

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035744.D
 Acq On : 8 Oct 2020 13:37
 Operator : SY/AP
 Sample : VL1008SBS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 09 01:16:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.67	49	1179896	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4545594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5653921	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3344987	7.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1676507	8.660	ppbv 99
3) Chlorodifluoromethane	2.98	51	1205980	9.501	ppbv 100
4) Chloromethane	3.13	50	647126	9.490	ppbv 98
5) Vinyl Chloride	3.25	62	771973	9.571	ppbv 98
6) Bromomethane	3.47	94	649626	9.528	ppbv 99
7) Chloroethane	3.55	64	286859	9.698	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2151484	9.162	ppbv 100
9) Propene	3.00	41	467948	10.153	ppbv 99
10) Heptane	8.13	43	1368629	10.652	ppbv 100
11) Trichlorofluoromethane	3.95	101	2619332	9.482	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1947460	9.457	ppbv 99
13) Ethanol	3.61	45	96593	8.499	ppbv 100
14) Bromoethene	3.74	108	856716	9.877	ppbv 100
15) Acetone	3.85	43	1057890	8.332	ppbv 100
16) 1,3-Butadiene	3.32	39	488244	10.512	ppbv 99
17) tert-Butyl alcohol	4.30	59	1411849	10.209	ppbv 99
18) 1,1-Dichloroethene	4.29	96	893568	9.911	ppbv 96
19) Isopropyl Alcohol	3.97	45	682214	9.878	ppbv 99
20) Methylene Chloride	4.34	84	734054	7.871	ppbv 97
21) Allyl Chloride	4.41	41	643451	10.456	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	936683	9.834	ppbv 99
23) Vinyl Acetate	5.08	43	1668038	10.727	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1625136	9.595	ppbv 99
25) Ethyl Acetate	5.68	43	2223980	9.735	ppbv 100
26) Hexane	5.69	57	1222806	9.768	ppbv 99
27) Carbon Disulfide	4.55	76	1989343	10.661	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2117323	10.670	ppbv 100
29) Chloroform	5.76	83	2465066	9.696	ppbv 99
30) Cyclohexane	7.14	84	1356073	10.979	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1297800	10.739	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2402544	10.721	ppbv 100
34) 2-Butanone	5.25	43	1531327	10.185	ppbv 99
35) Carbon Tetrachloride	7.03	117	2495006	10.527	ppbv 98
36) Benzene	6.90	78	3088819	10.428	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1529582	9.908	ppbv 100
38) Trichloroethene	7.85	130	1543359	10.445	ppbv 99
39) 1,2-Dichloropropane	7.62	63	1074192	10.006	ppbv 98
40) 1,4-Dioxane	7.84	88	515385	10.497	ppbv # 1
41) Tetrahydrofuran	6.05	42	861500	11.374	ppbv 99
42) Bromodichloromethane	7.81	83	2577806	10.366	ppbv 98
43) Methyl Methacrylate	8.03	69	1313716	11.152	ppbv 99

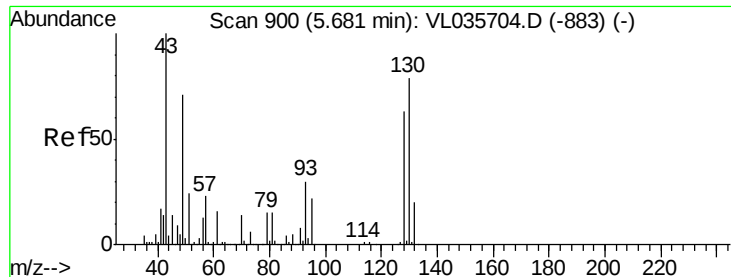
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035744.D
 Acq On : 8 Oct 2020 13:37
 Operator : SY/AP
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Quant Time: Oct 09 01:16:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY 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)
44) 2,2,4-Trimethylpentane	7.88	57	4214660	9.916	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1463657	12.307	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1744160	11.897	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1509296	9.815	ppbv	99
48) Dibromochloromethane	10.32	129	2555222	10.918	ppbv	100
49) Bromoform	13.06	173	2271865	11.441	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2287081	10.415	ppbv	100
51) 2-Hexanone	10.15	43	1917295	10.836	ppbv	100
52) Tetrachloroethene	11.24	164	1451863	10.193	ppbv	97
53) Toluene	9.82	91	3866955	11.072	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2352930	10.219	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1965688	8.292	ppbv	97
57) Chlorobenzene	12.17	112	3246574	7.602	ppbv	100
58) Ethyl Benzene	12.73	91	5049083	8.897	ppbv	100
59) m/p-Xylene	13.02	91	4464064	9.008	ppbv #	36
60) o-Xylene	13.72	91	4216941	8.412	ppbv	100
61) Styrene	13.55	104	3294887	9.505	ppbv	100
62) Isopropylbenzene	14.69	105	6341860	8.156	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3080503	7.494	ppbv	100
64) n-propylbenzene	15.59	120	1935522	8.505	ppbv	98
65) tert-Butylbenzene	16.77	119	5832908	8.251	ppbv	100
66) Benzyl Chloride	17.02	91	2126671	9.929	ppbv	99
67) sec-Butylbenzene	17.32	105	7793903	7.983	ppbv	100
69) p-Isopropyltoluene	17.68	119	6561975	8.262	ppbv	99
70) n-Butylbenzene	18.58	91	6514867	7.965	ppbv	99
71) 2-Chlorotoluene	15.48	91	4849638	8.550	ppbv	100
72) 4-Ethyltoluene	15.87	105	5136594	8.649	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4794724	8.544	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4980625	7.873	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3277223	7.588	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3291690	7.973	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3211189	7.872	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1748632	7.769	ppbv	100
79) Naphthalene	22.24	128	4787235	7.934	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1226249	8.616	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2504121	8.008	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

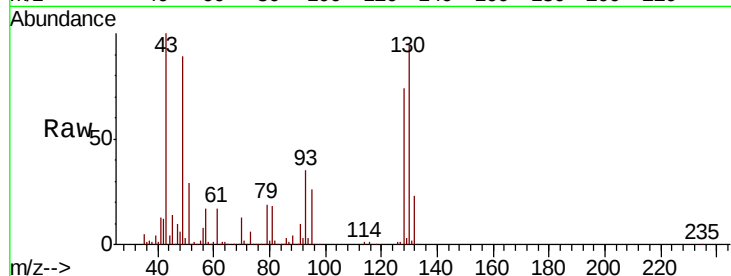
Tot Ion: 49 Resp: 1179896

Ion Ratio Lower Upper

49 100

128 84.7 43.1 129.4

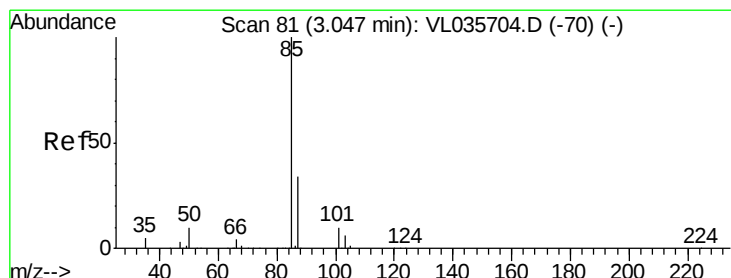
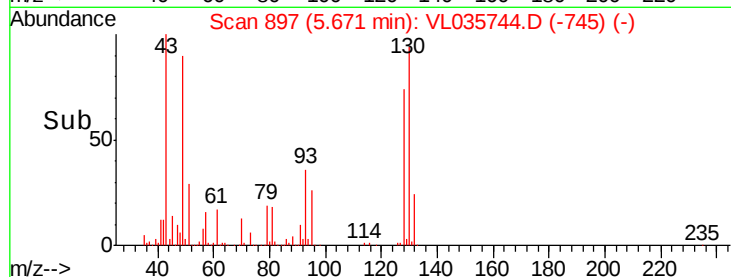
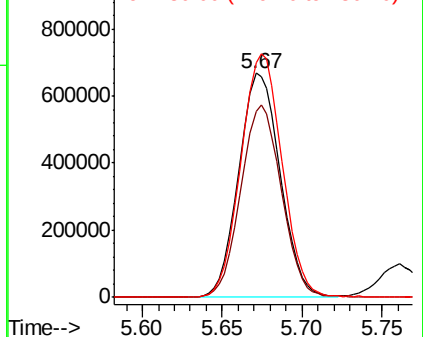
130 108.5 54.9 164.7



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: 8.660 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035744.D

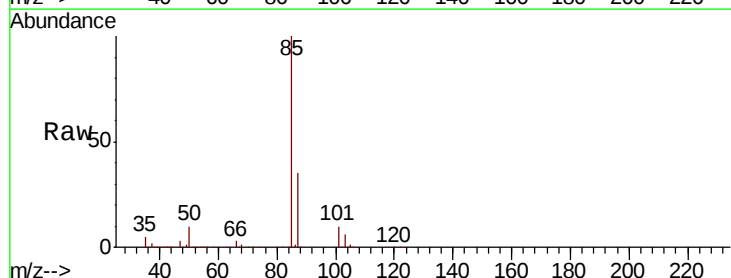
Acq: 8 Oct 2020 13:37

Tgt Ion: 85 Resp: 1676507

Ion Ratio Lower Upper

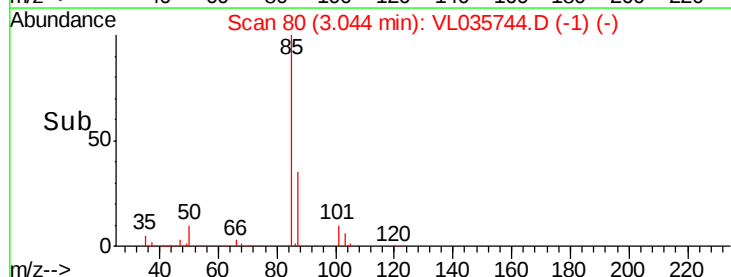
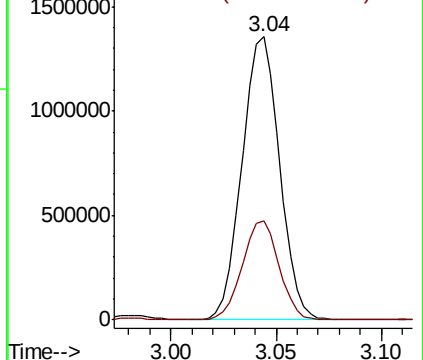
85 100

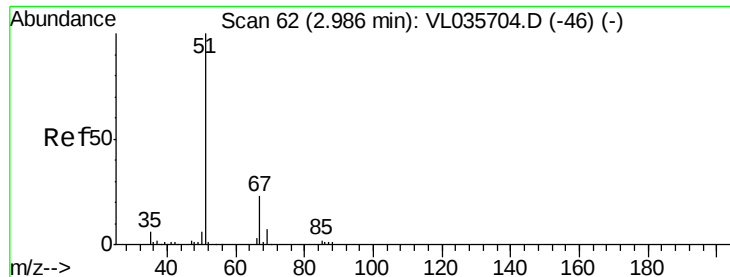
87 34.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

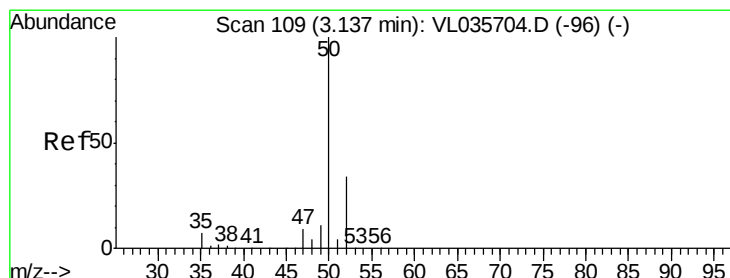
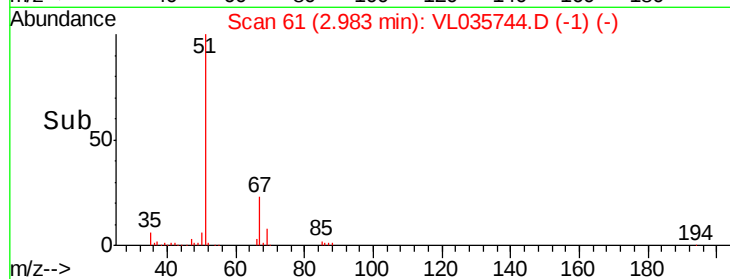
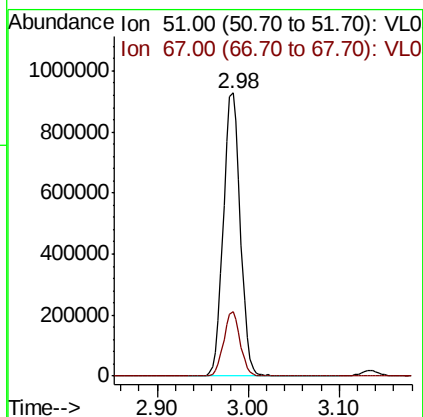
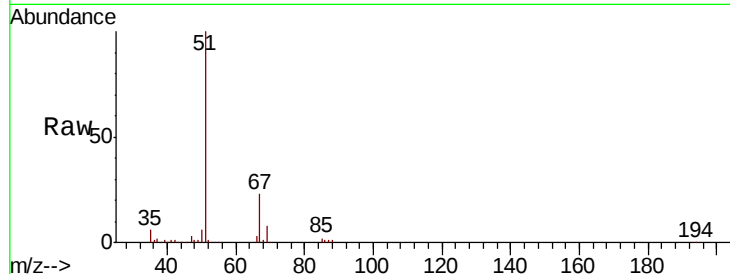




#3
 Chlorodifluoromethane
 Concen: 9.501 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

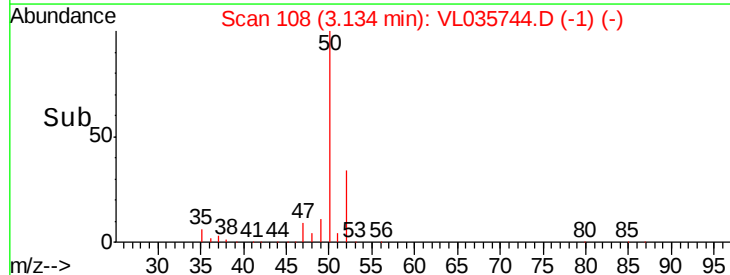
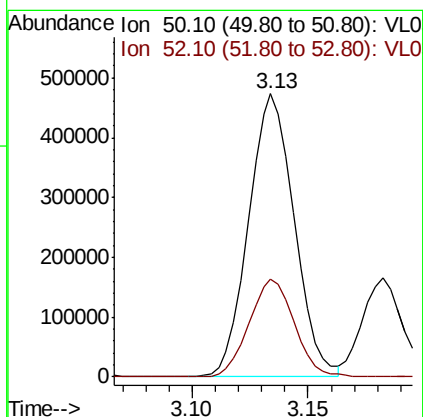
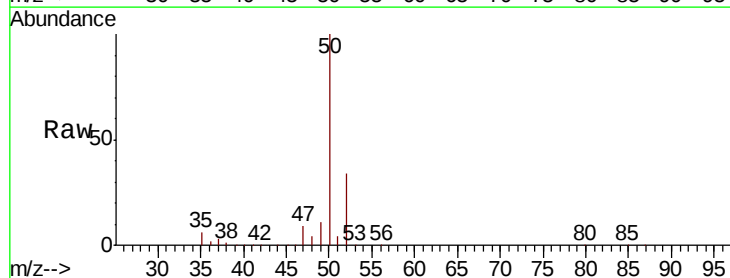
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 51 Resp: 1205980
 Ion Ratio Lower Upper
 51 100
 67 22.1 17.8 26.8



#4
 Chloromethane
 Concen: 9.490 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 50 Resp: 647126
 Ion Ratio Lower Upper
 50 100
 52 34.4 26.8 40.2





#5

Vinyl Chloride

Concen: 9.571 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

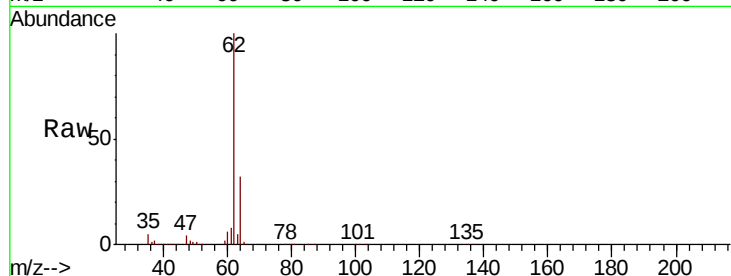
ClientSampleId :

Tot Ion: 62 Resp: 771973

Ion Ratio Lower Upper

62 100

64 32.5 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

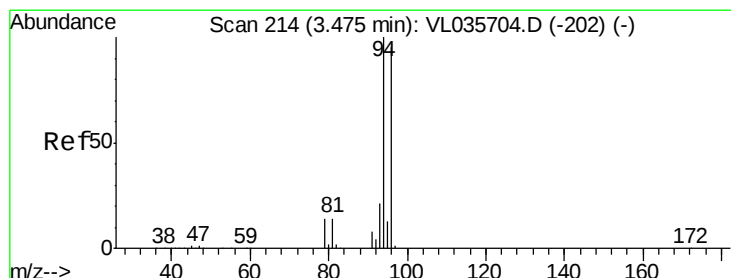
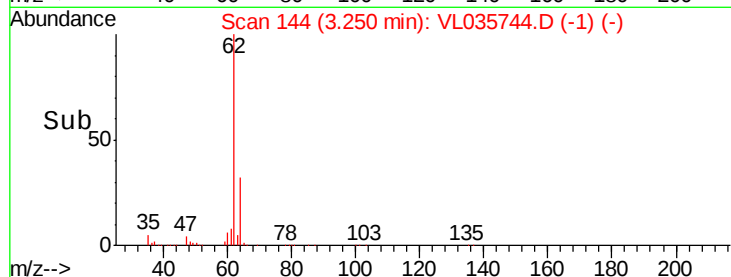
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.528 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL035744.D

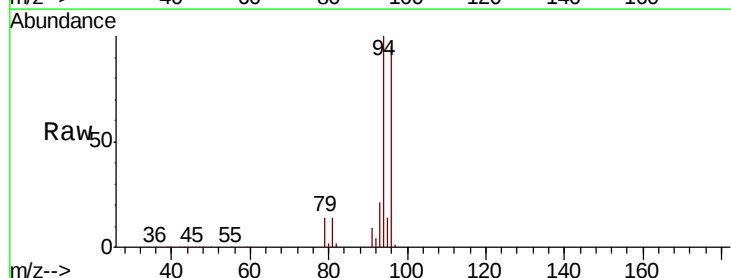
Acq: 8 Oct 2020 13:37

Tgt Ion: 94 Resp: 649626

Ion Ratio Lower Upper

94 100

96 94.6 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

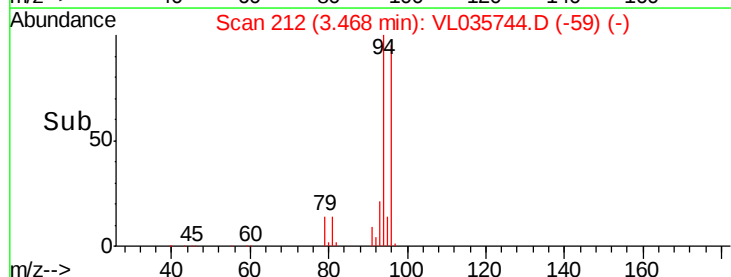
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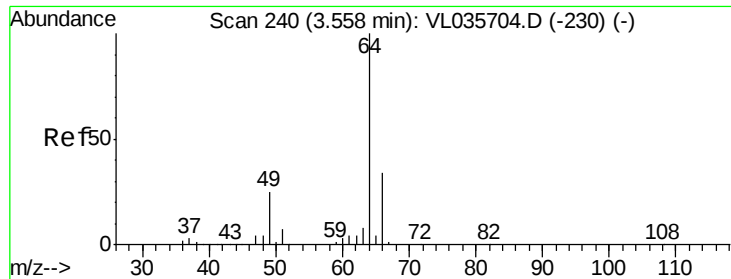
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.698 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

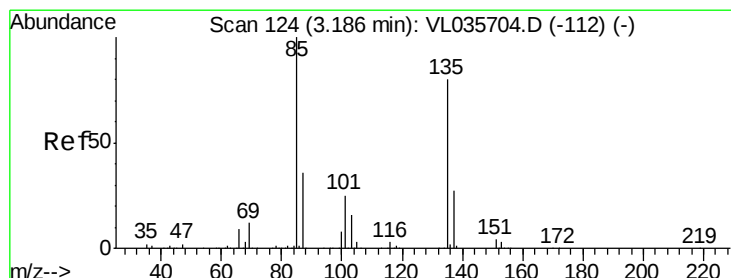
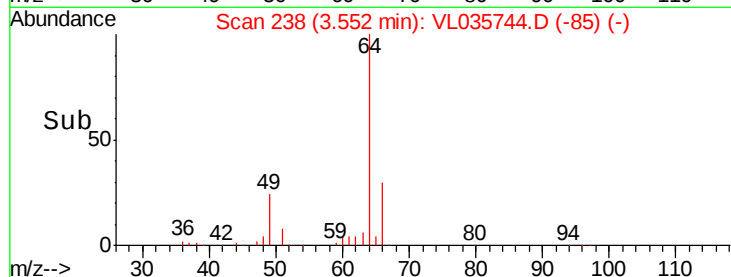
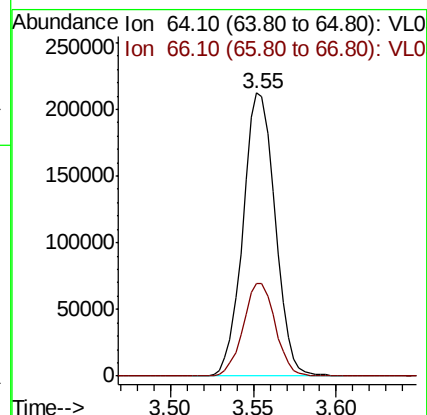
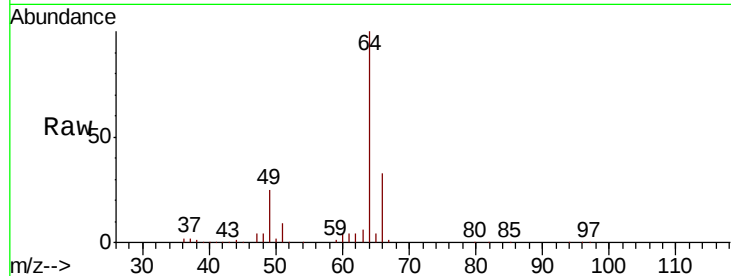
ClientSampleId :

Tot Ion: 64 Resp: 286859

Ion Ratio Lower Upper

64 100

66 32.8 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.162 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035744.D

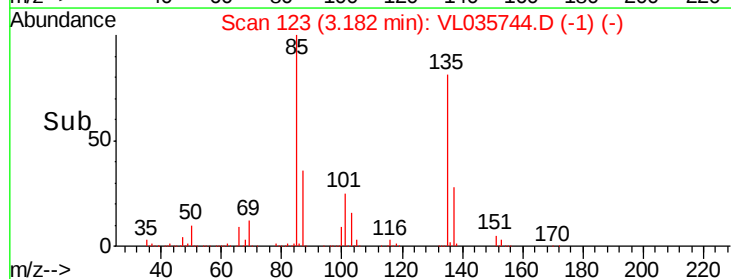
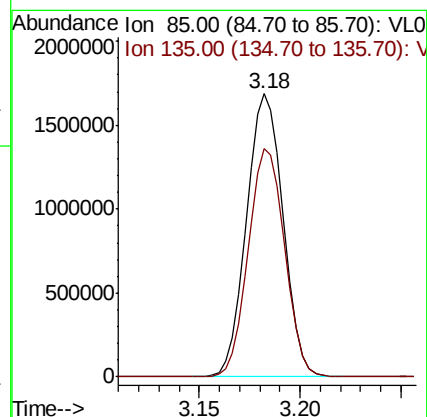
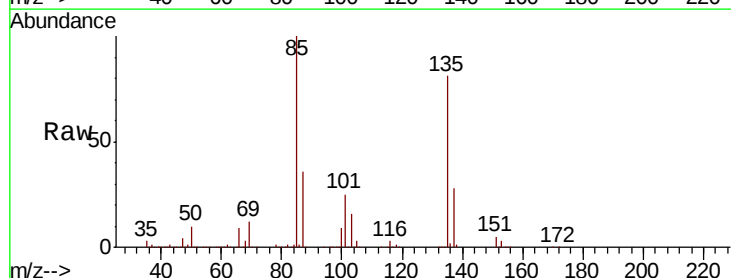
Acq: 8 Oct 2020 13:37

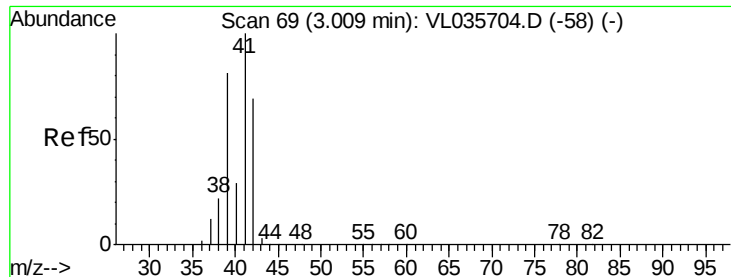
Tgt Ion: 85 Resp: 2151484

Ion Ratio Lower Upper

85 100

135 80.7 64.3 96.5





#9

Propene

Concen: 10.153 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

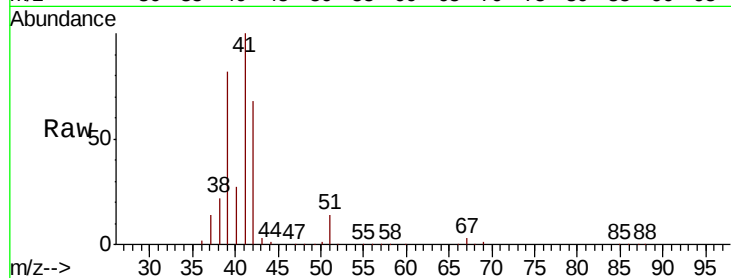
ClientSampleId :

