

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035166.D
 Acq On : 7 Jul 2020 6:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 07 07:03:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1032116	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2479522	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2459988	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1979335	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1315493	9.439	ppbv 100
3) Chlorodifluoromethane	2.94	51	1168445	10.248	ppbv 100
4) Chloromethane	3.09	50	676581	10.586	ppbv 100
5) Vinyl Chloride	3.21	62	662410	10.898	ppbv 98
6) Bromomethane	3.43	94	403017	10.678	ppbv 93
7) Chloroethane	3.51	64	252944	11.036	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1533375	10.261	ppbv 100
9) Propene	2.96	41	503222	11.146	ppbv 99
10) Heptane	8.12	43	1331264	11.378	ppbv 98
11) Trichlorofluoromethane	3.91	101	1555615	10.448	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1110482	10.786	ppbv 99
13) Ethanol	3.56	45	127067	7.450	ppbv 97
14) Bromoethene	3.70	108	500819	11.285	ppbv 98
15) Acetone	3.81	43	1222835	9.800	ppbv 99
16) 1,3-Butadiene	3.28	39	609430	11.135	ppbv 99
17) tert-Butyl alcohol	4.25	59	1329408	12.021	ppbv 100
18) 1,1-Dichloroethene	4.25	96	509478	10.972	ppbv 93
19) Isopropyl Alcohol	3.93	45	890808	10.994	ppbv # 98
20) Methylene Chloride	4.31	84	458614	9.081	ppbv 95
21) Allyl Chloride	4.38	41	876329	11.817	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	504713	11.618	ppbv 94
23) Vinyl Acetate	5.05	43	1818934	12.009	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1348361	10.559	ppbv 100
25) Ethyl Acetate	5.65	43	2353758	10.452	ppbv 100
26) Hexane	5.67	57	1049164	10.333	ppbv 99
27) Carbon Disulfide	4.52	76	1426813	13.579	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1660891	11.642	ppbv 99
29) Chloroform	5.74	83	1616093	10.171	ppbv 99
30) Cyclohexane	7.12	84	863966	11.856	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1056836	11.292	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	1589743	10.787	ppbv 100
34) 2-Butanone	5.22	43	1504397	10.565	ppbv 100
35) Carbon Tetrachloride	7.01	117	1623602	10.918	ppbv 99
36) Benzene	6.89	78	2070383	10.783	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1253182	10.327	ppbv 99
38) Trichloroethene	7.83	130	782798	10.497	ppbv 97
39) 1,2-Dichloropropane	7.61	63	812375	10.818	ppbv 97
40) 1,4-Dioxane	7.83	88	292848	9.887	ppbv # 97
41) Tetrahydrofuran	6.03	42	837555	11.516	ppbv 98
42) Bromodichloromethane	7.79	83	1735372	11.042	ppbv 99
43) Methyl Methacrylate	8.01	69	935478	11.511	ppbv 100

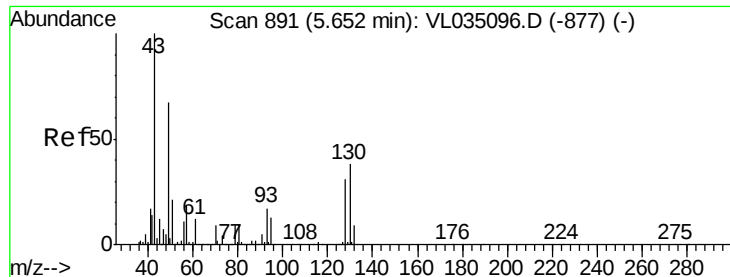
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035166.D
 Acq On : 7 Jul 2020 6:32
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Instrument :
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Quant Time: Jul 07 07:03:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3503534	10.455	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1042317	13.179	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1241778	12.638	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	845748	10.319	ppbv	98
48) Dibromochloromethane	10.32	129	1426789	11.677	ppbv	99
49) Bromoform	13.06	173	1191322	11.478	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2191581	10.833	ppbv	100
51) 2-Hexanone	10.14	43	1758462	11.099	ppbv #	100
52) Tetrachloroethene	11.24	164	727077	10.747	ppbv	90
53) Toluene	9.82	91	2384519	11.643	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1270288	10.468	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	557603	5.539	ppbv #	50
57) Chlorobenzene	12.17	112	1753437	9.687	ppbv	98
58) Ethyl Benzene	12.73	91	3122827	11.298	ppbv	98
59) m/p-Xylene	13.02	91	2862333	11.685	ppbv #	45
60) o-Xylene	13.72	91	2533679	10.390	ppbv	99
61) Styrene	13.55	104	1777837	11.585	ppbv	100
62) Isopropylbenzene	14.69	105	3727345	10.243	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1719421	8.705	ppbv	100
64) n-propylbenzene	15.59	120	976235	10.512	ppbv	98
65) tert-Butylbenzene	16.77	119	1829787	5.872	ppbv #	37
66) Benzyl Chloride	17.02	91	1264434	13.136	ppbv	100
67) sec-Butylbenzene	17.32	105	4598600	10.296	ppbv	99
69) p-Isopropyltoluene	17.68	119	3818266	10.718	ppbv	99
70) n-Butylbenzene	18.58	91	4090533	10.660	ppbv	99
71) 2-Chlorotoluene	15.48	91	2863146	10.409	ppbv	99
72) 4-Ethyltoluene	15.87	105	2960376	10.913	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2762855	10.774	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	2875349	10.046	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	1652251	9.674	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1652367	10.113	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1617102	10.347	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1626830	11.580	ppbv	97
79) Naphthalene	22.25	128	3486279	13.894	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1355221	14.125	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1834942	12.676	ppbv	99

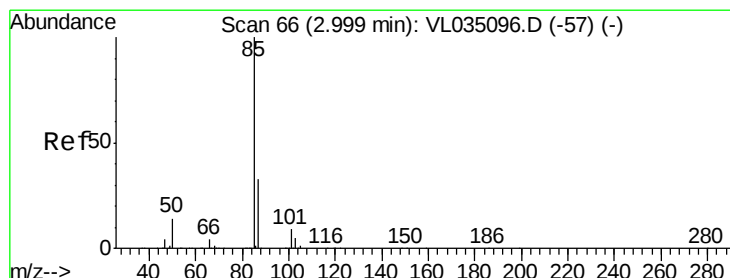
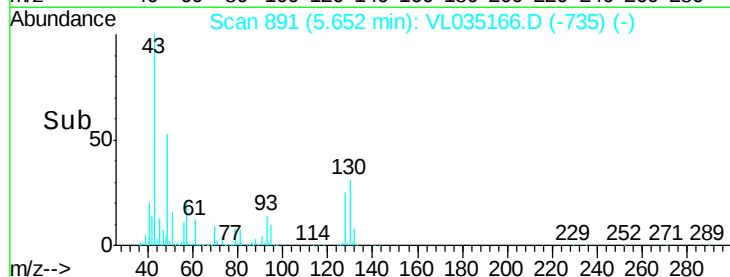
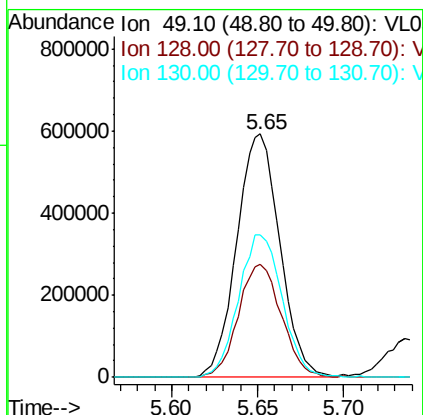
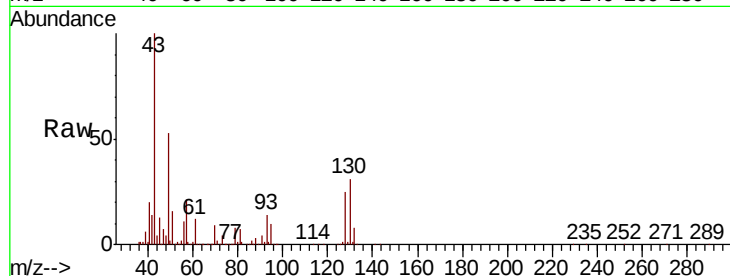
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

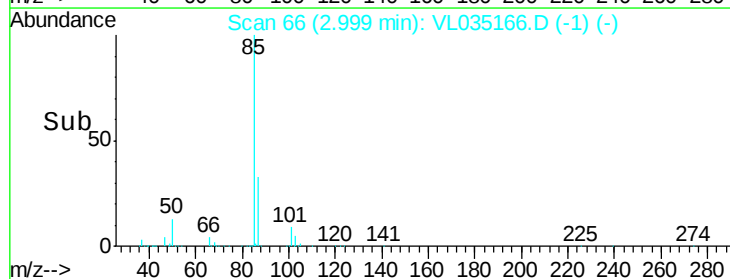
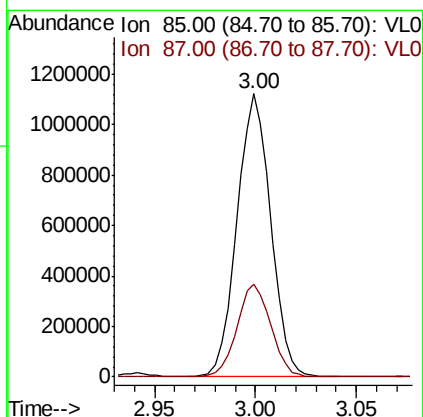
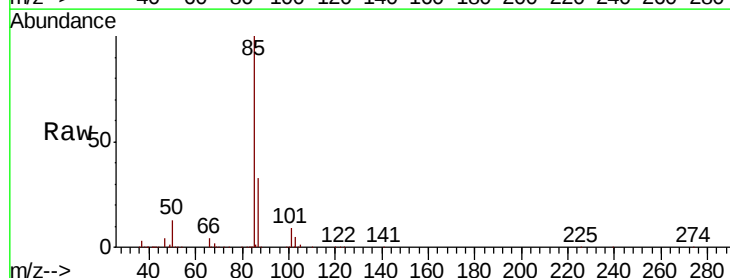
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

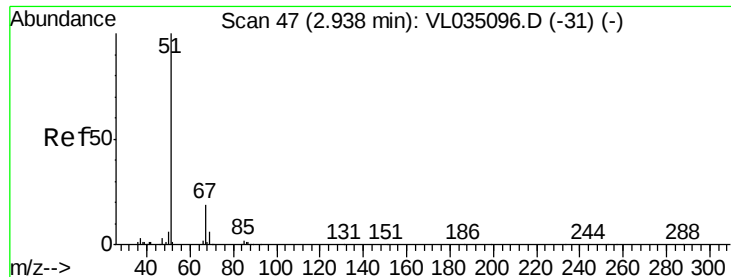
Tot Ion: 49 Resp: 1032116
 Ion Ratio Lower Upper
 49 100
 128 46.7 22.9 68.5
 130 59.7 29.0 87.0



#2
 Dichlorodifluoromethane
 Concen: 9.439 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 85 Resp: 1315493
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.1 39.1

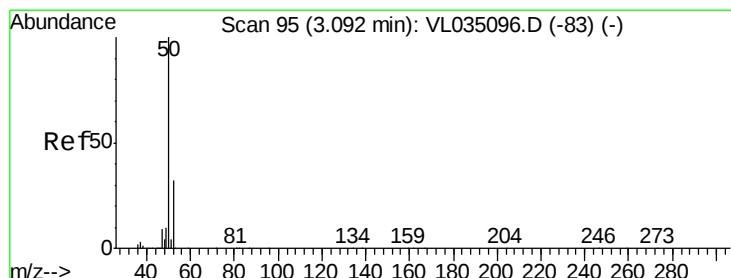
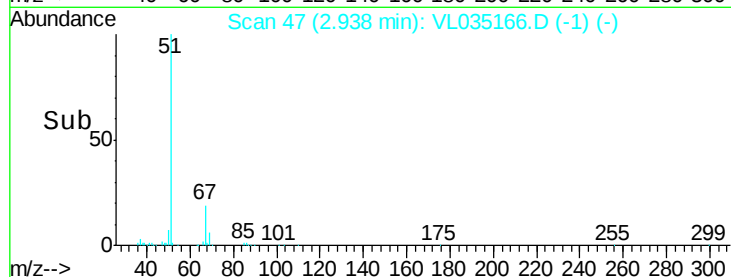
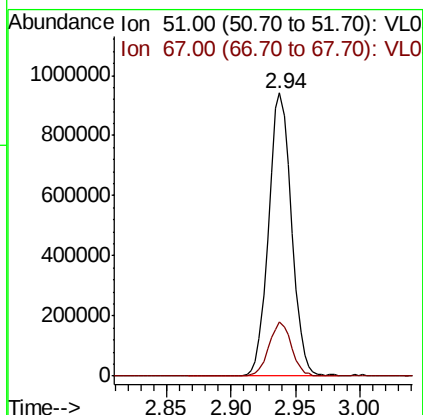
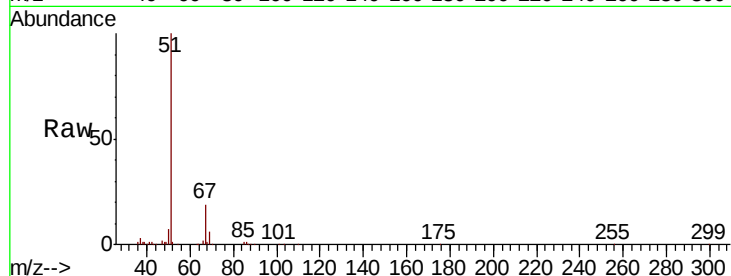




#3
 Chlorodifluoromethane
 Concen: 10.248 ppbv
 RT: 2.94 min Scan# 47
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

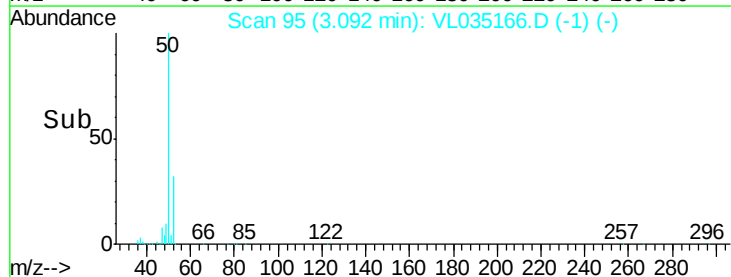
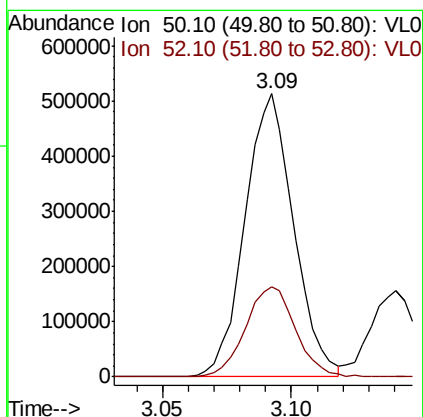
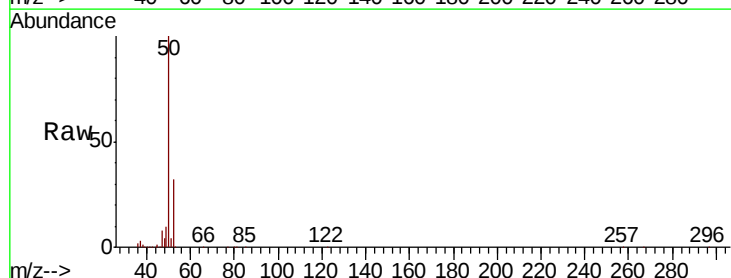
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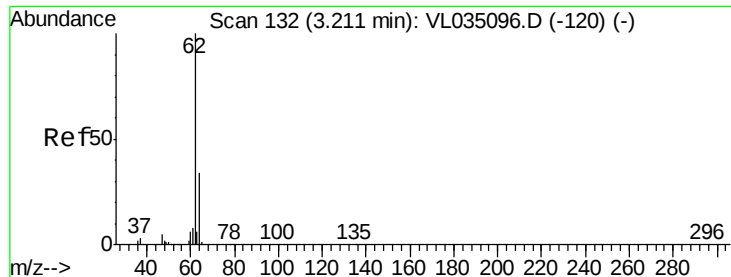
Tot Ion: 51 Resp: 1168445
 Ion Ratio Lower Upper
 51 100
 67 19.0 15.2 22.8



#4
 Chloromethane
 Concen: 10.586 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 50 Resp: 676581
 Ion Ratio Lower Upper
 50 100
 52 31.9 25.4 38.0





#5

Vinyl Chloride

Concen: 10.898 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

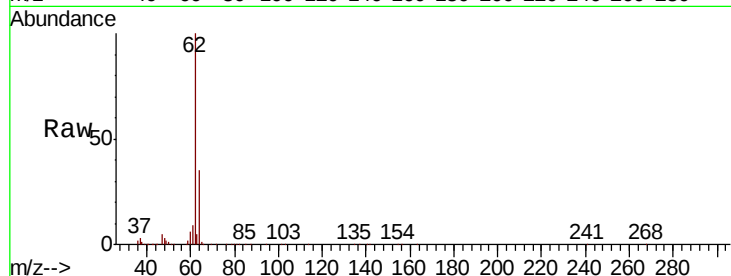
VSTDCCC010EC

Tot Ion: 62 Resp: 662410

Ion Ratio Lower Upper

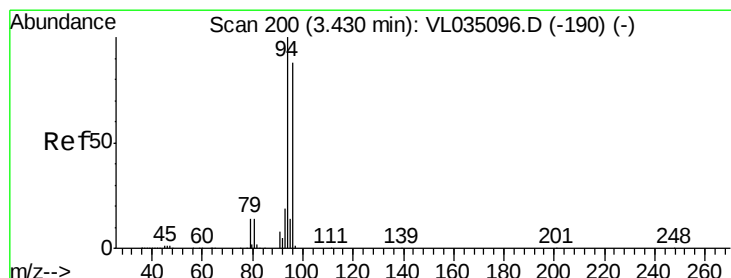
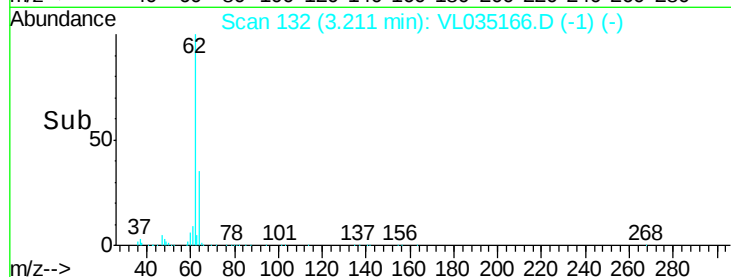
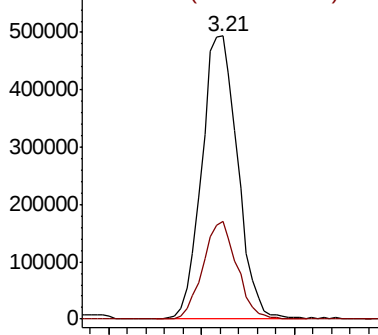
62 100

64 34.6 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.678 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035166.D

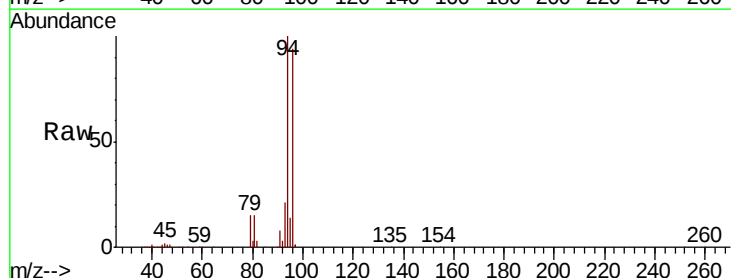
Acq: 7 Jul 2020 6:32

Tgt Ion: 94 Resp: 403017

Ion Ratio Lower Upper

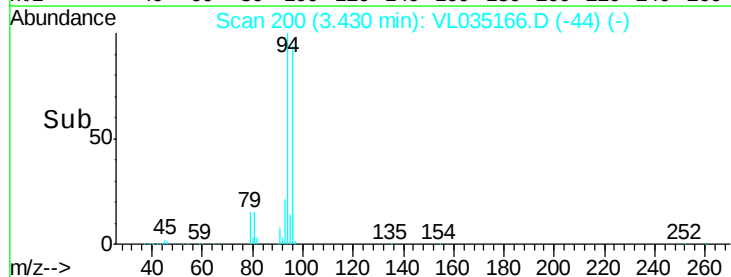
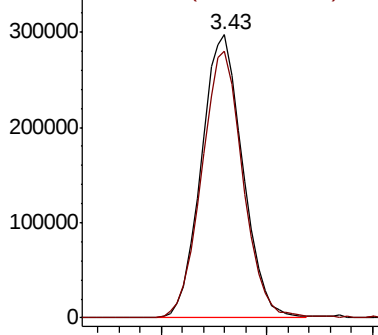
94 100

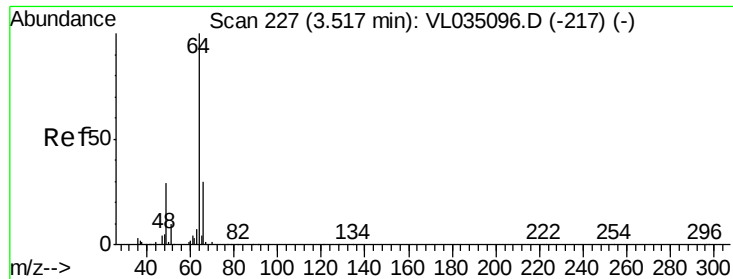
96 94.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.036 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

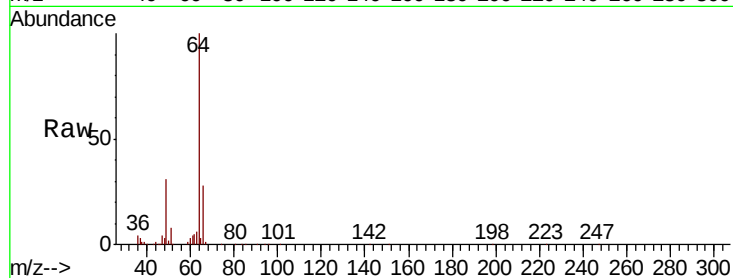
VSTDCCC010EC

Tot Ion: 64 Resp: 252944

Ion Ratio Lower Upper

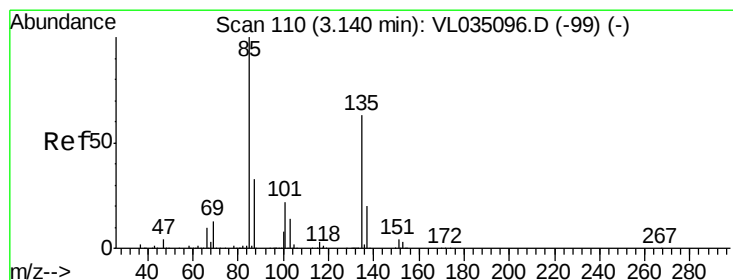
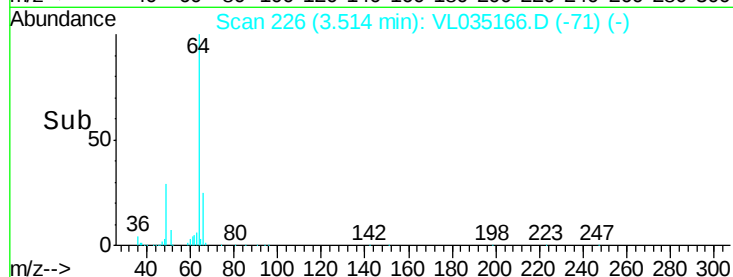
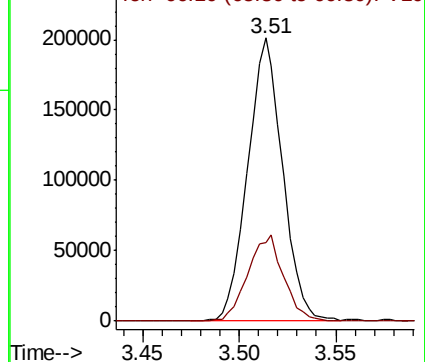
64 100

66 27.7 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.261 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035166.D

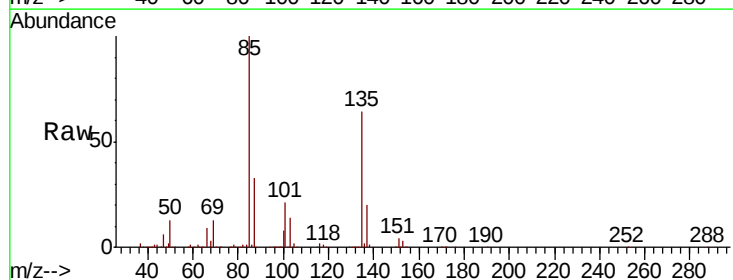
Acq: 7 Jul 2020 6:32

Tgt Ion: 85 Resp: 1533375

Ion Ratio Lower Upper

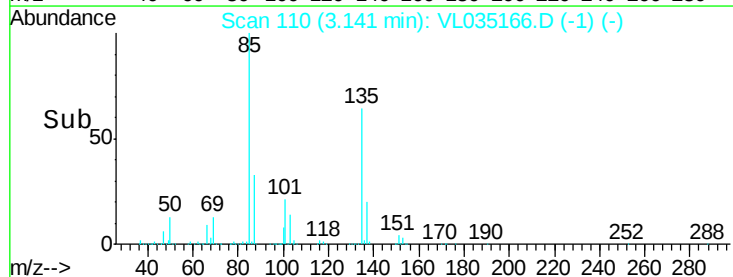
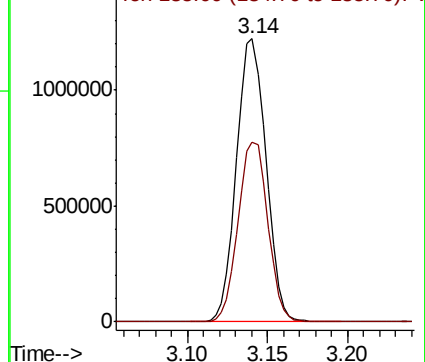
85 100

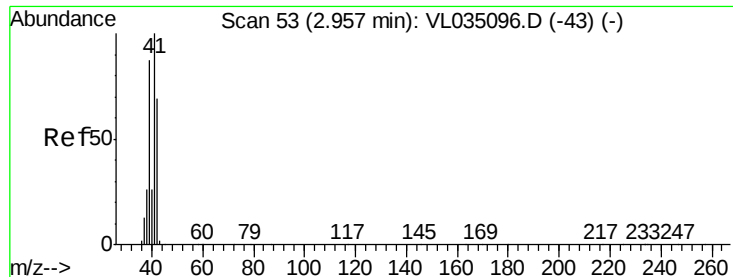
135 64.1 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.146 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

