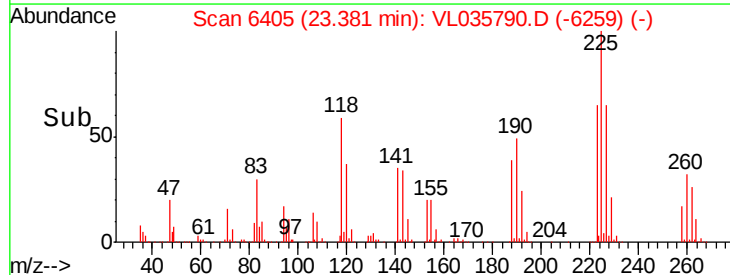
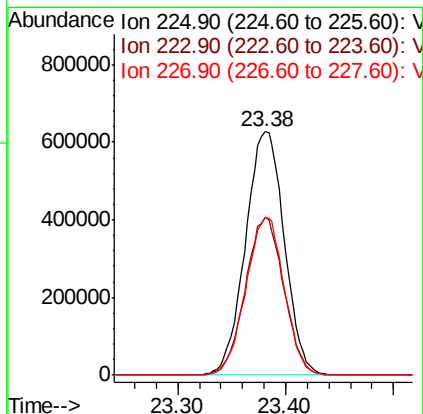
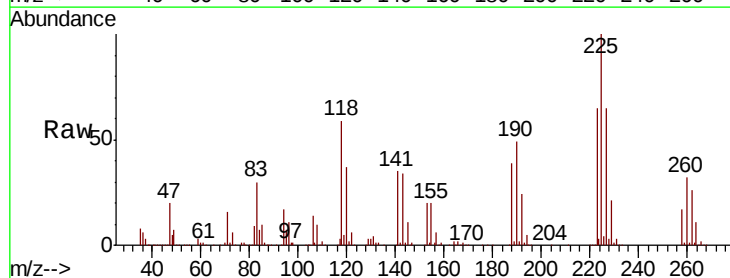
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB77

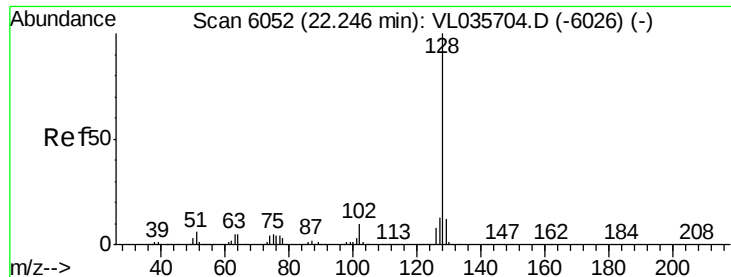
Tot Ion:146 Resp: 2898877
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 65.0 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.796 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.03 min
 Lab File: VL035790.D
 Acq: 19 Oct 2020 10:24

Tgt Ion:225 Resp: 1569018
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.3 76.9
 227 64.2 51.6 77.4





#79

Naphthalene

Concen: 8.175 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

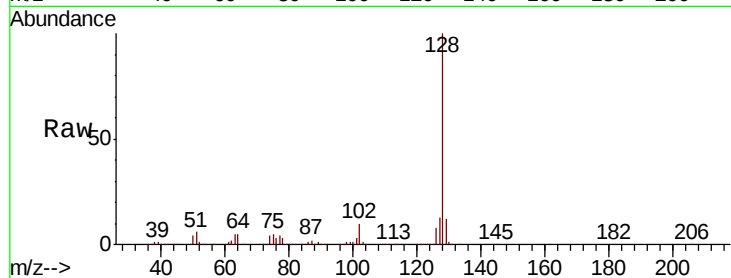
MSVOA_L

ClientSampleId :