Tot Ion: 41 Resp: 467948

Ion Ratio Lower Upper

41 100

42 69.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

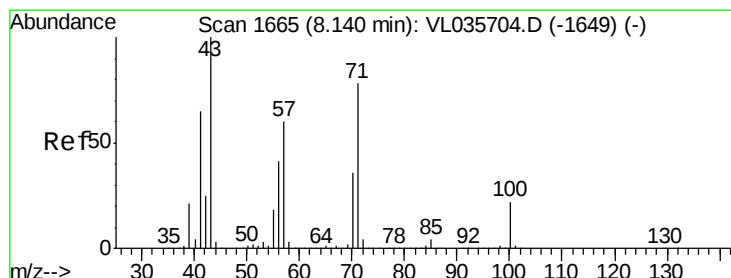
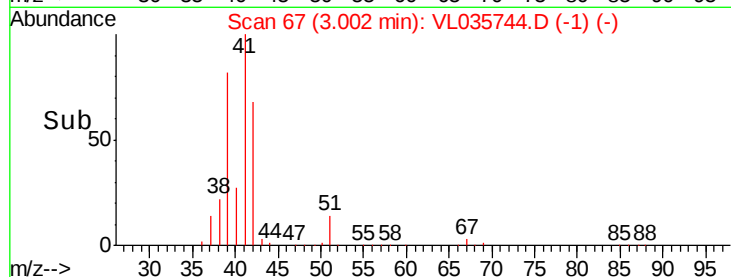
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200000

100000

0

Time-->



#10

Heptane

Concen: 10.652 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035744.D

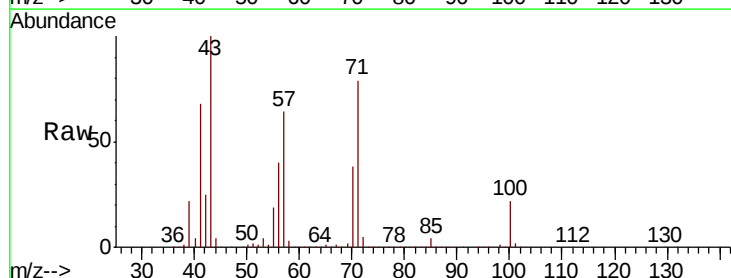
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 1368629

Ion Ratio Lower Upper

43 100

57 63.4 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

800000

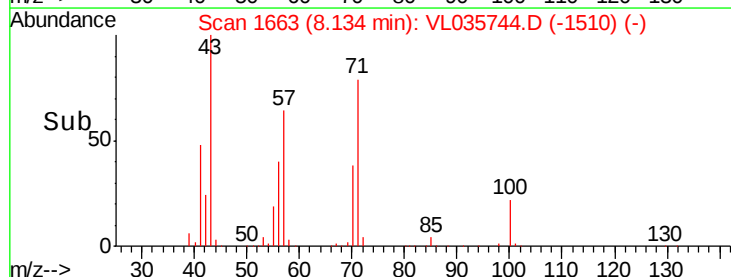
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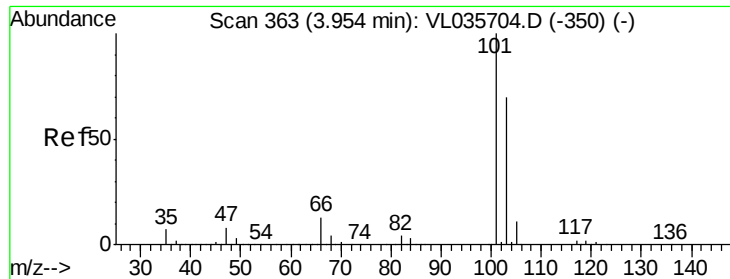
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200000

0

Time-->

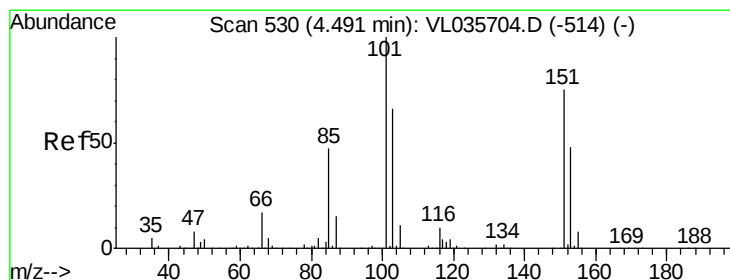
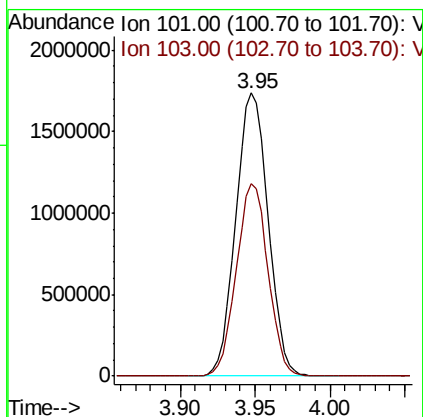
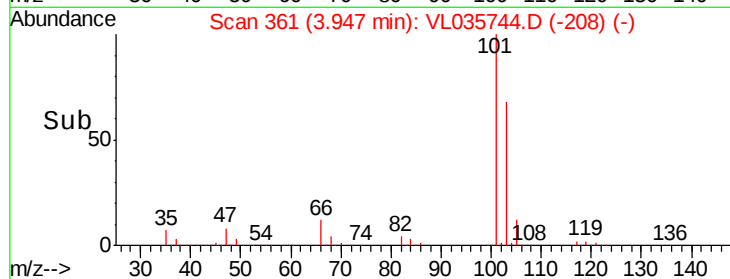
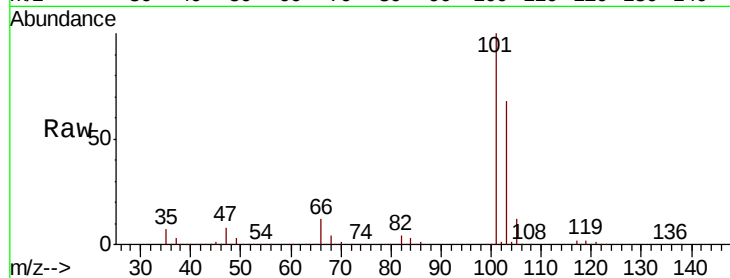




#11
 Trichlorofluoromethane
 Concen: 9.482 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

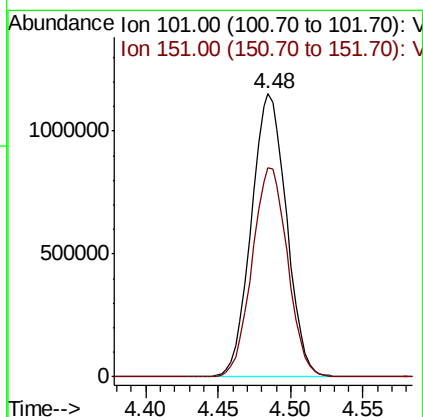
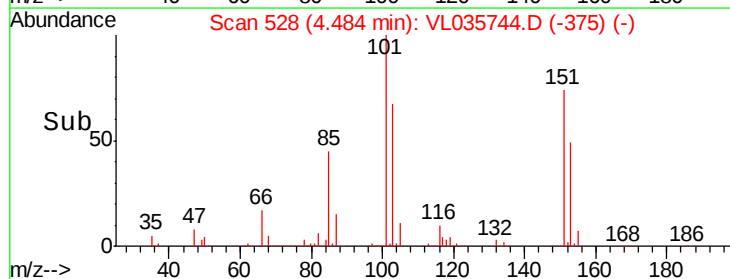
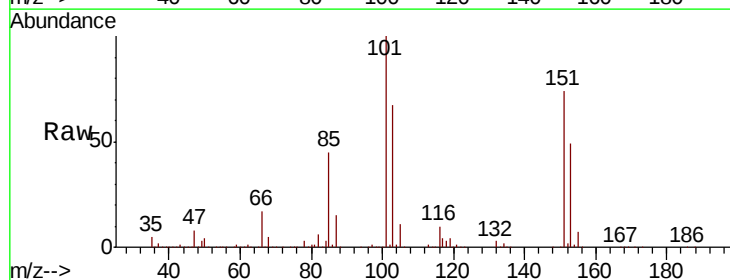
Instrument :
 MSVOA_L
 ClientSampleId :

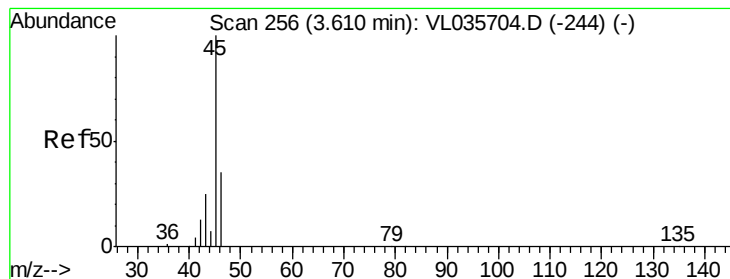
Tot Ion:101 Resp: 2619332
 Ion Ratio Lower Upper
 101 100
 103 68.1 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.457 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:101 Resp: 1947460
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.1 88.7





#13

Ethanol

Concen: 8.499 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

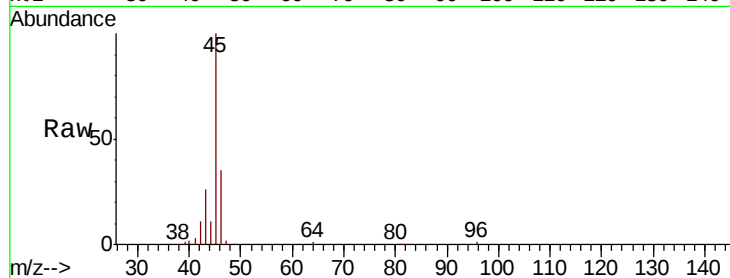
ClientSampleId :

Tot Ion: 45 Resp: 96593

Ion Ratio Lower Upper

45 100

46 36.5 14.7 58.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

60000

50000

40000

30000

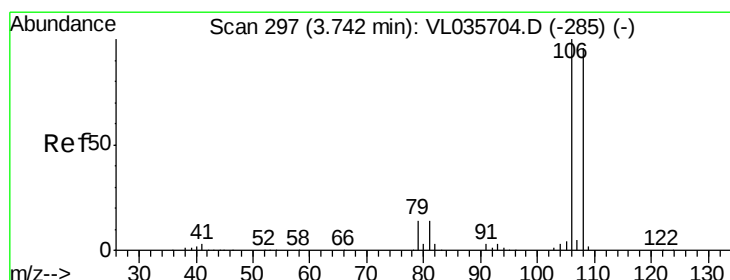
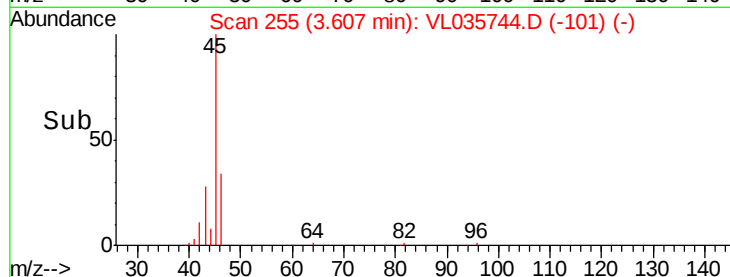
20000

10000

0

3.55 3.60 3.65

Time-->



#14

Bromoethene

Concen: 9.877 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

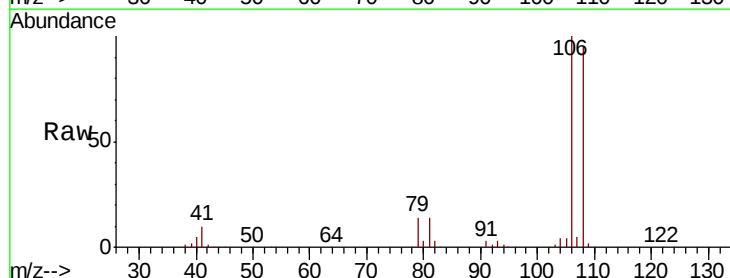
Tgt Ion: 108 Resp: 856716

Ion Ratio Lower Upper

108 100

106 105.5 84.6 126.8

79 15.0 11.6 17.4



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

800000

600000

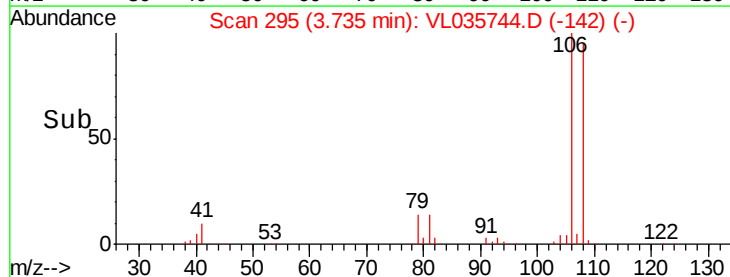
400000

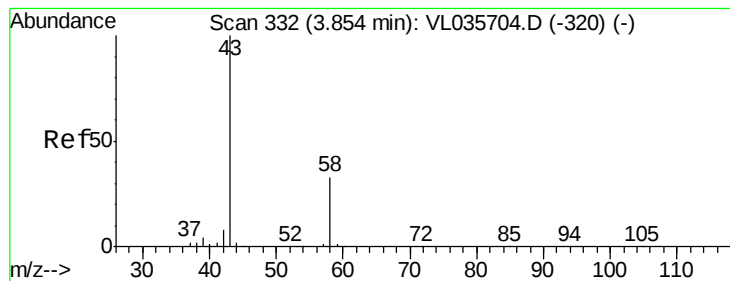
200000

0

3.70 3.75 3.80

Time-->





#15

Acetone

Concen: 8.332 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

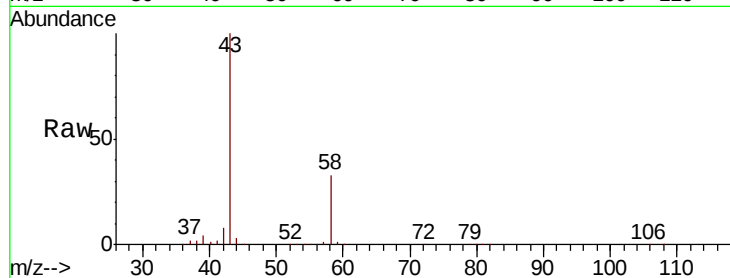
ClientSampled :

Tot Ion: 43 Resp: 1057890

Ion Ratio Lower Upper

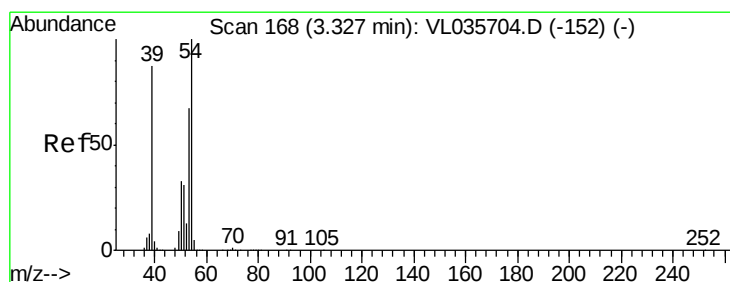
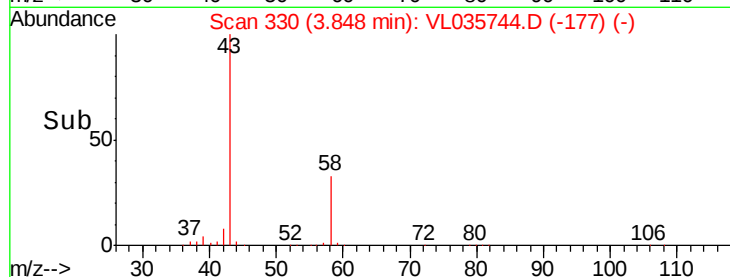
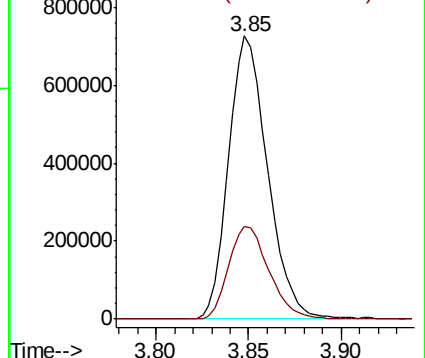
43 100

58 34.0 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: 10.512 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035744.D

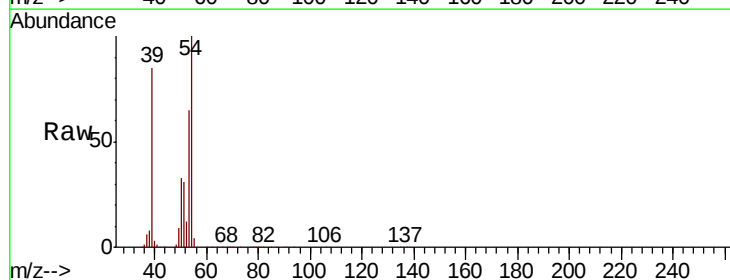
Acq: 8 Oct 2020 13:37

Tgt Ion: 39 Resp: 488244

Ion Ratio Lower Upper

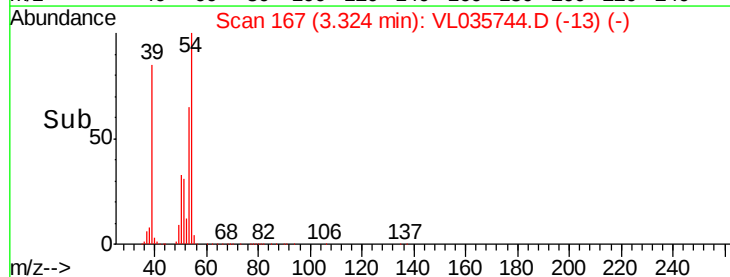
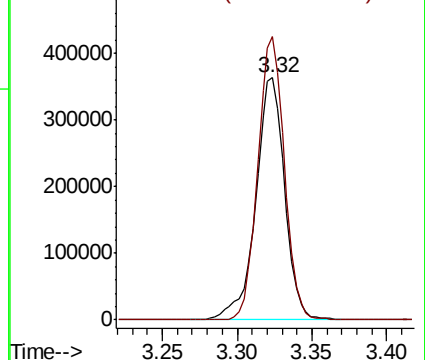
39 100

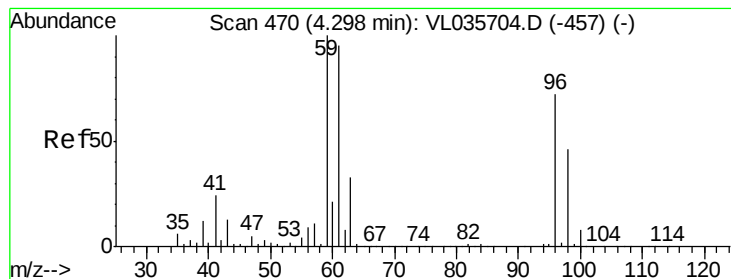
54 107.7 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.209 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

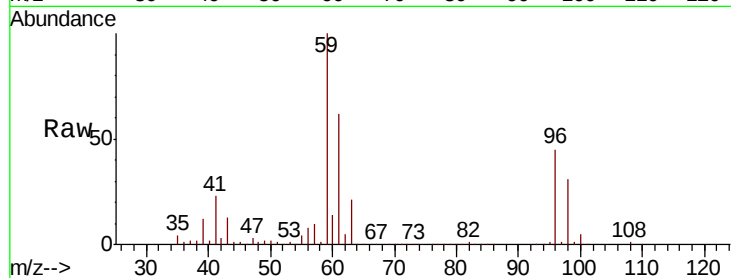
ClientSampleId :

Tot Ion: 59 Resp: 1411849

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

800000

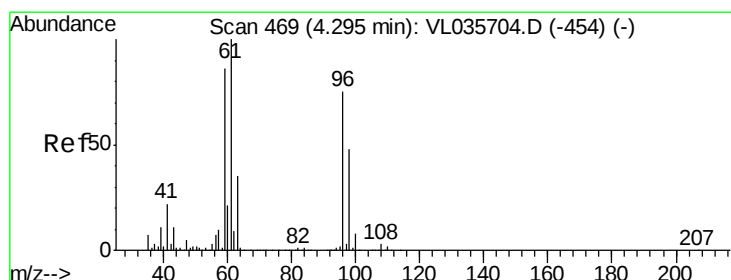
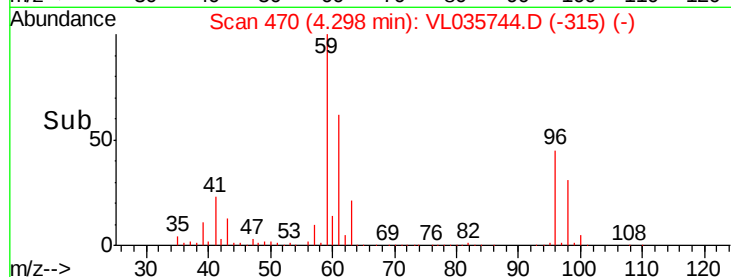
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.911 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

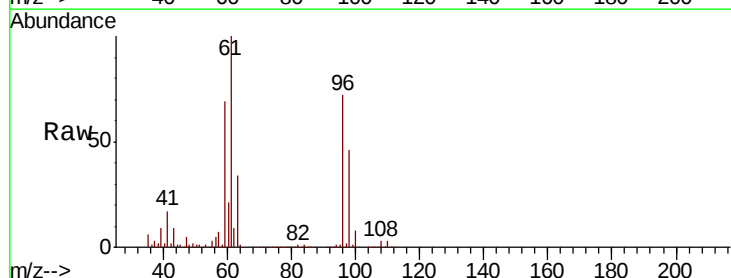
Tgt Ion: 96 Resp: 893568

Ion Ratio Lower Upper

96 100

61 138.9 106.7 160.1

98 64.5 50.8 76.2



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

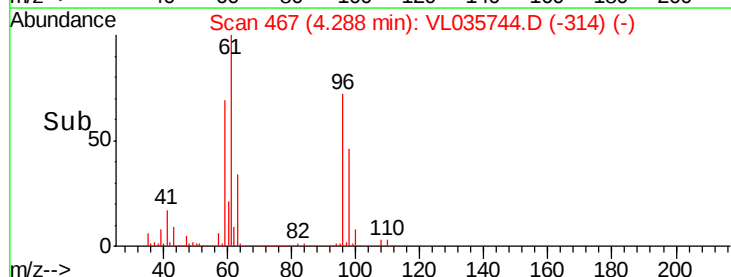
600000

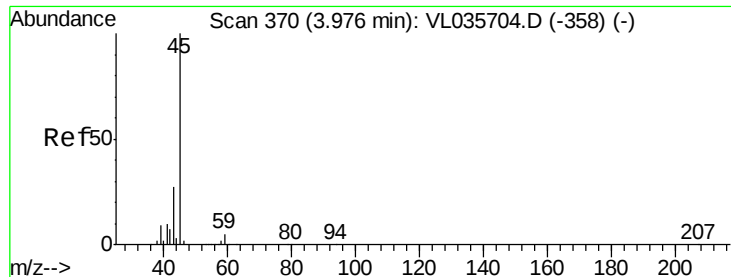
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.878 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

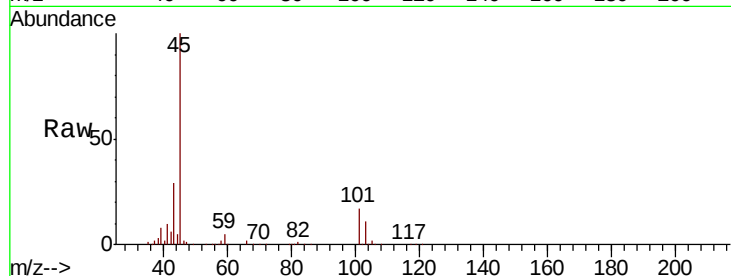
ClientSampleId :

Tot Ion: 45 Resp: 682214

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

3.97

400000

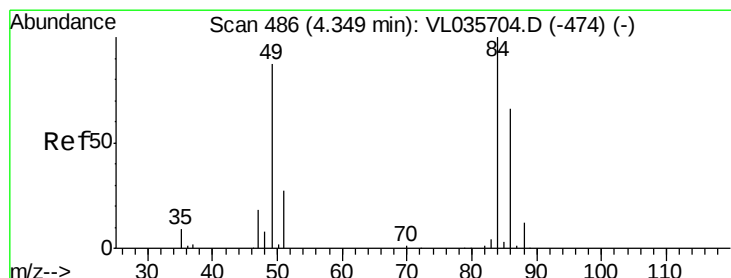
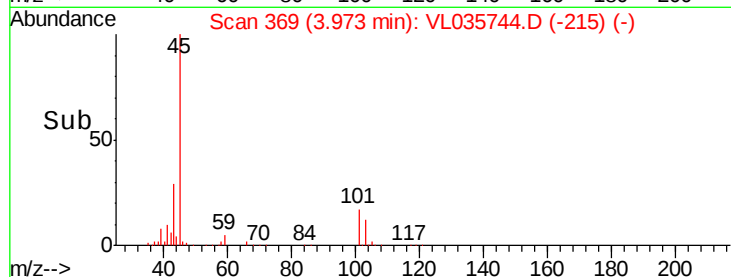
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.871 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion: 84 Resp: 734054

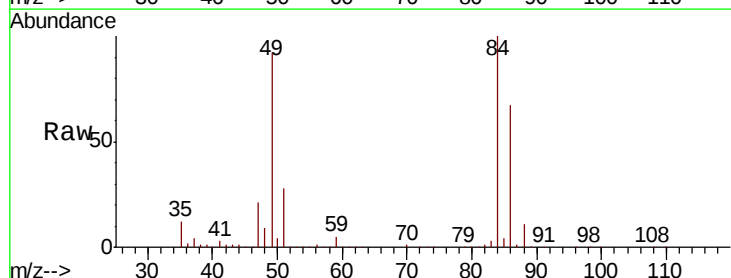
Ion Ratio Lower Upper

84 100

49 91.3 69.8 104.6

51 28.2 21.8 32.8

86 66.9 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

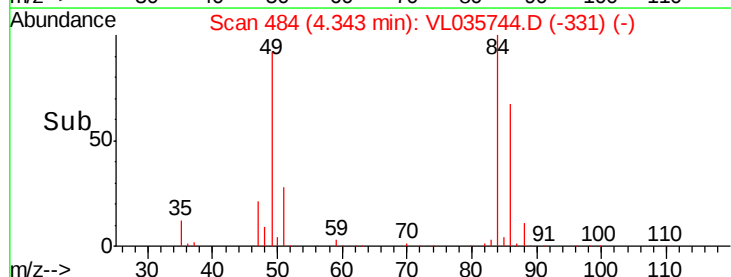
600000

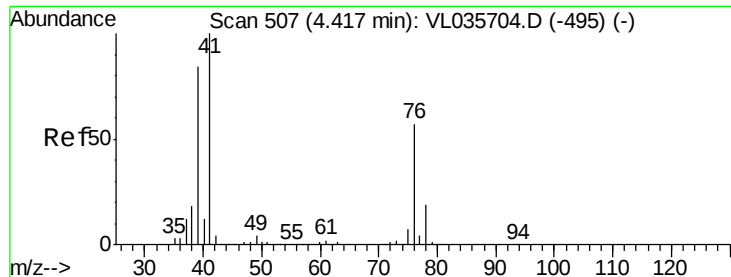
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.456 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampled :