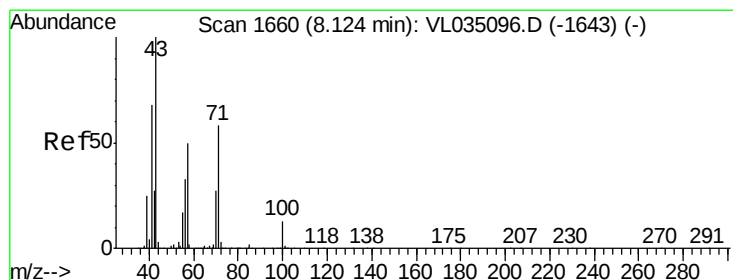
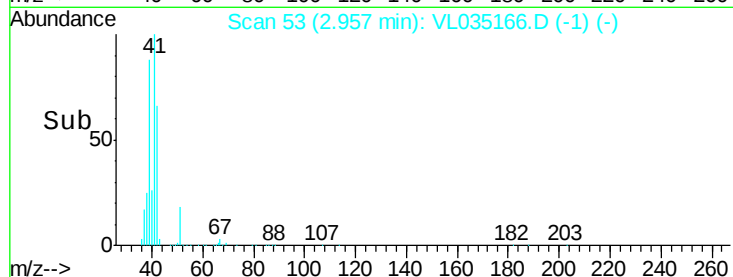
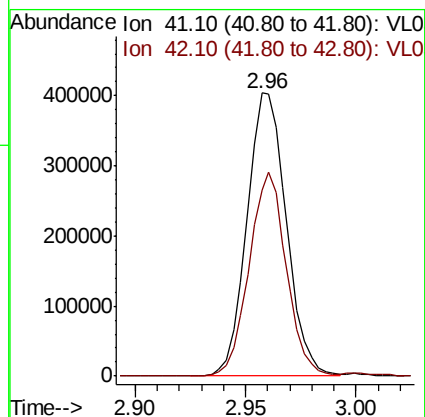
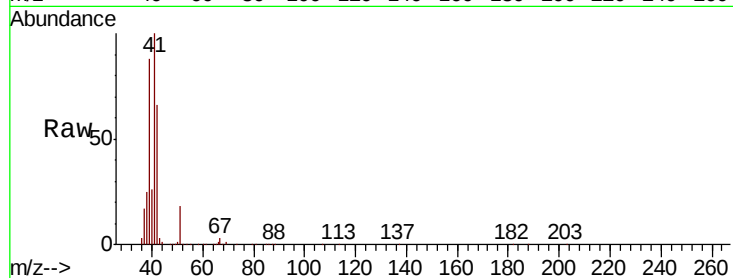
VSTDCCC010EC

Tot Ion: 41 Resp: 503222

Ion Ratio Lower Upper

41 100

42 69.1 55.8 83.6



#10

Heptane

Concen: 11.378 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035166.D

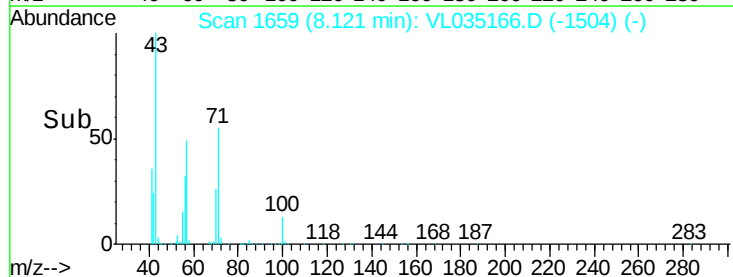
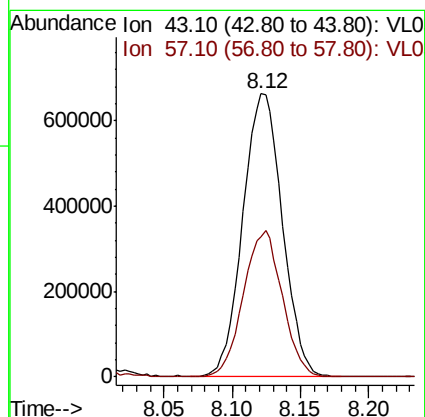
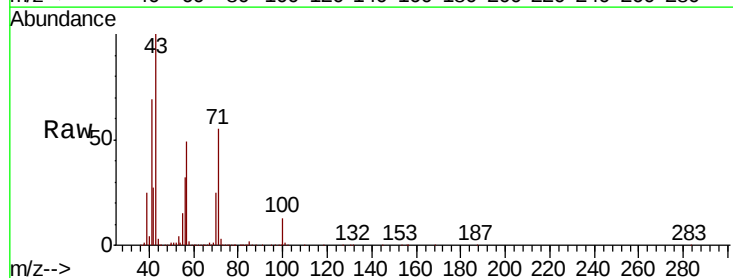
Acq: 7 Jul 2020 6:32

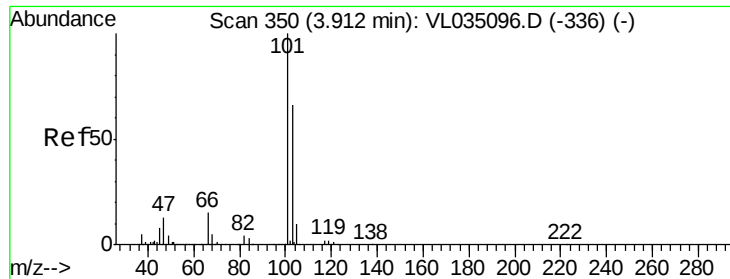
Tgt Ion: 43 Resp: 1331264

Ion Ratio Lower Upper

43 100

57 50.8 41.9 62.9

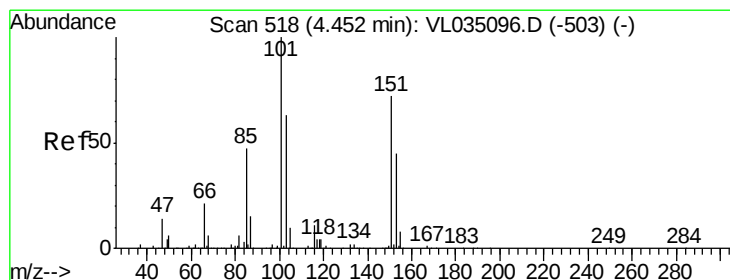
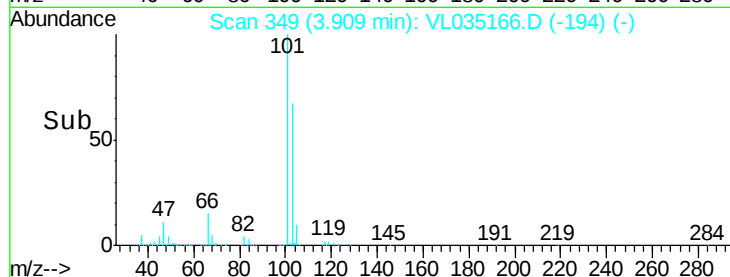
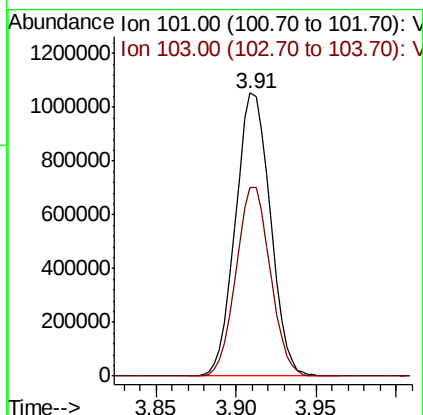
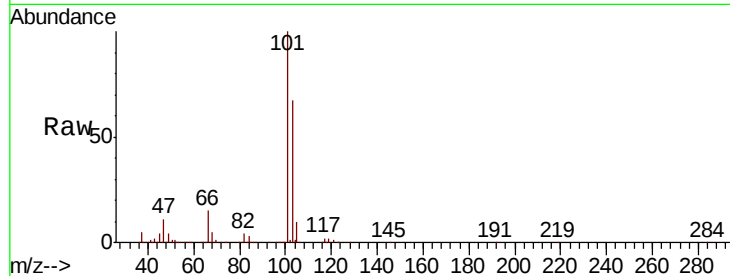




#11
 Trichlorofluoromethane
 Concen: 10.448 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

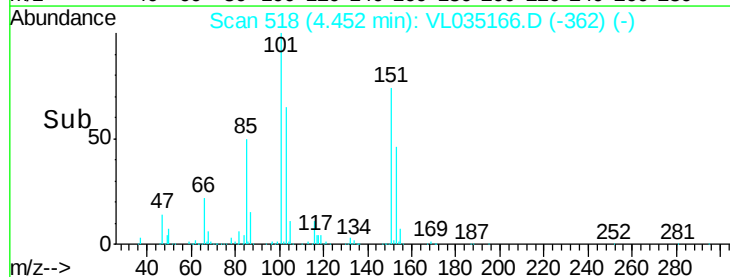
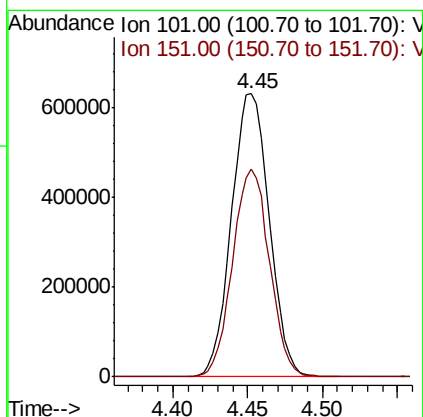
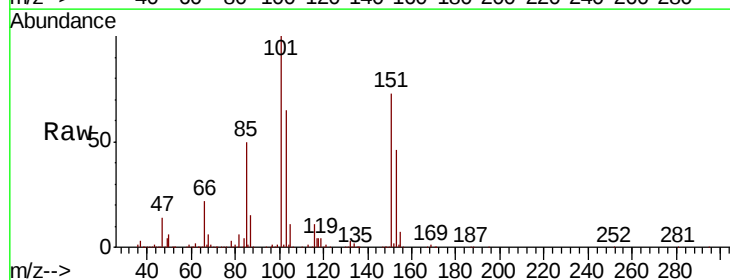
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

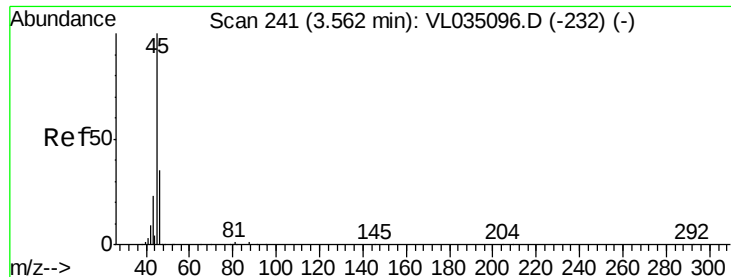
Tot Ion:101 Resp: 1555615
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.786 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion:101 Resp: 1110482
 Ion Ratio Lower Upper
 101 100
 151 71.7 56.6 85.0





#13

Ethanol

Concen: 7.450 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

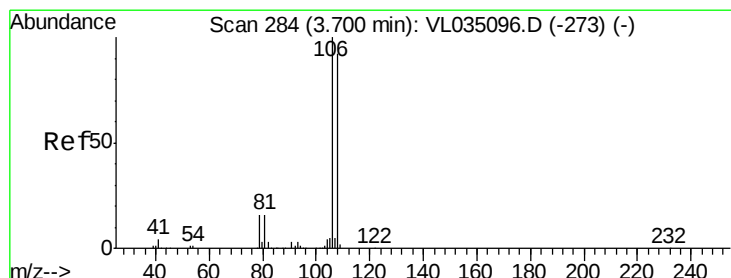
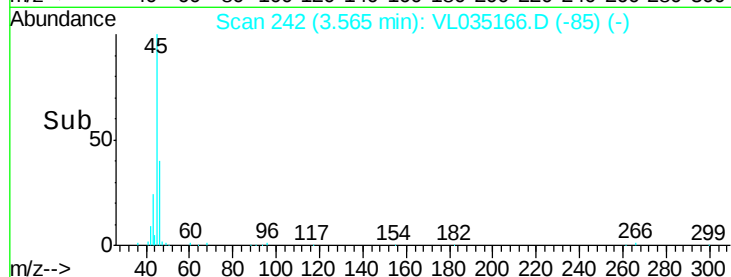
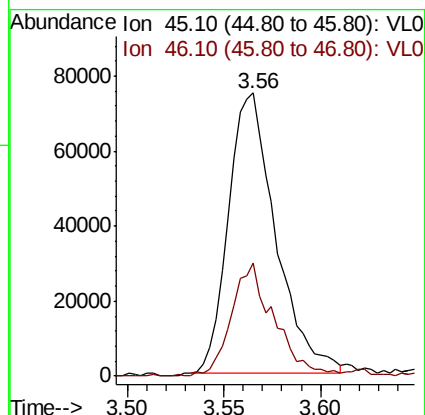
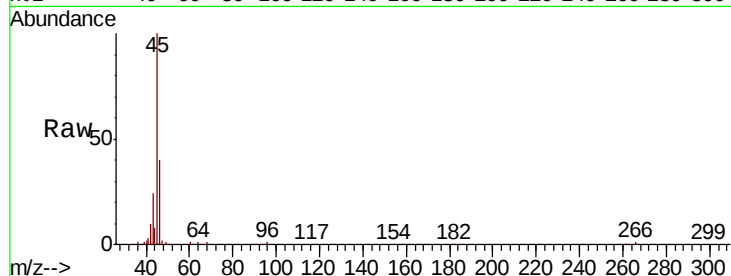
VSTDCCC010EC

Tot Ion: 45 Resp: 127067

Ion Ratio Lower Upper

45 100

46 37.5 14.2 57.0



#14

Bromoethene

Concen: 11.285 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

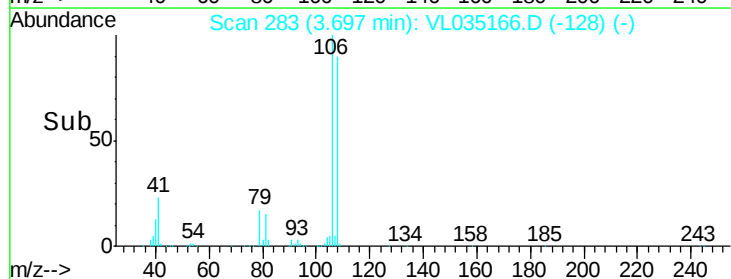
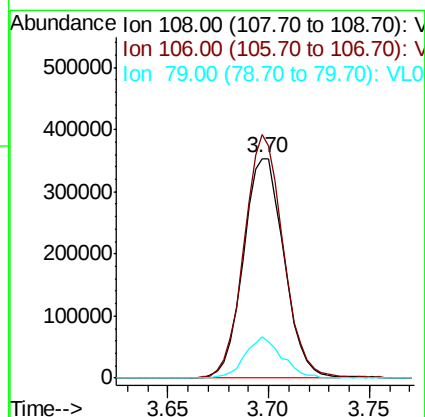
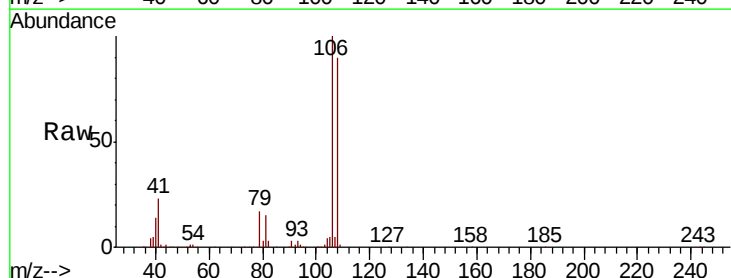
Tgt Ion: 108 Resp: 500819

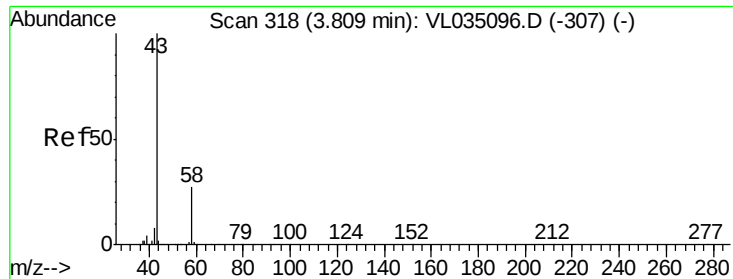
Ion Ratio Lower Upper

108 100

106 107.5 84.4 126.6

79 17.2 14.2 21.2

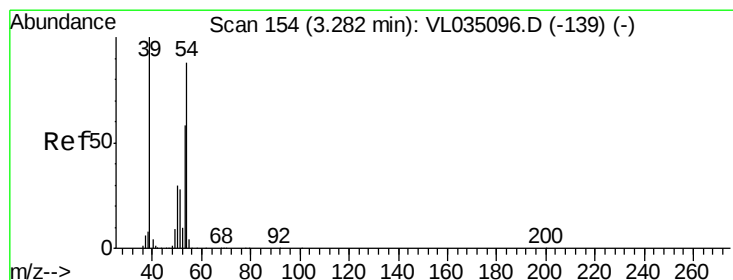
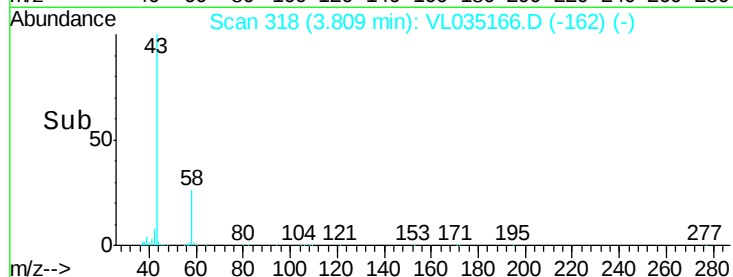
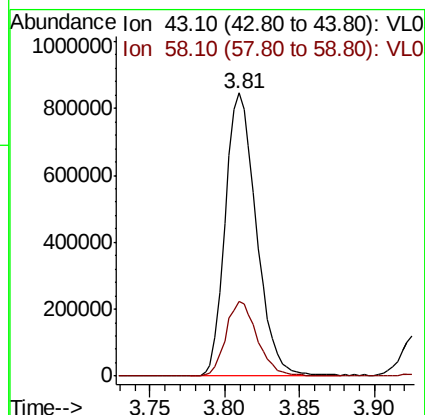
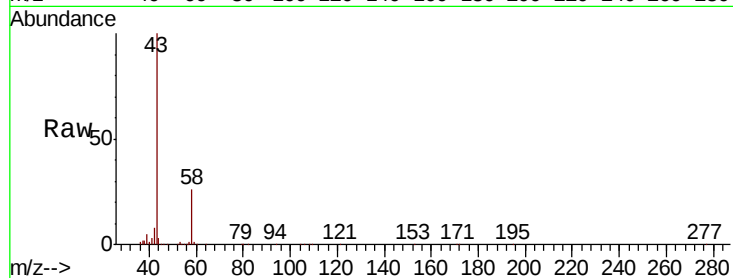




#15
Acetone
Concen: 9.800 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

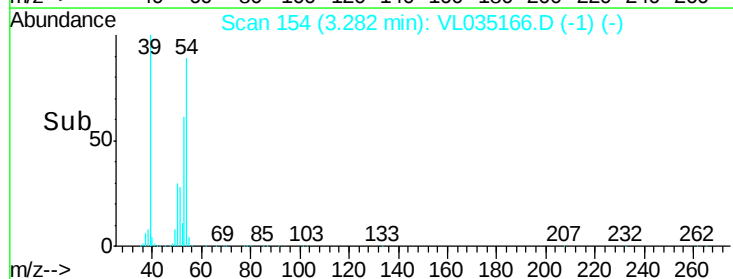
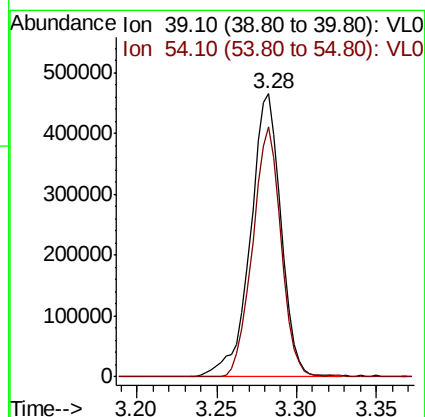
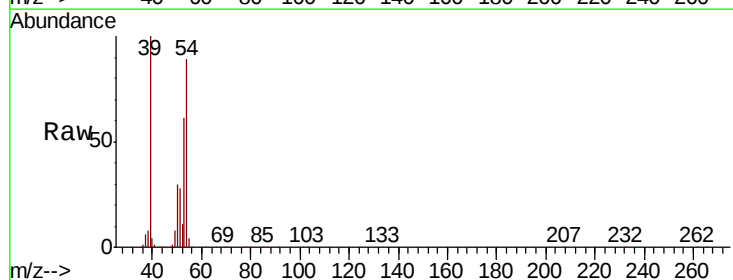
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

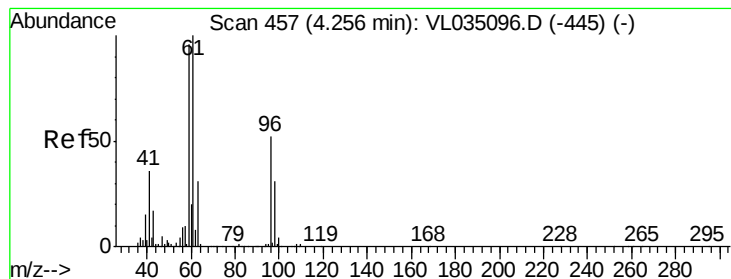
Tot Ion: 43 Resp: 1222835
Ion Ratio Lower Upper
43 100
58 26.9 21.8 32.6



#16
1,3-Butadiene
Concen: 11.135 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 39 Resp: 609430
Ion Ratio Lower Upper
39 100
54 82.7 67.0 100.4





#17

tert-Butyl alcohol

Concen: 12.021 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

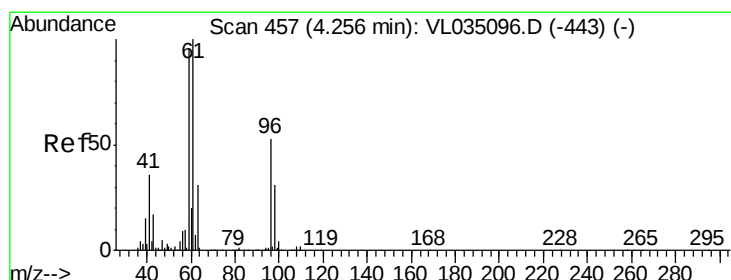
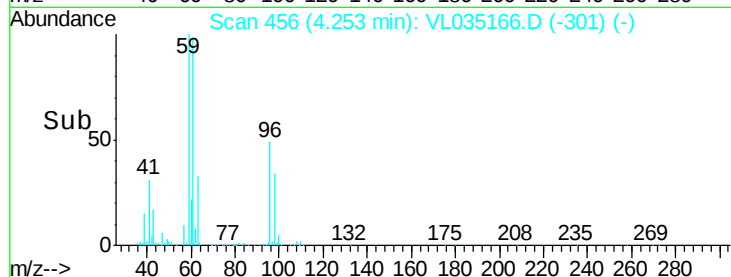
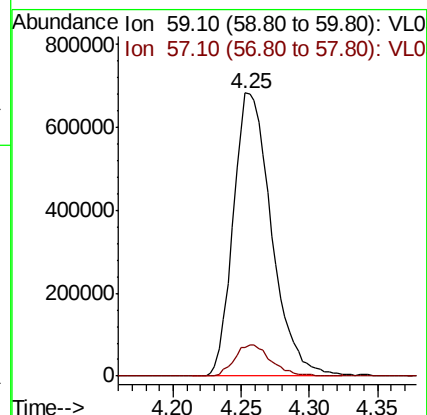
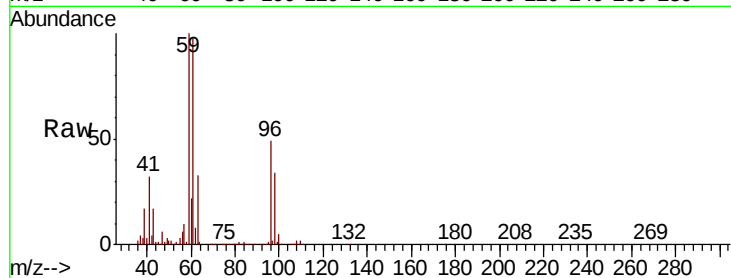
VSTDCCC010EC

Tot Ion: 59 Resp: 1329408

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.972 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

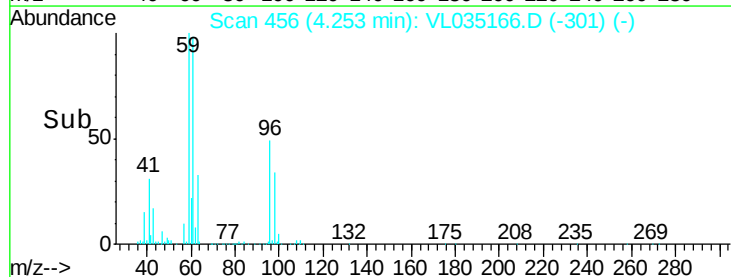
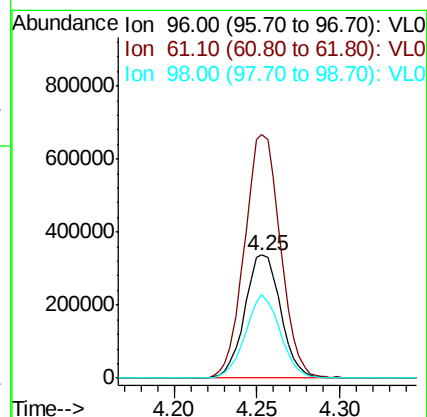
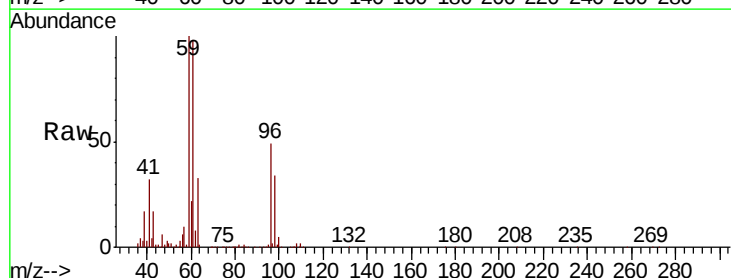
Tgt Ion: 96 Resp: 509478