BFB77

Tot Ion:128 Resp: 4410815

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.5	9.4	14.0

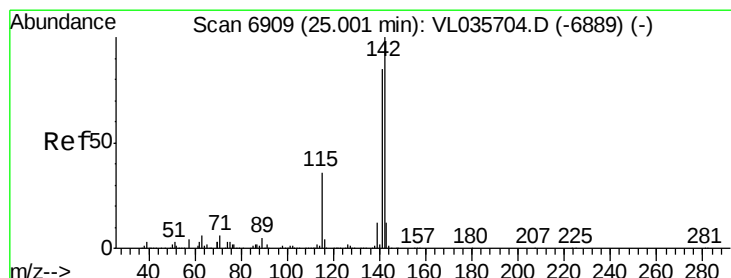
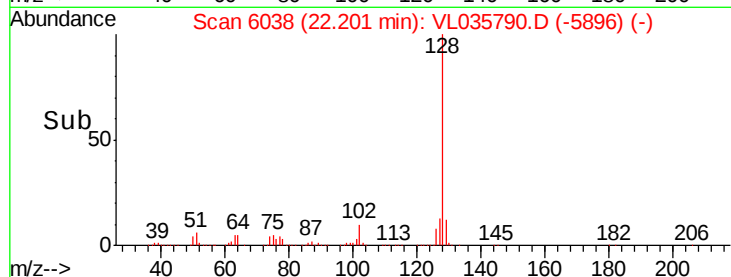
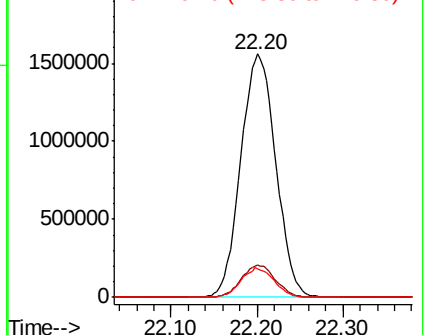


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.001 ppbv

RT: 24.98 min Scan# 6901

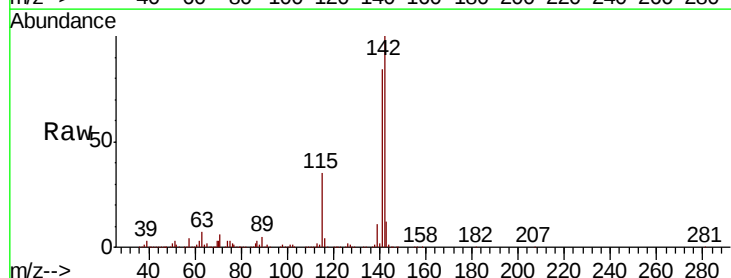
Delta R.T. -0.03 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Tgt Ion:142 Resp: 1400039

Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.4
115	34.0	27.8	41.6

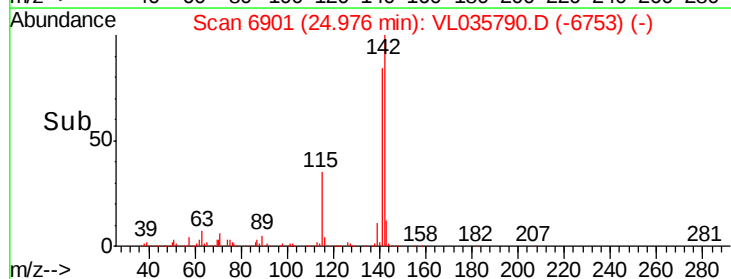
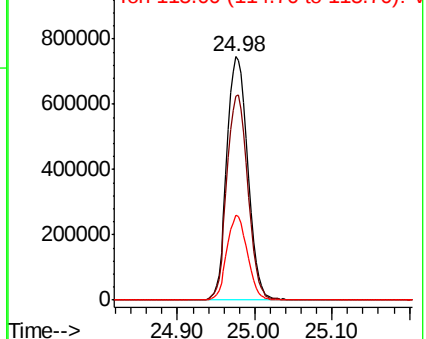


Abundance

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: 7.970 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. -0.04 min

Lab File: VL035790.D

Acq: 19 Oct 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

BFB77

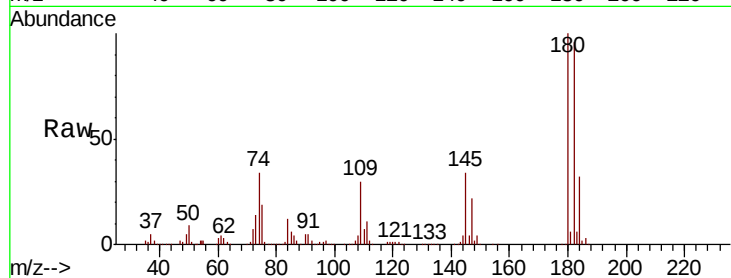
Tot Ion:180 Resp: 2228582

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.2

184 31.0 24.6 37.0



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