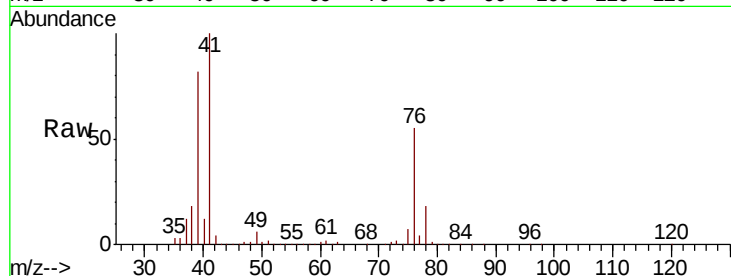
Tot Ion: 41 Resp: 643451

Ion Ratio Lower Upper

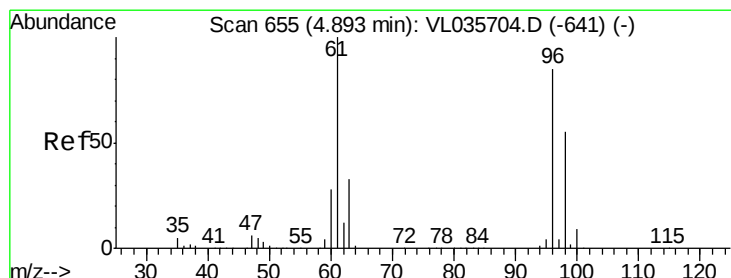
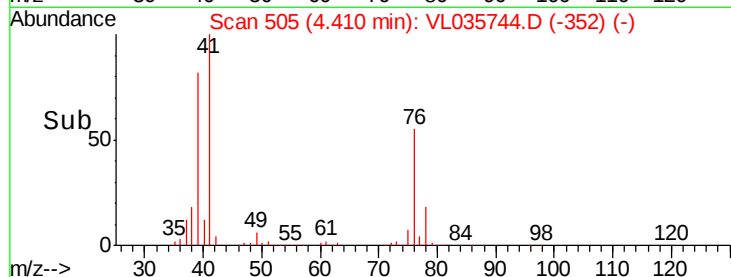
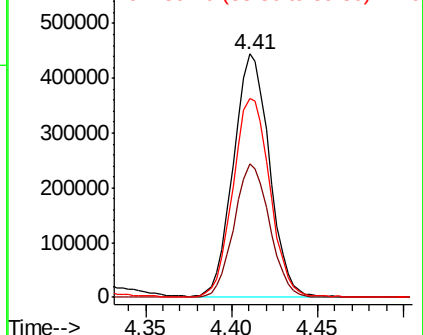
41 100

76 54.3 44.8 67.2

39 84.7 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: 9.834 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

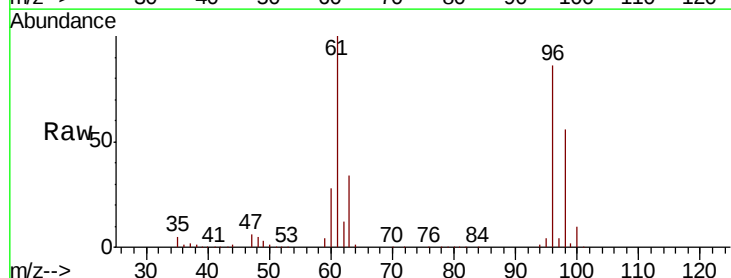
Tgt Ion: 96 Resp: 936683

Ion Ratio Lower Upper

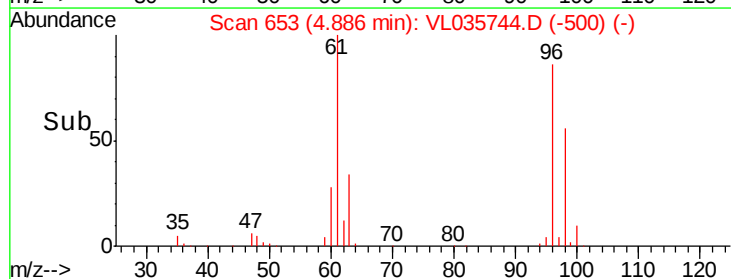
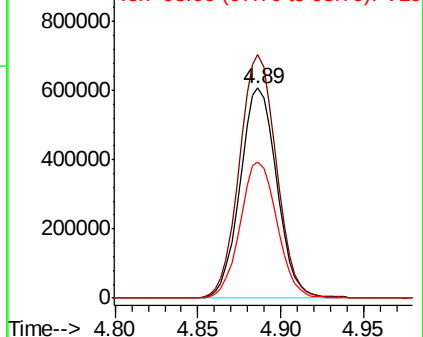
96 100

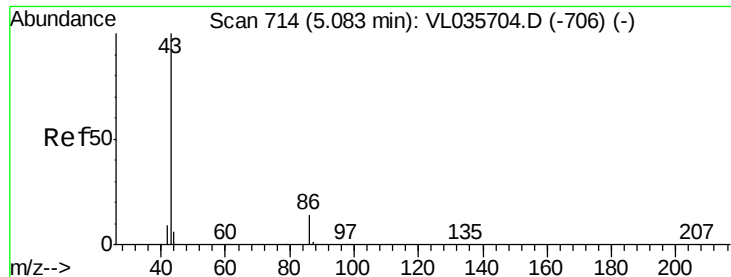
61 115.9 93.7 140.5

98 64.5 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: 10.727 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

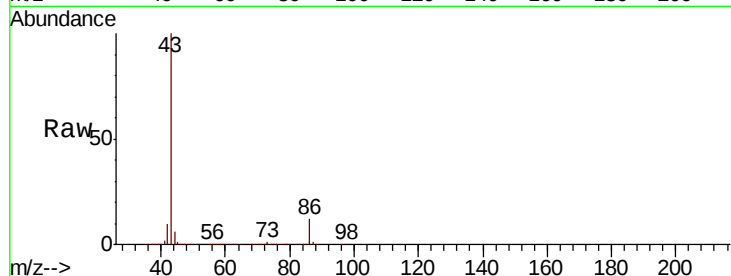
Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

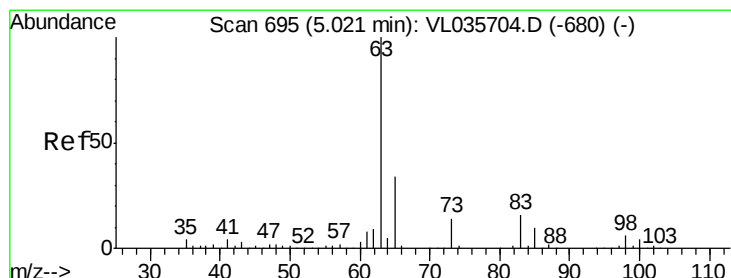
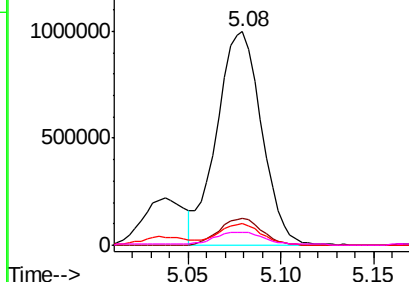
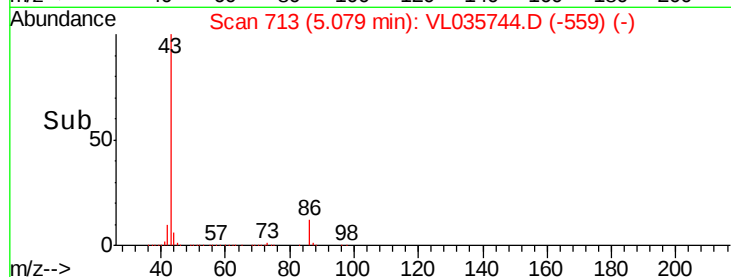
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1668038

Ion	Ratio	Lower	Upper
43	100		
86	12.5	9.7	14.5
42	10.1	7.9	11.9
44	5.9	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: 9.595 ppbv

RT: 5.01 min Scan# 693

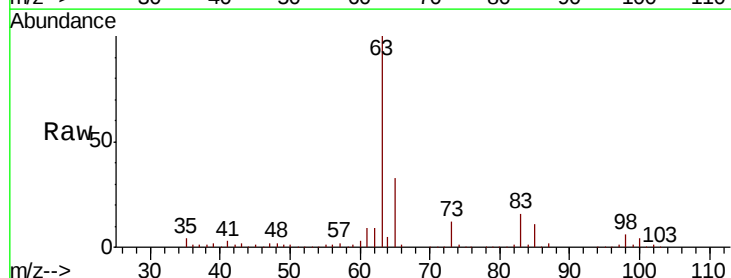
Delta R.T. -0.01 min

Lab File: VL035744.D

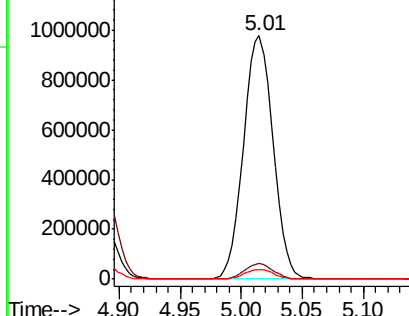
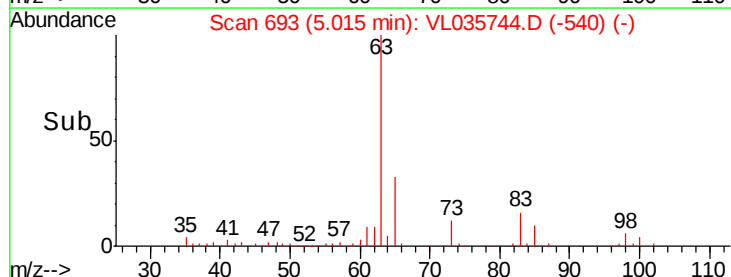
Acq: 8 Oct 2020 13:37

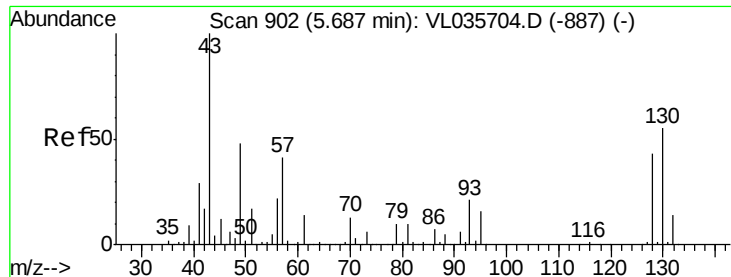
Tgt Ion: 63 Resp: 1625136

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	3.9	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: 9.735 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

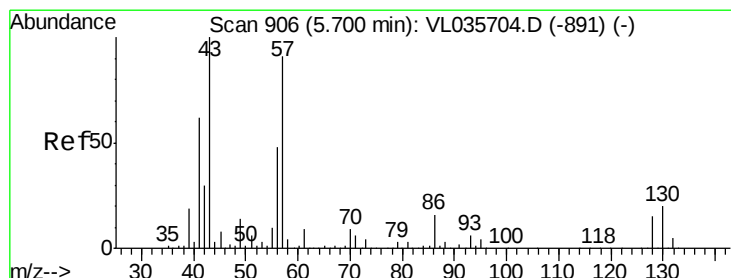
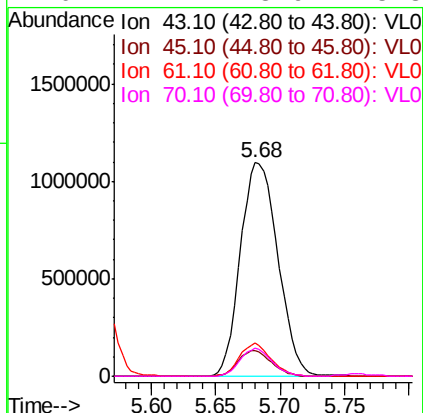
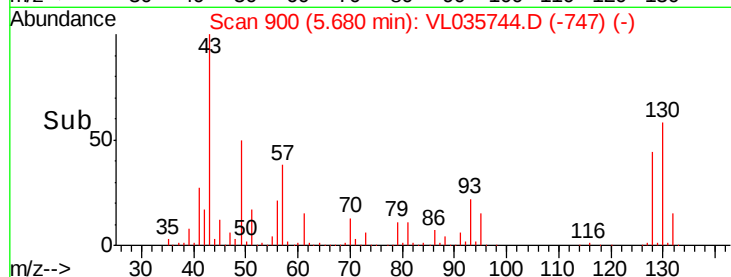
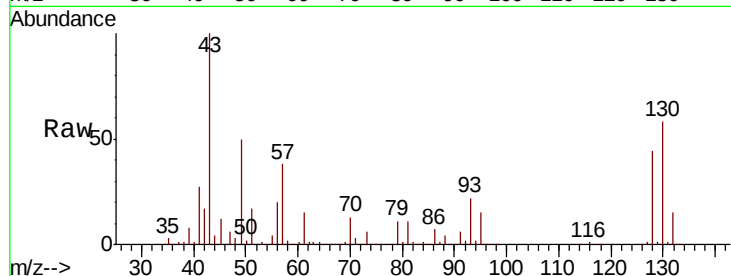
Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2223980

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.0	10.4	15.6
70	11.1	8.9	13.3



#26

Hexane

Concen: 9.768 ppbv

RT: 5.69 min Scan# 904

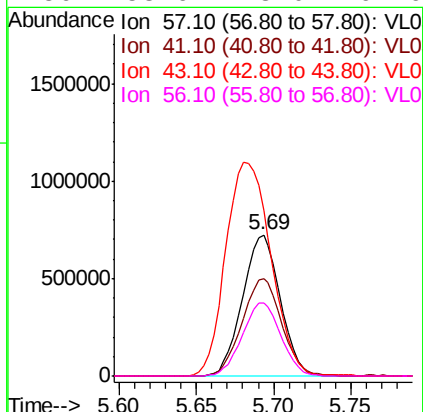
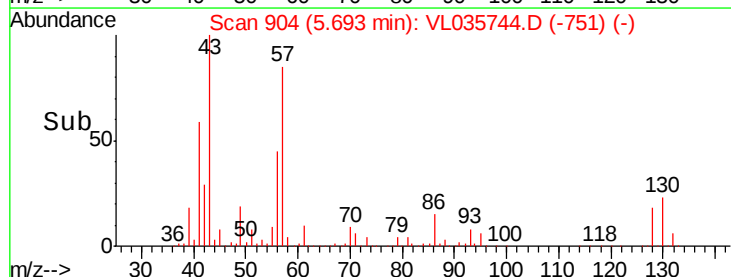
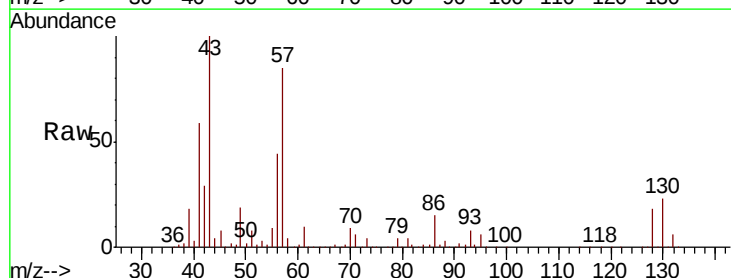
Delta R.T. -0.01 min

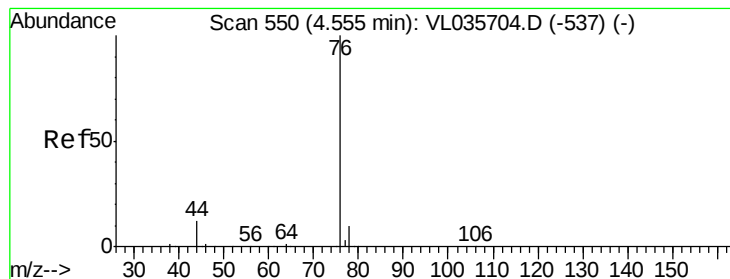
Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion: 57 Resp: 1222806

Ion	Ratio	Lower	Upper
57	100		
41	73.2	57.9	86.9
43	182.6	143.8	215.6
56	53.6	43.0	64.6





#27

Carbon Disulfide

Concen: 10.661 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

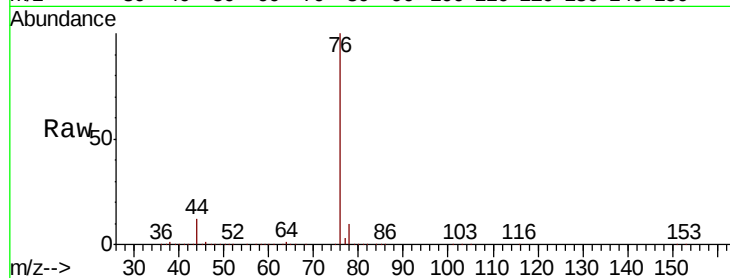
Tot Ion: 76 Resp: 1989343

Ion Ratio Lower Upper

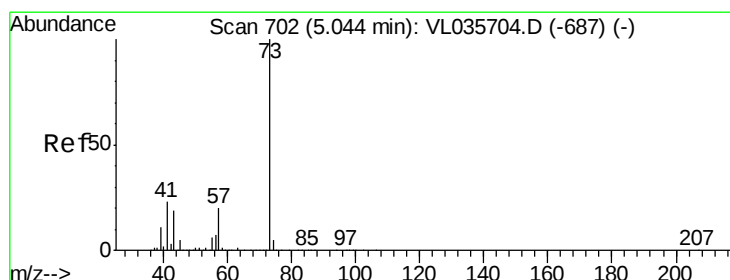
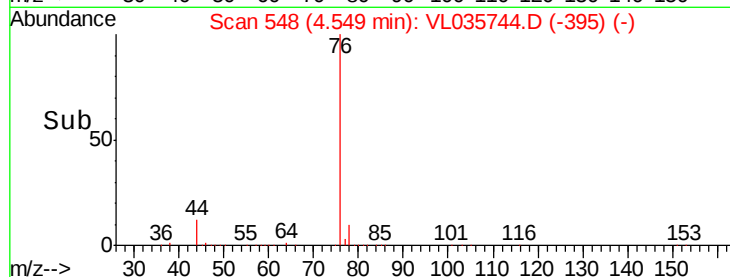
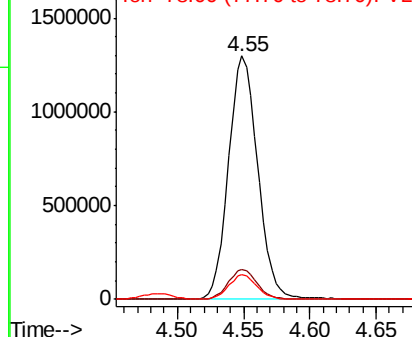
76 100

44 11.9 9.7 14.5

78 9.7 7.8 11.8



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: 10.670 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL035744.D

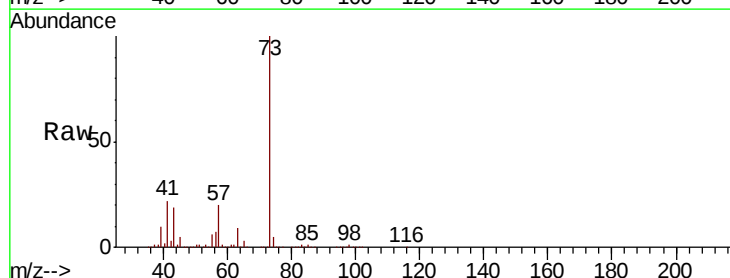
Acq: 8 Oct 2020 13:37

Tgt Ion: 73 Resp: 2117323

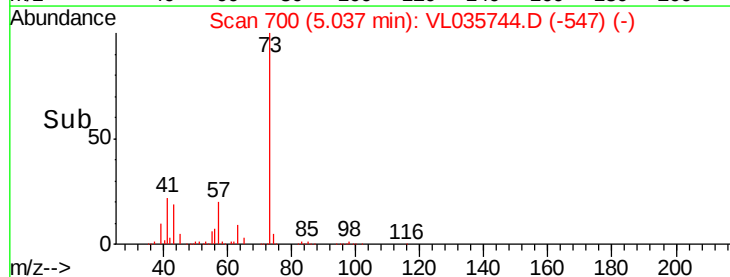
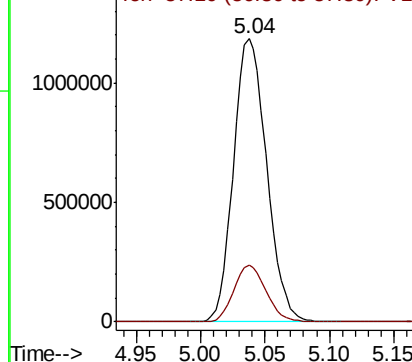
Ion Ratio Lower Upper

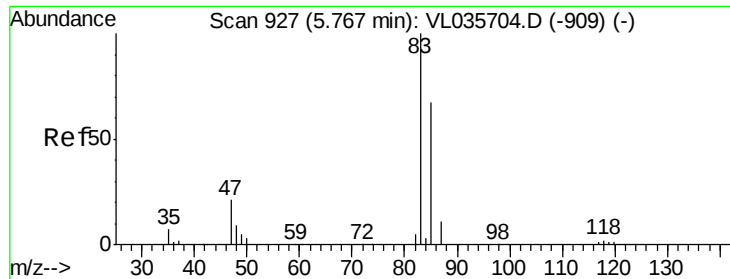
73 100

57 19.7 15.6 23.4



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





#29

Chloroform

Concen: 9.696 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

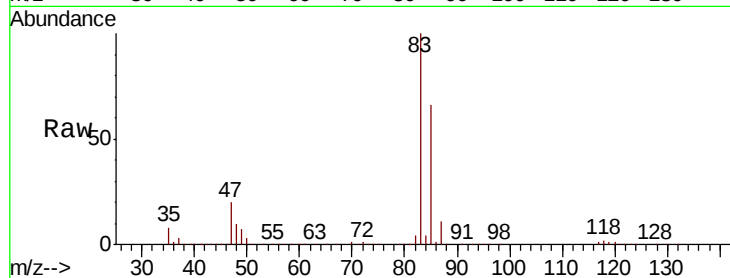
ClientSampleId :

Tot Ion: 83 Resp: 2465066

Ion Ratio Lower Upper

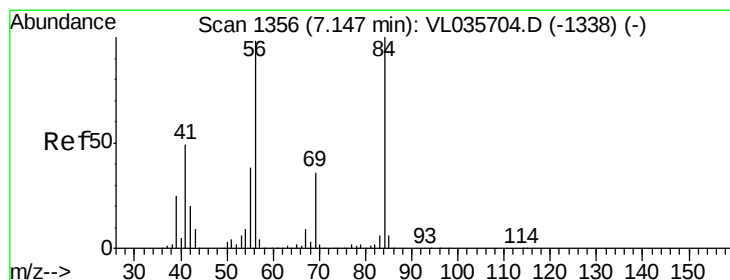
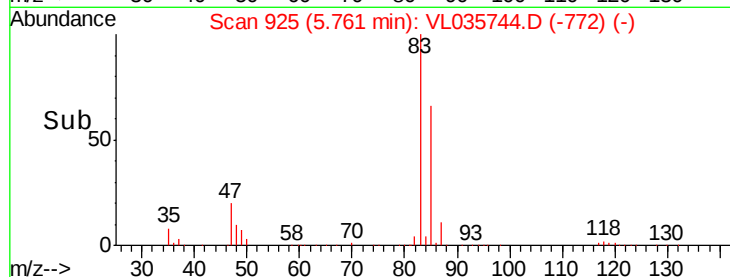
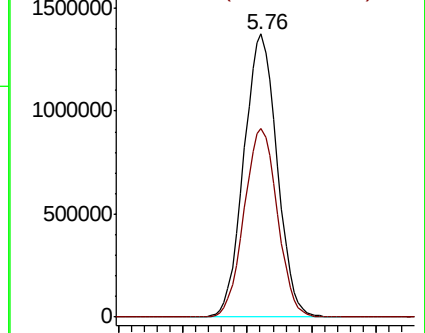
83 100

85 66.4 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: 10.979 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

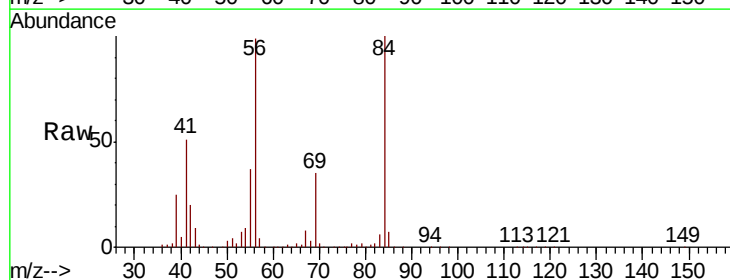
Tgt Ion: 84 Resp: 1356073

Ion Ratio Lower Upper

84 100

56 105.5 84.6 127.0

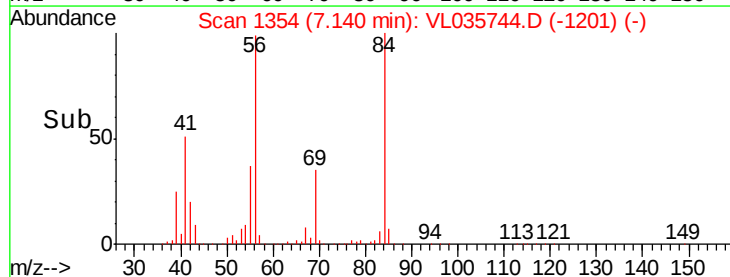
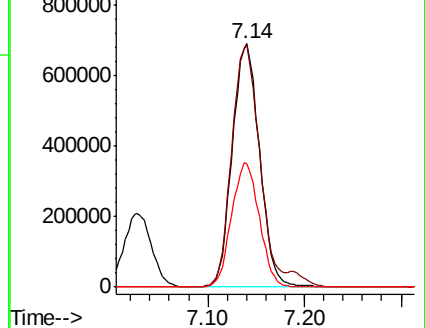
41 51.8 41.1 61.7