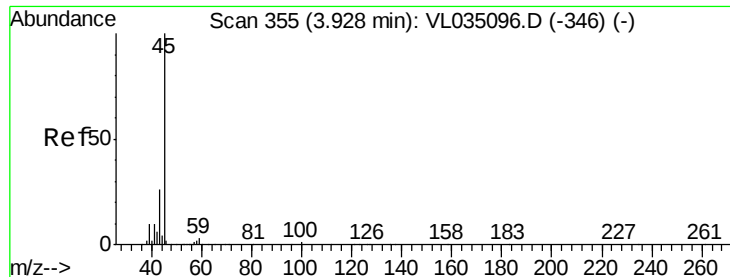
Ion Ratio Lower Upper

96 100

61 198.2 152.2 228.4

98 68.3 47.7 71.5



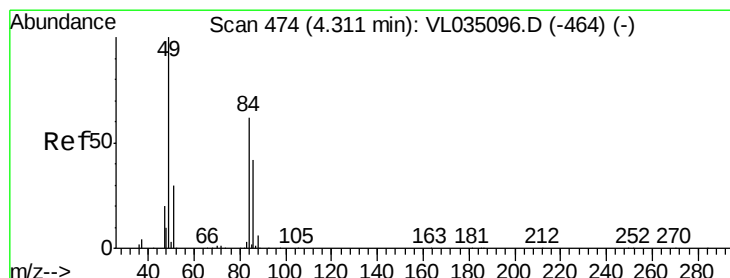
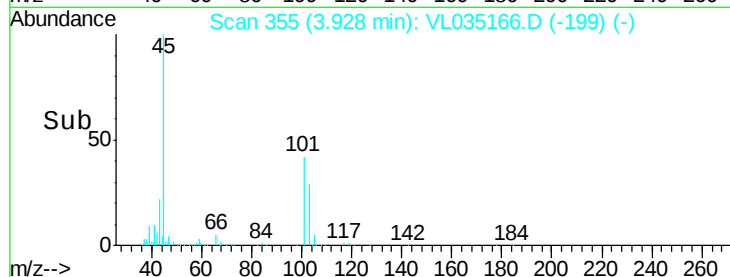
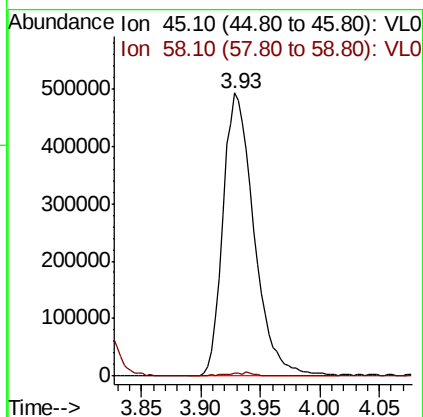
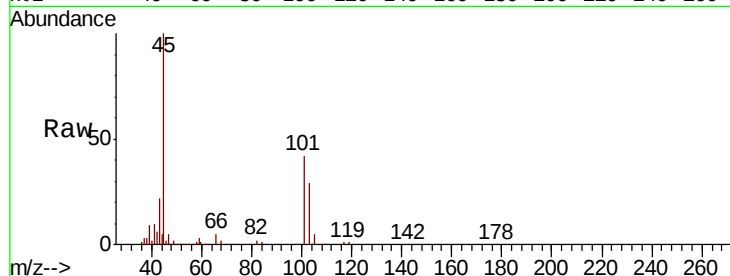


#19

Isopropyl Alcohol
 Concen: 10.994 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

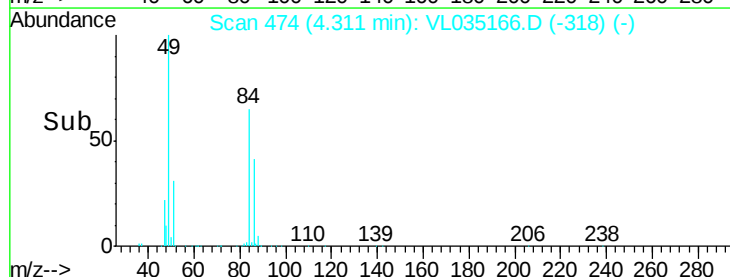
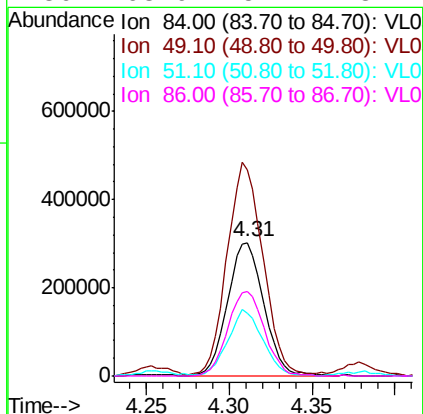
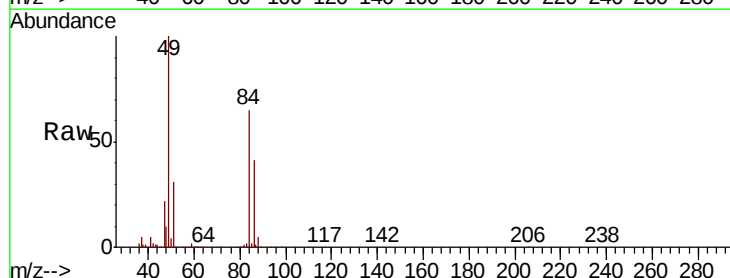
Tot Ion: 45 Resp: 890808
 Ion Ratio Lower Upper
 45 100
 58 1.5 1.8 2.8#

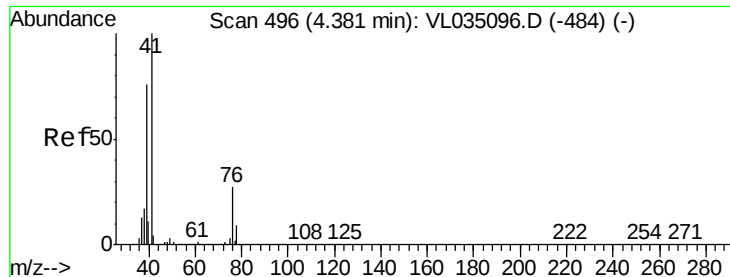


#20

Methylene Chloride
 Concen: 9.081 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 84 Resp: 458614
 Ion Ratio Lower Upper
 84 100
 49 153.4 128.8 193.2
 51 45.8 38.7 58.1
 86 63.9 54.1 81.1

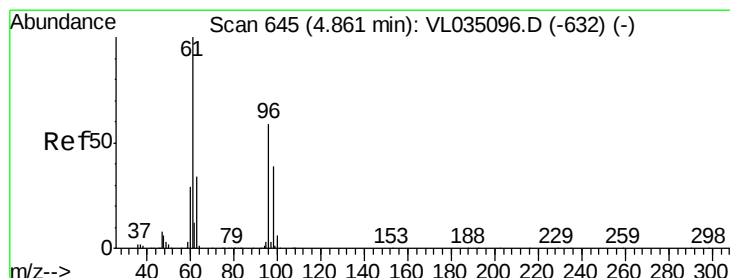
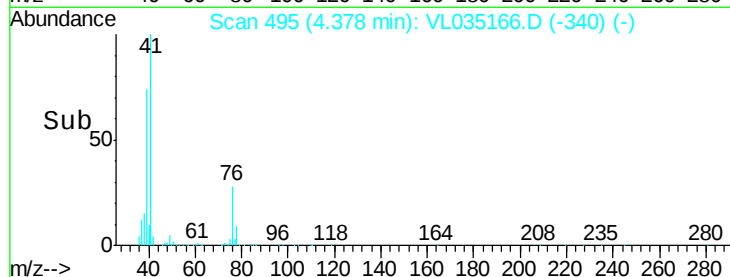
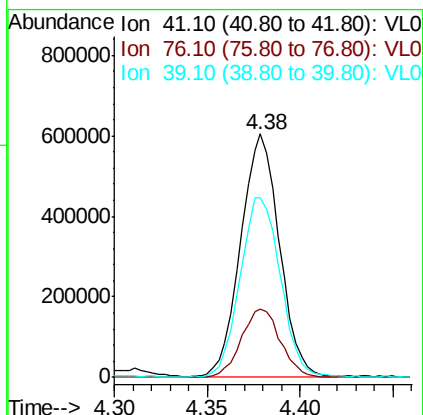
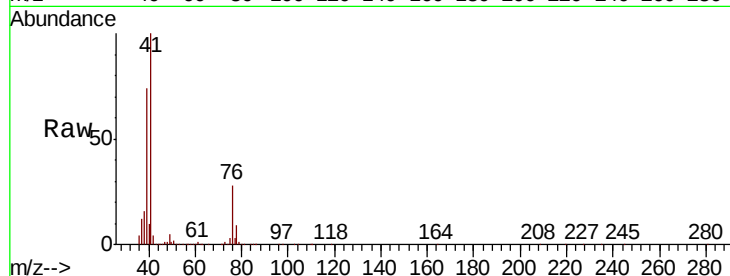




#21
Allvl Chloride
Concen: 11.817 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

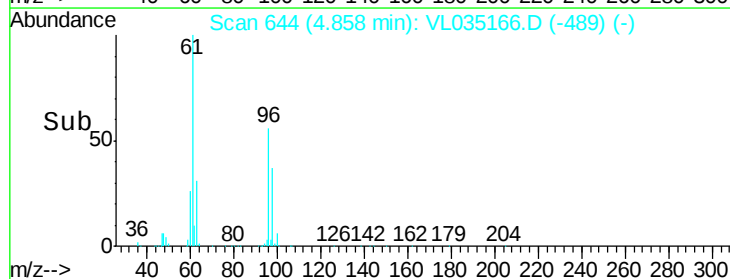
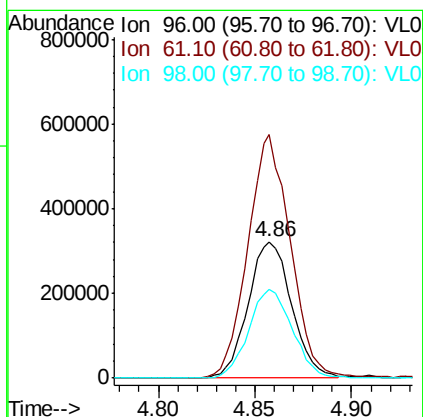
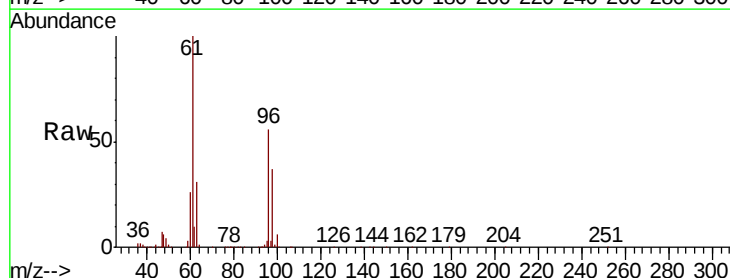
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

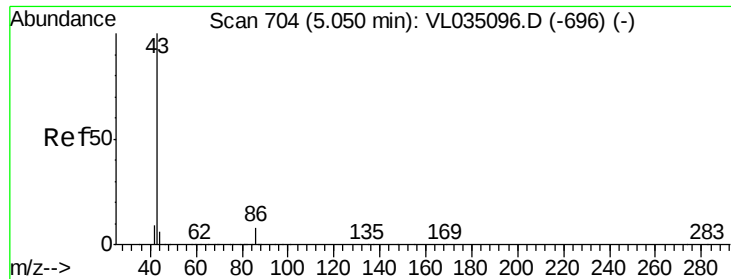
Tot Ion: 41 Resp: 876329
Ion Ratio Lower Upper
41 100
76 28.6 22.6 34.0
39 77.2 61.6 92.4



#22
trans-1,2-Dichloroethene
Concen: 11.618 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 96 Resp: 504713
Ion Ratio Lower Upper
96 100
61 178.6 134.5 201.7
98 65.2 52.6 79.0





#23

Vinyl Acetate

Concen: 12.009 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1818934

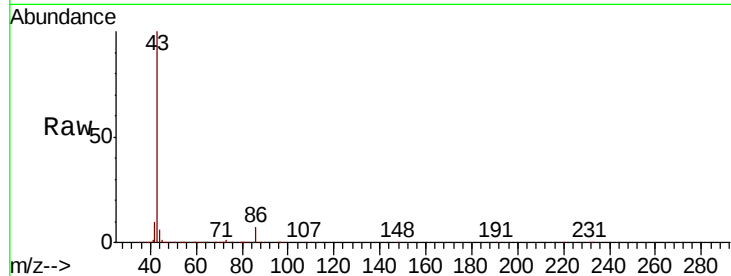
Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.2	9.2
42	9.8	8.1	12.1
44	5.4	4.6	7.0

43 100

86 7.3 6.2 9.2

42 9.8 8.1 12.1

44 5.4 4.6 7.0



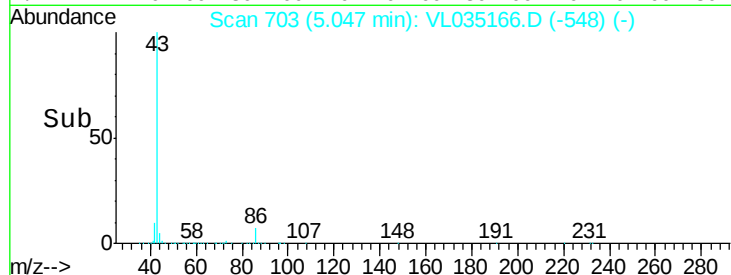
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



Time-->

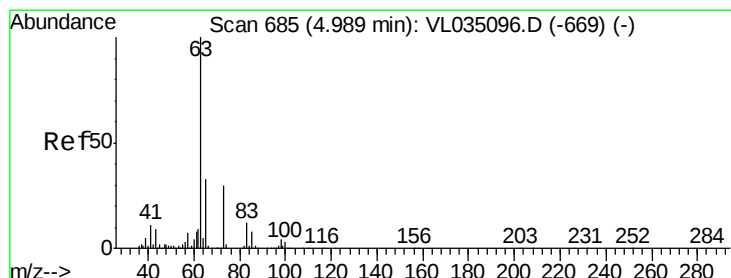
5.05

1000000

500000

0

5.00 5.05 5.10



#24

1,1-Dichloroethane

Concen: 10.559 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

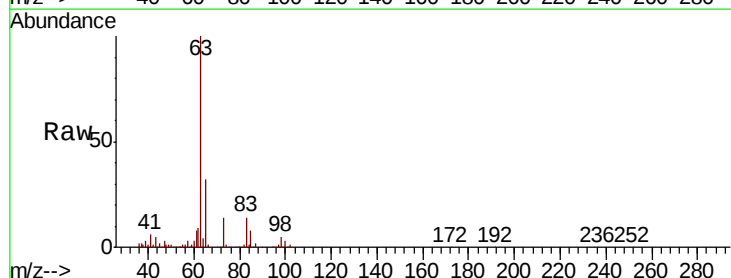
Tgt Ion: 63 Resp: 1348361

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.9
100	2.6	1.4	4.0

63 100

98 4.7 2.3 6.9

100 2.6 1.4 4.0

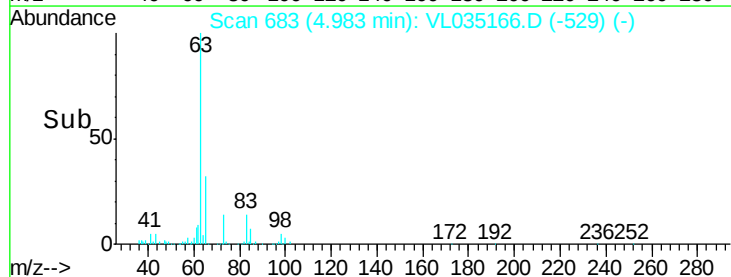


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



Time-->

4.98

1000000

800000

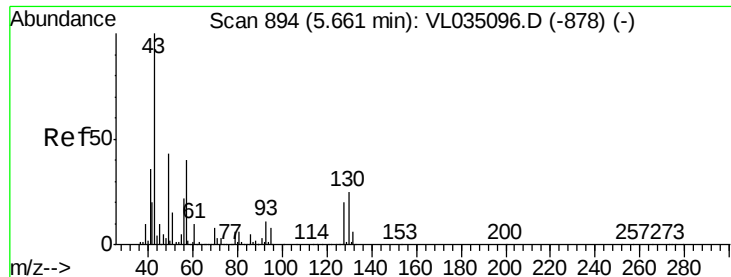
600000

400000

200000

0

4.90 4.95 5.00 5.05



#25

Ethyl Acetate

Concen: 10.452 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2353758

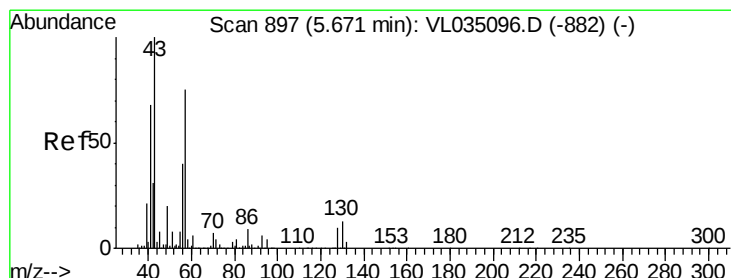
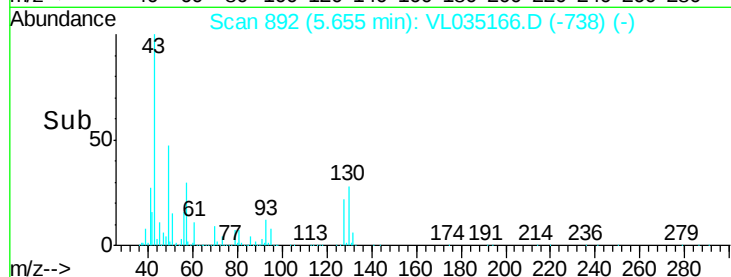
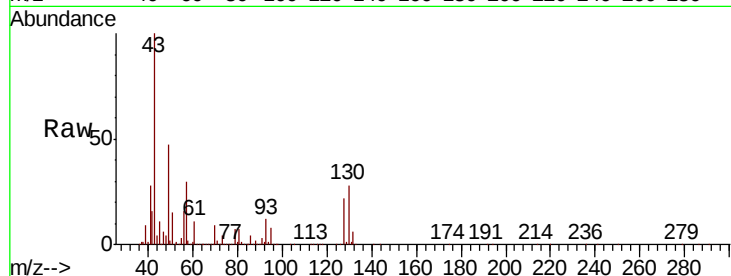
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.8	8.0	12.0
70	7.7	6.3	9.5

Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.333 ppbv

RT: 5.67 min Scan# 896

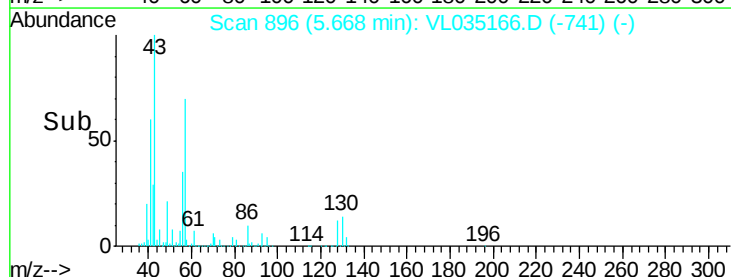
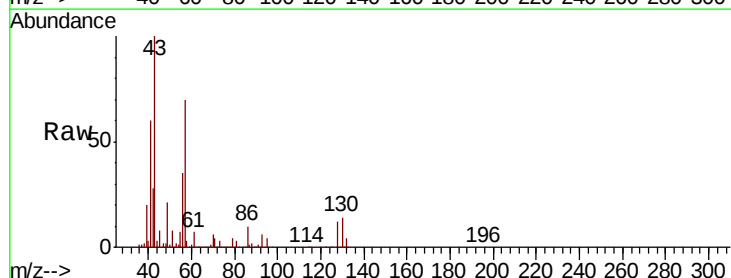
Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion: 57 Resp: 1049164

Ion	Ratio	Lower	Upper
57	100		
41	90.1	72.9	109.3
43	225.7	181.3	271.9
56	52.6	43.1	64.7

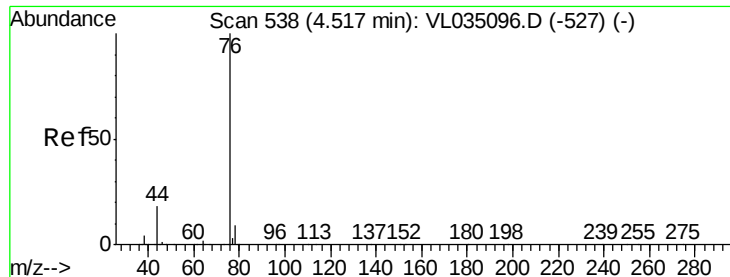


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 13.579 ppbv

RT: 4.52 min Scan# 538

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

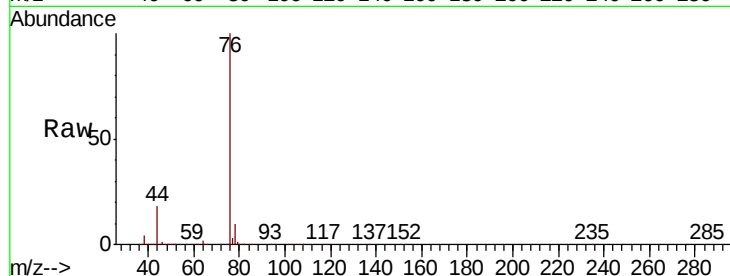
Tot Ion: 76 Resp: 1426813

Ion Ratio Lower Upper

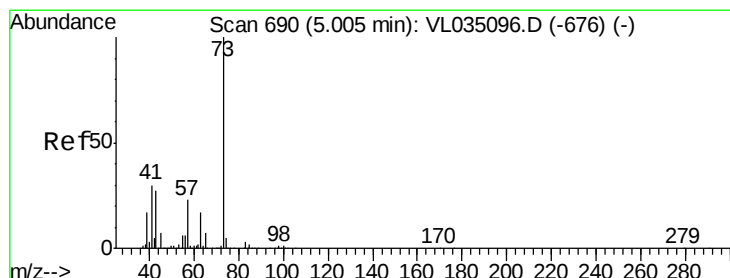
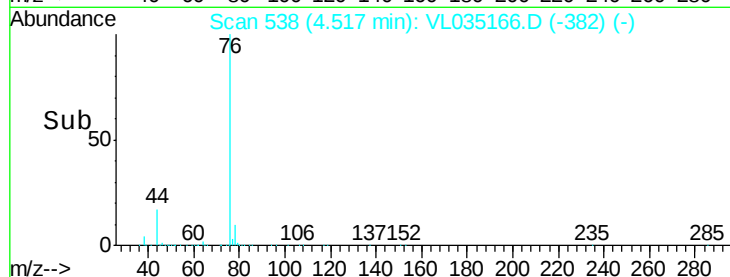
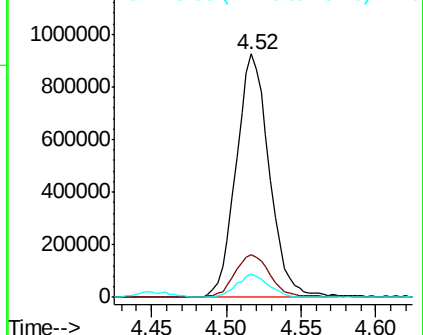
76 100

44 18.7 15.8 23.8

78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.642 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035166.D

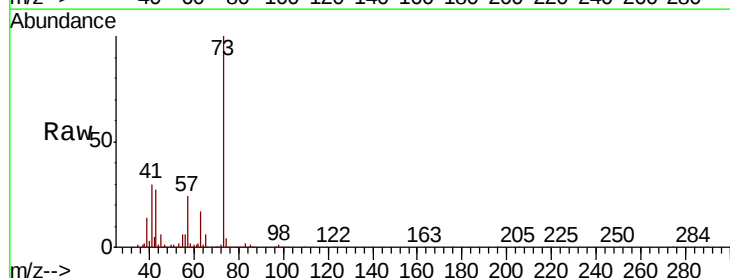
Acq: 7 Jul 2020 6:32

Tgt Ion: 73 Resp: 1660891

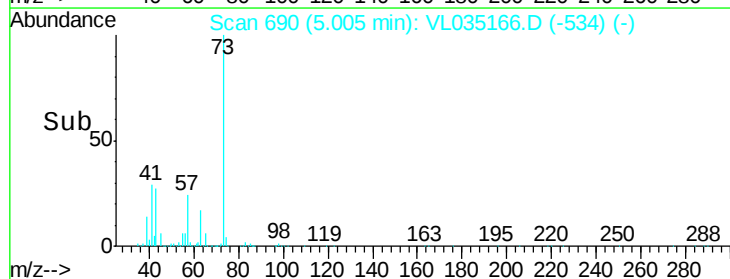
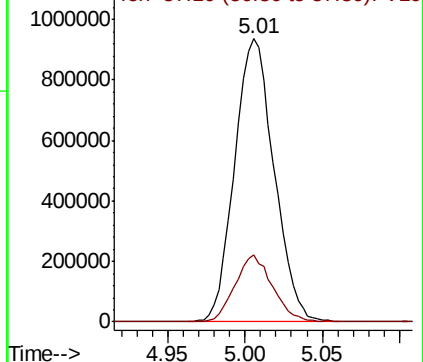
Ion Ratio Lower Upper

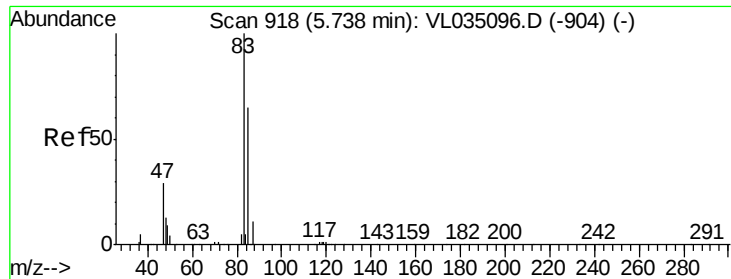
73 100

57 22.5 18.5 27.7



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

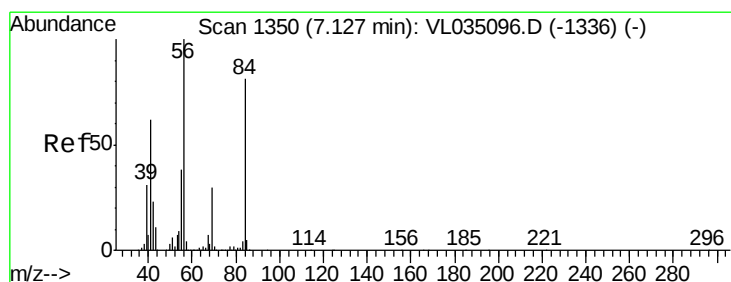
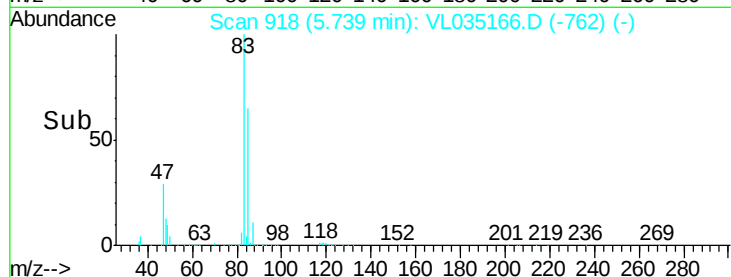
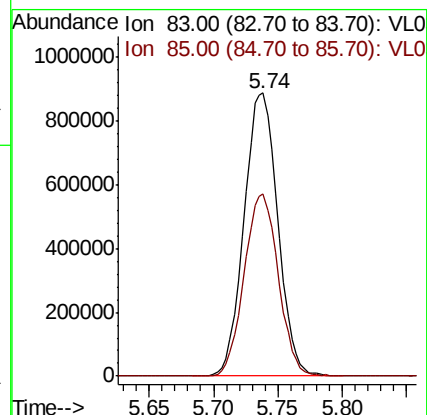
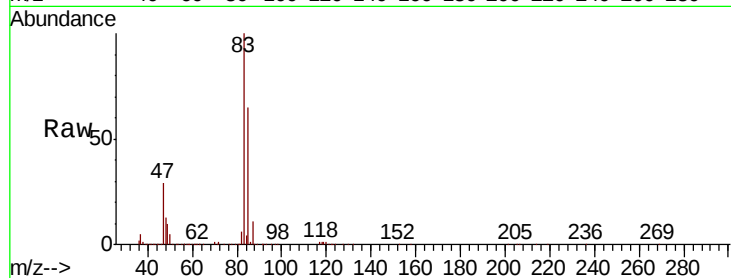




#29
Chloroform
Concen: 10.171 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