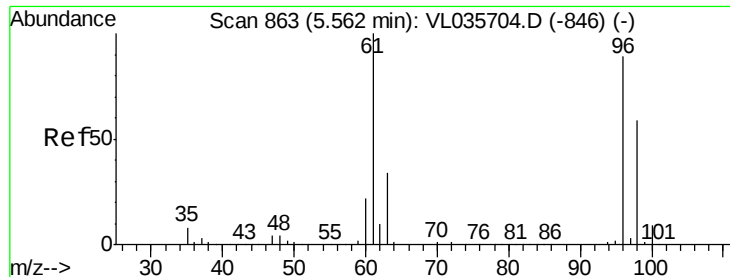


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



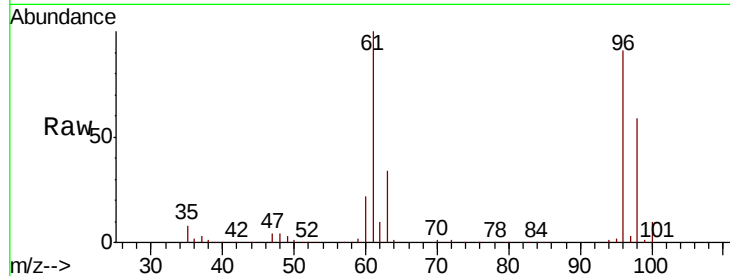


#31

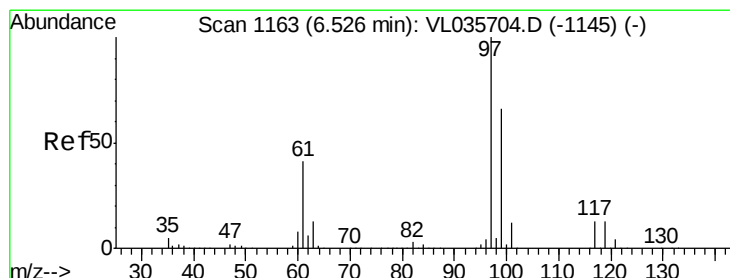
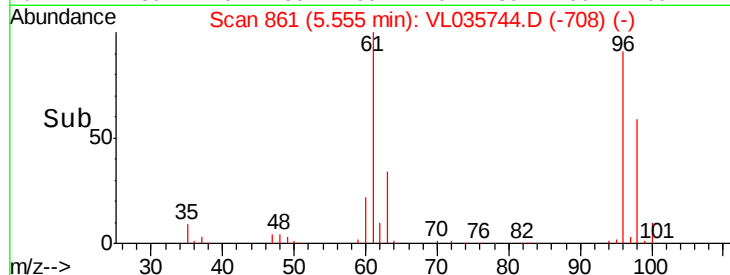
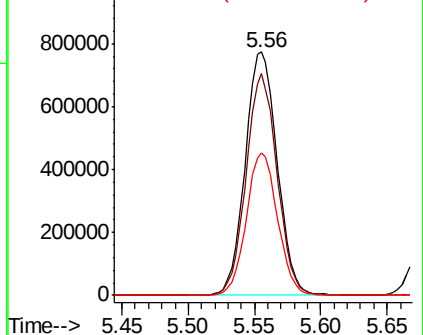
cis-1,2-Dichloroethene
Concen: 10.739 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 61 Resp: 1297800
Ion Ratio Lower Upper
61 100
96 91.1 71.4 107.2
98 58.7 47.4 71.2



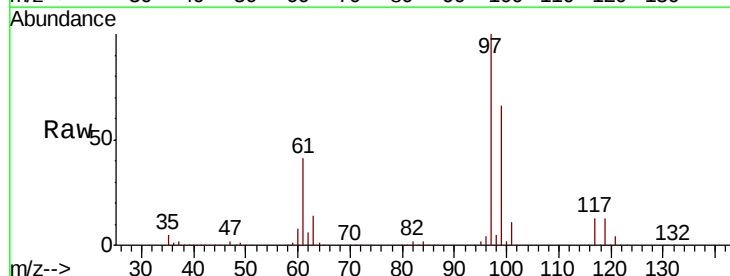
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



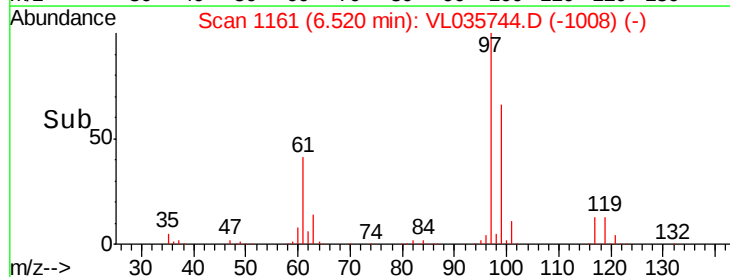
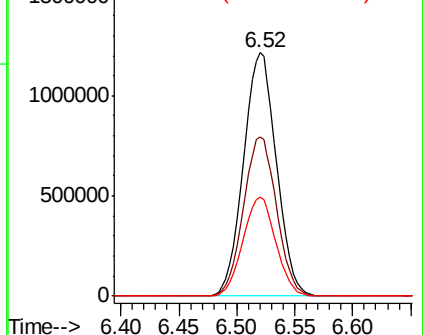
#32

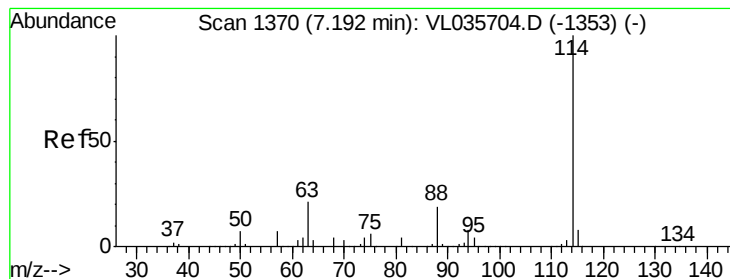
1,1,1-Trichloroethane
Concen: 10.721 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 97 Resp: 2402544
Ion Ratio Lower Upper
97 100
99 65.8 52.7 79.1
61 40.8 32.7 49.1



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: 7.19 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

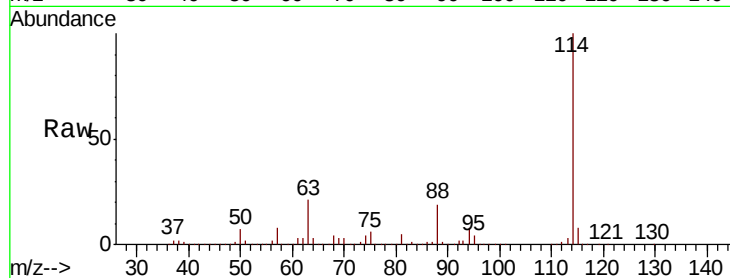
Tot Ion:114 Resp: 4545594

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

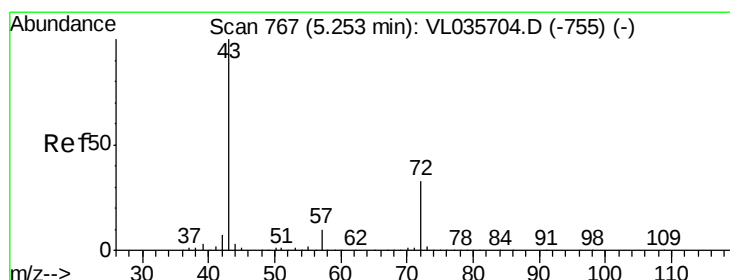
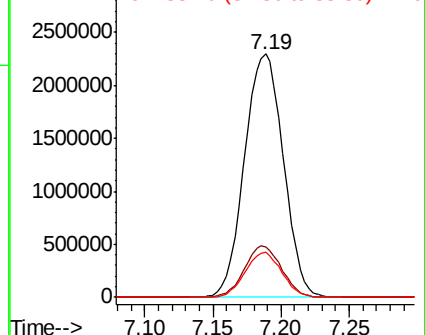
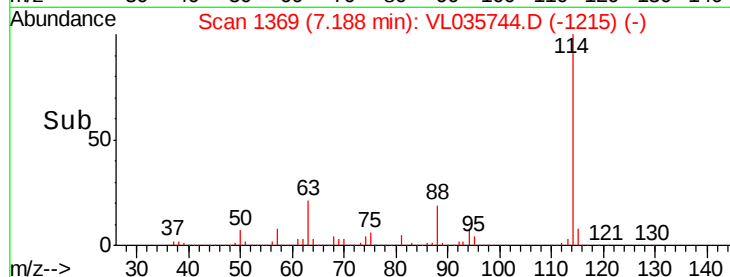
88 17.4 14.1 21.1



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.185 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL035744.D

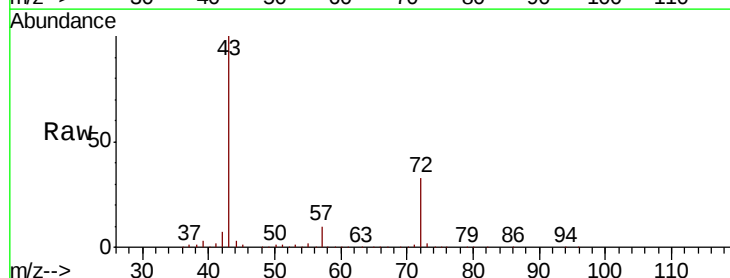
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 1531327

Ion Ratio Lower Upper

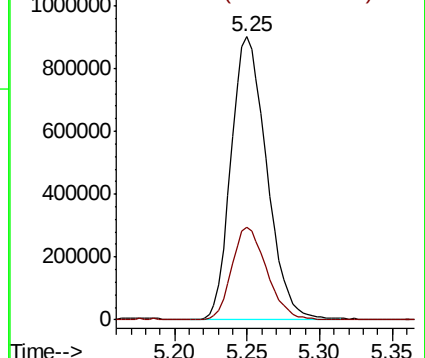
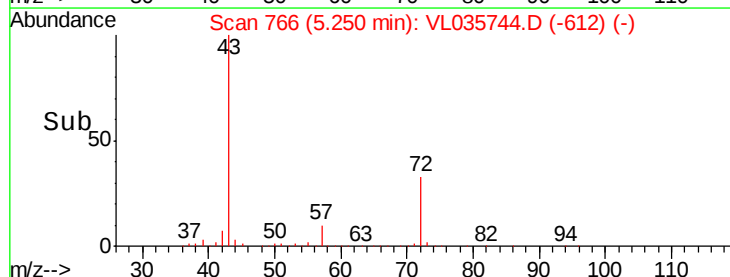
43 100

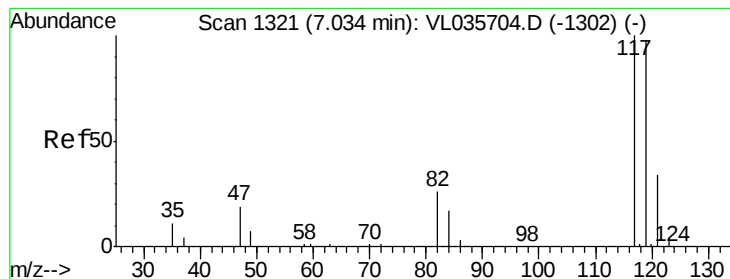
72 32.3 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.527 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

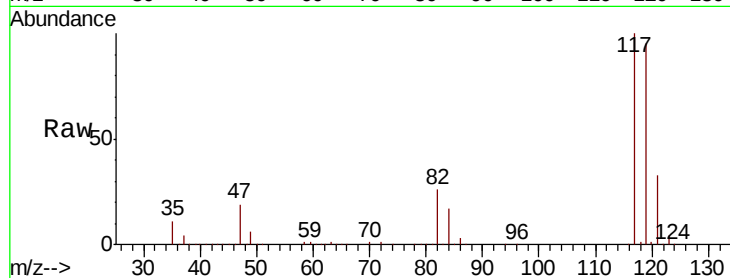
Tot Ion:117 Resp: 2495006

Ion Ratio Lower Upper

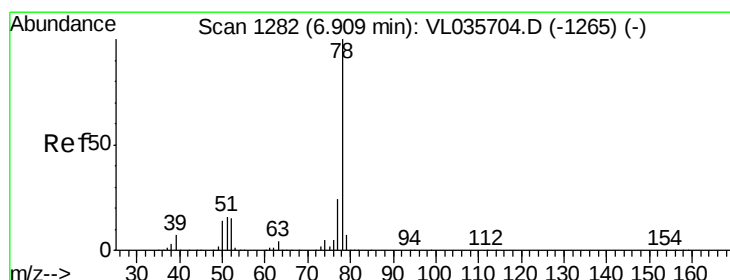
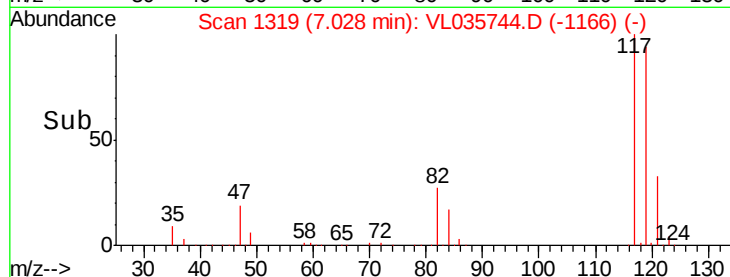
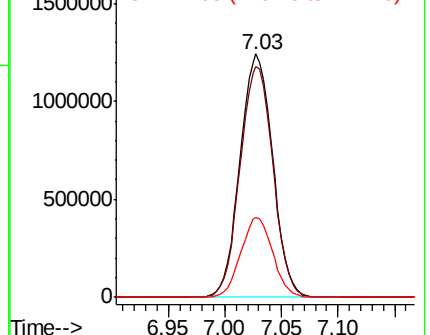
117 100

119 94.9 77.7 116.5

121 32.6 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: 10.428 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

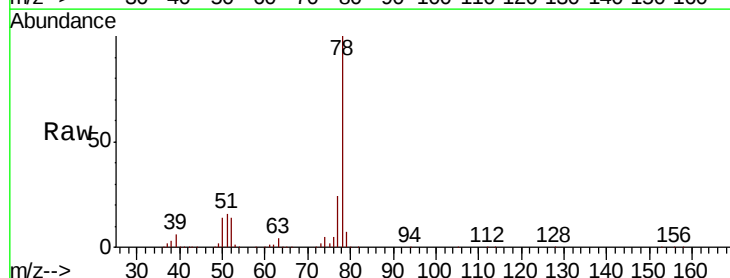
Tgt Ion: 78 Resp: 3088819

Ion Ratio Lower Upper

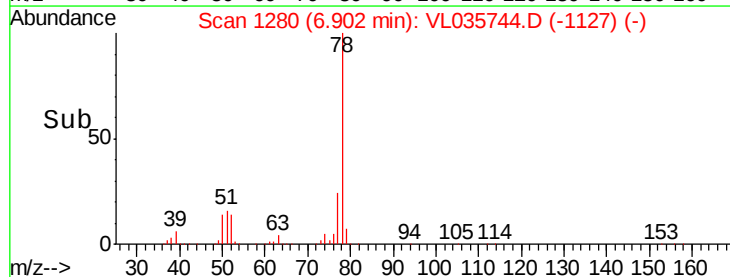
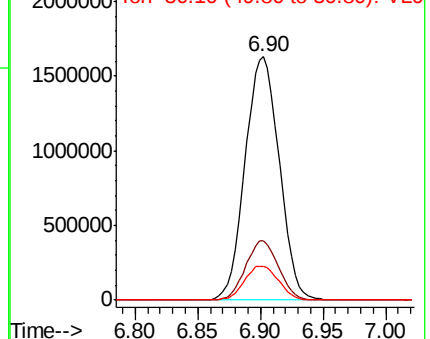
78 100

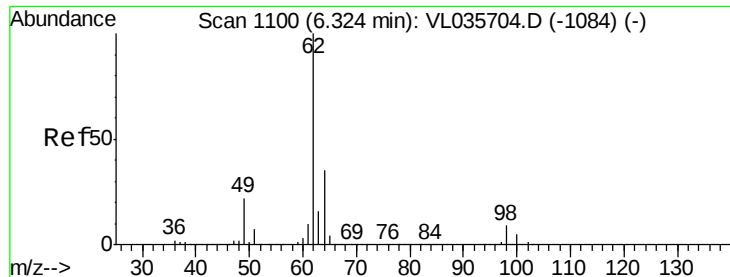
77 24.3 19.3 28.9

50 14.0 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

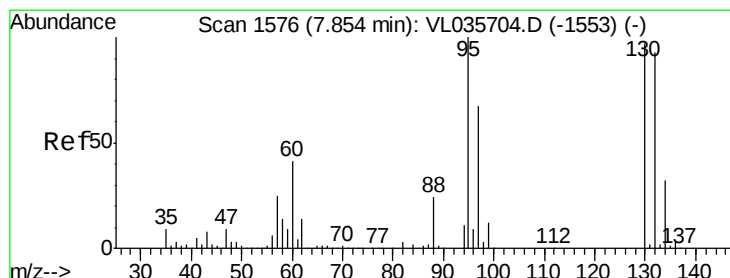
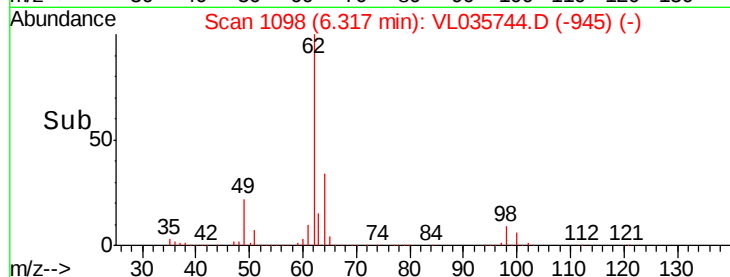
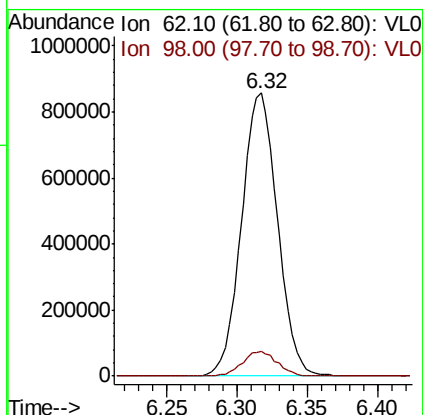
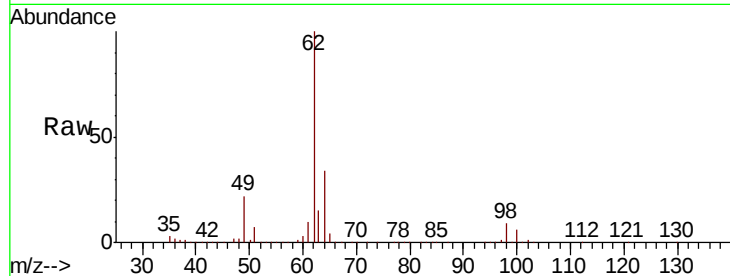




#37
 1,2-Dichloroethane
 Concen: 9.908 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

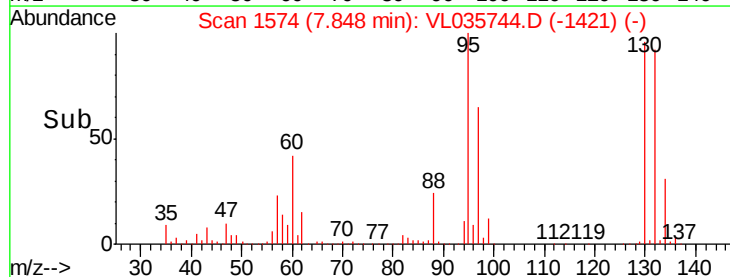
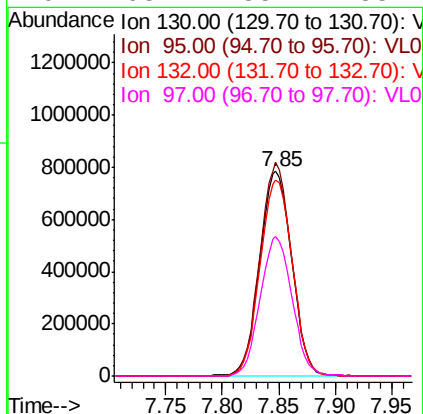
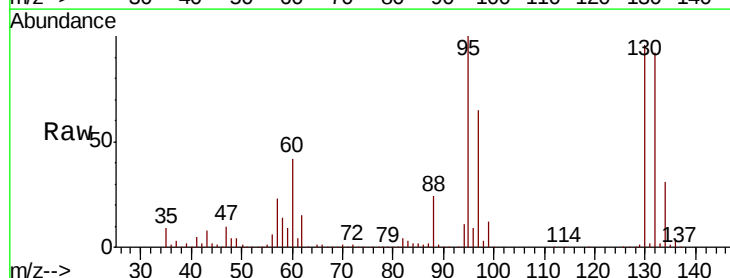
Instrument :
 MSVOA_L
 ClientSampleId :

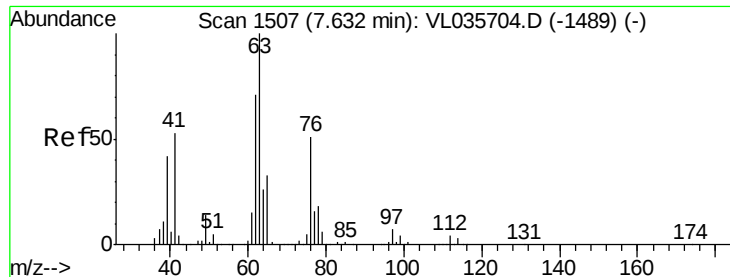
Tot Ion: 62 Resp: 1529582
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 10.445 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:130 Resp: 1543359
 Ion Ratio Lower Upper
 130 100
 95 104.5 82.4 123.6
 132 95.8 76.8 115.2
 97 68.4 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.006 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

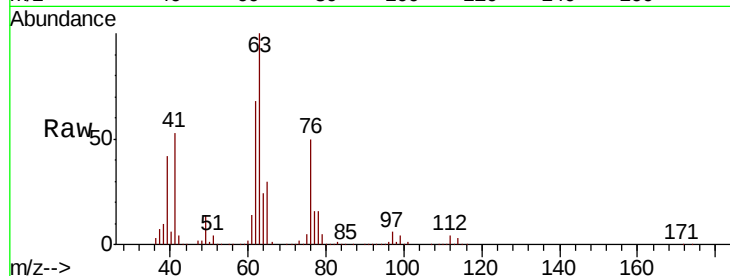
Tot Ion: 63 Resp: 1074192

Ion Ratio Lower Upper

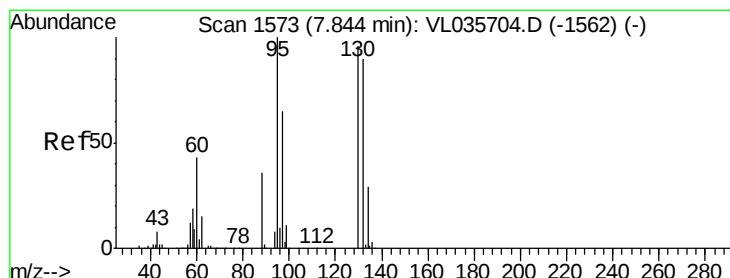
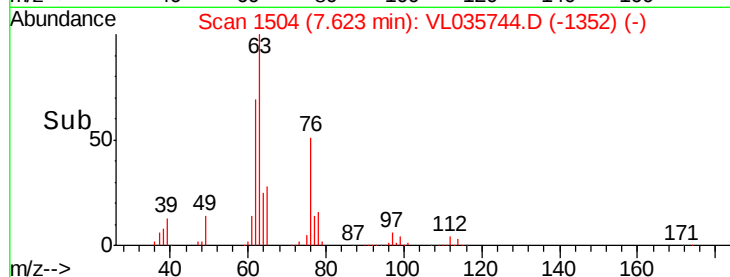
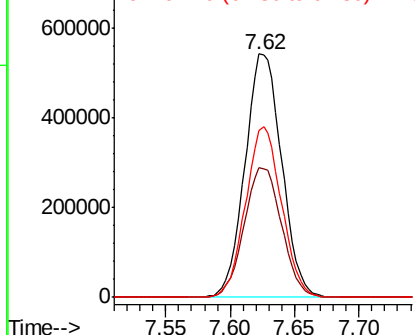
63 100

41 53.3 42.6 63.8

62 68.4 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: 10.497 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion: 88 Resp: 515385

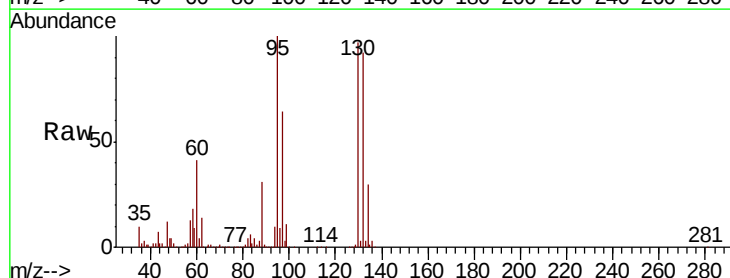
Ion Ratio Lower Upper

88 100

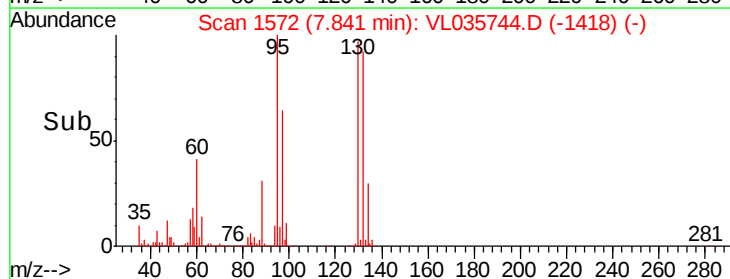
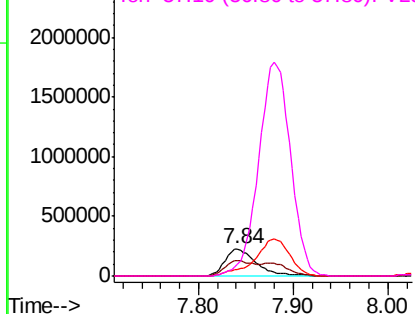
58 50.2 76.2 114.4#

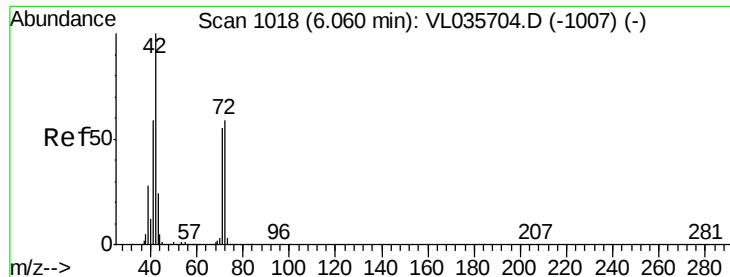
43 0.0 123.4 185.2#

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: 11.374 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

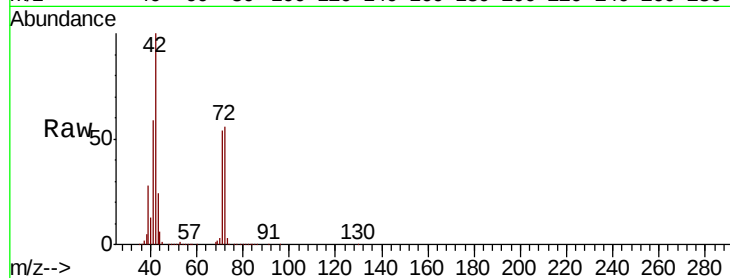
Tot Ion: 42 Resp: 861500

Ion Ratio Lower Upper

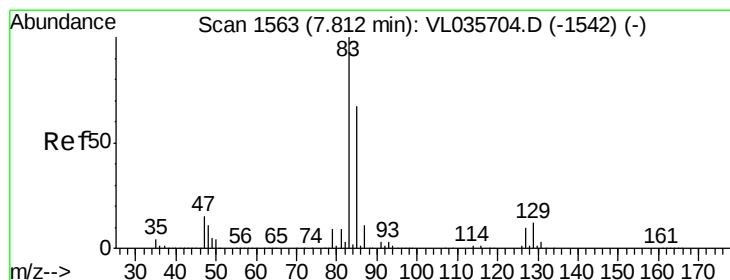
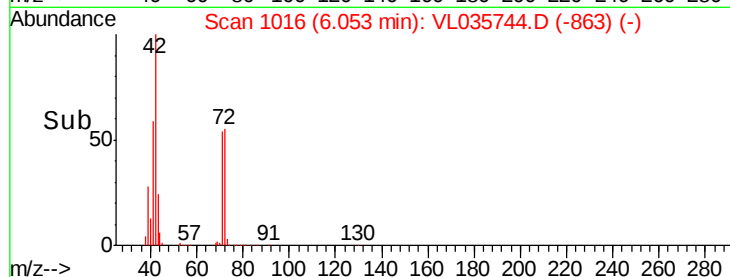
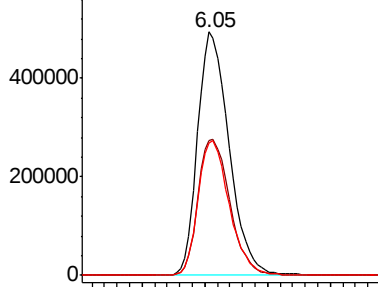
42 100

72 56.9 46.2 69.4

71 55.0 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: 10.366 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

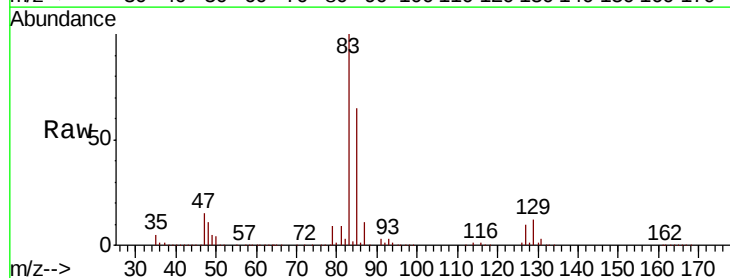
Tgt Ion: 83 Resp: 2577806

Ion Ratio Lower Upper

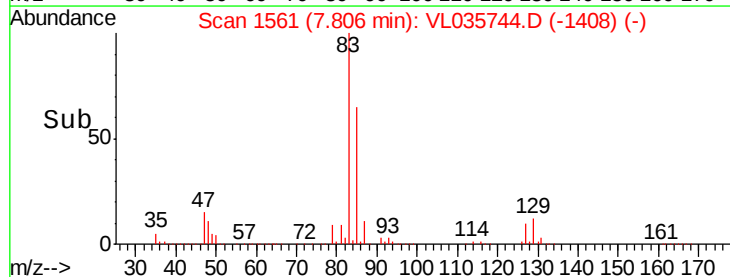
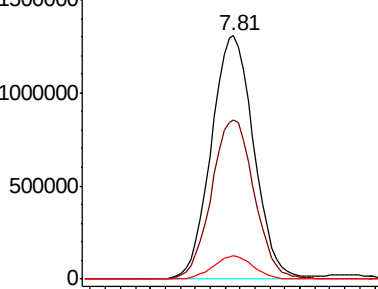
83 100

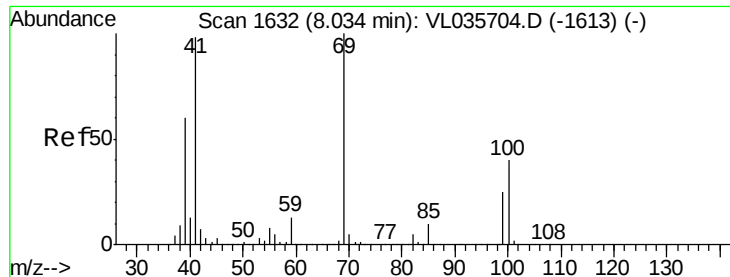
85 65.2 53.4 80.0

127 9.6 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

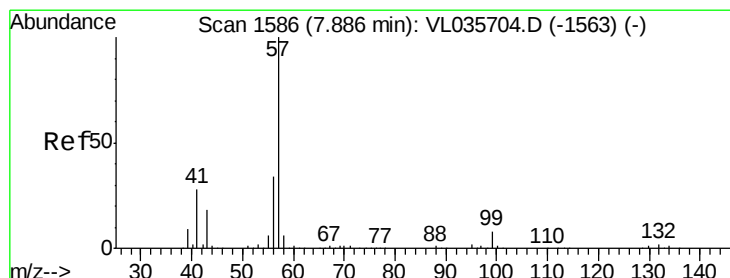
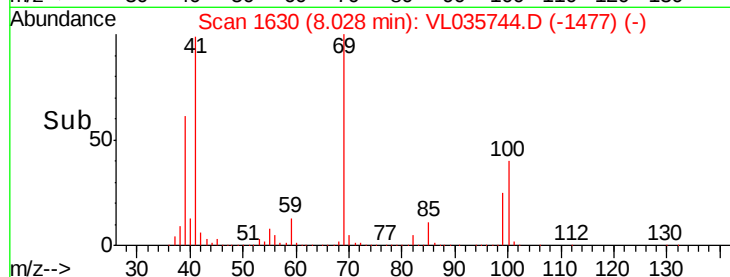
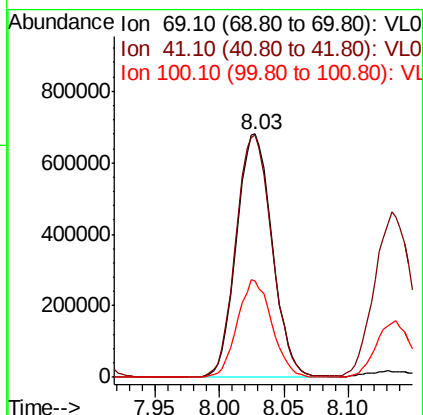
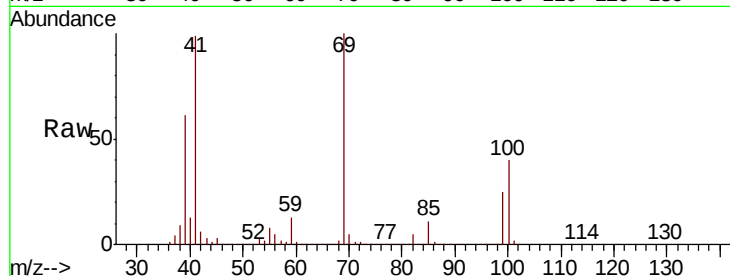




#43
Methyl Methacrylate
Concen: 11.152 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

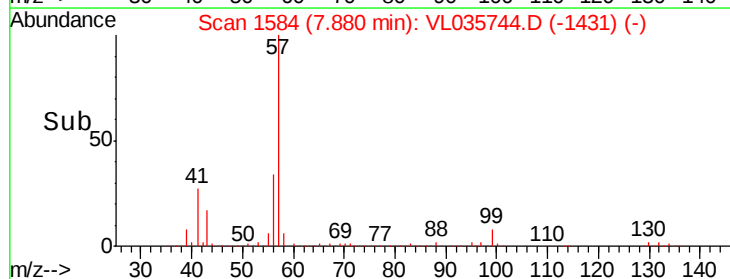
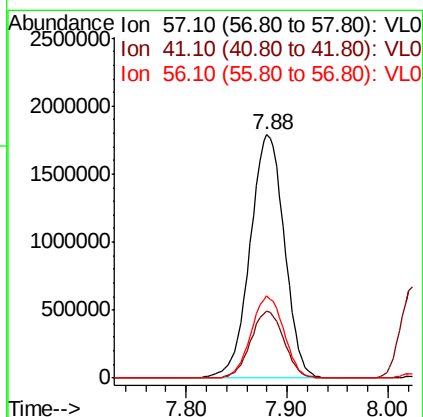
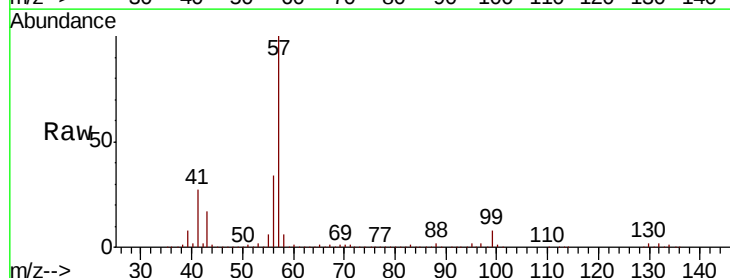
Instrument :
MSVOA_L
ClientSampled :

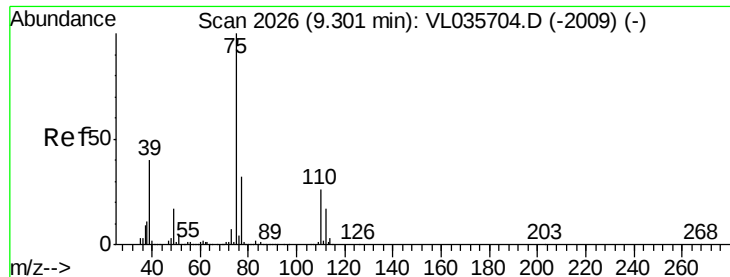
Tot Ion: 69 Resp: 1313716
Ion Ratio Lower Upper
69 100
41 100.5 79.8 119.6
100 38.7 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.916 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 57 Resp: 4214660
Ion Ratio Lower Upper
57 100
41 26.6 21.2 31.8
56 32.2 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.307 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

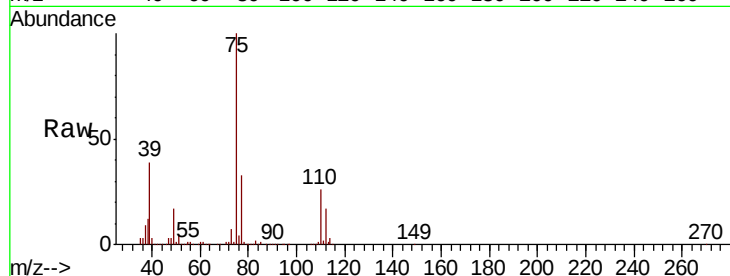
ClientSampled :

Tot Ion: 75 Resp: 1463657

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

800000

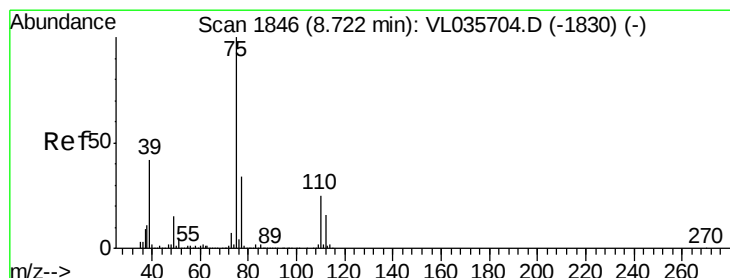
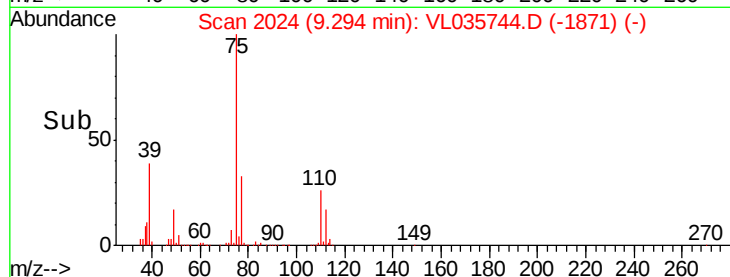
600000

400000

200000

0

Time--> 9.20 9.30 9.40



#46

cis-1,3-Dichloropropene

Concen: 11.897 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

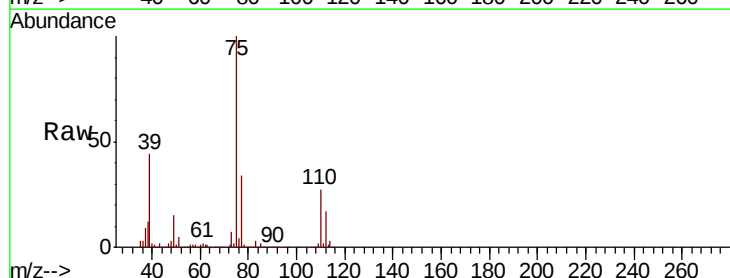
Tgt Ion: 75 Resp: 1744160

Ion Ratio Lower Upper

75 100

39 44.4 33.9 50.9

77 33.6 27.4 41.0



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

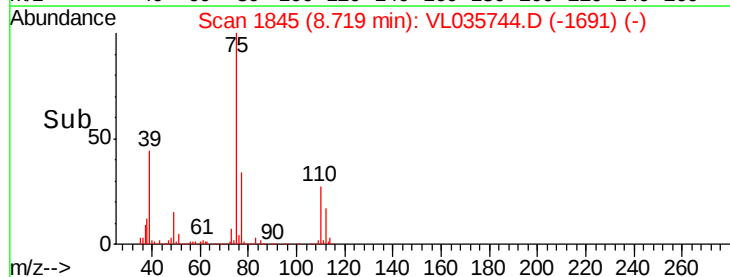
600000

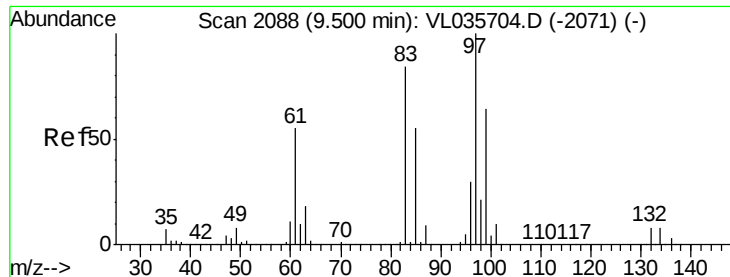
400000

200000

0

Time--> 8.60 8.65 8.70 8.75 8.80



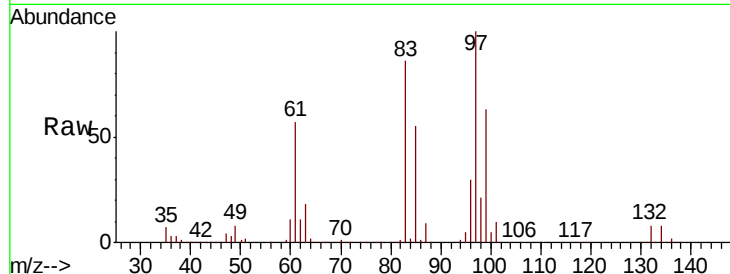


#47
 1,1,2-Trichloroethane
 Concen: 9.815 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

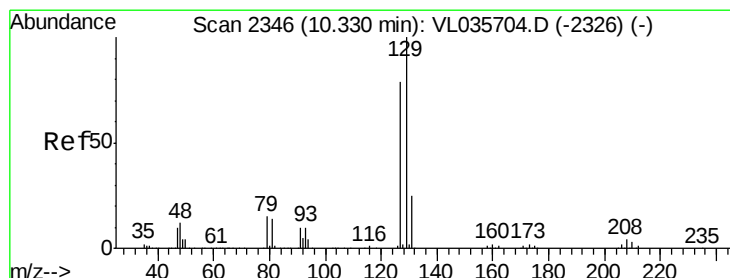
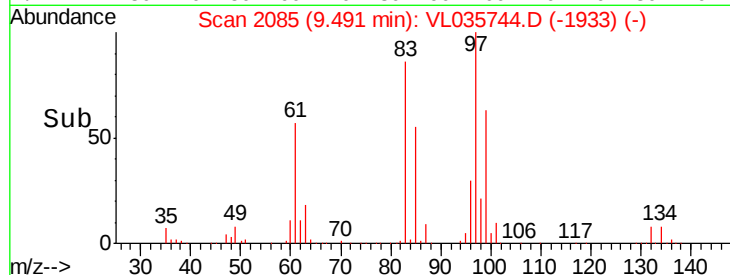
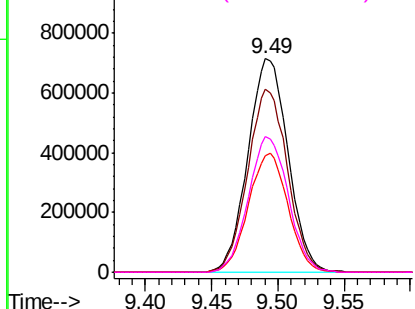
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1509296

Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.1	100.7
85	54.6	43.9	65.9
99	63.4	51.3	76.9



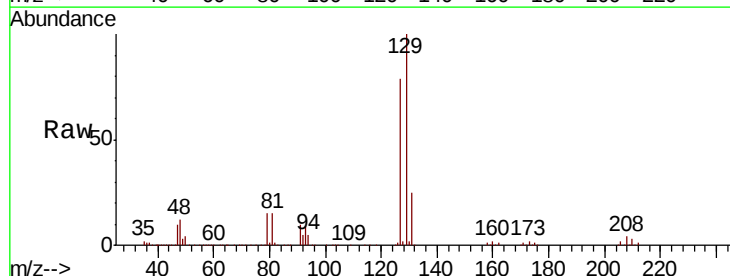
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



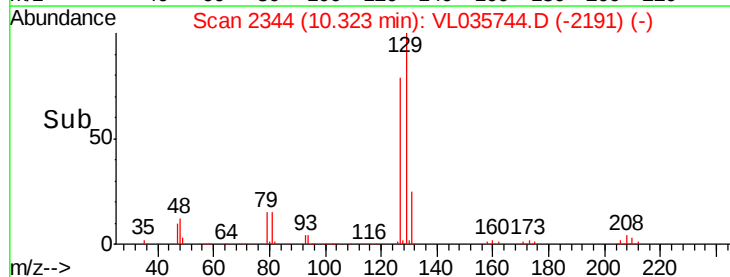
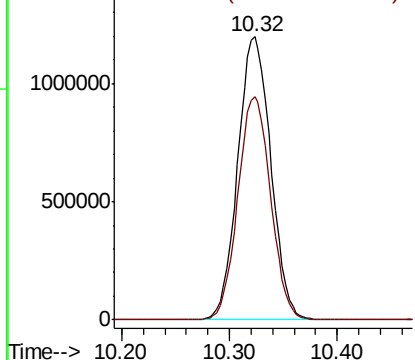
#48
 Dibromochloromethane
 Concen: 10.918 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

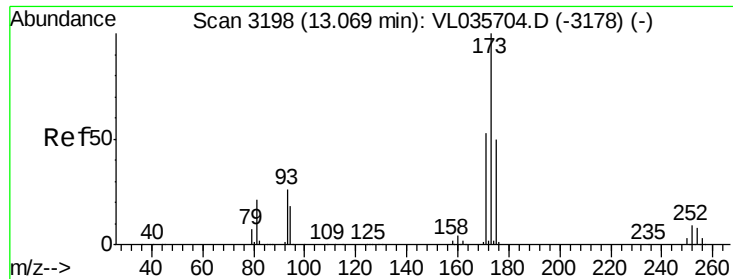
Tgt Ion: 129 Resp: 2555222

Ion	Ratio	Lower	Upper
129	100		
127	78.4	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: 11.441 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

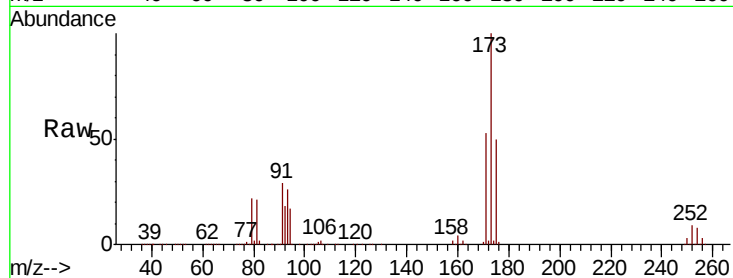
Tot Ion:173 Resp: 2271865

Ion Ratio Lower Upper

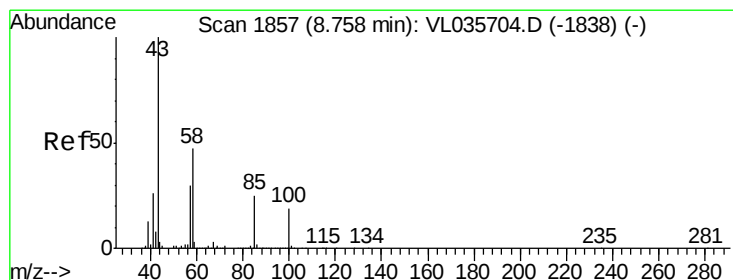
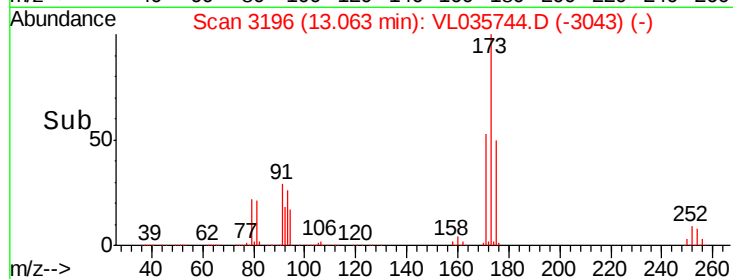
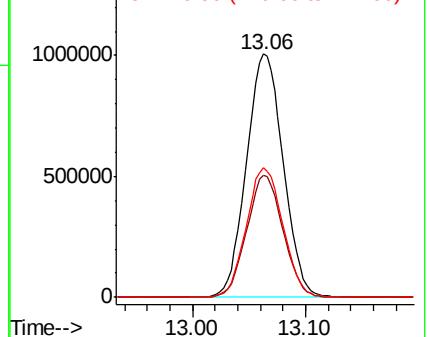
173 100

175 49.8 39.8 59.6

171 53.2 42.8 64.2



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: 10.415 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035744.D

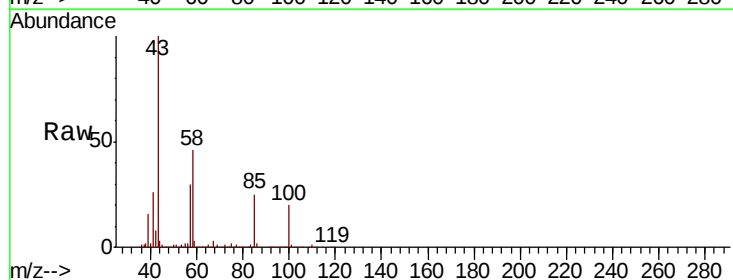
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 2287081

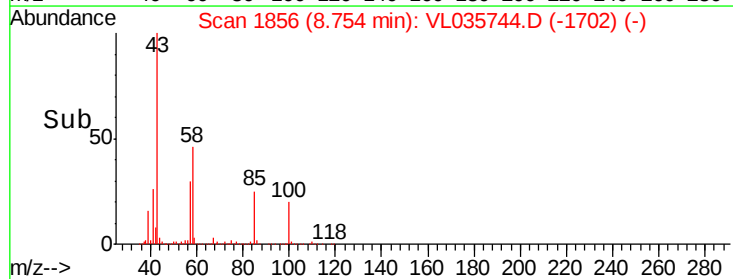
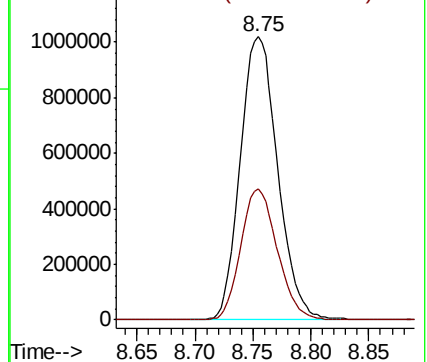
Ion Ratio Lower Upper