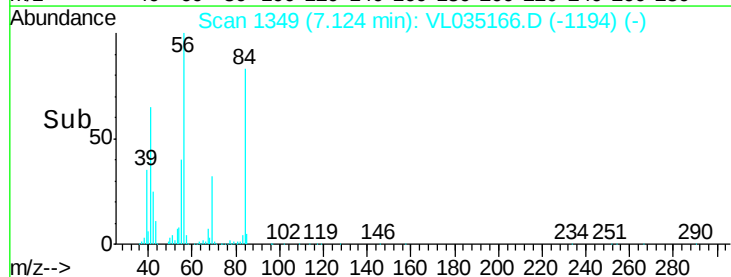
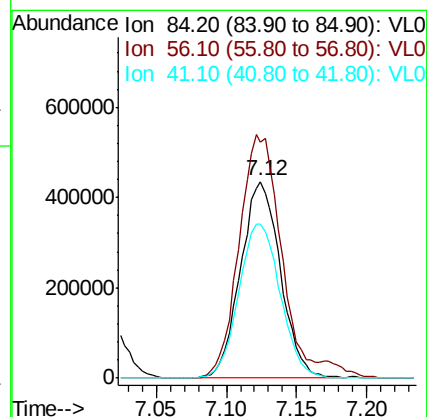
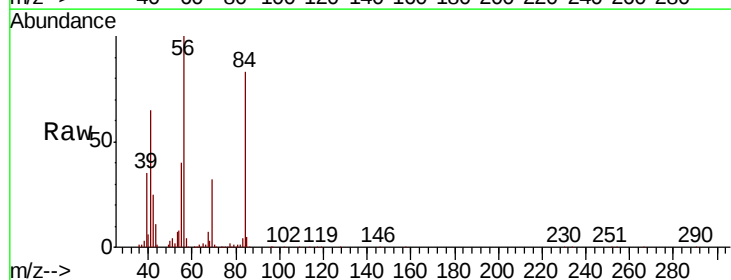
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

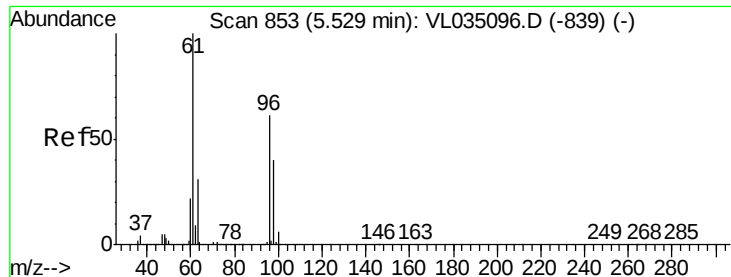
Tot Ion: 83 Resp: 1616093
Ion Ratio Lower Upper
83 100
85 64.4 52.1 78.1



#30
Cyclohexane
Concen: 11.856 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 84 Resp: 863966
Ion Ratio Lower Upper
84 100
56 134.1 108.0 162.0
41 81.7 65.6 98.4



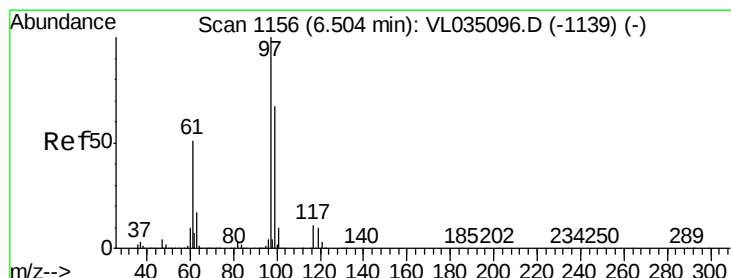
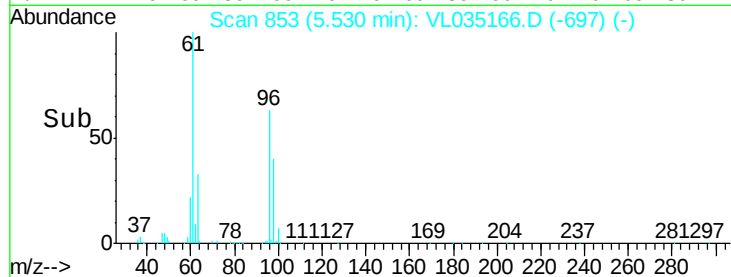
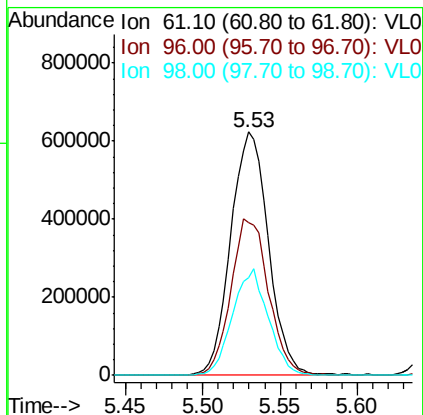
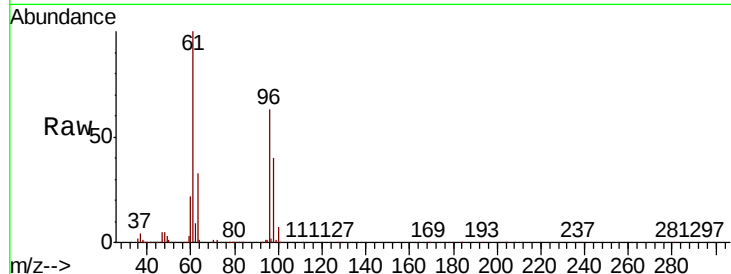


#31

cis-1,2-Dichloroethene
 Concen: 11.292 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

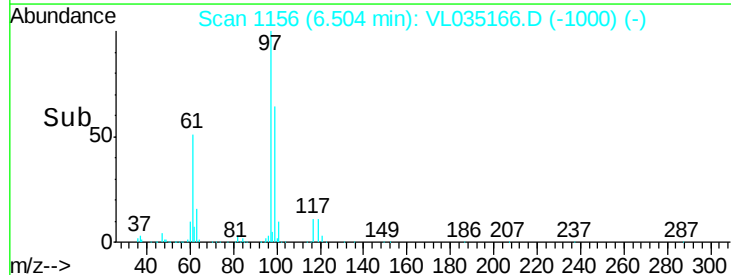
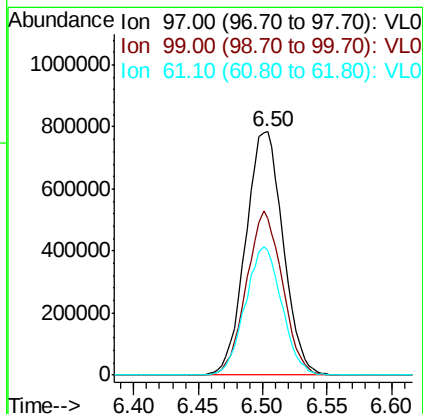
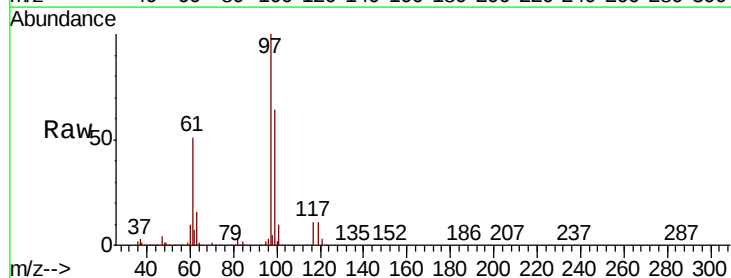
Tot Ion: 61 Resp: 1056836
 Ion Ratio Lower Upper
 61 100
 96 62.8 48.8 73.2
 98 39.9 31.9 47.9

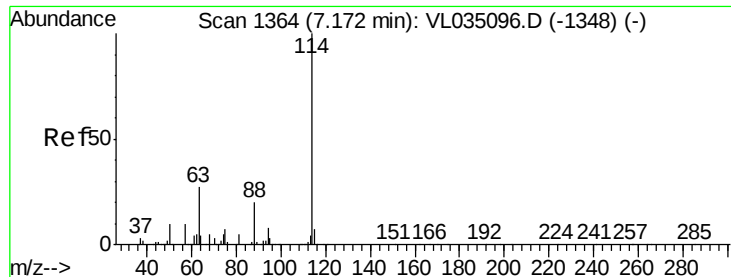


#32

1,1,1-Trichloroethane
 Concen: 10.787 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 97 Resp: 1589743
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 51.4 41.0 61.6

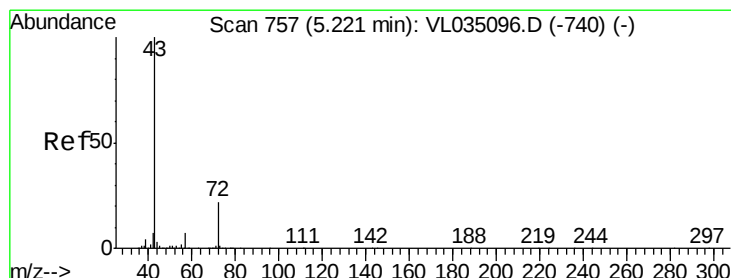
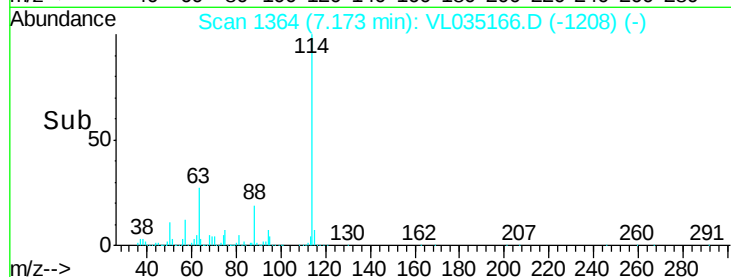
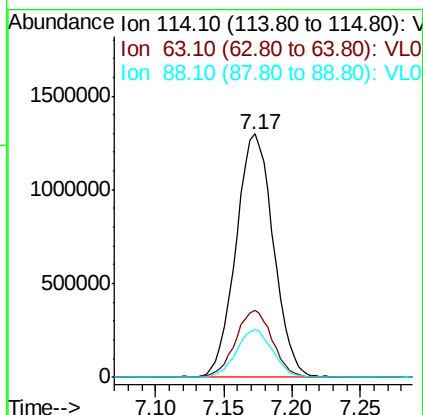
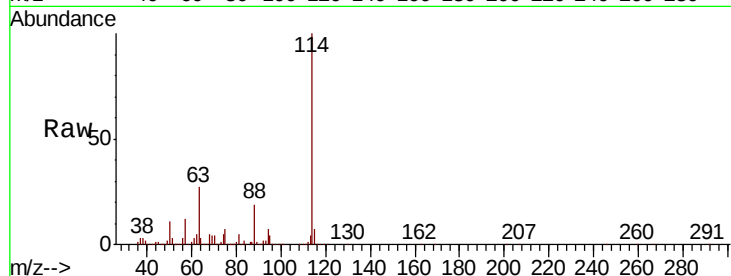




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

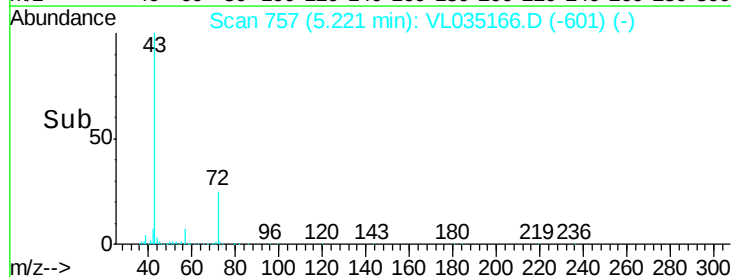
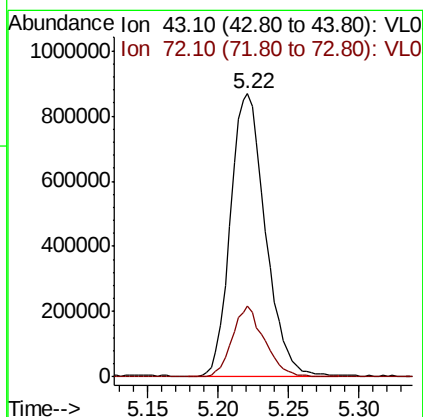
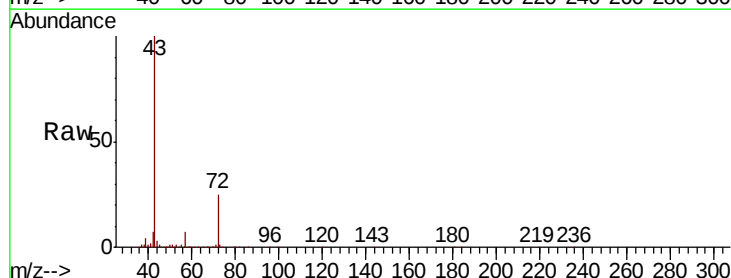
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

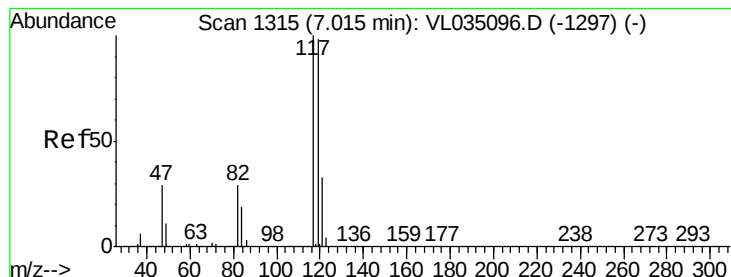
Tot Ion:114 Resp: 2479522
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.9 32.9
 88 18.9 15.6 23.4



#34
 2-Butanone
 Concen: 10.565 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 43 Resp: 1504397
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 10.918 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

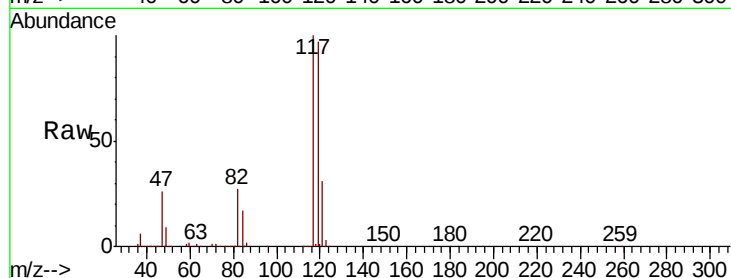
Tot Ion:117 Resp: 1623602

Ion Ratio Lower Upper

117 100

119 97.0 78.3 117.5

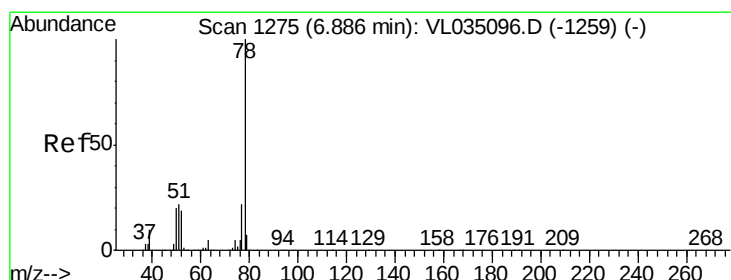
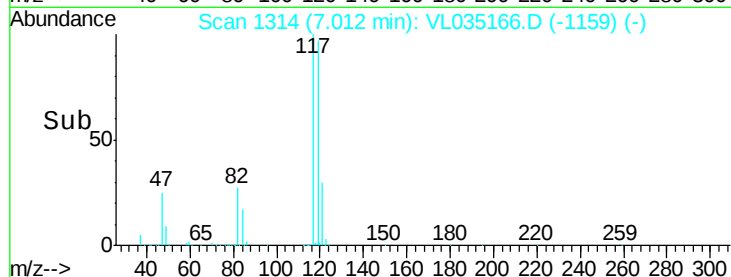
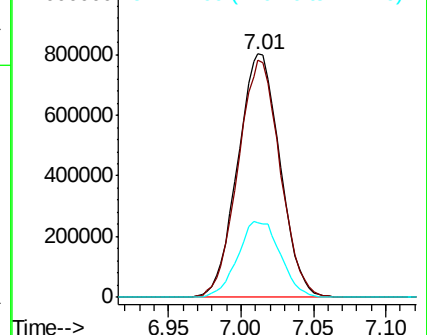
121 30.7 26.0 39.0



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: 10.783 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

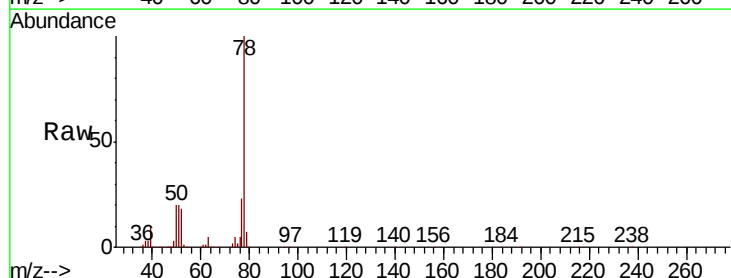
Tgt Ion: 78 Resp: 2070383

Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.6

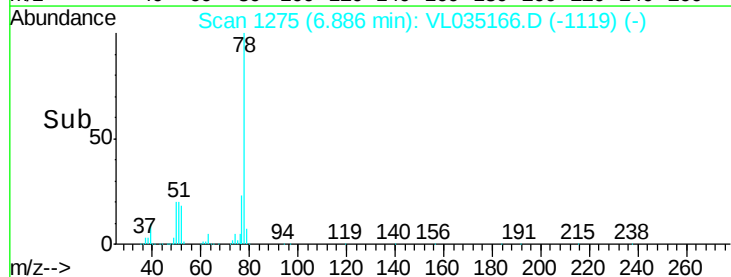
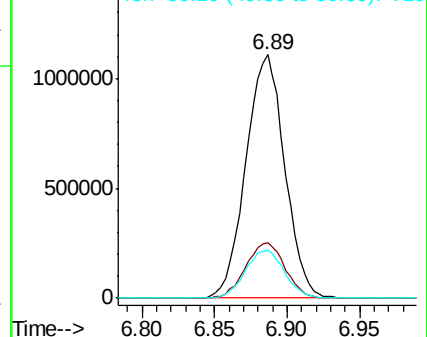
50 19.6 16.2 24.2

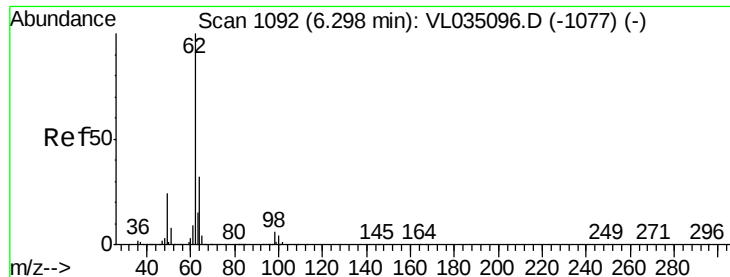


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

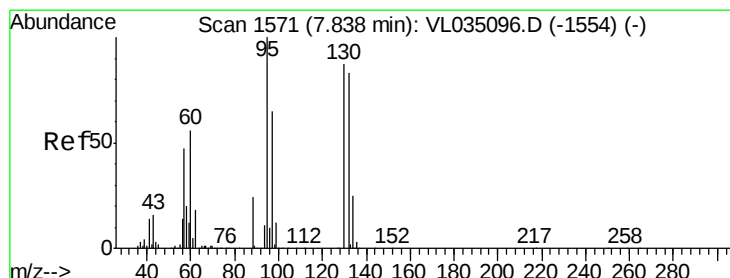
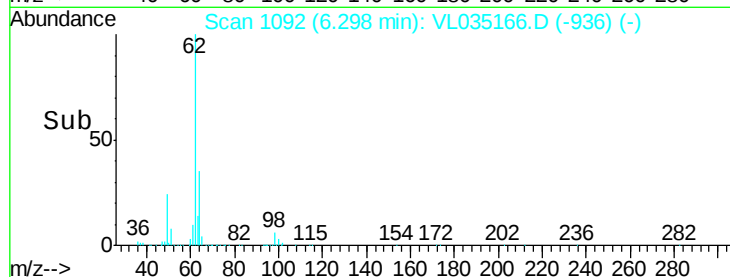
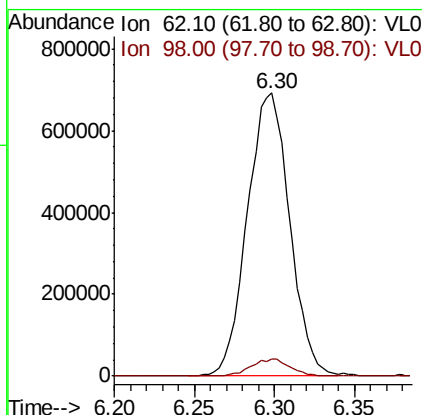
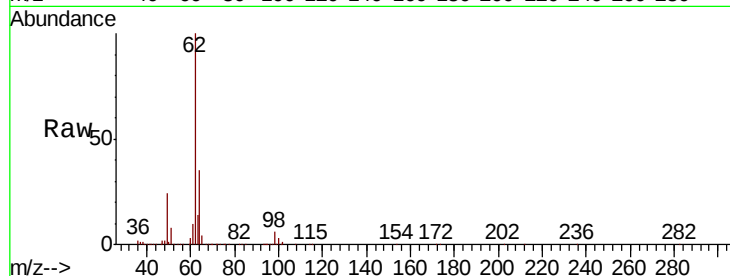




#37
 1,2-Dichloroethane
 Concen: 10.327 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

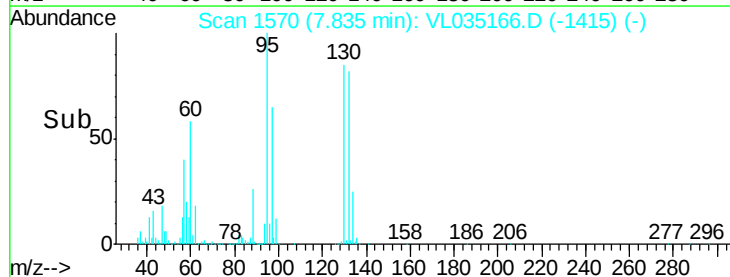
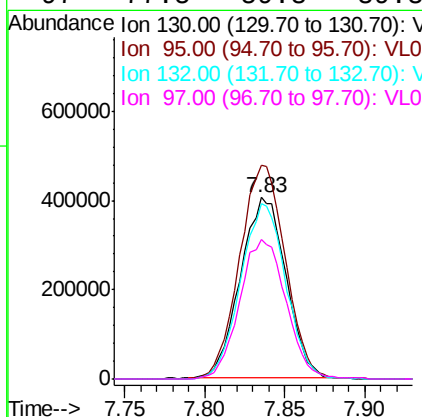
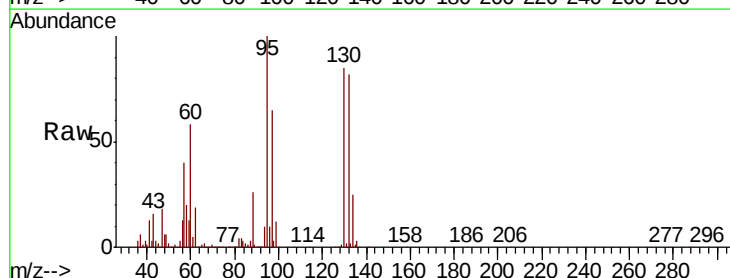
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

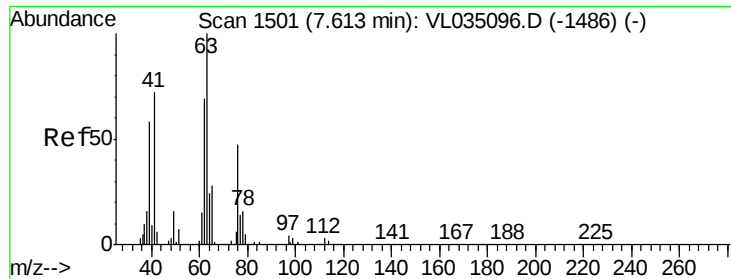
Tot Ion: 62 Resp: 1253182
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.8 7.2



#38
 Trichloroethene
 Concen: 10.497 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 130 Resp: 782798
 Ion Ratio Lower Upper
 130 100
 95 118.4 91.4 137.2
 132 97.0 75.8 113.6
 97 77.5 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.818 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

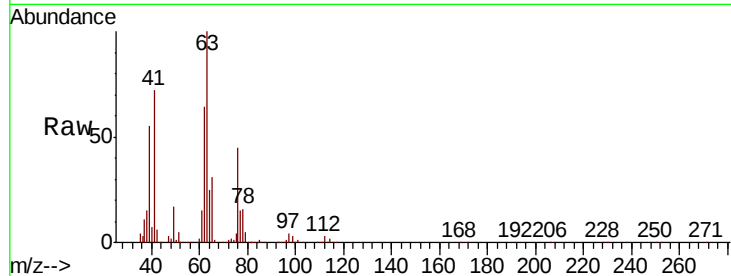
Tot Ion: 63 Resp: 812375

Ion Ratio Lower Upper

63 100

41 72.3 58.0 87.0

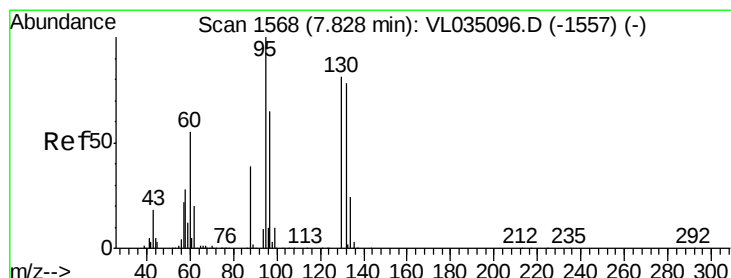
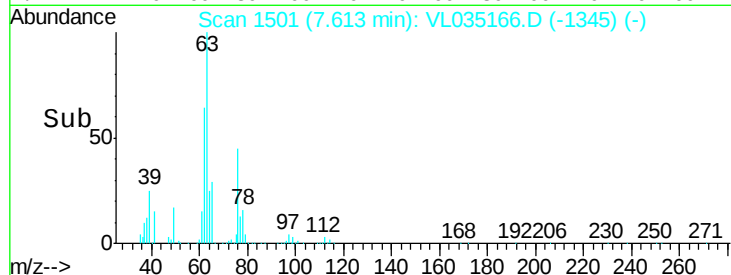
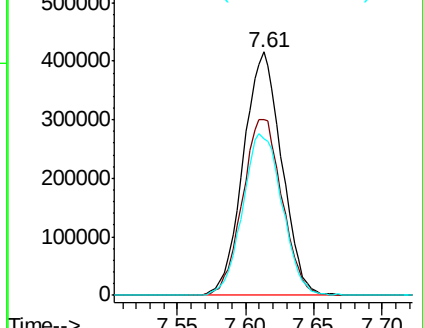
62 64.1 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.887 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion: 88 Resp: 292848