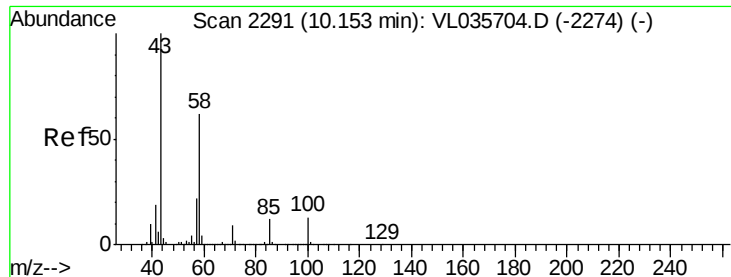
43 100

58 45.5 36.6 54.8



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

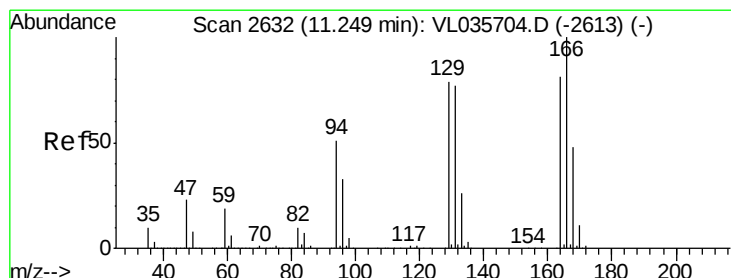
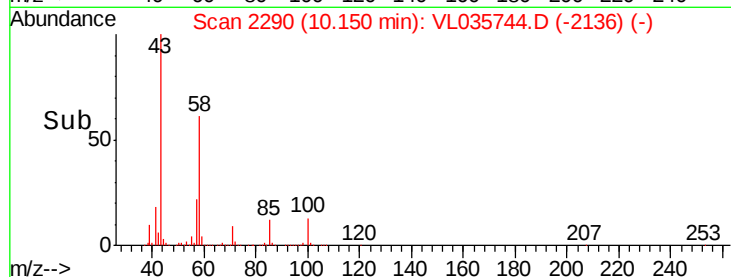
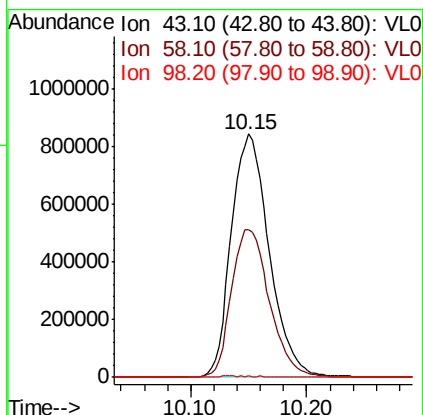
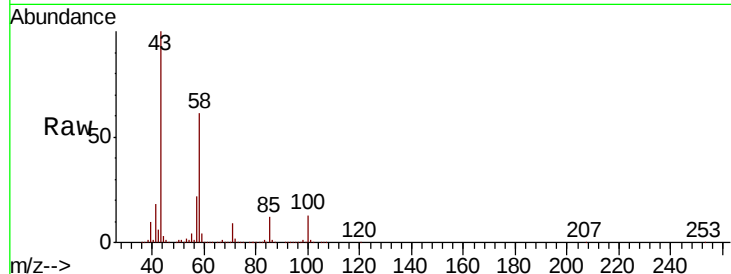




#51
2-Hexanone
Concen: 10.836 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

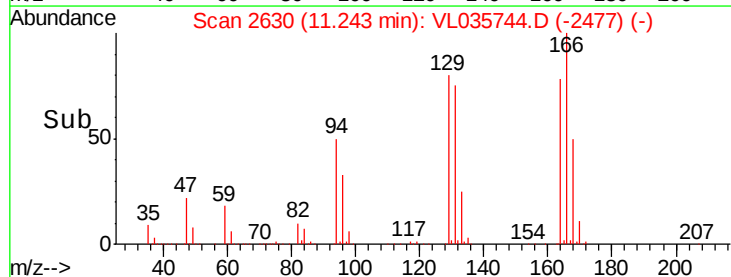
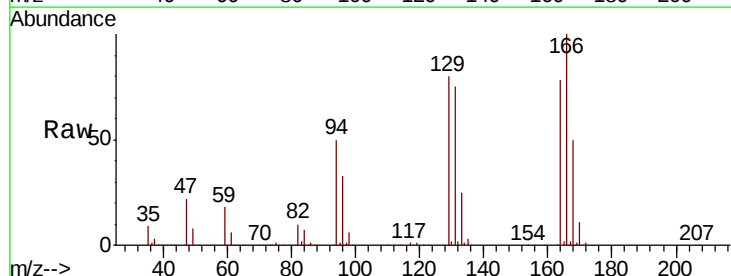
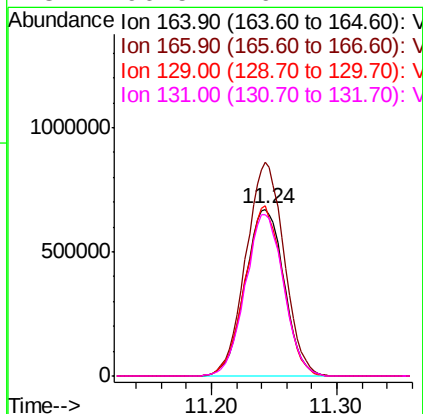
Instrument :
MSVOA_L
ClientSampleId :

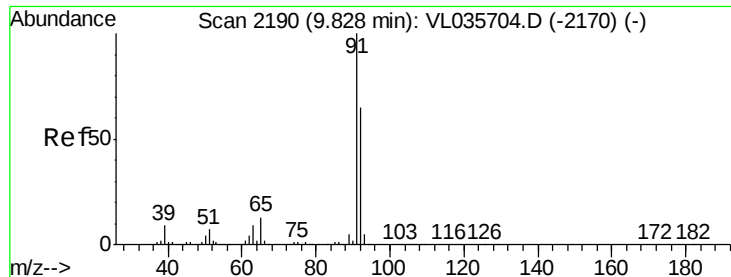
Tot Ion: 43 Resp: 1917295
Ion Ratio Lower Upper
43 100
58 60.9 48.7 73.1
98 0.8 0.7 1.1



#52
Tetrachloroethene
Concen: 10.193 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion:164 Resp: 1451863
Ion Ratio Lower Upper
164 100
166 127.9 98.7 148.1
129 101.8 78.4 117.6
131 96.5 76.2 114.2





#53

Toluene

Concen: 11.072 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

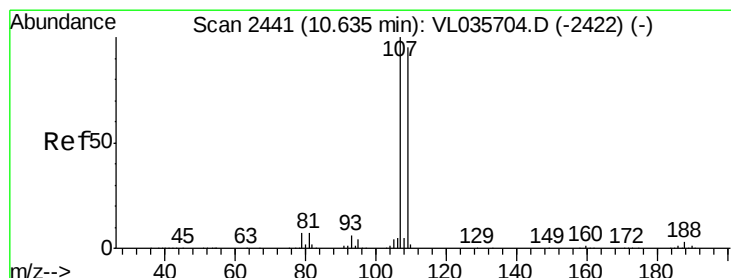
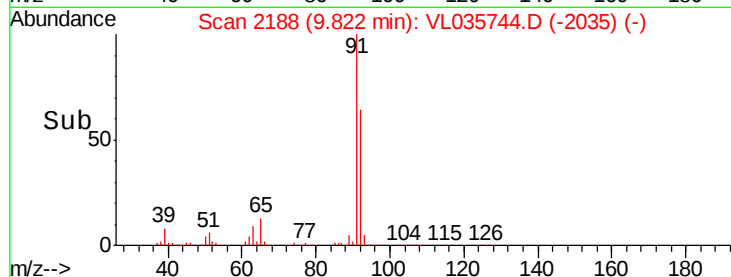
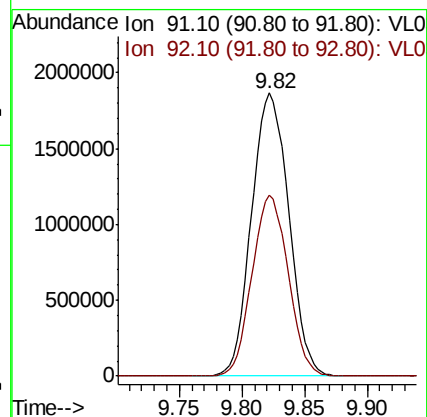
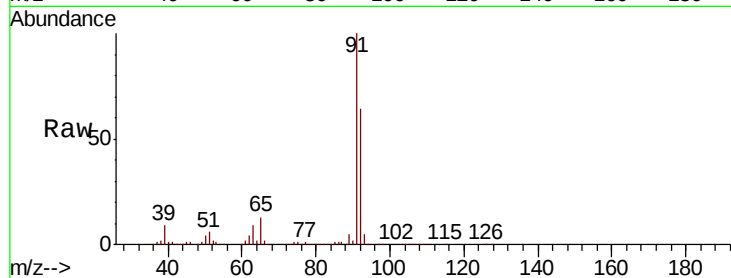
ClientSampleId :

Tot Ion: 91 Resp: 3866955

Ion Ratio Lower Upper

91 100

92 62.2 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.219 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035744.D

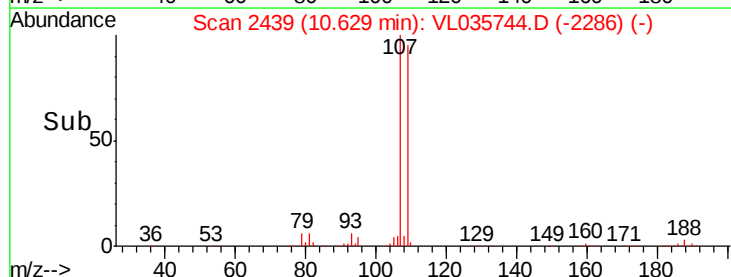
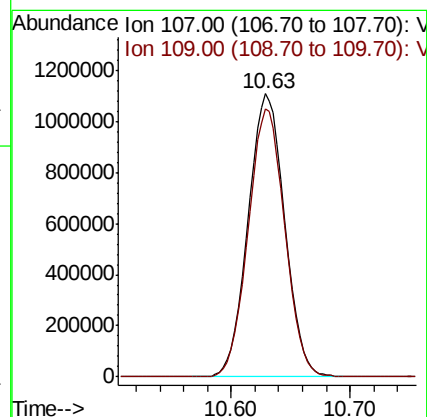
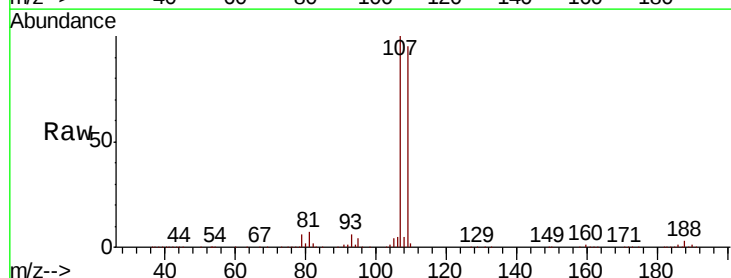
Acq: 8 Oct 2020 13:37

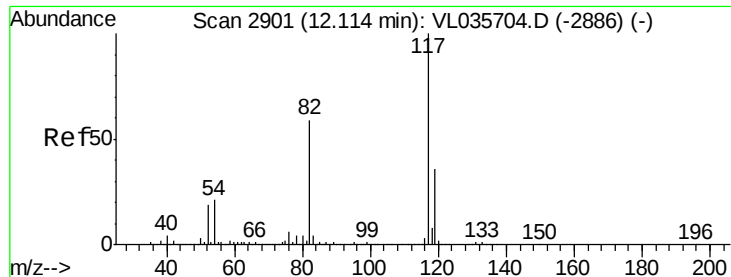
Tgt Ion: 107 Resp: 2352930

Ion Ratio Lower Upper

107 100

109 94.7 76.0 114.0

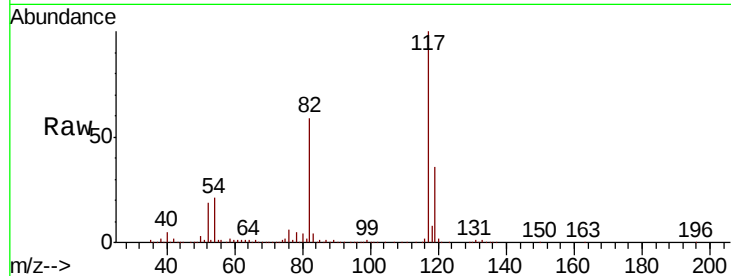




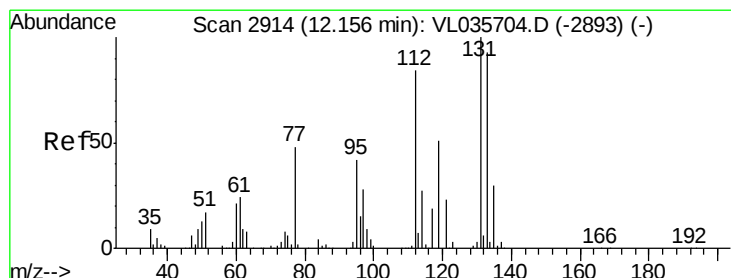
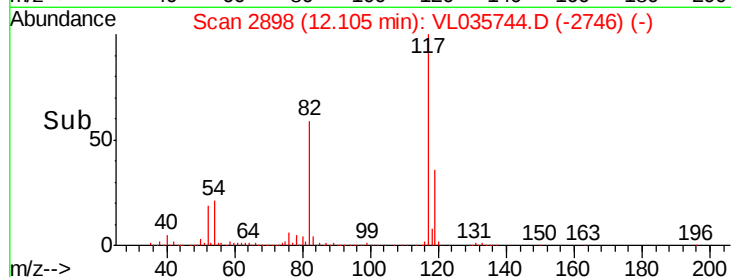
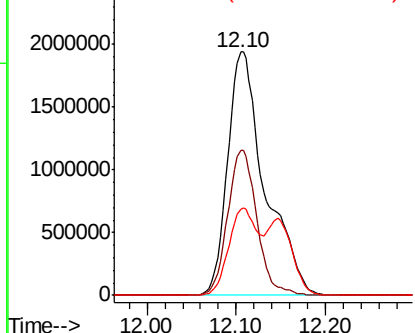
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 5653921
Ion Ratio Lower Upper
117 100
82 46.6 46.1 69.1
119 28.3 28.0 42.0

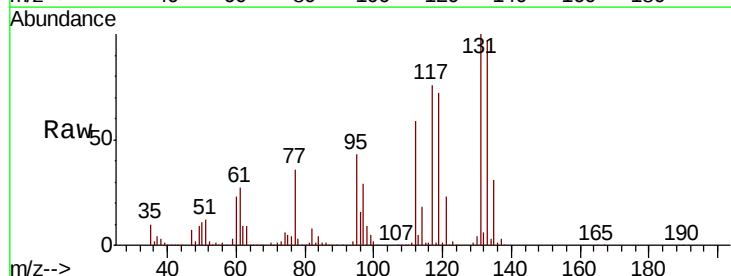


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

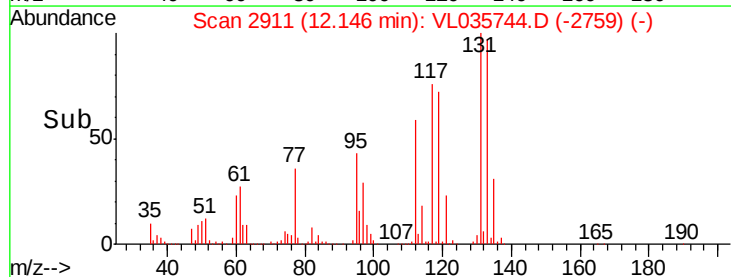
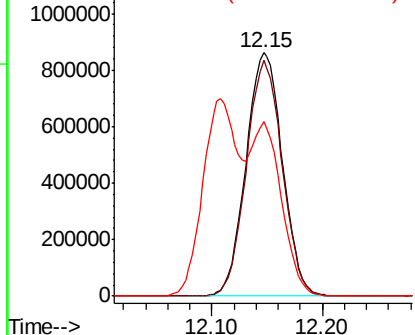


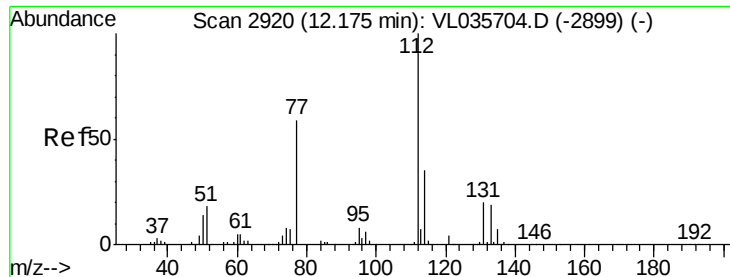
#56
1,1,1,2-Tetrachloroethane
Concen: 8.292 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion:131 Resp: 1965688
Ion Ratio Lower Upper
131 100
133 95.7 76.2 114.4
119 60.7 52.4 78.6



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

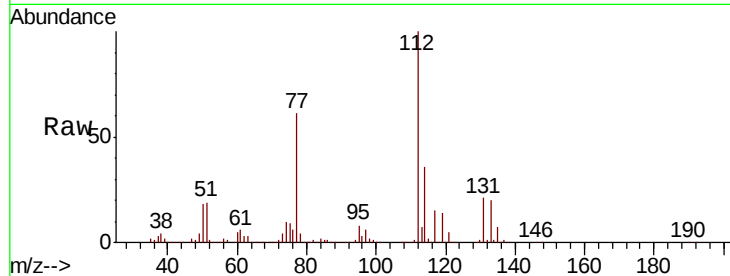




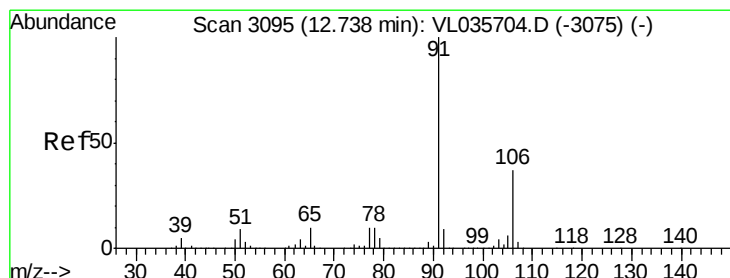
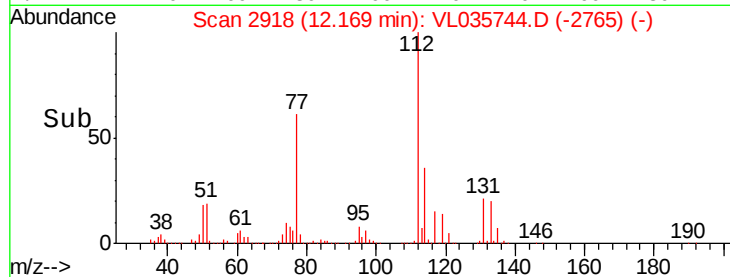
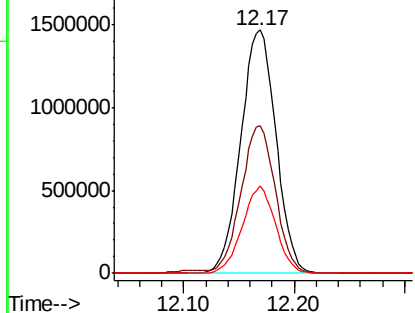
#57
Chlorobenzene
Concen: 7.602 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3246574
Ion Ratio Lower Upper
112 100
77 60.6 48.2 72.2
114 35.7 31.9 39.1

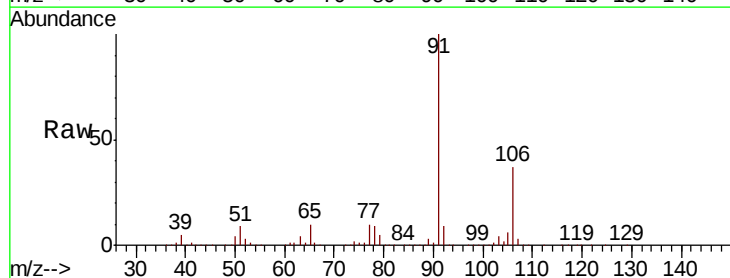


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

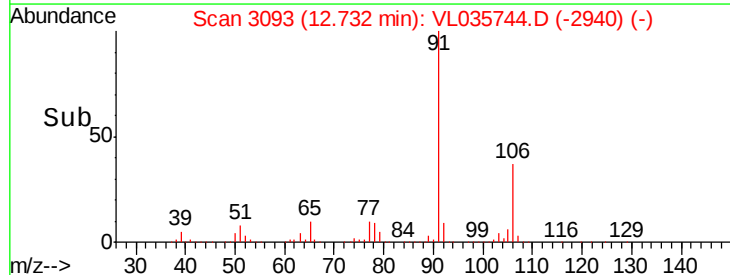
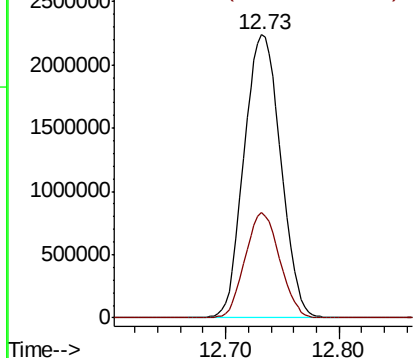


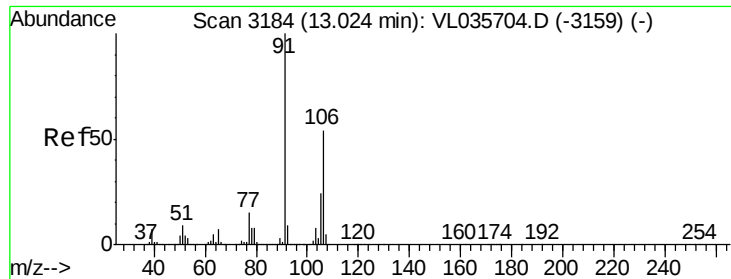
#58
Ethyl Benzene
Concen: 8.897 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 5049083
Ion Ratio Lower Upper
91 100
106 37.3 29.7 44.5



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

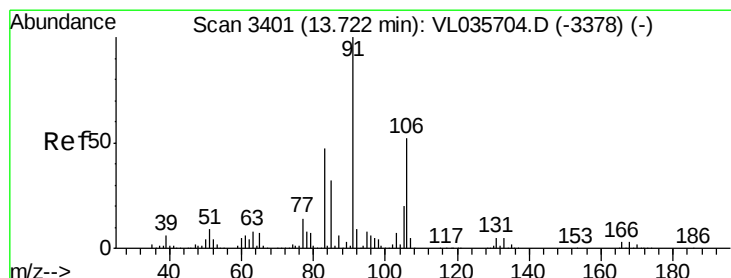
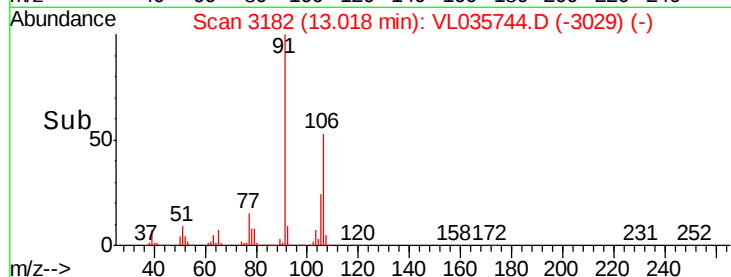
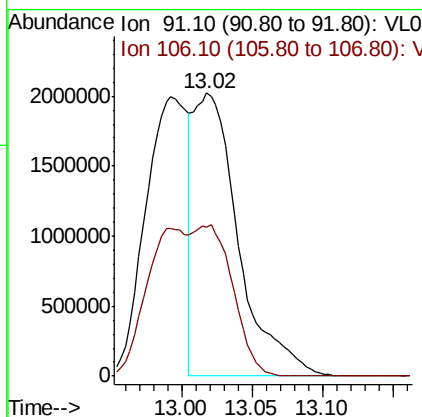
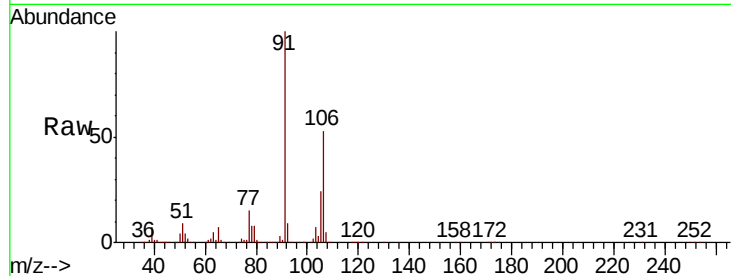




#59
m/p-Xylene
Concen: 9.008 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

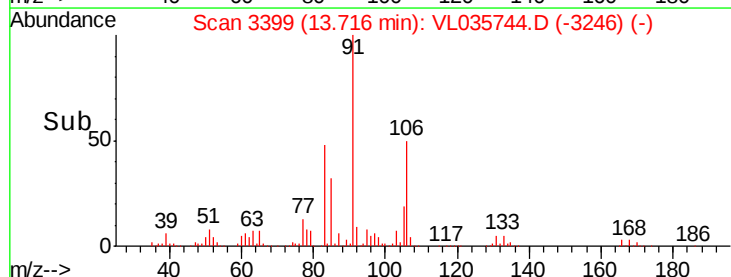
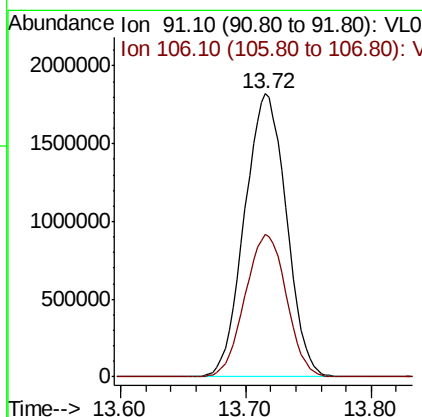
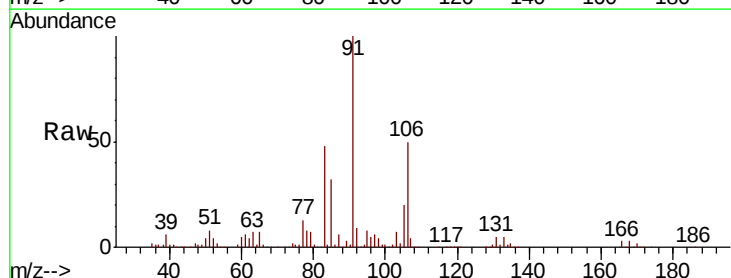
Instrument :
MSVOA_L
ClientSampleId :

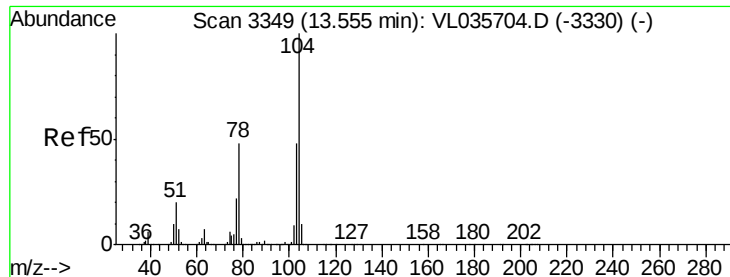
Tot Ion: 91 Resp: 4464064
Ion Ratio Lower Upper
91 100
106 96.2 41.4 62.0#



#60
o-Xylene
Concen: 8.412 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 4216941
Ion Ratio Lower Upper
91 100
106 49.9 25.0 75.0





#61

Stvrene

Concen: 9.505 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

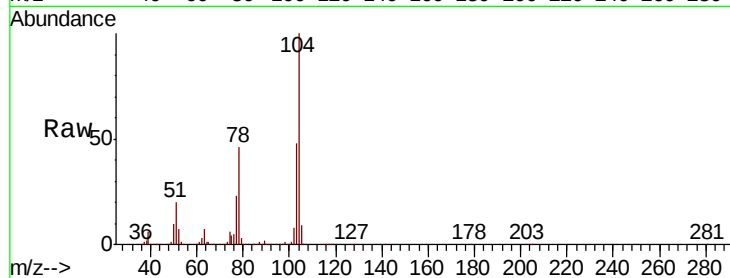
Tot Ion:104 Resp: 3294887

Ion Ratio Lower Upper

104 100

78 46.1 37.2 55.8

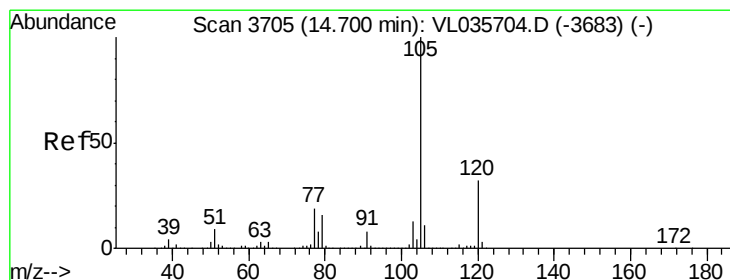
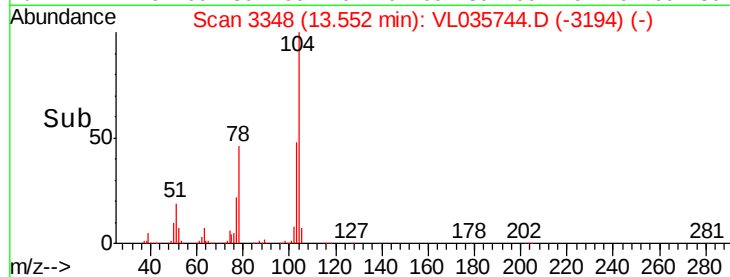
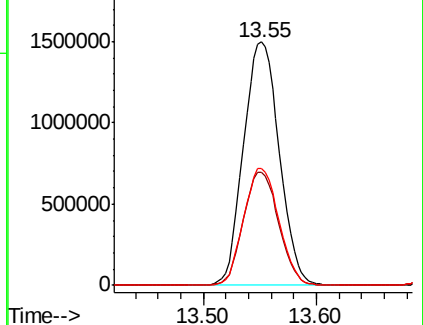
103 47.5 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

2000000 Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.156 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.01 min

Lab File: VL035744.D

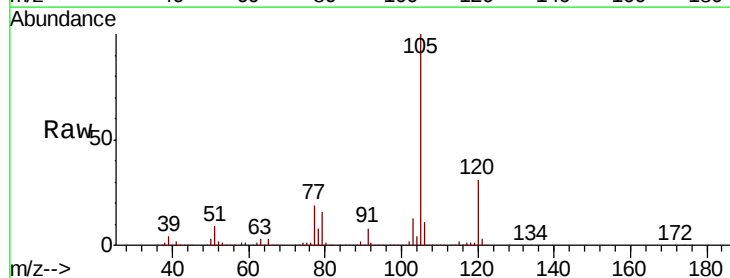
Acq: 8 Oct 2020 13:37

Tgt Ion:105 Resp: 6341860

Ion Ratio Lower Upper

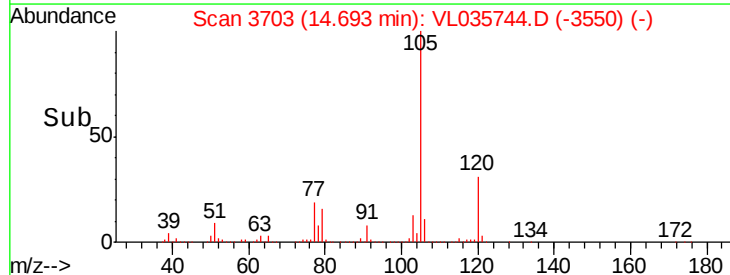
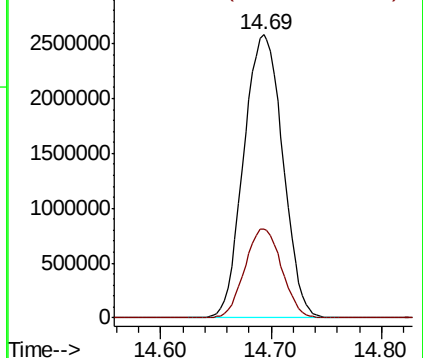
105 100

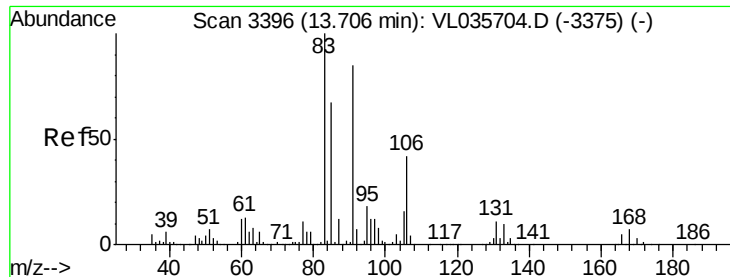
120 29.7 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 120.20 (119.90 to 120.90): V

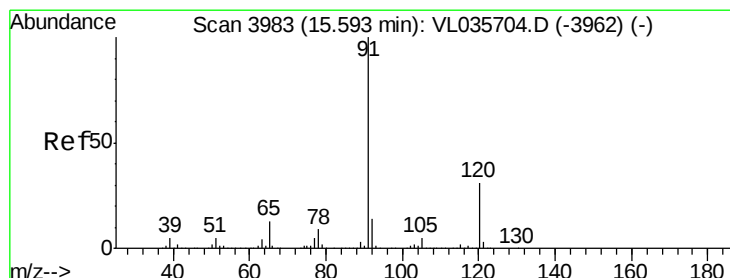
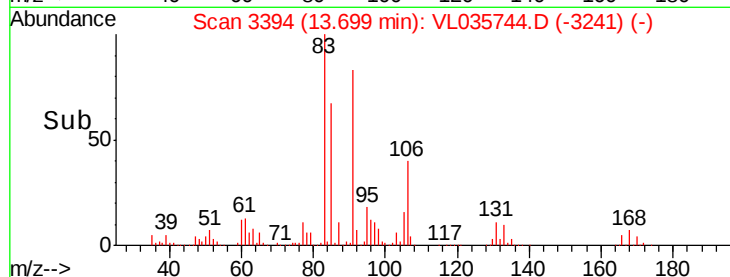
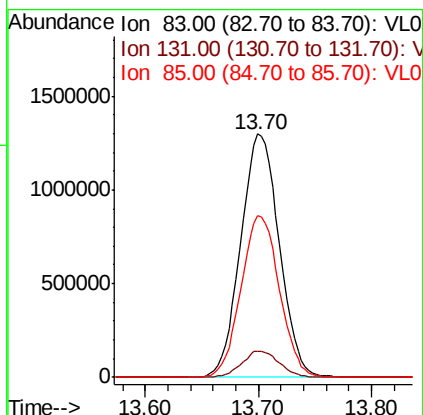
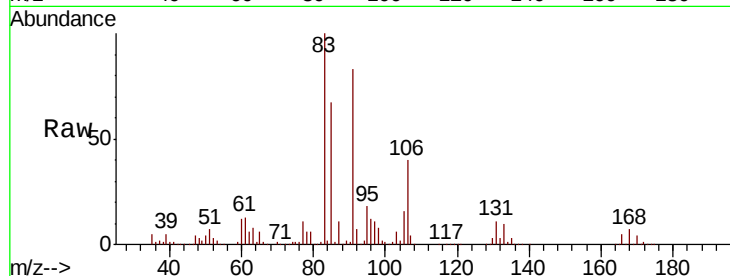




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.494 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

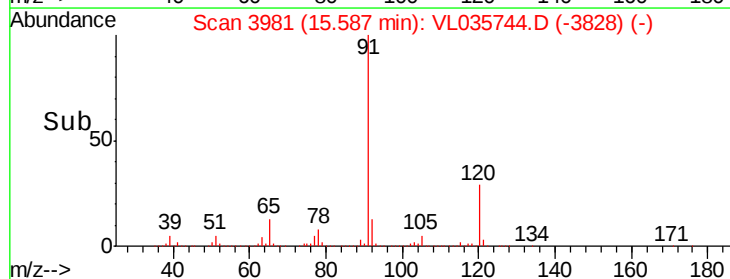
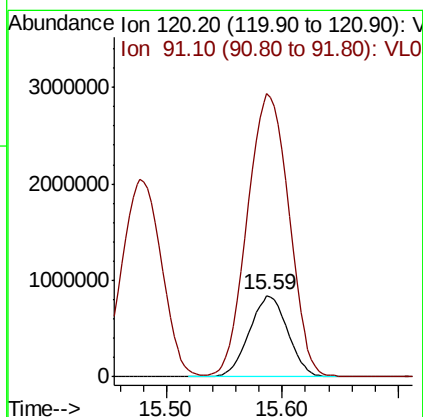
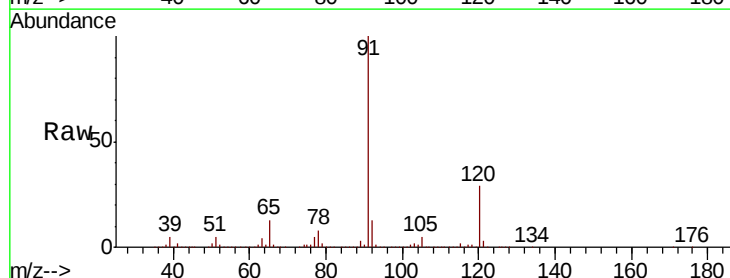
Instrument :
 MSVOA_L
 ClientSampleId :

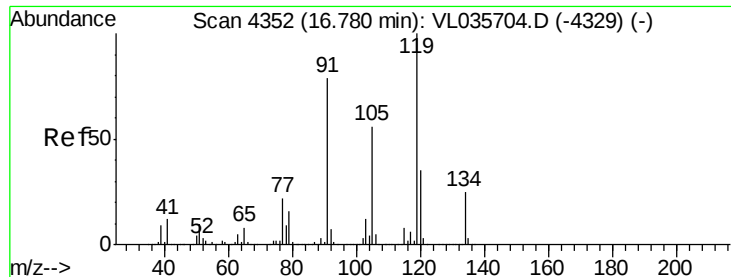
Tot Ion: 83 Resp: 3080503
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.4 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.505 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 120 Resp: 1935522
 Ion Ratio Lower Upper
 120 100
 91 379.2 300.4 450.6

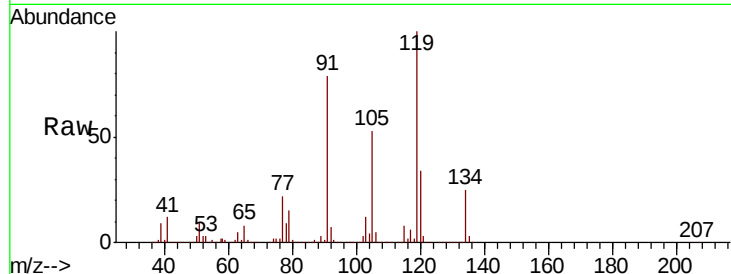




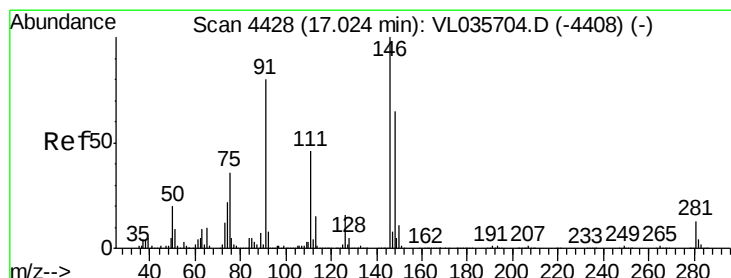
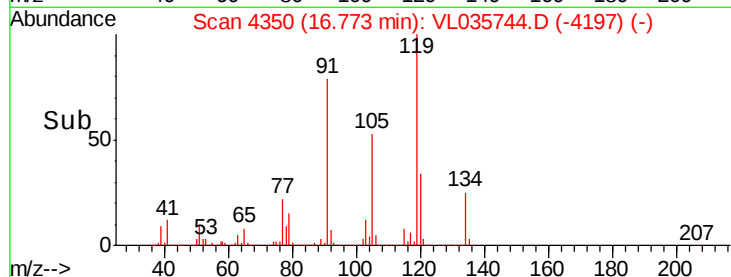
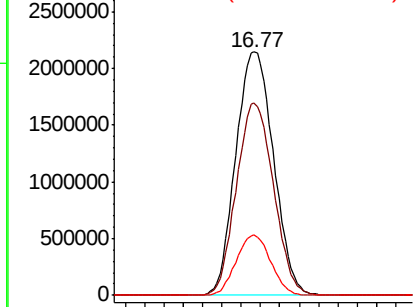
#65
 tert-Butylbenzene
 Concen: 8.251 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 5832908
 Ion Ratio Lower Upper
 119 100
 91 77.7 62.4 93.6
 134 22.7 18.2 27.2

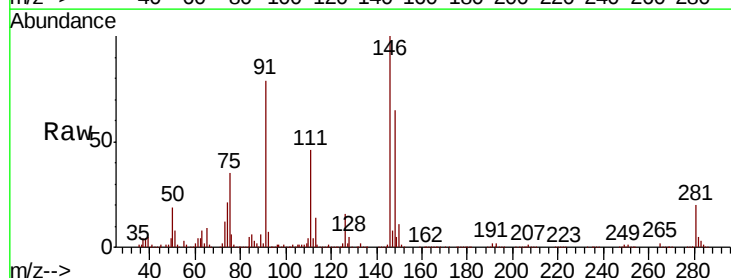


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

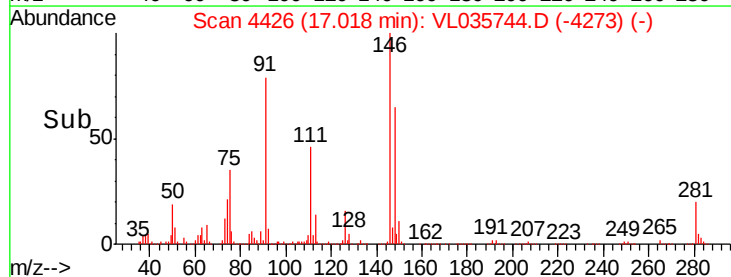
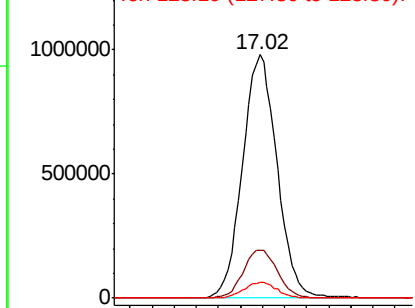


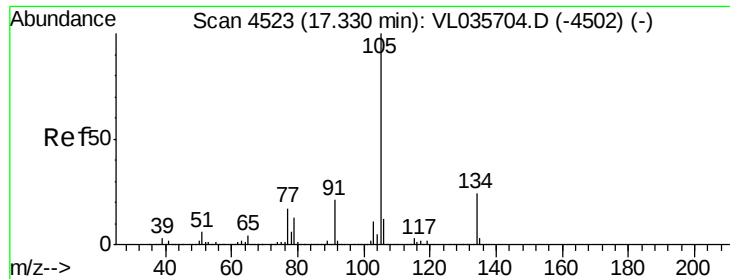
#66
 Benzyl Chloride
 Concen: 9.929 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 2126671
 Ion Ratio Lower Upper
 91 100
 126 19.7 15.3 22.9
 128 6.4 5.0 7.4



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: 7.983 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

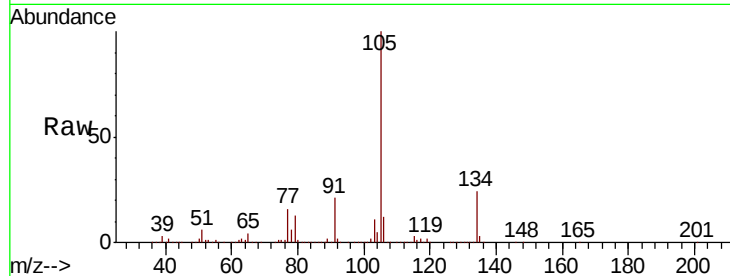
ClientSampleId :

Tot Ion:105 Resp: 7793903

Ion Ratio Lower Upper

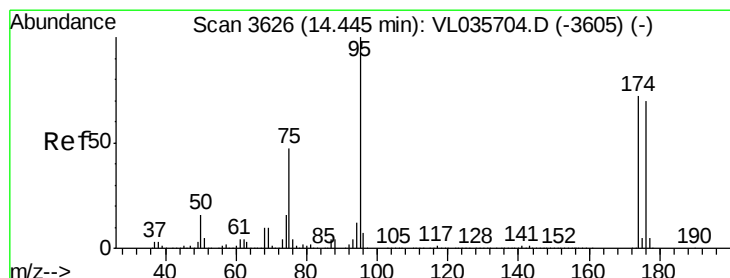
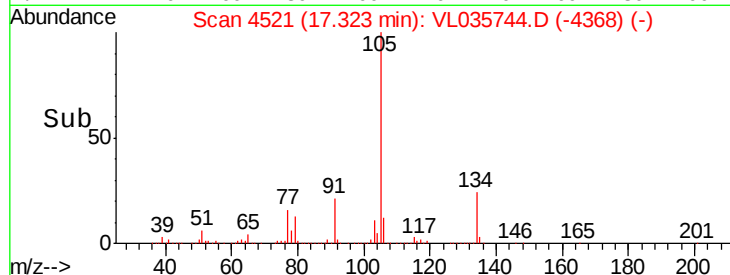
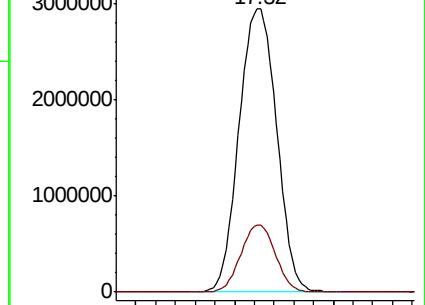
105 100

134 21.9 17.6 26.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.895 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

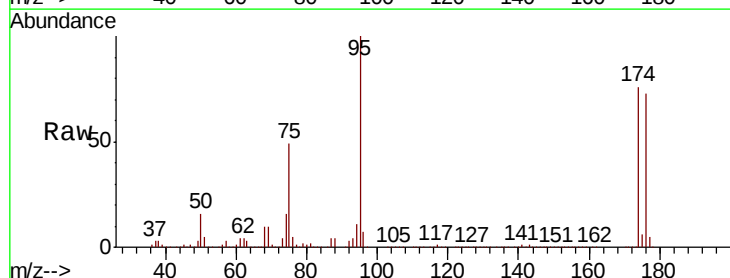
Tgt Ion: 95 Resp: 3344987

Ion Ratio Lower Upper

95 100

174 76.1 59.6 89.4

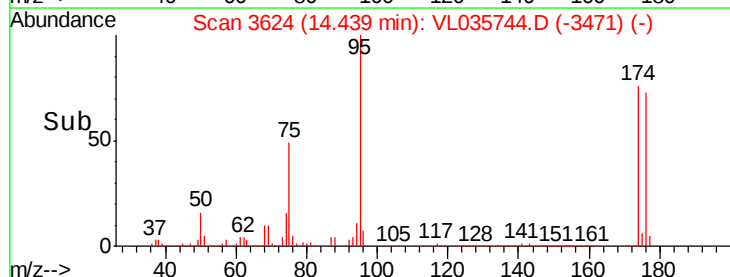
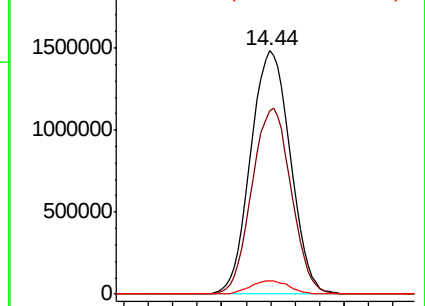
175 5.5 4.2 6.4

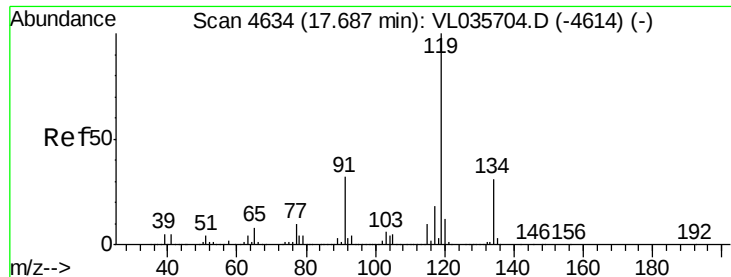


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

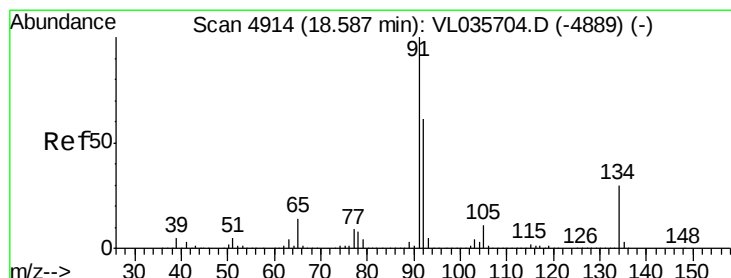
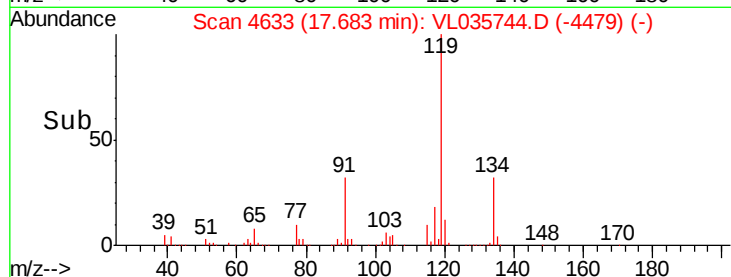
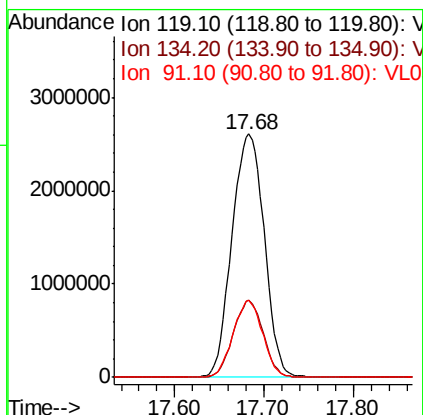
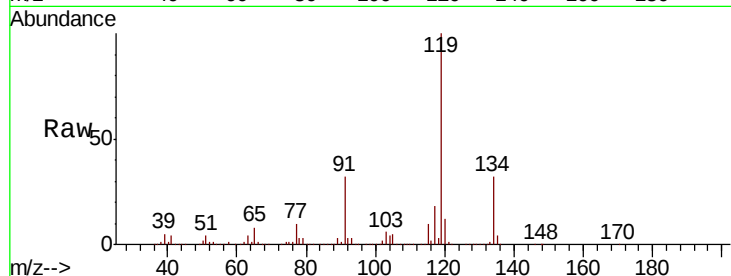




#69
p-Isopropyltoluene
Concen: 8.262 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

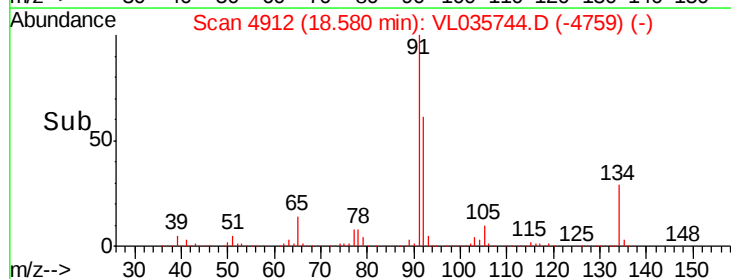
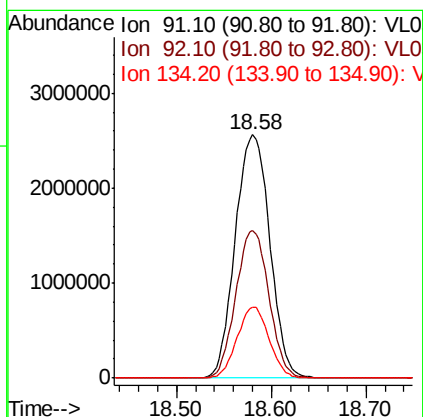
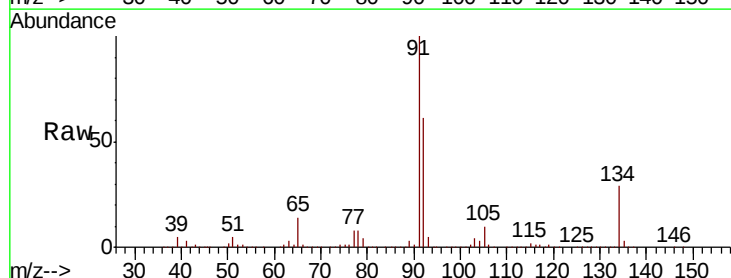
Instrument :
MSVOA_L
ClientSampleId :

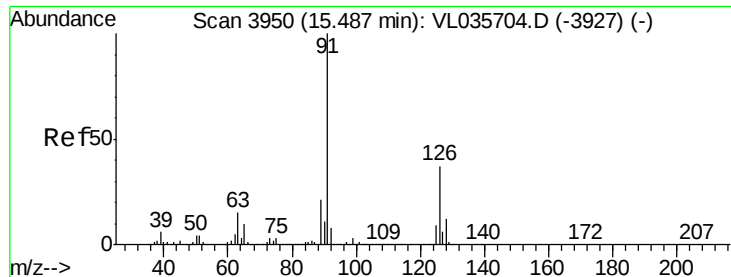
Tot Ion:119 Resp: 6561975
Ion Ratio Lower Upper
119 100
134 29.4 23.9 35.9
91 29.1 23.8 35.6