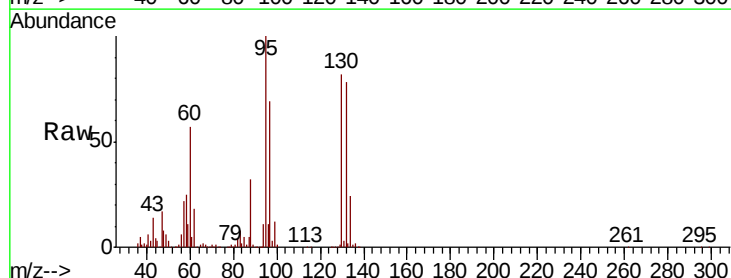
Ion Ratio Lower Upper

88 100

58 133.8 110.2 165.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

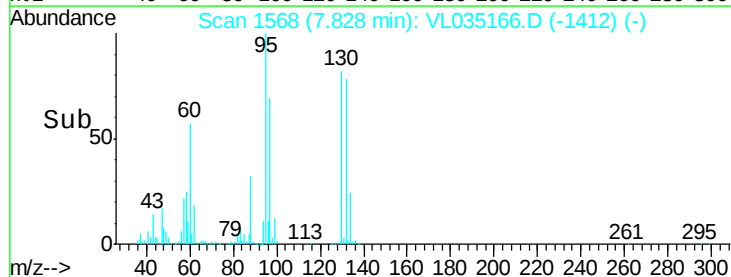
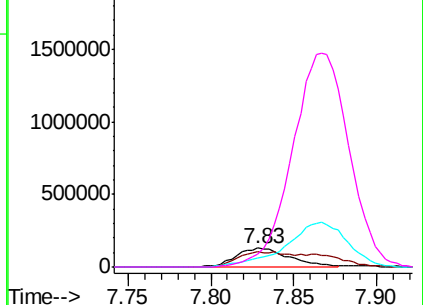


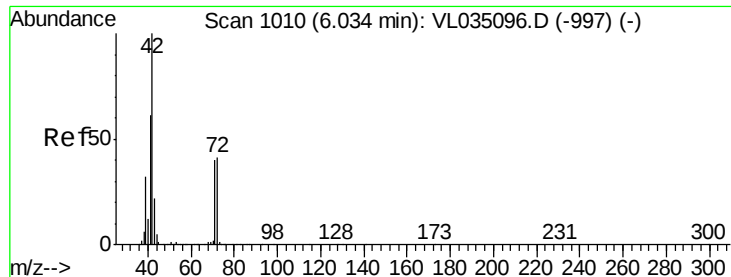
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.516 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

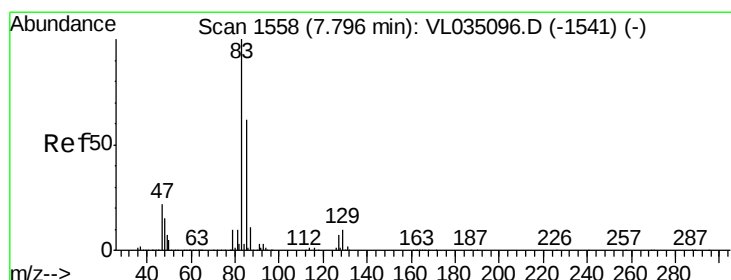
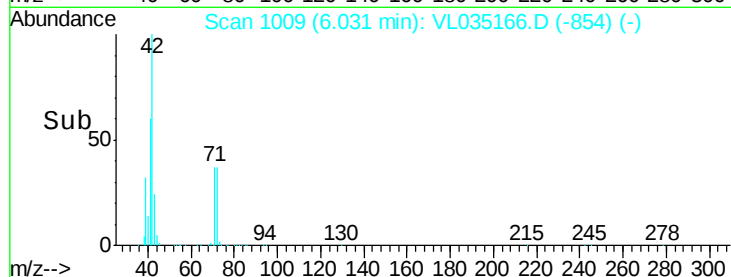
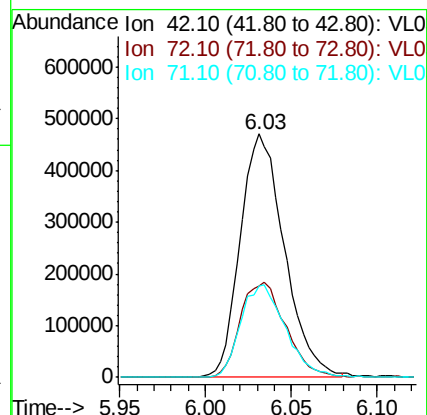
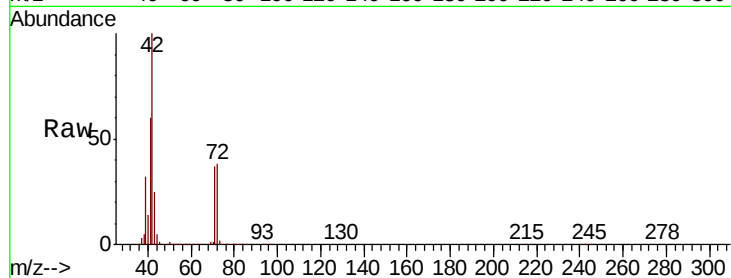
Tot Ion: 42 Resp: 837555

Ion Ratio Lower Upper

42 100

72 40.2 33.4 50.2

71 38.7 31.8 47.6



#42

Bromodichloromethane

Concen: 11.042 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

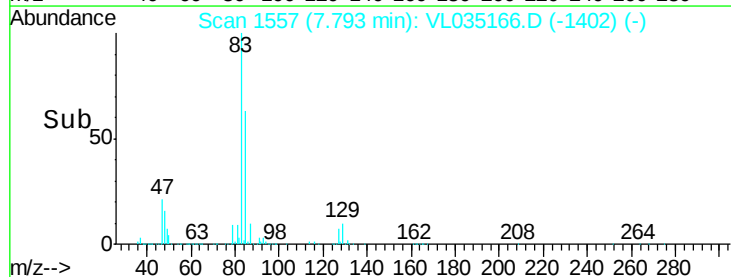
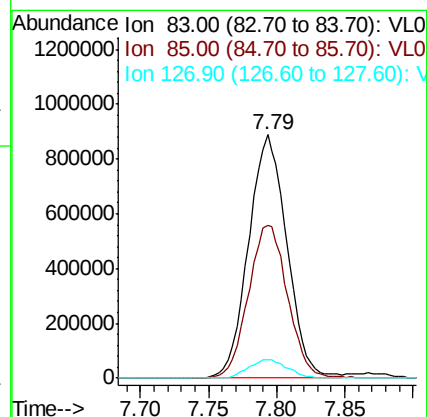
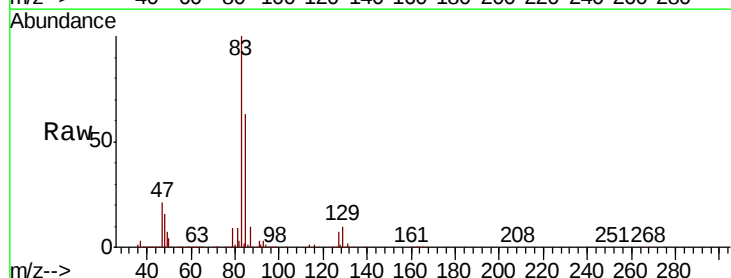
Tgt Ion: 83 Resp: 1735372

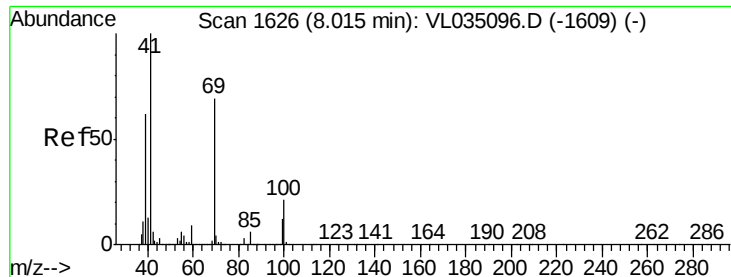
Ion Ratio Lower Upper

83 100

85 62.7 49.4 74.0

127 7.5 5.9 8.9





#43

Methyl Methacrylate

Concen: 11.511 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

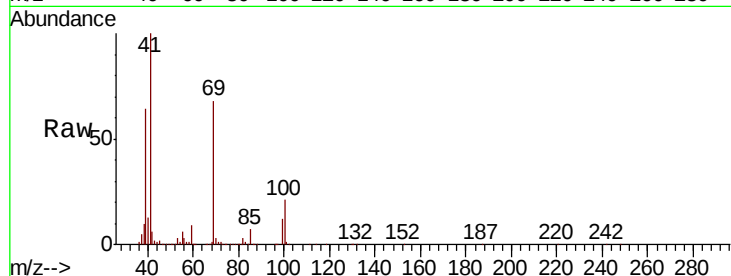
Tot Ion: 69 Resp: 935478

Ion Ratio Lower Upper

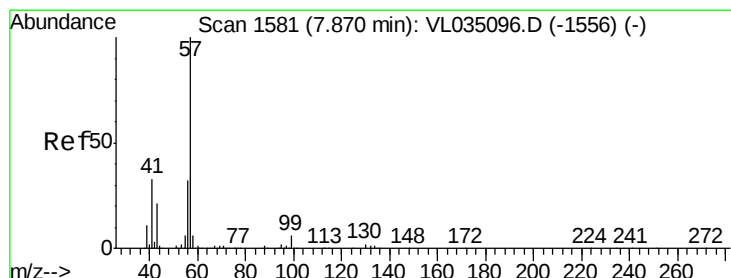
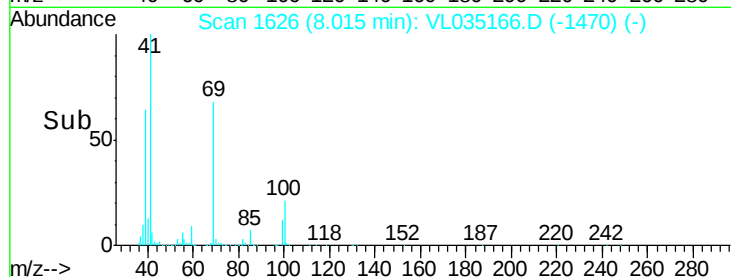
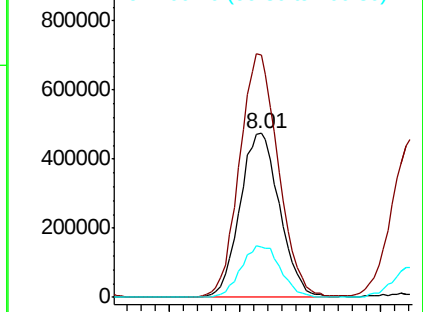
69 100

41 145.2 116.4 174.6

100 31.3 25.3 37.9



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: 10.455 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

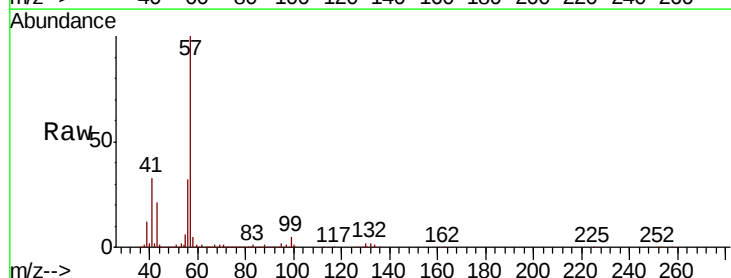
Tgt Ion: 57 Resp: 3503534

Ion Ratio Lower Upper

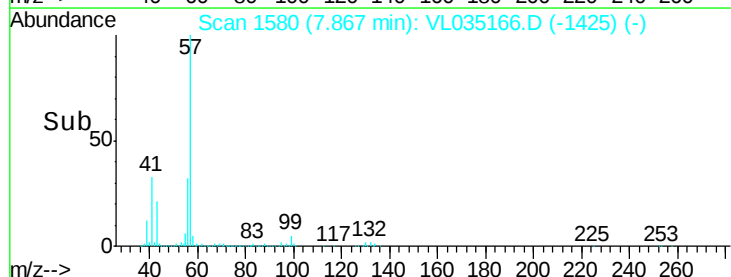
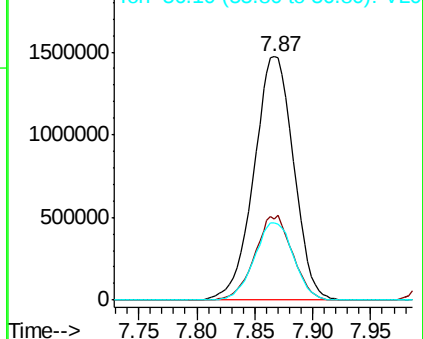
57 100

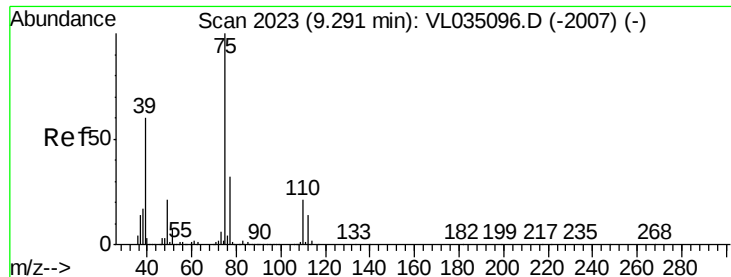
41 33.1 26.2 39.2

56 31.4 25.4 38.2



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

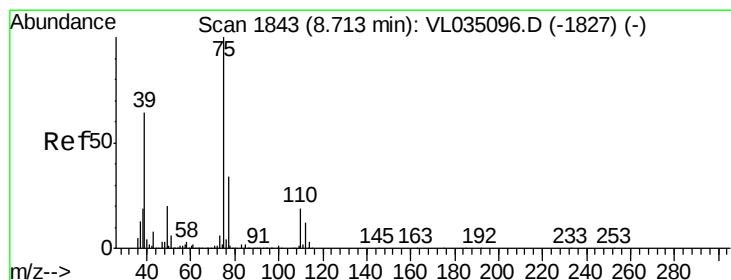
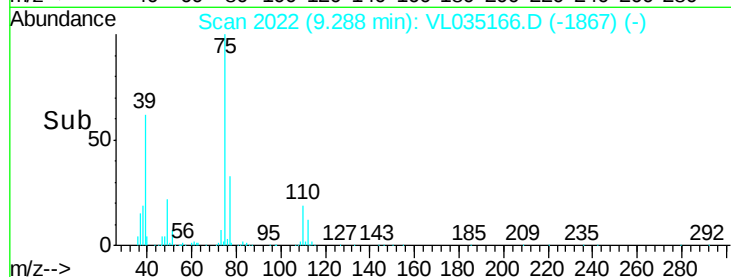
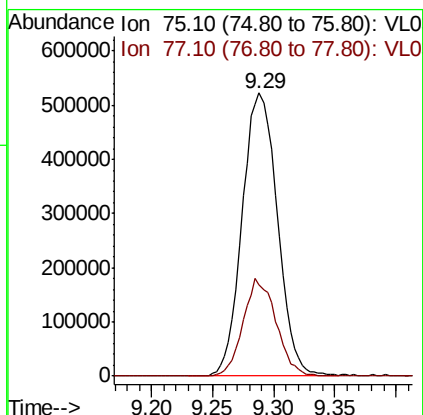
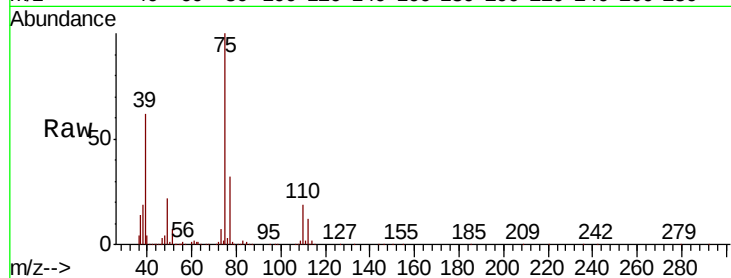




#45
 t-1,3-Dichloropropene
 Concen: 13.179 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

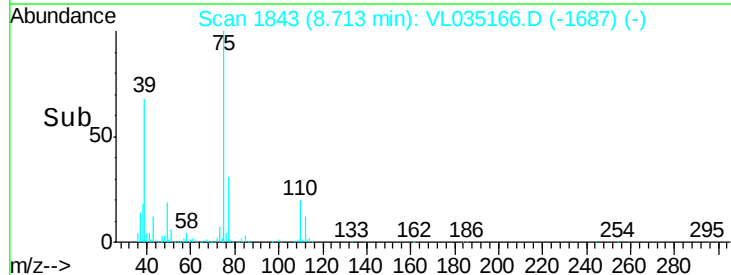
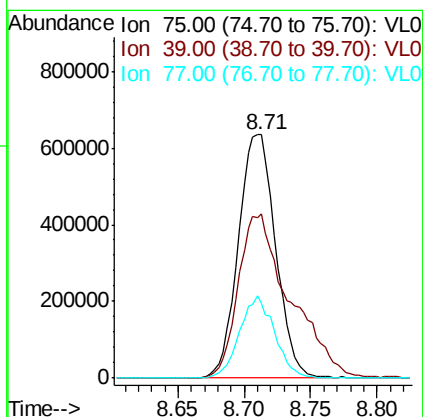
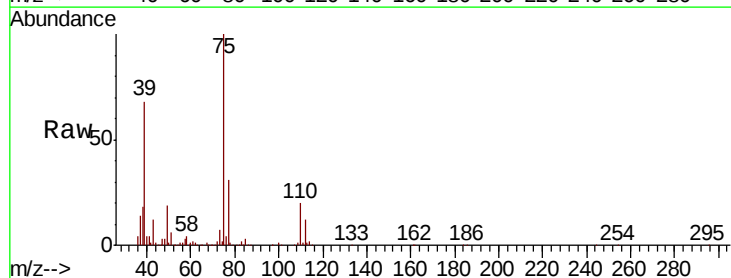
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

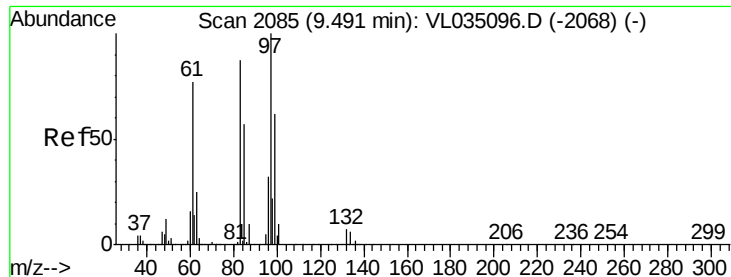
Tot Ion: 75 Resp: 1042317
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 12.638 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 75 Resp: 1241778
 Ion Ratio Lower Upper
 75 100
 39 67.6 51.1 76.7
 77 30.6 26.9 40.3

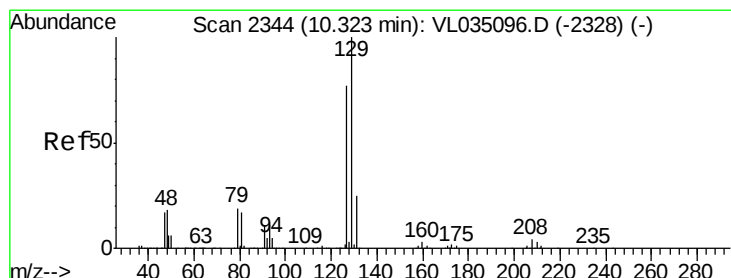
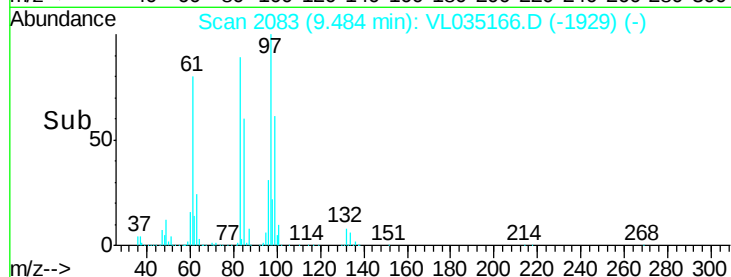
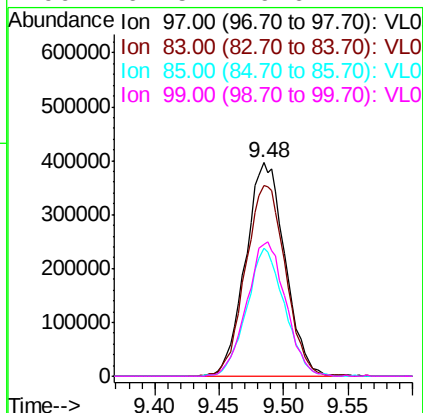
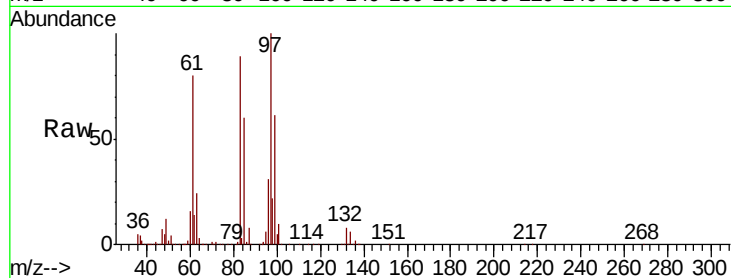




#47
 1,1,2-Trichloroethane
 Concen: 10.319 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

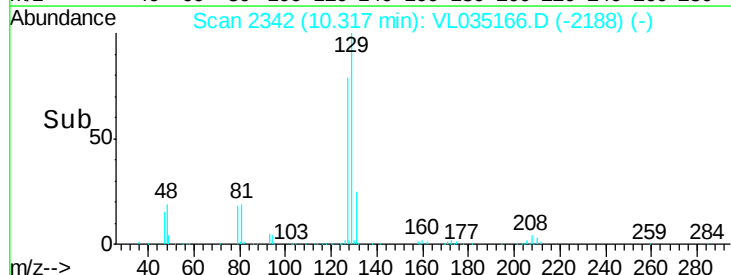
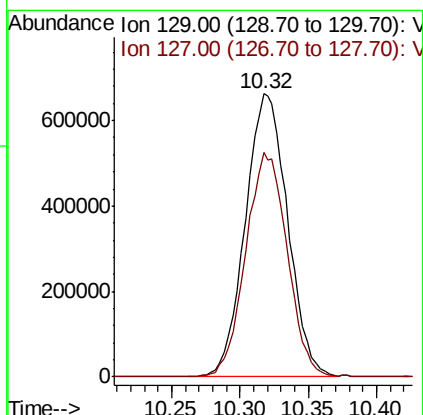
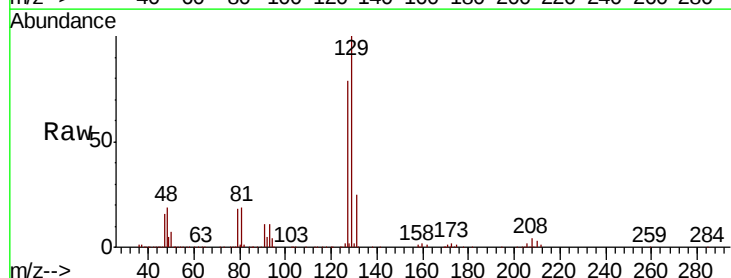
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

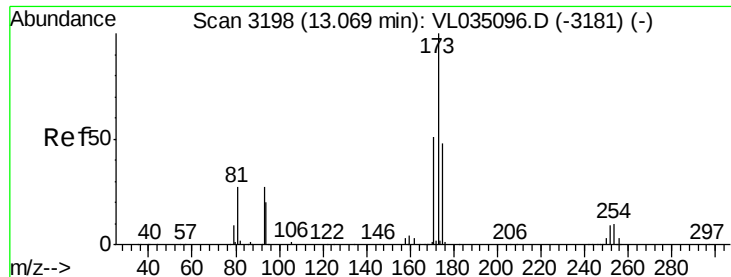
Tot Ion: 97 Resp: 845748
 Ion Ratio Lower Upper
 97 100
 83 89.2 69.5 104.3
 85 59.8 46.0 69.0
 99 61.5 49.6 74.4



#48
 Dibromochloromethane
 Concen: 11.677 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 129 Resp: 1426789
 Ion Ratio Lower Upper
 129 100
 127 77.8 39.3 117.8





#49

Bromoform

Concen: 11.478 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

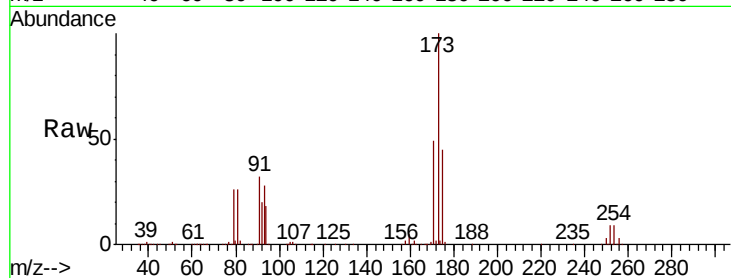
Tot Ion:173 Resp: 1191322

Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

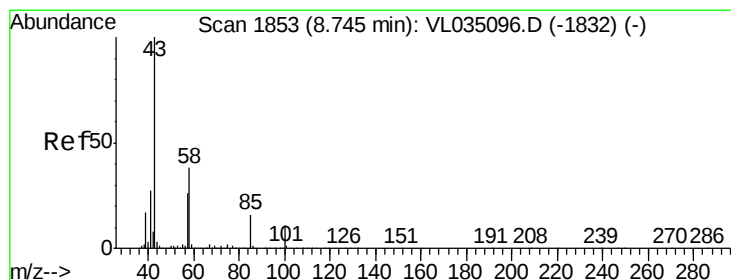
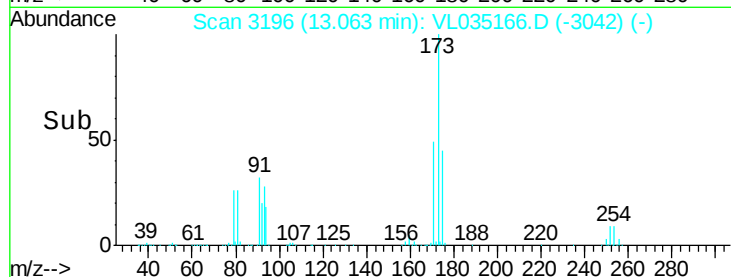
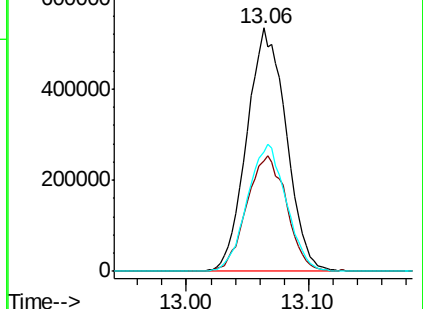
171 51.7 41.7 62.5



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: 10.833 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035166.D

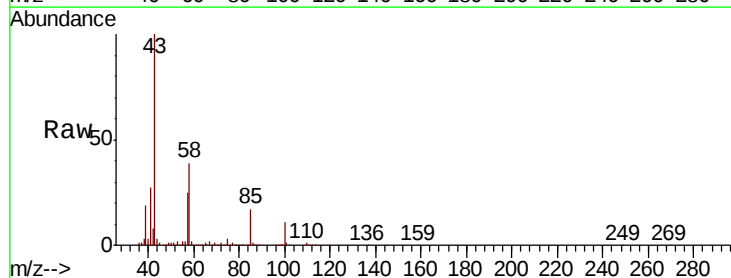
Acq: 7 Jul 2020 6:32

Tgt Ion: 43 Resp: 2191581

Ion Ratio Lower Upper

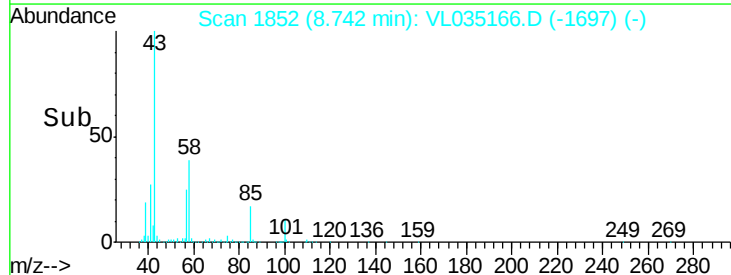
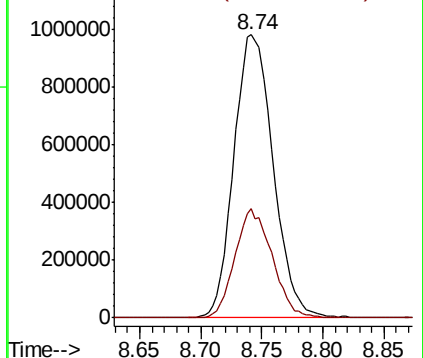
43 100

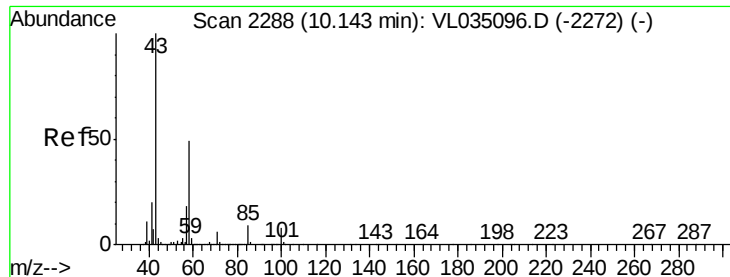
58 36.7 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

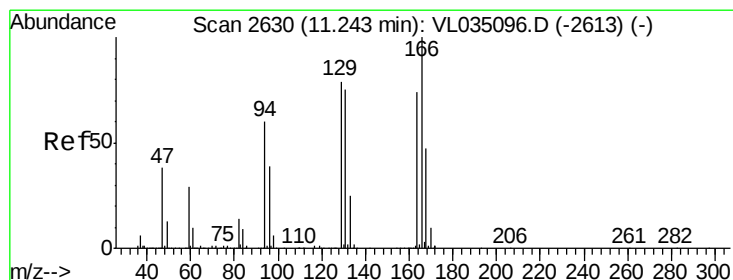
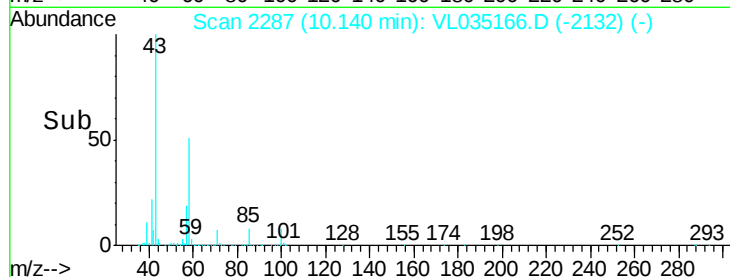
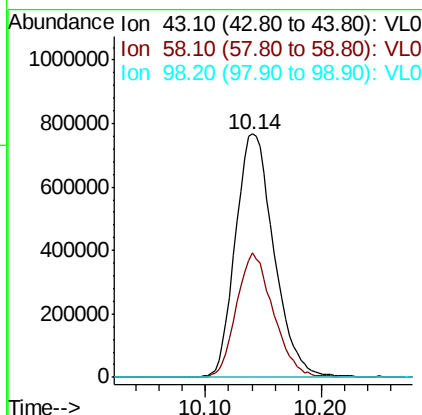
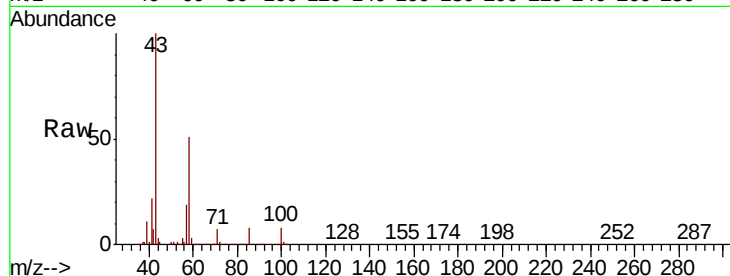




#51
2-Hexanone
Concen: 11.099 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

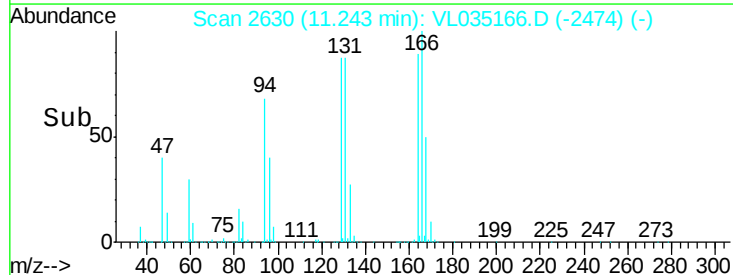
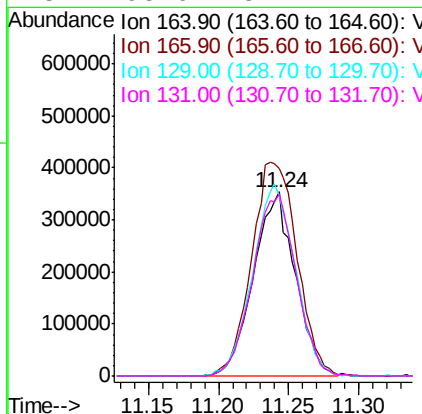
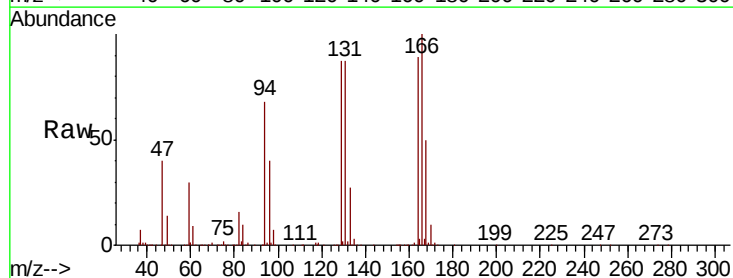
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

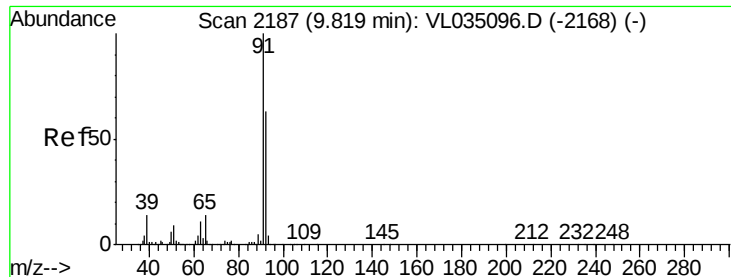
Tot Ion: 43 Resp: 1758462
Ion Ratio Lower Upper
43 100
58 49.2 39.2 58.8
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.747 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 164 Resp: 727077
Ion Ratio Lower Upper
164 100
166 112.9 107.5 161.3
129 98.0 84.9 127.3
131 98.6 81.1 121.7





#53

Toluene

Concen: 11.643 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

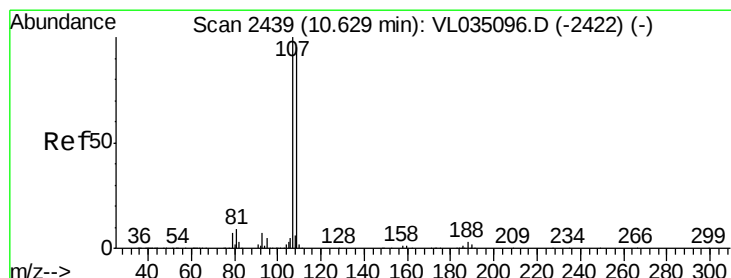
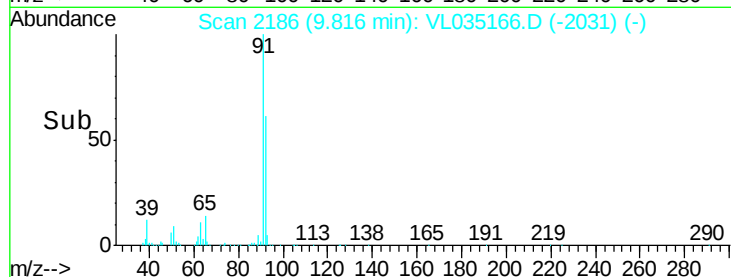
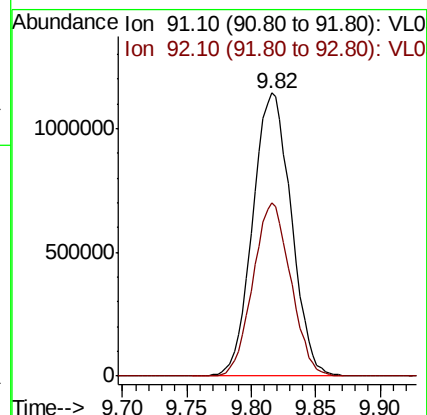
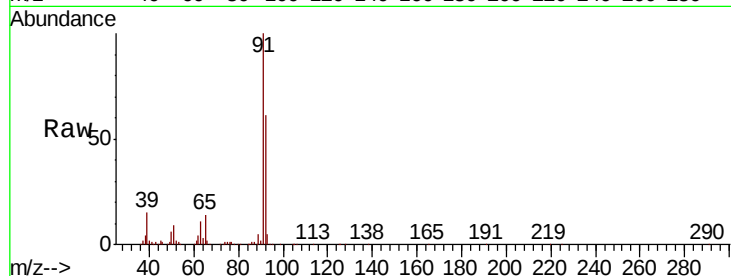
VSTDCCC010EC

Tot Ion: 91 Resp: 2384519

Ion Ratio Lower Upper

91 100

92 60.0 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.468 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035166.D

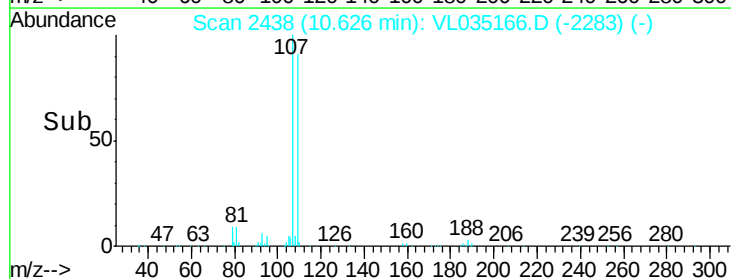
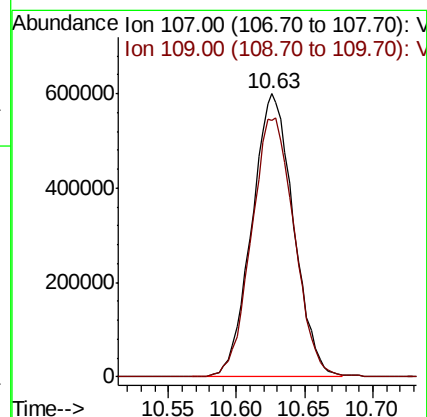
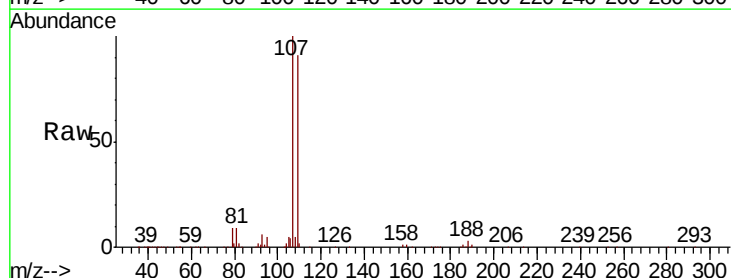
Acq: 7 Jul 2020 6:32

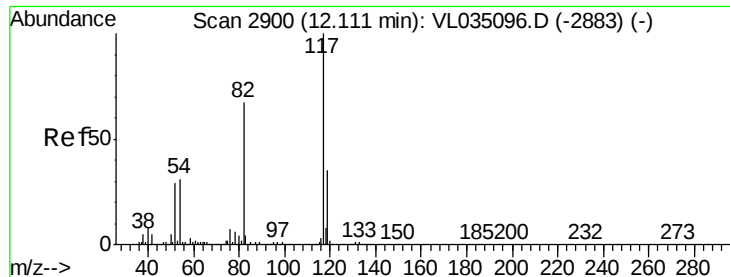
Tgt Ion:107 Resp: 1270288

Ion Ratio Lower Upper

107 100

109 90.8 75.9 113.9

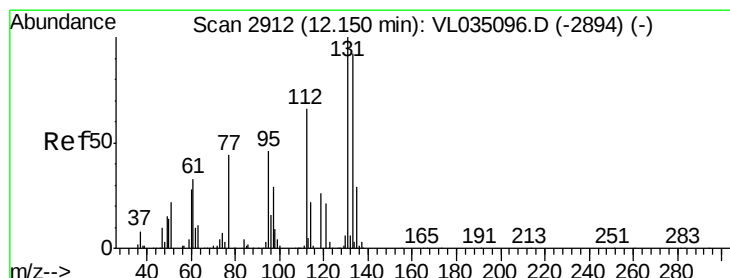
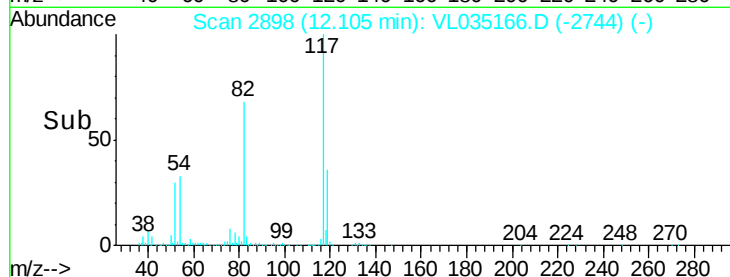
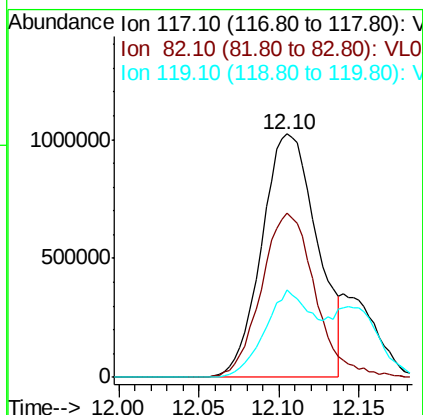
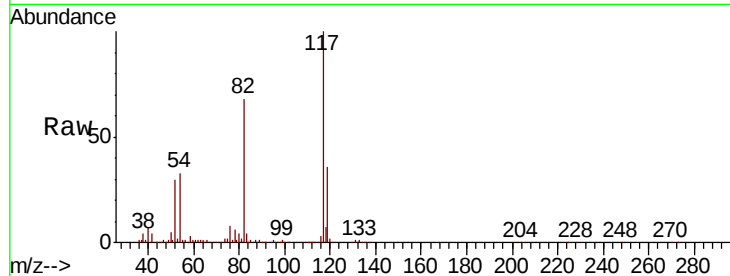




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

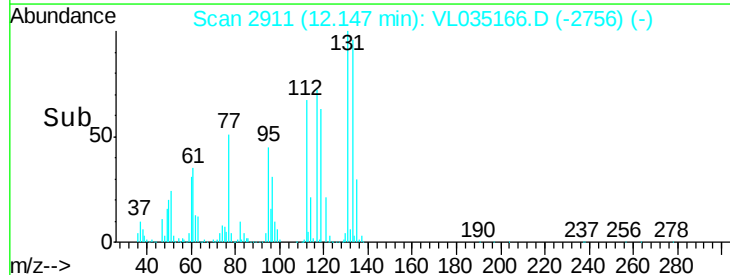
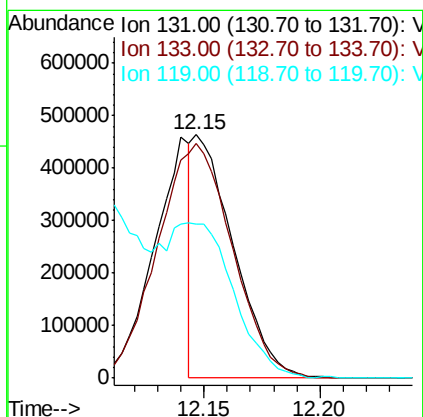
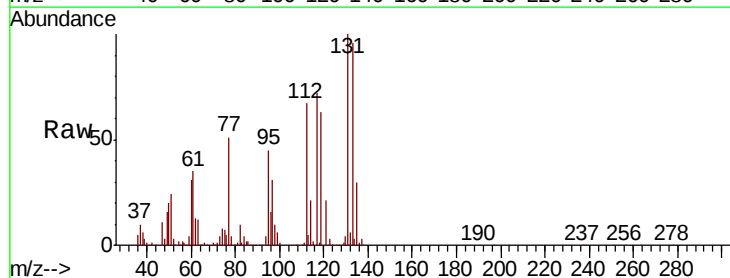
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

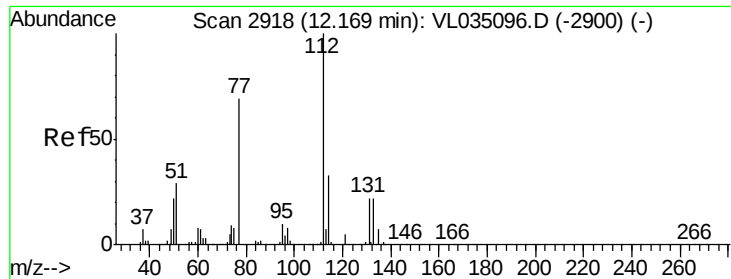
Tot Ion:117 Resp: 2459988
Ion Ratio Lower Upper
117 100
82 65.6 50.4 75.6
119 35.5 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 5.539 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion:131 Resp: 557603
Ion Ratio Lower Upper
131 100
133 181.2 76.2 114.4#
119 113.1 114.6 172.0#





#57

Chlorobenzene

Concen: 9.687 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

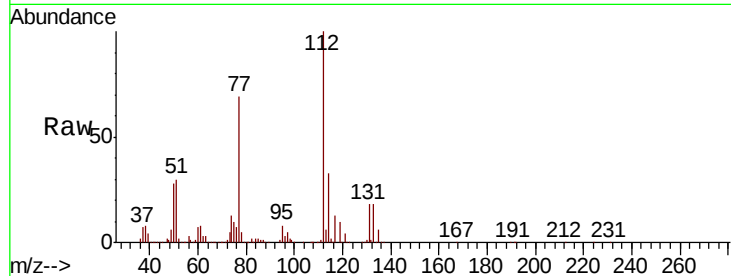
Tot Ion:112 Resp: 1753437

Ion Ratio Lower Upper

112 100

77 69.1 56.7 85.1

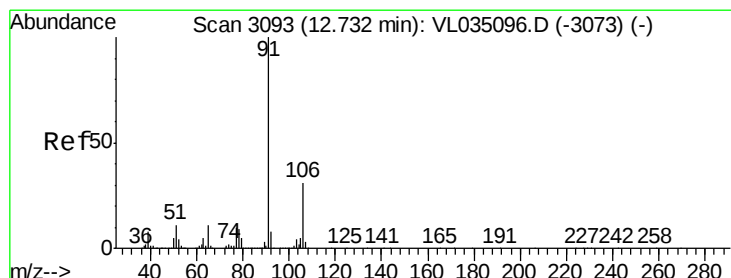
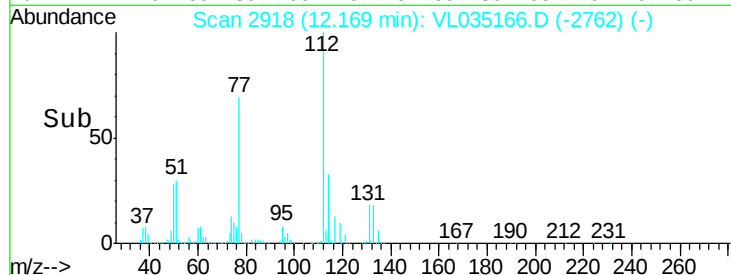
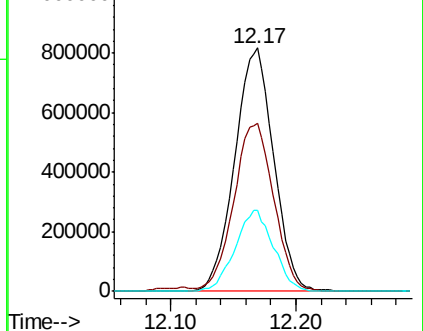
114 33.3 29.3 35.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.298 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.00 min

Lab File: VL035166.D

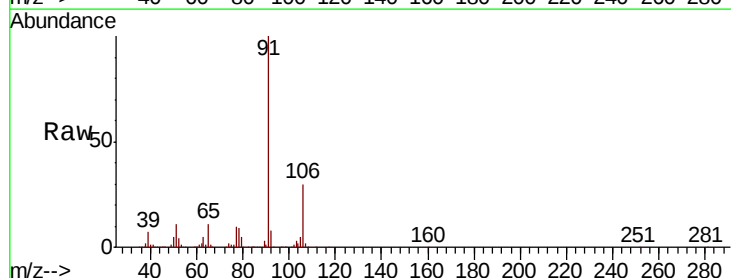
Acq: 7 Jul 2020 6:32

Tgt Ion: 91 Resp: 3122827

Ion Ratio Lower Upper

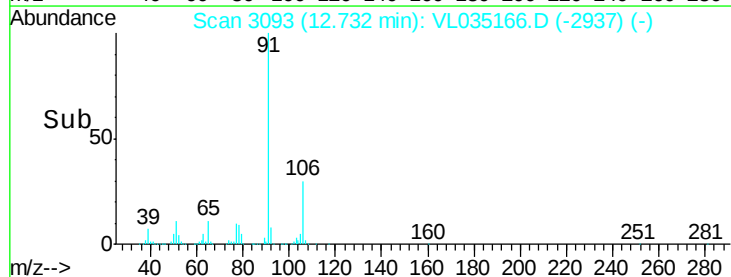
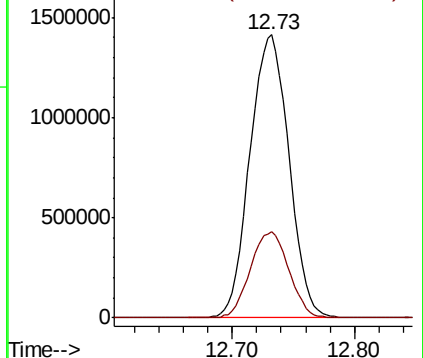
91 100

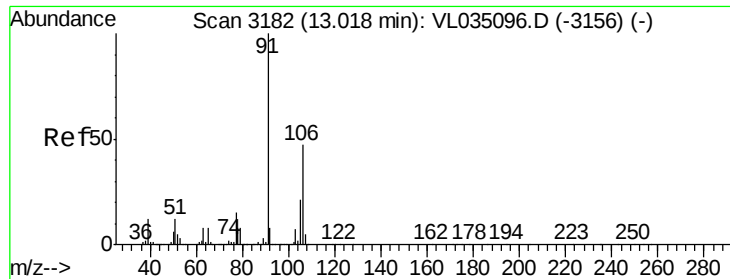
106 30.4 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

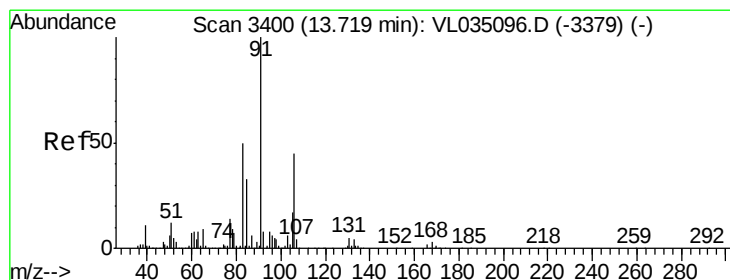
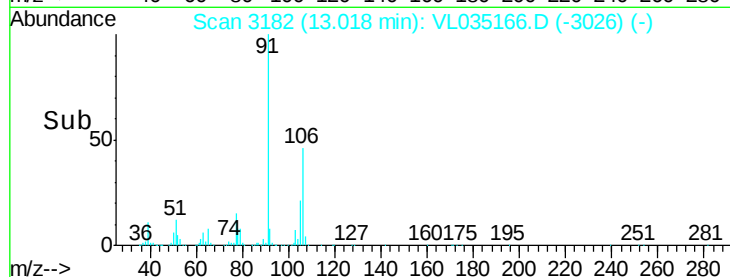
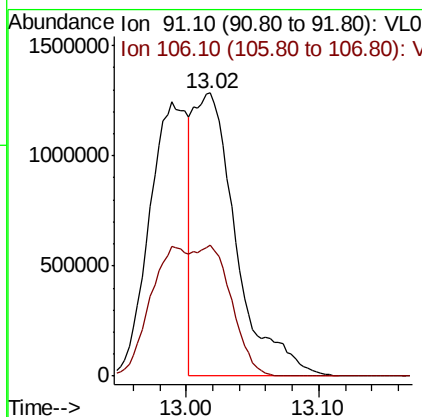
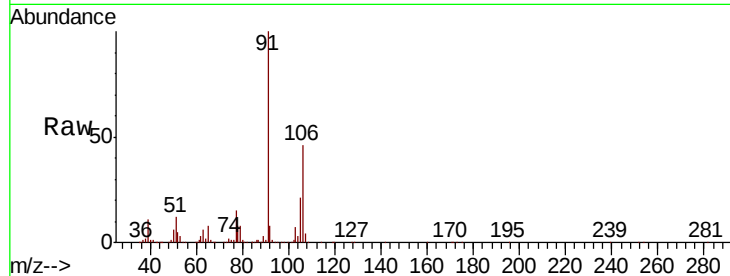




#59
m/p-Xylene
Concen: 11.685 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

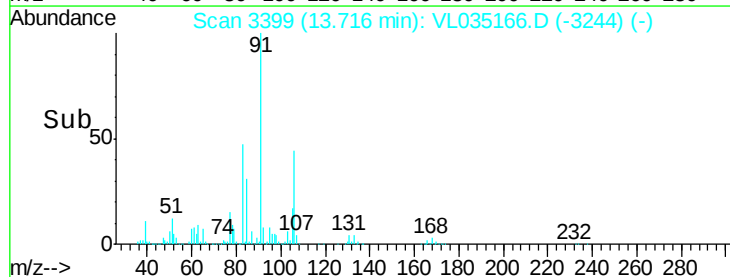
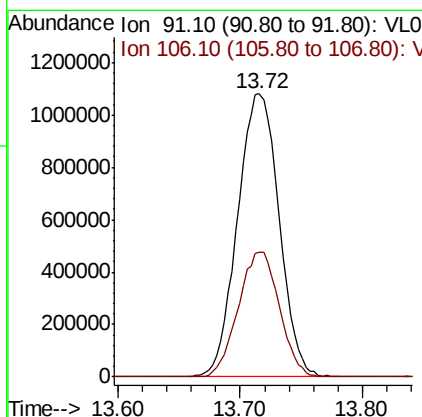
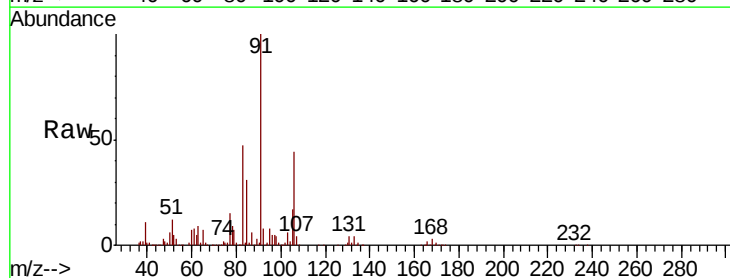
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