#70
n-Butylbenzene
Concen: 7.965 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 6514867
Ion Ratio Lower Upper
91 100
92 58.1 47.0 70.4
134 27.1 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.550 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

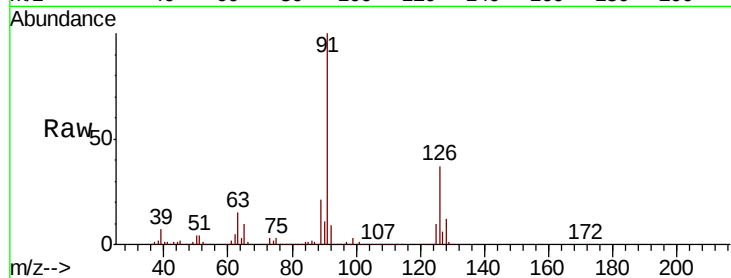
ClientSampleId :

Tot Ion: 91 Resp: 4849638

Ion Ratio Lower Upper

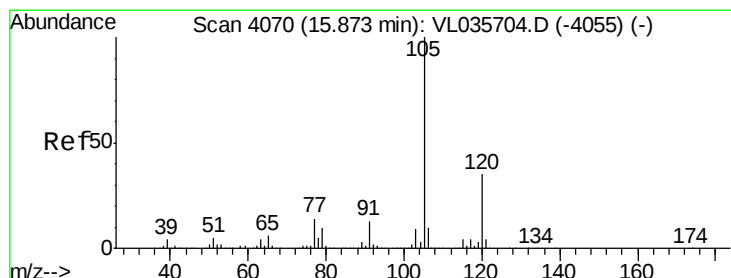
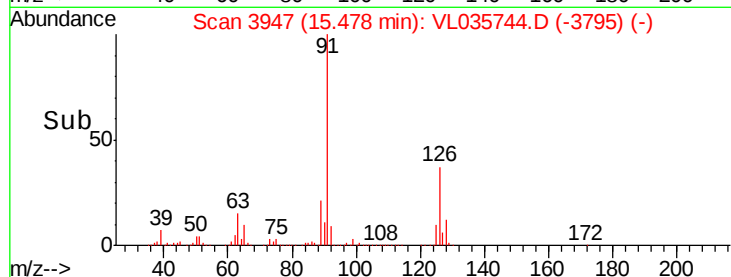
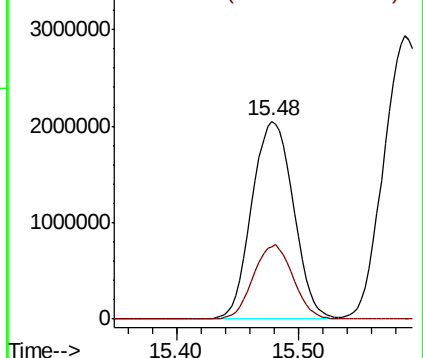
91 100

126 35.8 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.649 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion:105 Resp: 5136594

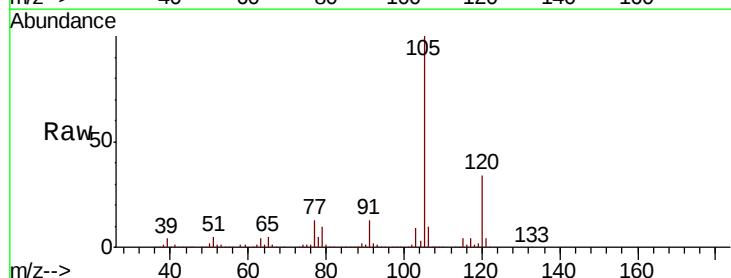
Ion Ratio Lower Upper

105 100

120 33.1 26.5 39.7

91 12.7 10.2 15.2

77 12.7 10.3 15.5

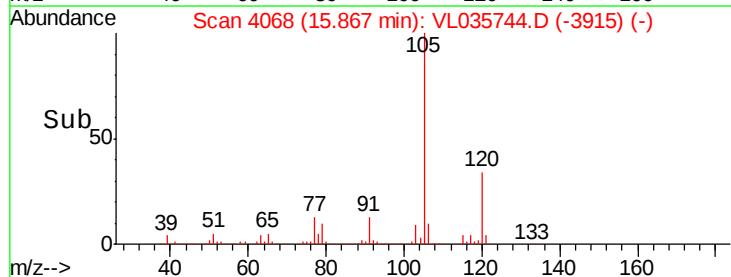
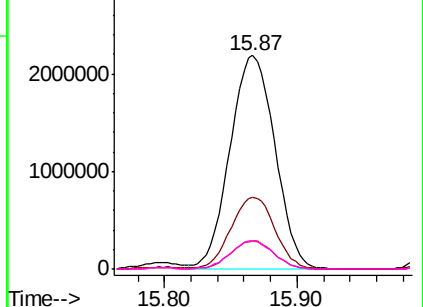


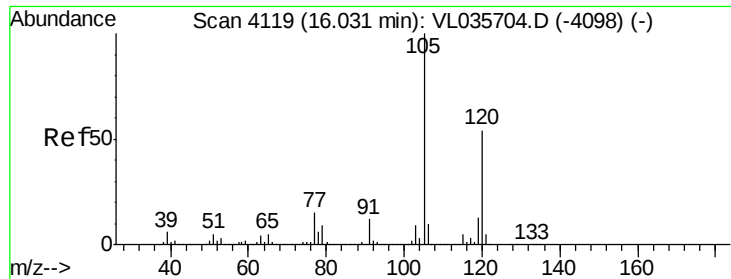
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

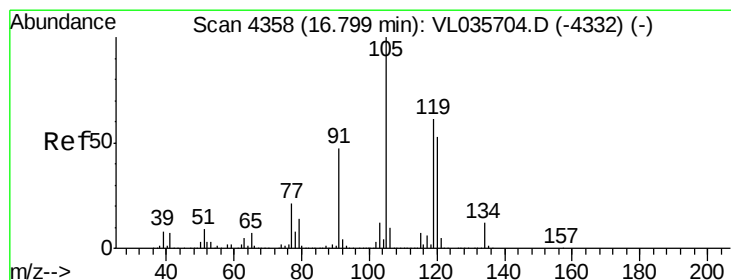
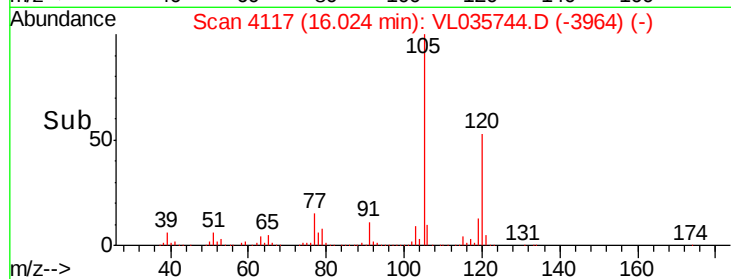
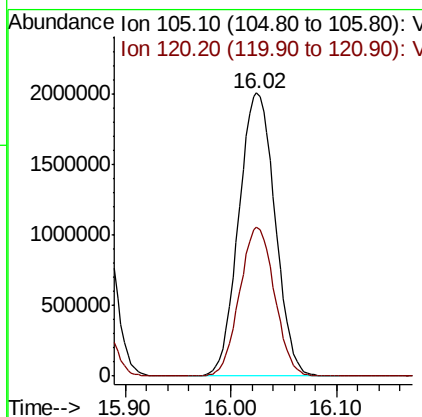
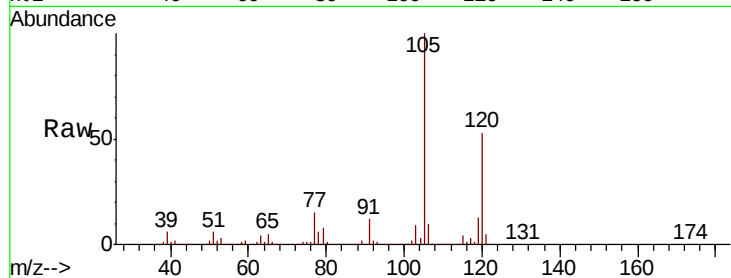




#73
 1,3,5-Trimethylbenzene
 Concen: 8.544 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

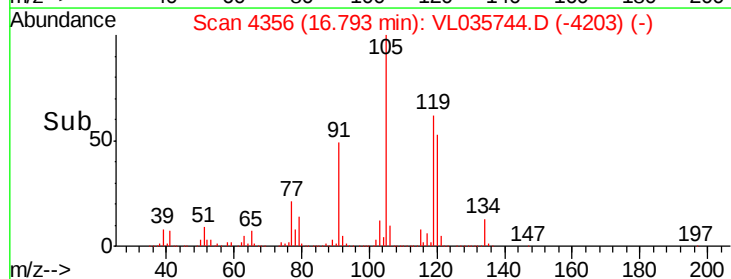
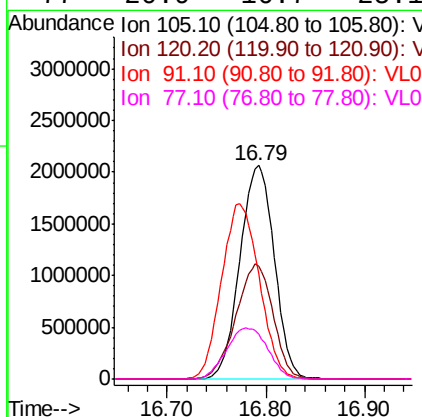
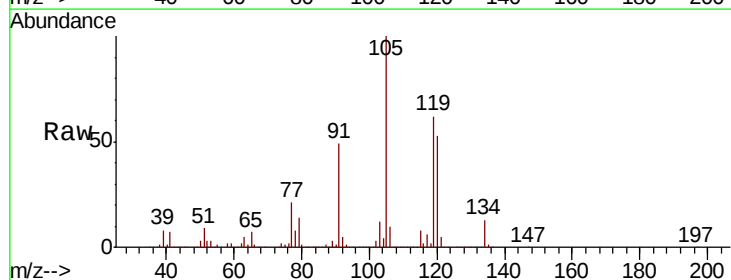
Instrument :
 MSVOA_L
 ClientSampleId :

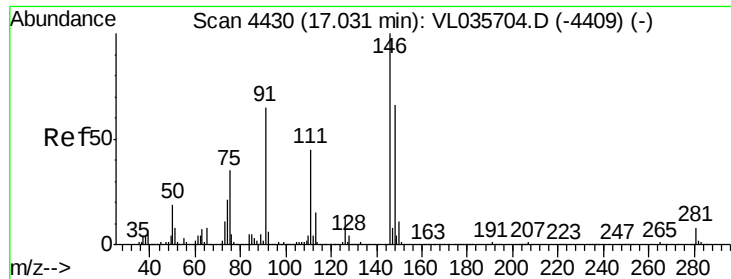
Tot Ion:105 Resp: 4794724
 Ion Ratio Lower Upper
 105 100
 120 52.6 43.0 64.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.873 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:105 Resp: 4980625
 Ion Ratio Lower Upper
 105 100
 120 52.5 42.5 63.7
 91 48.9 37.7 56.5
 77 20.9 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 7.588 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

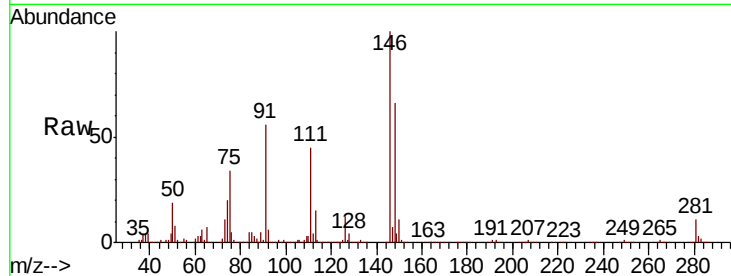
Tot Ion:146 Resp: 3277223

Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.0

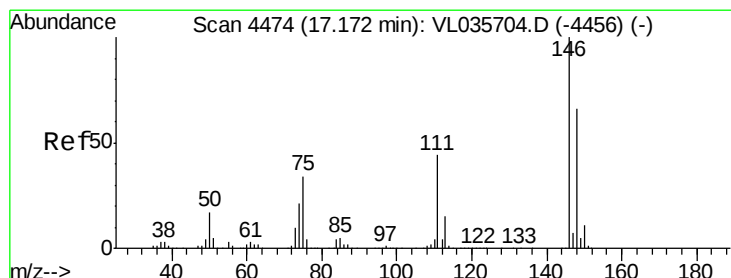
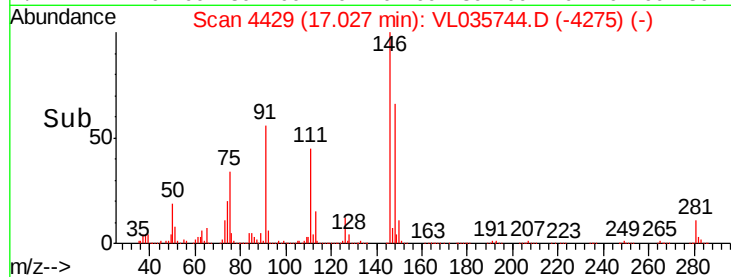
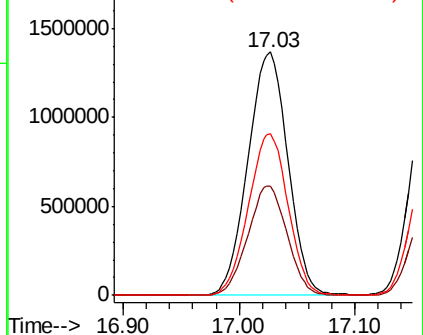
148 65.8 33.0 99.0



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: 7.973 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

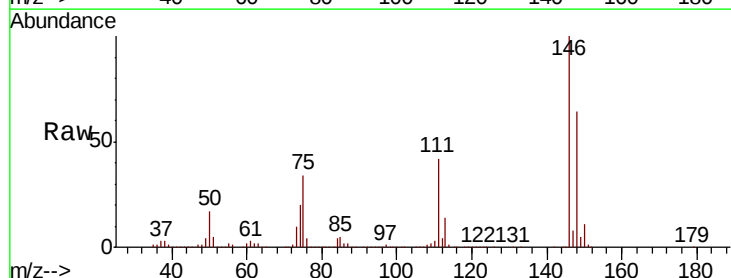
Tgt Ion:146 Resp: 3291690

Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.3

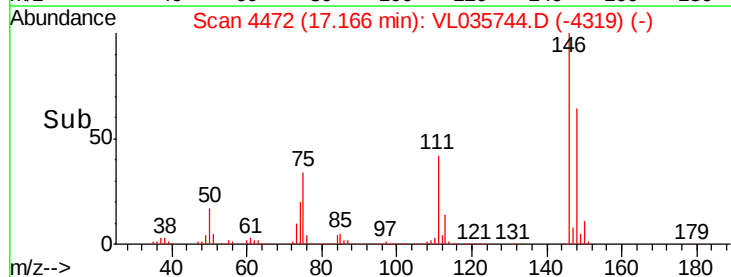
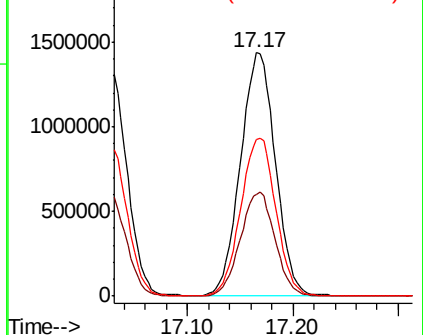
148 65.9 32.6 98.0

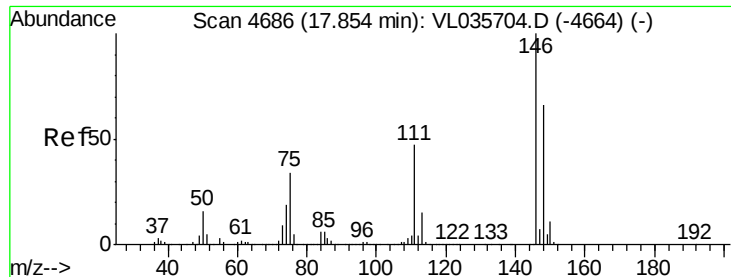


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.872 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampled :

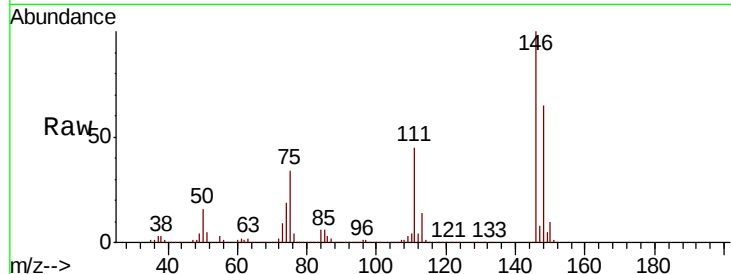
Tot Ion:146 Resp: 3211189

Ion Ratio Lower Upper

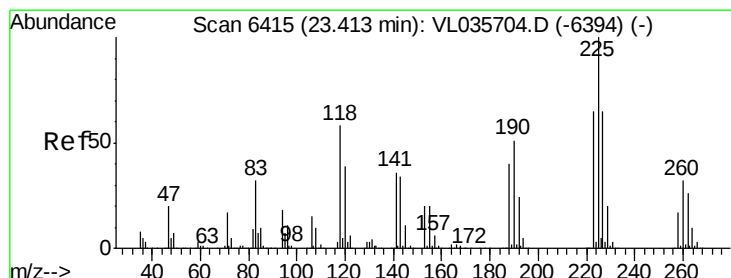
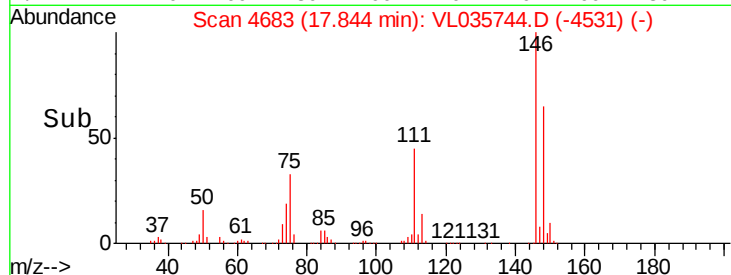
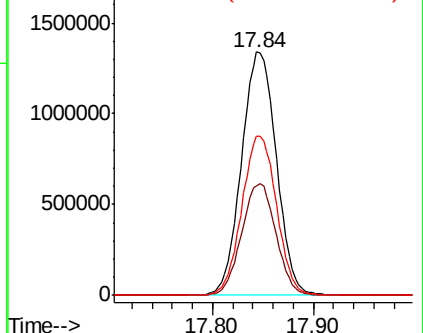
146 100

111 45.3 22.9 68.5

148 65.2 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



#78

Hexachloro-1,3-Butadiene

Concen: 7.769 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

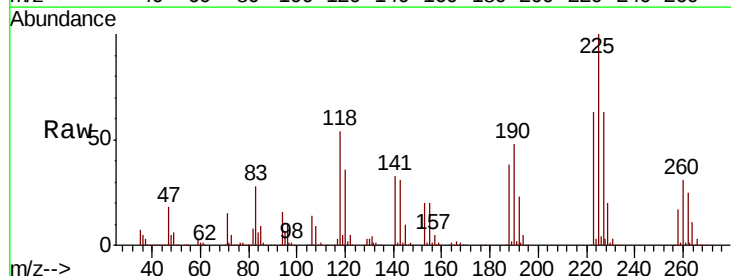
Tgt Ion:225 Resp: 1748632

Ion Ratio Lower Upper

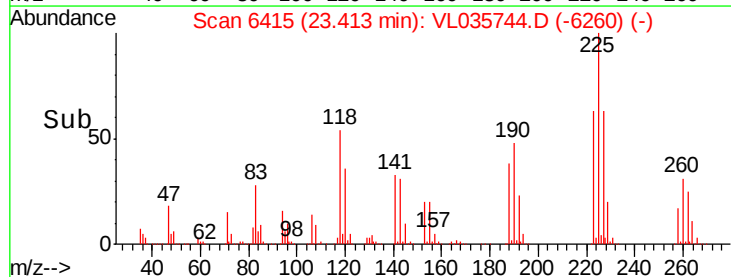
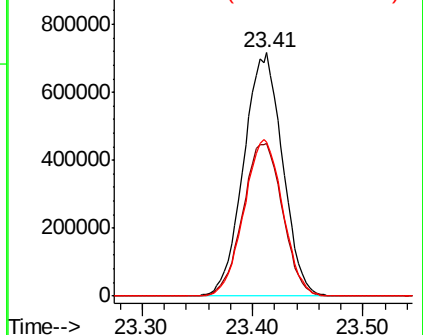
225 100

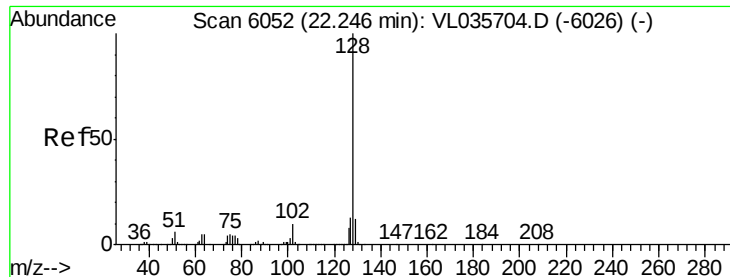
223 64.3 51.3 76.9

227 64.5 51.6 77.4



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: 7.934 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

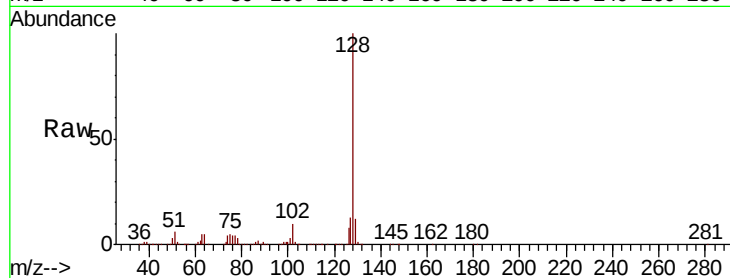
Tot Ion:128 Resp: 4787235

Ion Ratio Lower Upper

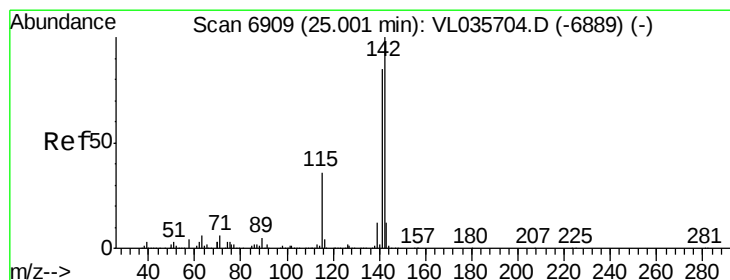
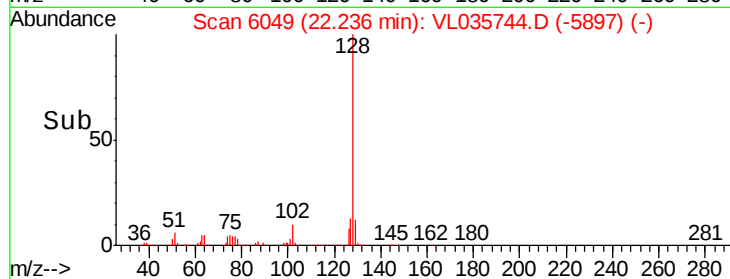
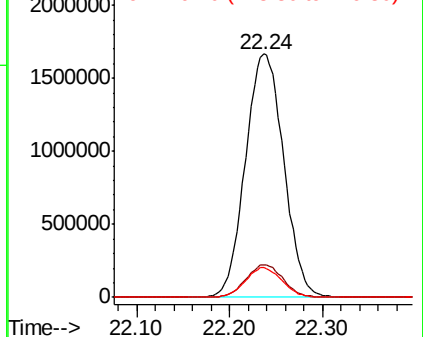
128 100

127 13.3 10.6 15.8

129 12.3 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: 8.616 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

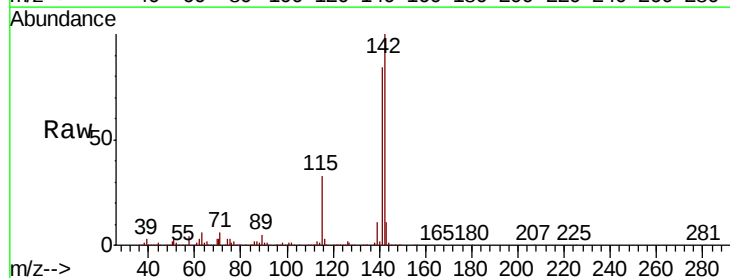
Tgt Ion:142 Resp: 1226249

Ion Ratio Lower Upper

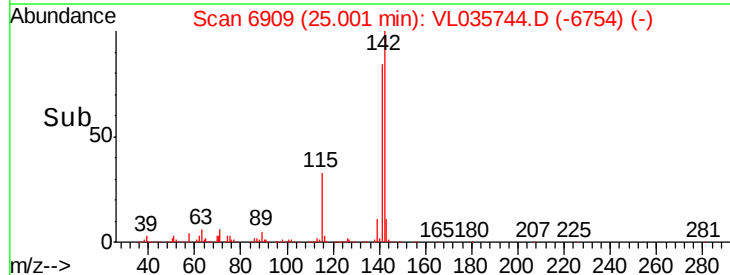
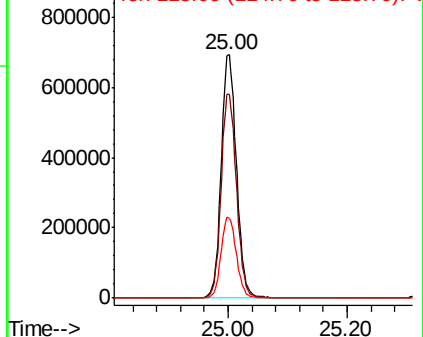
142 100

141 84.6 68.2 102.4

115 33.8 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: 8.008 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 2504121

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

184 30.8 24.6 37.0