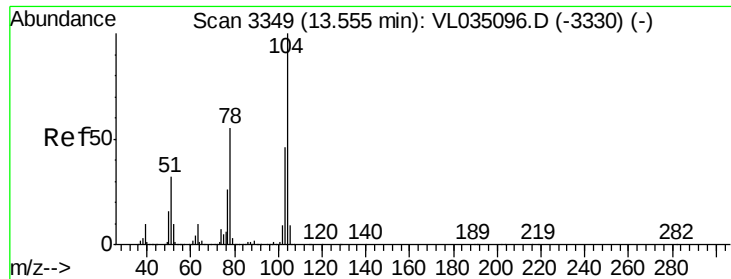
Tot Ion: 91 Resp: 2862333
Ion Ratio Lower Upper
91 100
106 82.0 36.5 54.7#



#60
o-Xylene
Concen: 10.390 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 91 Resp: 2533679
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5

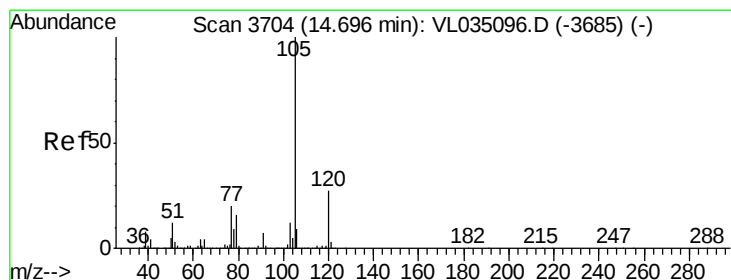
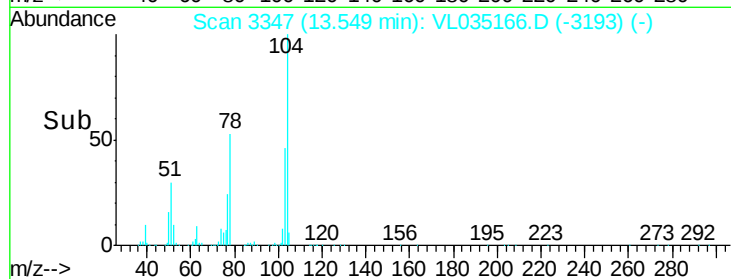
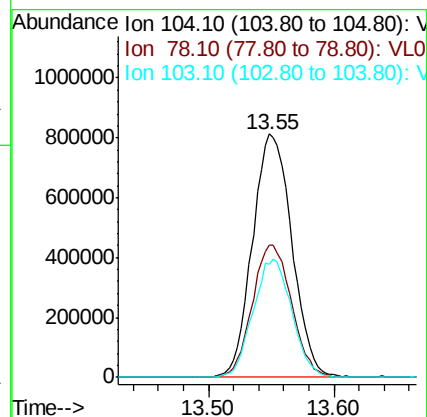
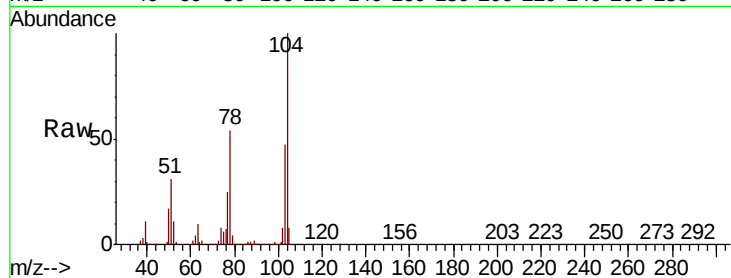




#61
Stvrene
Concen: 11.585 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

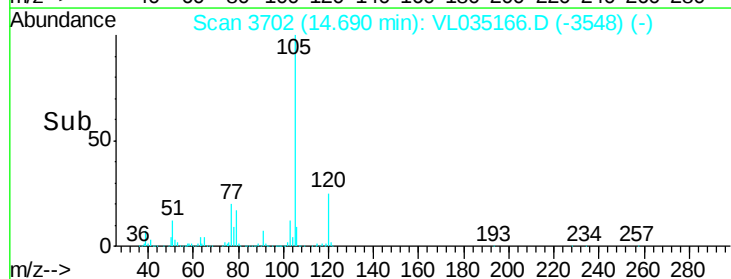
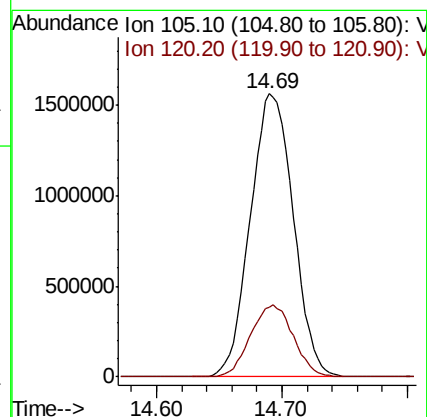
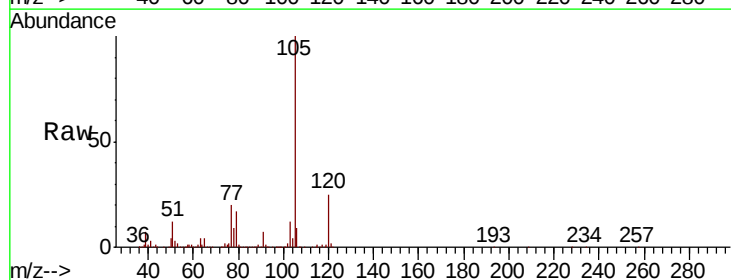
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

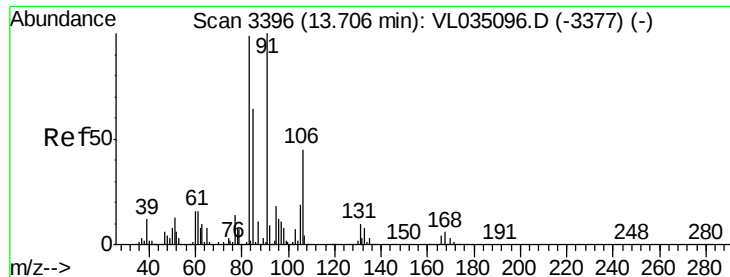
Tot Ion:104 Resp: 1777837
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.0
103 47.7 38.3 57.5



#62
Isopropylbenzene
Concen: 10.243 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 3727345
Ion Ratio Lower Upper
105 100
120 25.3 20.8 31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 8.705 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

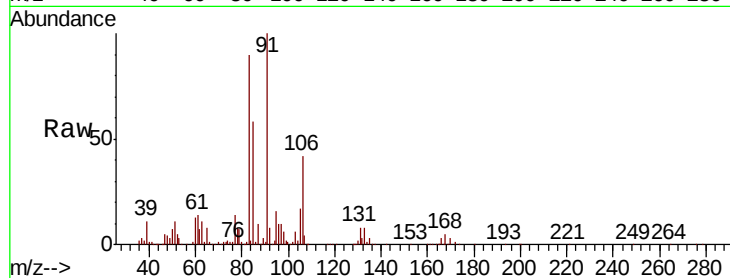
Tot Ion: 83 Resp: 1719421

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.0	32.4	97.0

83 100

131 9.2 4.7 14.0

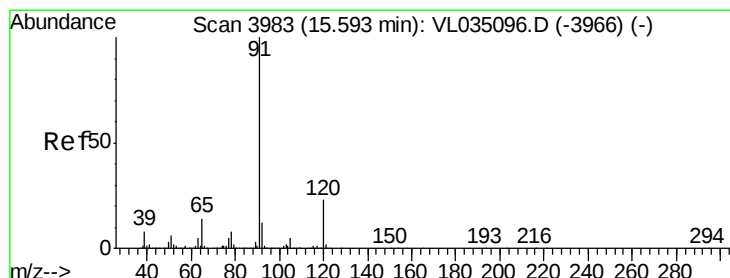
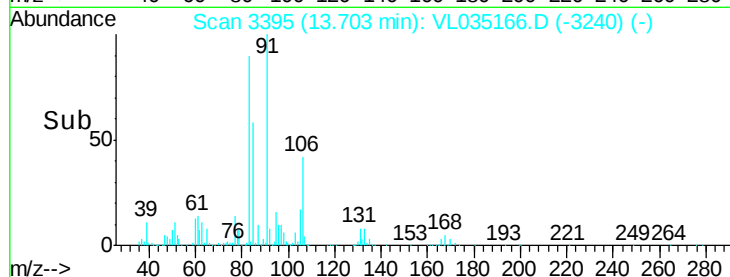
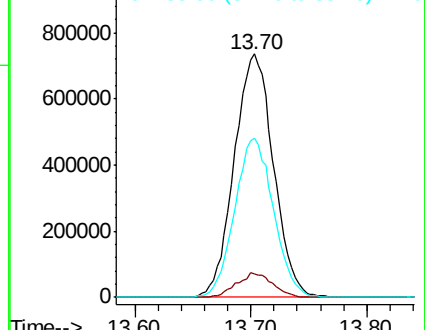
85 65.0 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.512 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.01 min

Lab File: VL035166.D

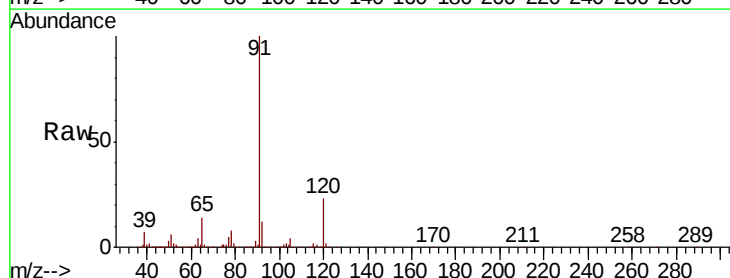
Acq: 7 Jul 2020 6:32

Tgt Ion: 120 Resp: 976235

Ion	Ratio	Lower	Upper
120	100		
91	463.8	367.9	551.9

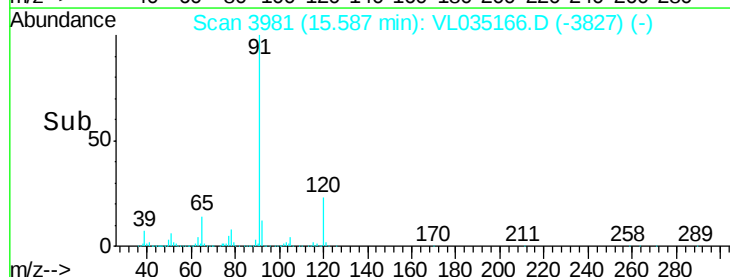
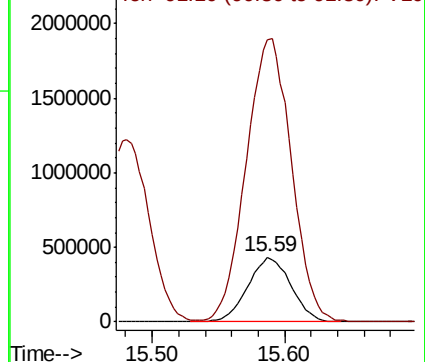
120 100

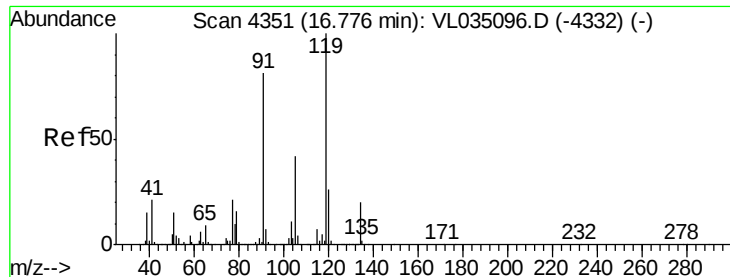
91 463.8 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 5.872 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

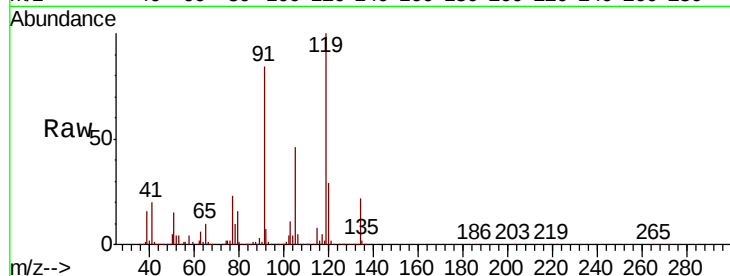
Tot Ion:119 Resp: 1829787

Ion Ratio Lower Upper

119 100

91 147.5 67.6 101.4#

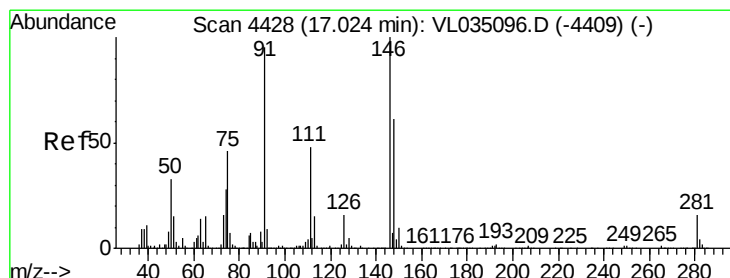
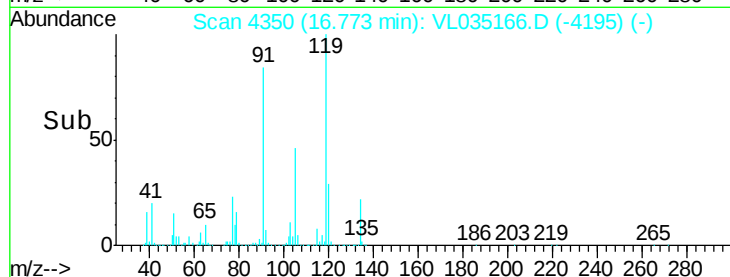
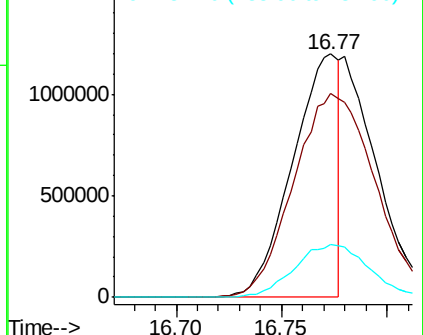
134 34.8 15.7 23.5#



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: 13.136 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

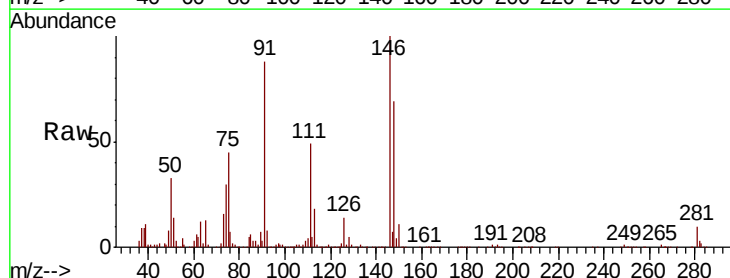
Tgt Ion: 91 Resp: 1264434

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

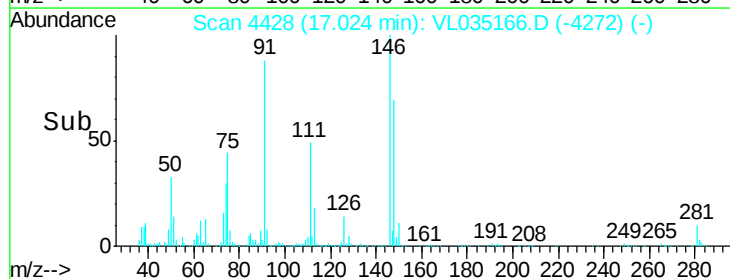
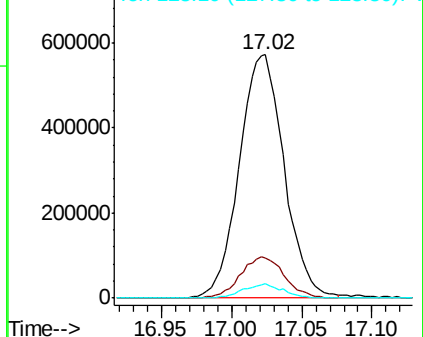
128 5.3 4.3 6.5

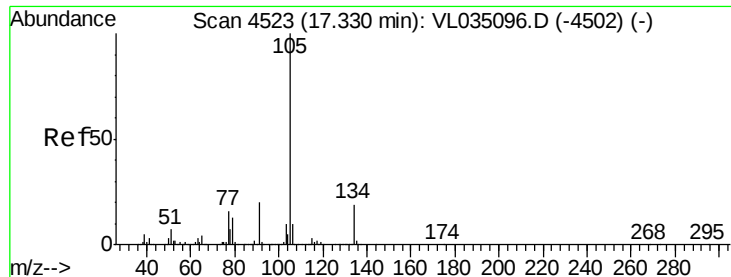


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

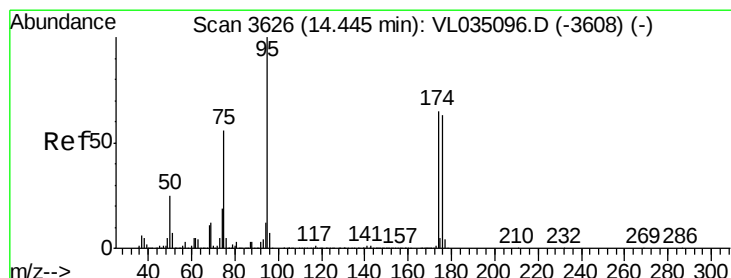
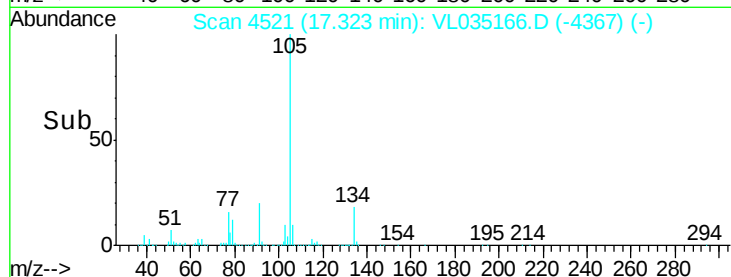
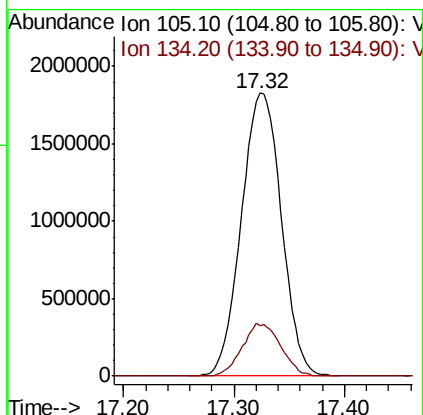
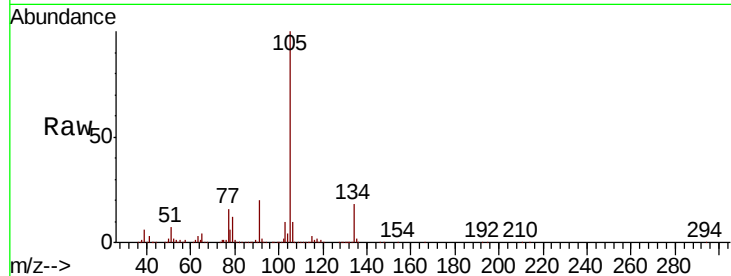




#67
 sec-Butylbenzene
 Concen: 10.296 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

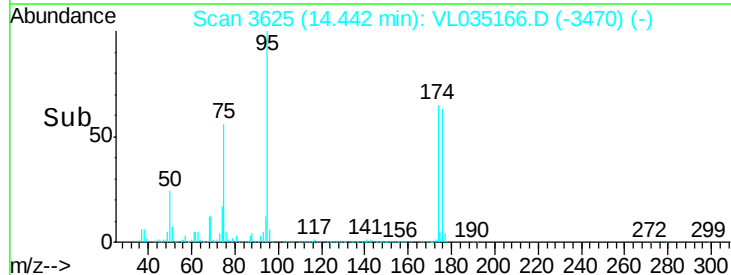
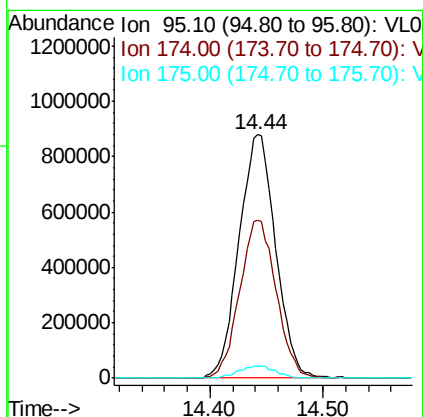
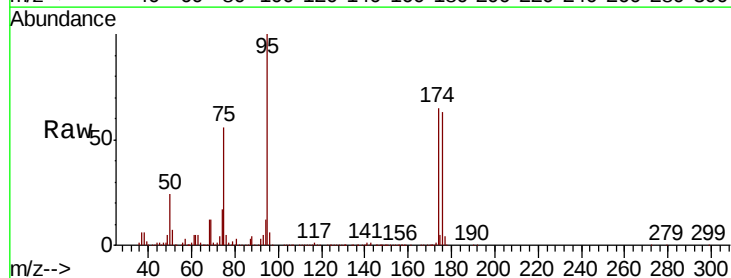
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

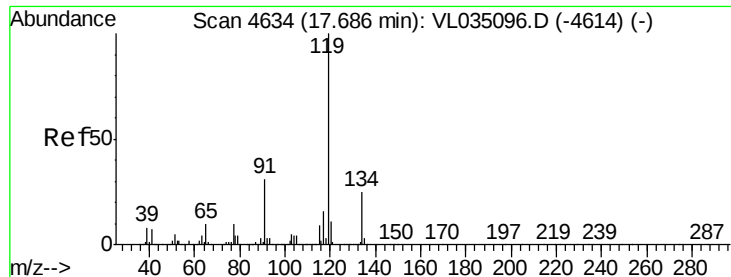
Tot Ion:105 Resp: 4598600
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.686 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 95 Resp: 1979335
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.2 78.2
 175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.718 ppbv

RT: 17.68 min Scan# 4633

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

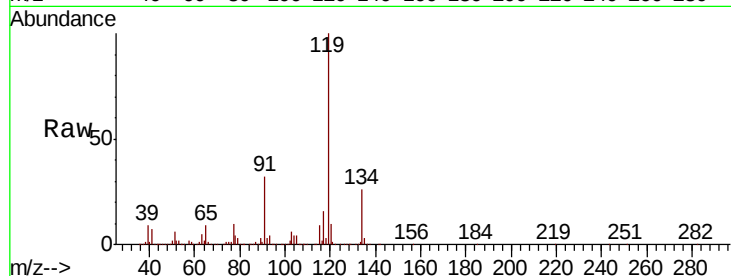
Tot Ion:119 Resp: 3818266

Ion Ratio Lower Upper

119 100

134 25.1 20.4 30.6

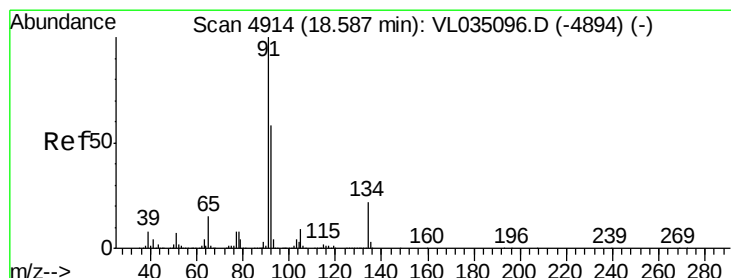
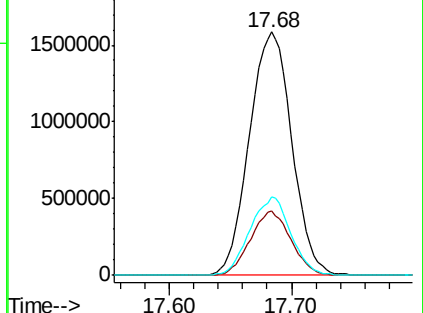
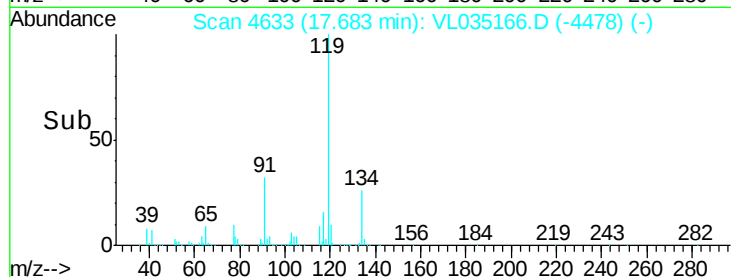
91 31.2 24.5 36.7



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.660 ppbv

RT: 18.58 min Scan# 4912

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

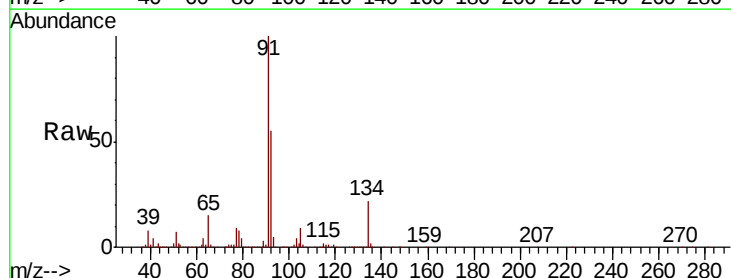
Tgt Ion: 91 Resp: 4090533

Ion Ratio Lower Upper

91 100

92 54.8 44.4 66.6

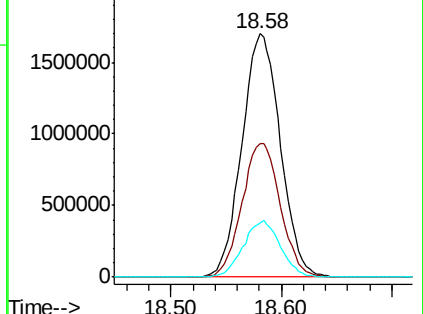
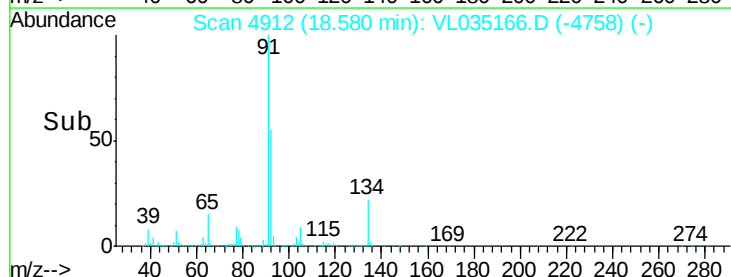
134 22.3 18.0 27.0

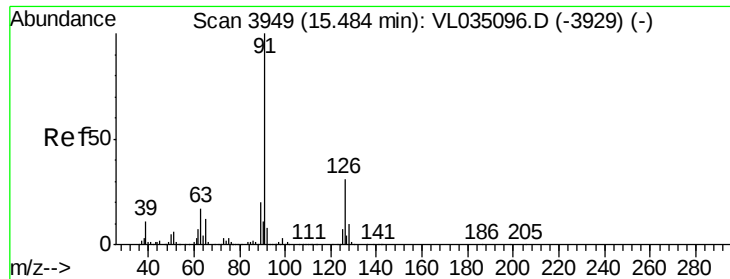


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.409 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

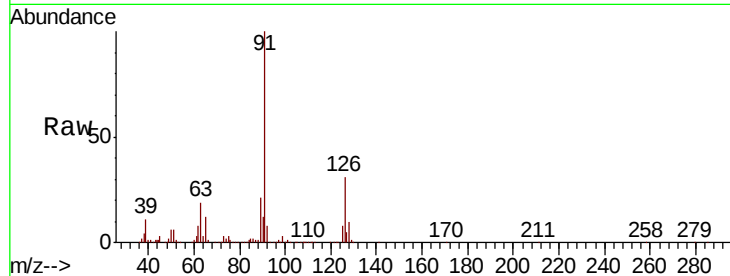
VSTDCCC010EC

Tot Ion: 91 Resp: 2863146

Ion Ratio Lower Upper

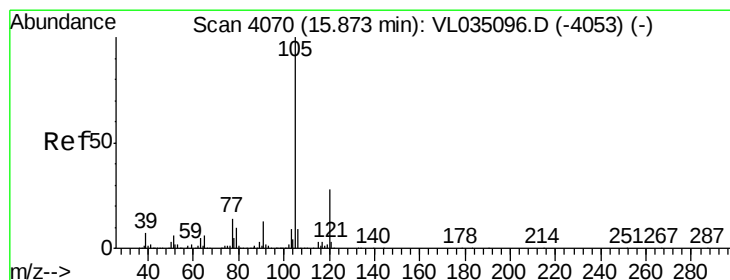
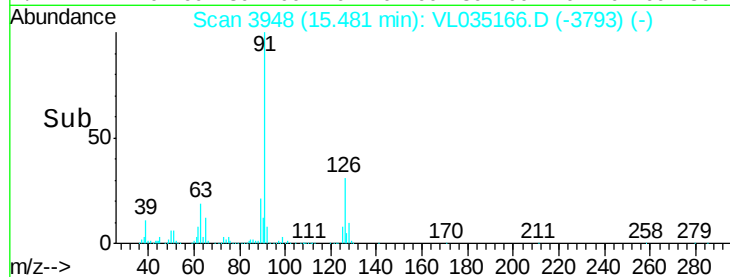
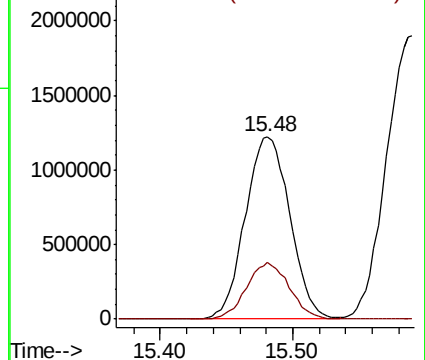
91 100

126 29.6 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.913 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 2960376

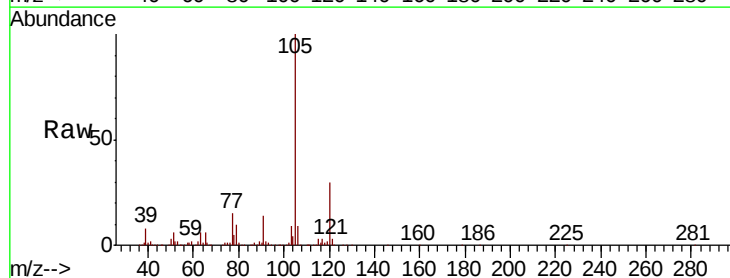
Ion Ratio Lower Upper

105 100

120 28.9 23.4 35.0

91 13.4 10.6 16.0

77 14.4 11.3 16.9

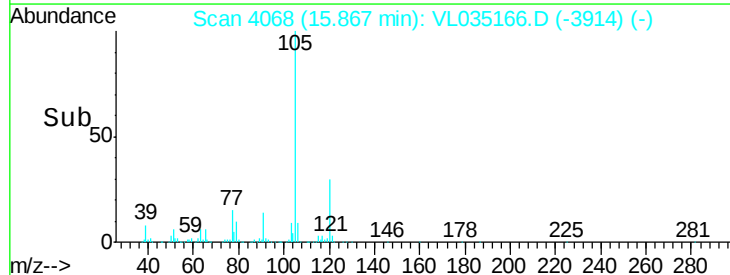
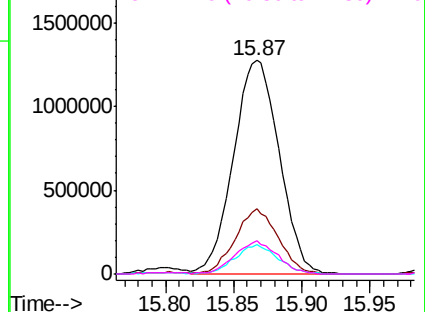


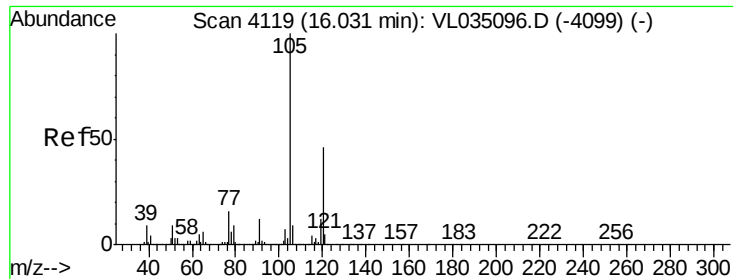
Abundance Ion 105.10 (104.80 to 105.80): V

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

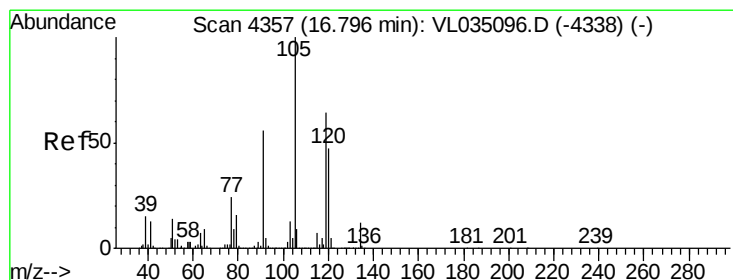
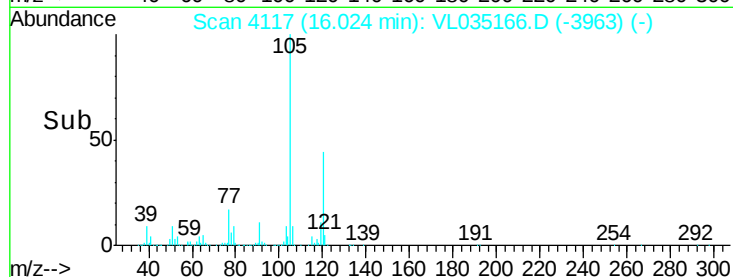
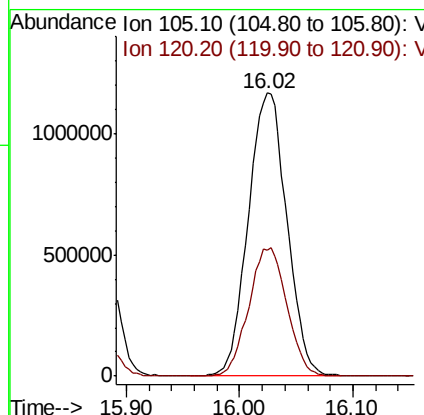
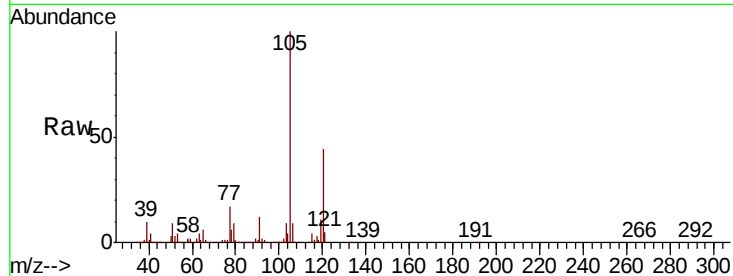




#73
 1,3,5-Trimethylbenzene
 Concen: 10.774 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

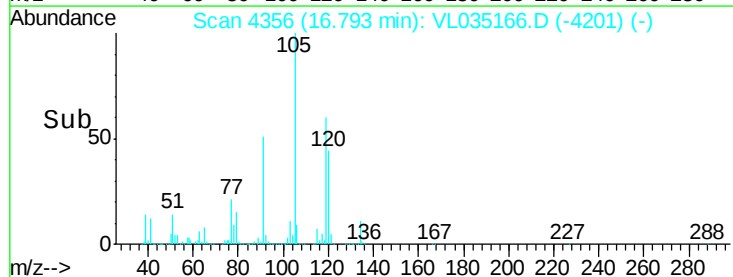
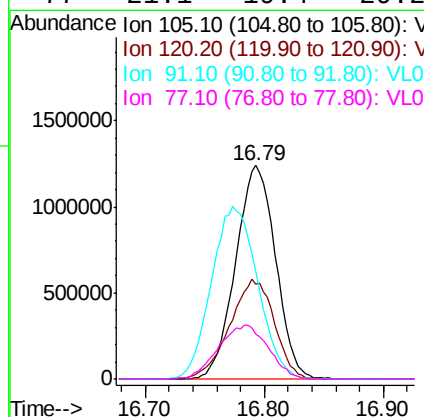
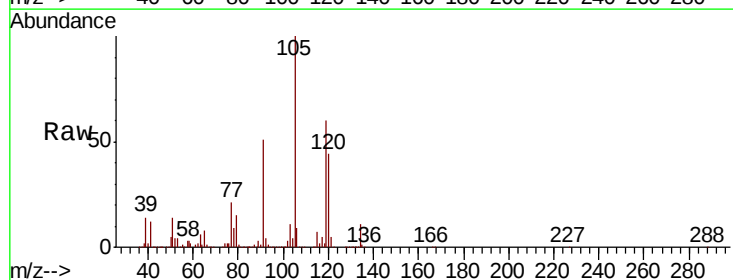
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

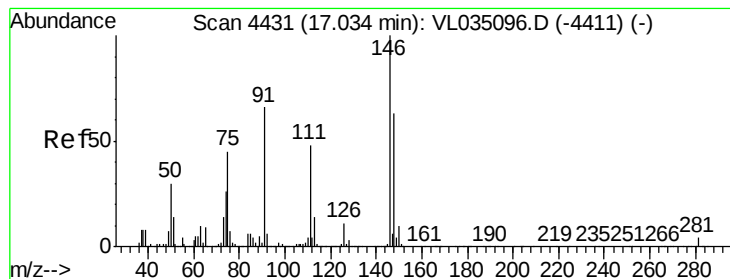
Tot Ion:105 Resp: 2762855
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.0 55.6



#74
 1,2,4-Trimethylbenzene
 Concen: 10.046 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 2875349
 Ion Ratio Lower Upper
 105 100
 120 44.0 37.9 56.9
 91 50.6 46.0 69.0
 77 21.1 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 9.674 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

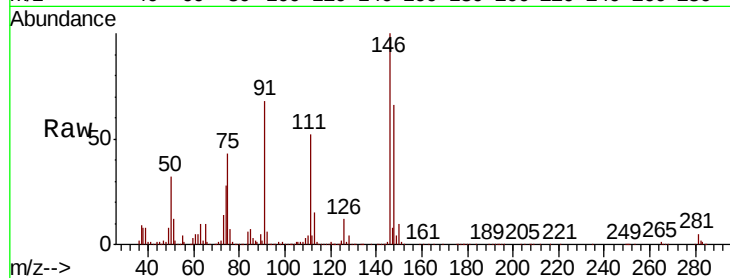
Tot Ion:146 Resp: 1652251

Ion Ratio Lower Upper

146 100

111 48.8 24.1 72.4

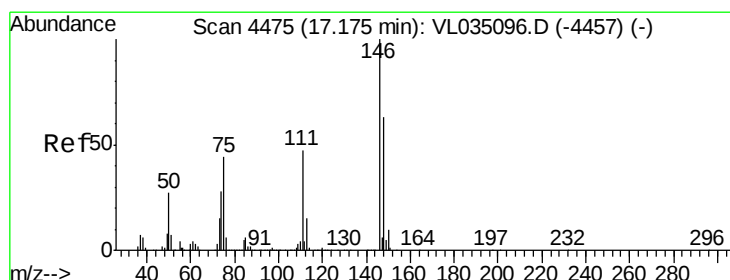
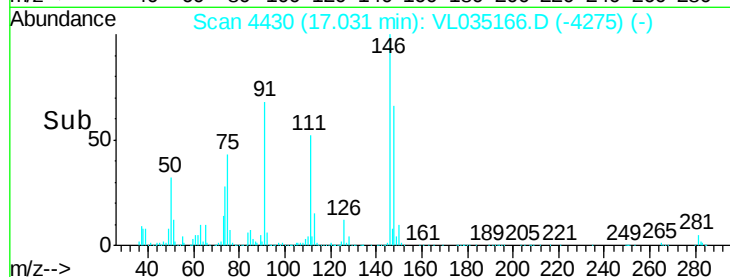
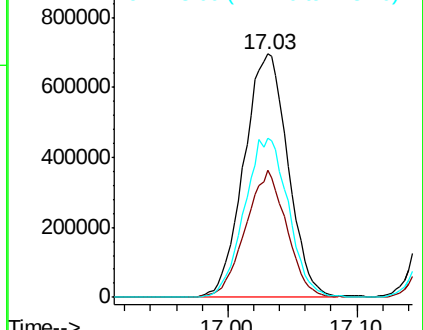
148 65.6 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.113 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

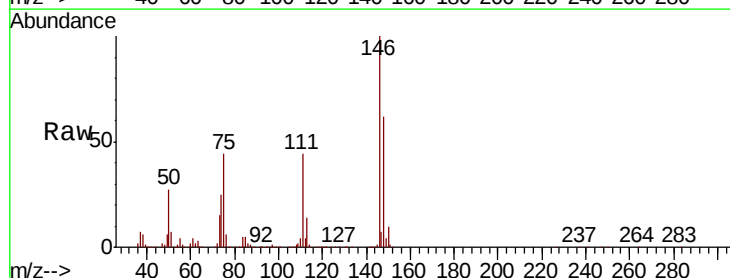
Tgt Ion:146 Resp: 1652367

Ion Ratio Lower Upper

146 100

111 47.5 23.5 70.5

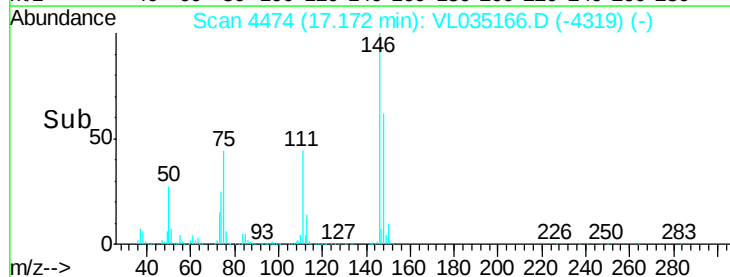
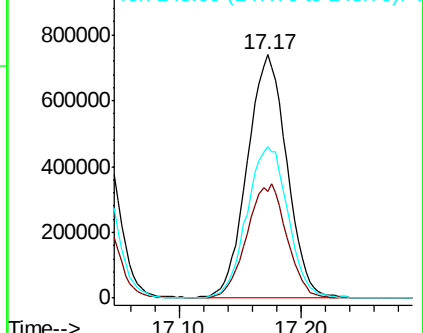
148 65.3 32.0 96.2

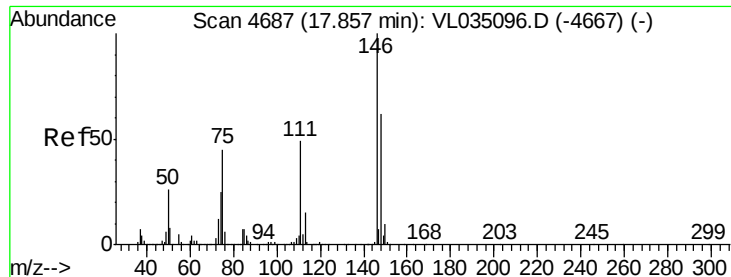


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

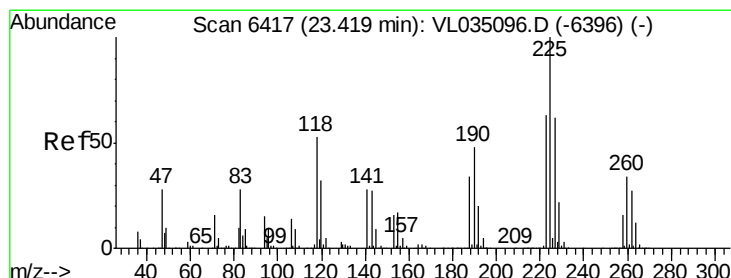
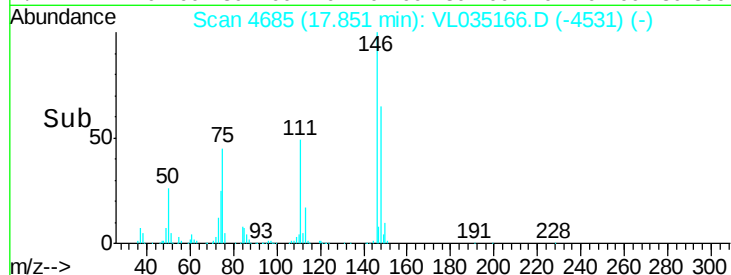
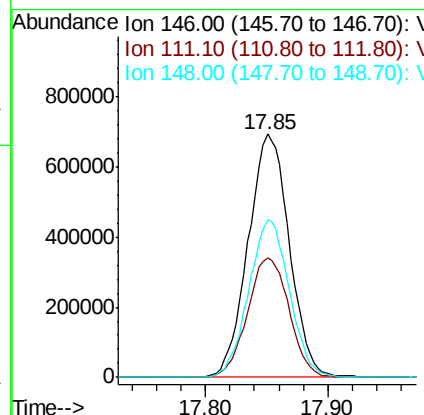
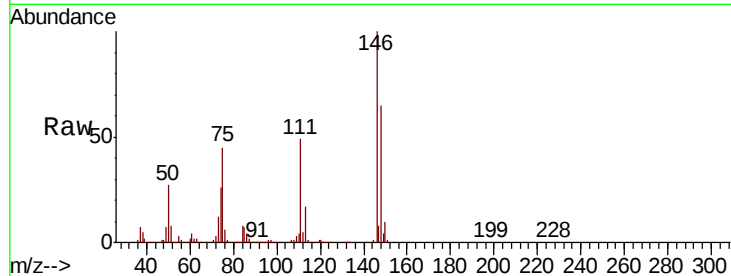




#77
 1,2-Dichlorobenzene
 Concen: 10.347 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

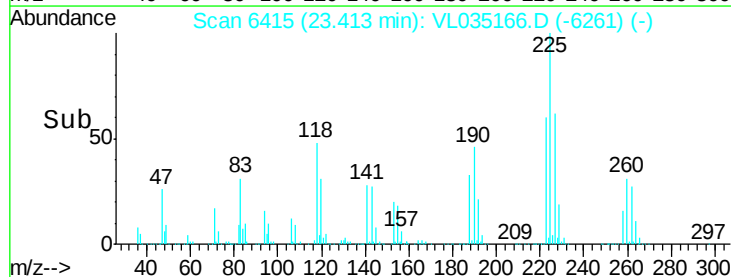
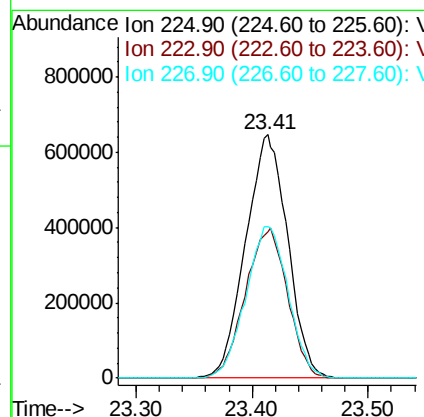
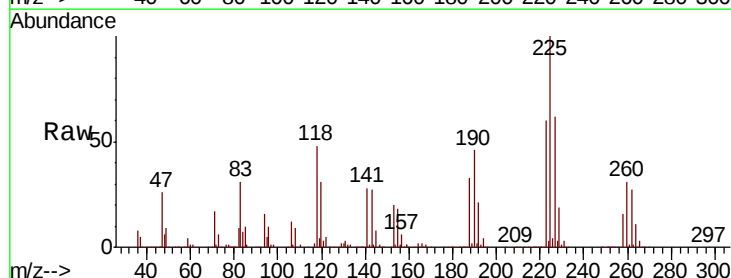
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

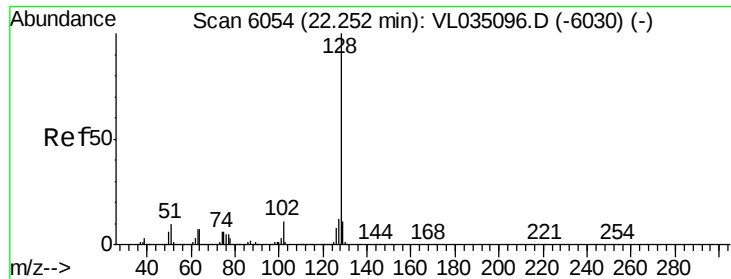
Tot Ion:146 Resp: 1617102
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.0 75.0
 148 64.2 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.580 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion:225 Resp: 1626830
 Ion Ratio Lower Upper
 225 100
 223 61.9 51.4 77.0
 227 62.8 51.8 77.8





#79

Naphthalene

Concen: 13.894 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

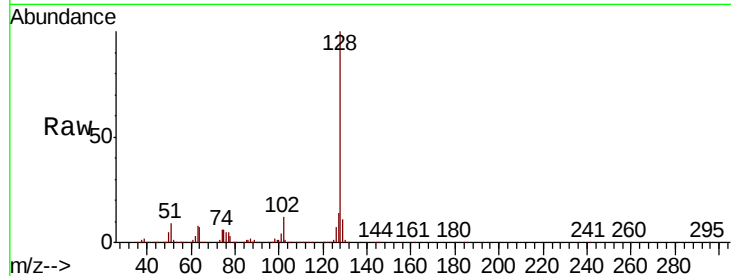
Tot Ion:128 Resp: 3486279

Ion Ratio Lower Upper

128 100

127 13.5 9.9 14.9

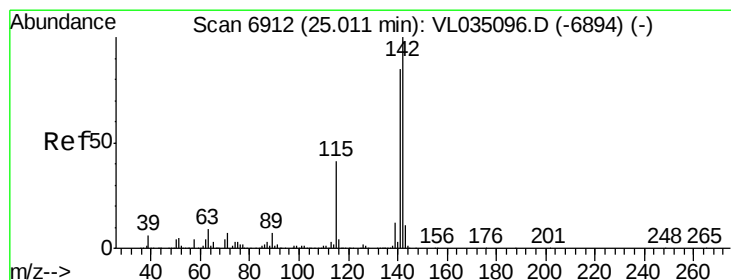
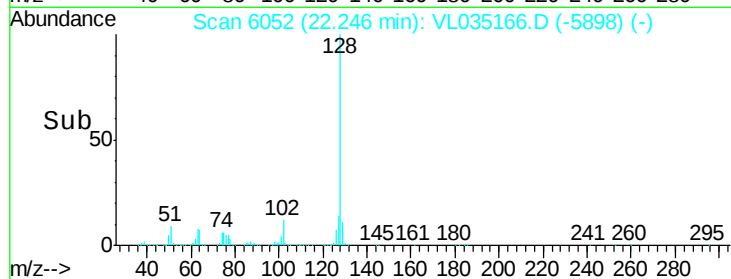
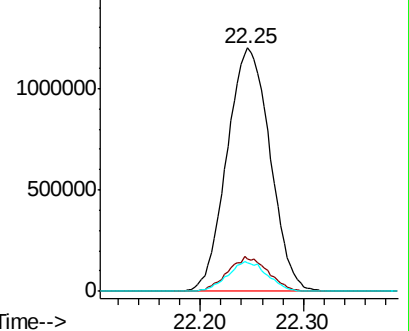
129 11.5 9.0 13.4



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: 14.125 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

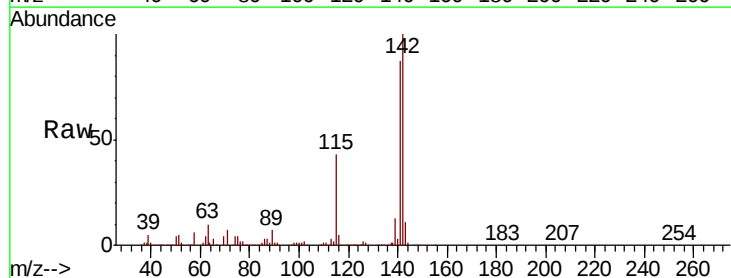
Tgt Ion:142 Resp: 1355221

Ion Ratio Lower Upper

142 100

141 86.9 67.5 101.3

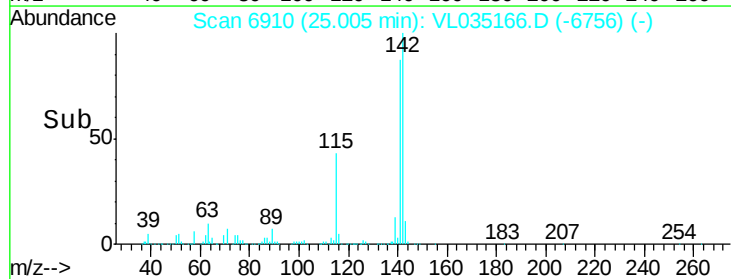
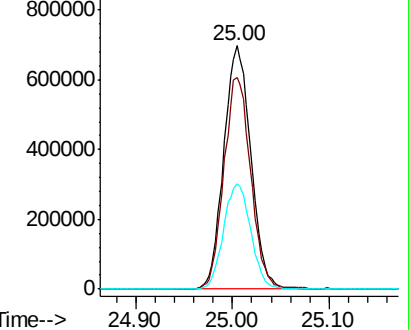
115 43.5 33.8 50.8

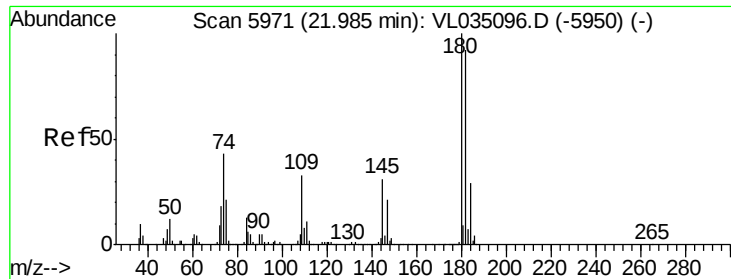


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 12.676 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

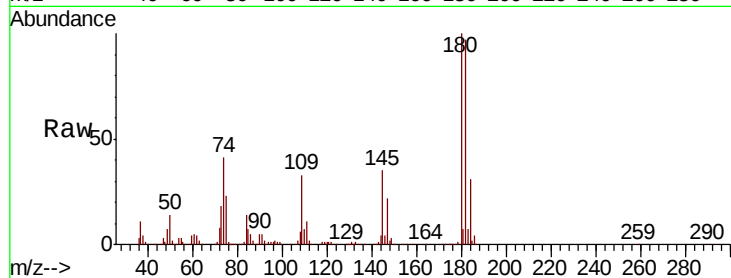
Tot Ion:180 Resp: 1834942

Ion Ratio Lower Upper

180 100

182 96.4 77.9 116.9

184 31.2 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

