

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035123.D
 Acq On : 30 Jun 2020 13:36
 Operator : SY/AP
 Sample : VL0630ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 02:56:10 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	5.66	49	1283746	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3070438	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	3628753	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2501529	8.30	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1565626	9.032	ppbv 98
3) Chlorodifluoromethane	2.95	51	1267411	8.937	ppbv 97
4) Chloromethane	3.11	50	727663	9.154	ppbv 99
5) Vinyl Chloride	3.22	62	731577	9.677	ppbv 96
6) Bromomethane	3.44	94	452635	9.642	ppbv 89
7) Chloroethane	3.53	64	274867	9.642	ppbv 90
8) Dichlorotetrafluoroethane	3.15	85	1708989	9.195	ppbv 99
9) Propene	2.97	41	521197	9.281	ppbv 99
10) Heptane	8.14	43	1468920	10.093	ppbv 100
11) Trichlorofluoromethane	3.92	101	1816941	9.811	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1262645	9.860	ppbv 99
13) Ethanol	3.57	45	145479	6.858	ppbv 97
14) Bromoethene	3.71	108	553985	10.036	ppbv 98
15) Acetone	3.82	43	1369941	8.827	ppbv 98
16) 1,3-Butadiene	3.29	39	657637	9.661	ppbv 100
17) tert-Butyl alcohol	4.27	59	1485657	10.801	ppbv 100
18) 1,1-Dichloroethene	4.27	96	587135	10.166	ppbv 99
19) Isopropyl Alcohol	3.94	45	986954	9.793	ppbv 100
20) Methylene Chloride	4.32	84	531453	8.460	ppbv 94
21) Allyl Chloride	4.39	41	969380	10.509	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	584922	10.825	ppbv 97
23) Vinyl Acetate	5.06	43	1887637	10.020	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1495252	9.414	ppbv 99
25) Ethyl Acetate	5.67	43	2574240	9.190	ppbv 100
26) Hexane	5.68	57	1168897	9.256	ppbv 98
27) Carbon Disulfide	4.53	76	1568150	11.999	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1792283	10.101	ppbv 99
29) Chloroform	5.75	83	1829782	9.259	ppbv 97
30) Cyclohexane	7.14	84	956313	10.551	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1150763	9.885	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	1789780	9.764	ppbv 100
34) 2-Butanone	5.23	43	1600243	9.075	ppbv 99
35) Carbon Tetrachloride	7.02	117	1853613	10.066	ppbv 97
36) Benzene	6.90	78	2252261	9.473	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1446985	9.630	ppbv 99
38) Trichloroethene	7.85	130	884731	9.580	ppbv 94
39) 1,2-Dichloropropane	7.63	63	891550	9.588	ppbv 97
40) 1,4-Dioxane	7.84	88	343141	9.355	ppbv # 94
41) Tetrahydrofuran	6.05	42	900086	9.994	ppbv 99
42) Bromodichloromethane	7.81	83	1938256	9.960	ppbv 93
43) Methyl Methacrylate	8.03	69	1039988	10.334	ppbv 100

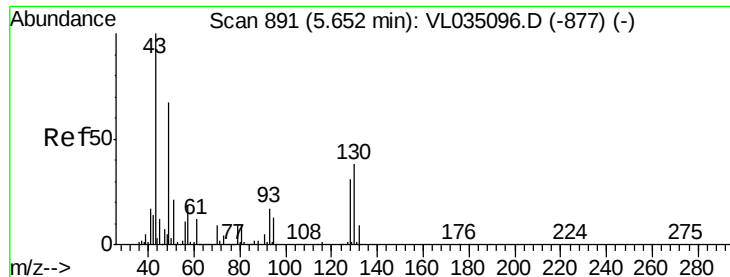
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035123.D
 Acq On : 30 Jun 2020 13:36
 Operator : SY/AP
 Sample : VL0630ABS01
 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Jul 01 02:56:10 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)
44) 2,2,4-Trimethylpentane	7.88	57	3951128	9.521	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1177843	12.026	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1360123	11.179	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	957651	9.436	ppbv	98
48) Dibromochloromethane	10.34	129	1587581	10.493	ppbv	99
49) Bromoform	13.09	173	1327751	10.330	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462030	9.828	ppbv	99
51) 2-Hexanone	10.16	43	1963503	10.008	ppbv #	100
52) Tetrachloroethene	11.26	164	796669	9.509	ppbv	96
53) Toluene	9.83	91	2637905	10.402	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1428447	9.506	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1194868	8.046	ppbv #	56
57) Chlorobenzene	12.19	112	1969483	7.376	ppbv	99
58) Ethyl Benzene	12.75	91	3481764	8.540	ppbv	98
59) m/p-Xylene	13.03	91	2506937	6.938	ppbv #	9
60) o-Xylene	13.73	91	2875650	7.994	ppbv	99
61) Styrene	13.57	104	2022623	8.935	ppbv	100
62) Isopropylbenzene	14.71	105	4208067	7.839	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1991897	6.837	ppbv	100
64) n-propylbenzene	15.61	120	1108182	8.090	ppbv	99
65) tert-Butylbenzene	16.79	119	3661820	7.966	ppbv	99
66) Benzyl Chloride	17.04	91	1432093	10.086	ppbv	99
67) sec-Butylbenzene	17.34	105	5229193	7.937	ppbv	100
69) p-Isopropyltoluene	17.70	119	4343767	8.266	ppbv	99
70) n-Butylbenzene	18.60	91	4670518	8.251	ppbv	99
71) 2-Chlorotoluene	15.50	91	3220939	7.938	ppbv	99
72) 4-Ethyltoluene	15.89	105	3311371	8.275	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3127139	8.267	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	3298566	7.813	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1908721	7.576	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1895859	7.866	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1853087	8.038	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1710722	8.255	ppbv	99
79) Naphthalene	22.27	128	3884704	10.495	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1459168	10.310	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2075613	9.721	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

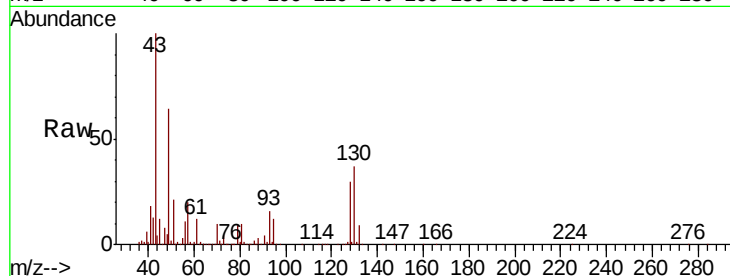
Tot Ion: 49 Resp: 1283746

Ion Ratio Lower Upper

49 100

128 46.7 22.9 68.5

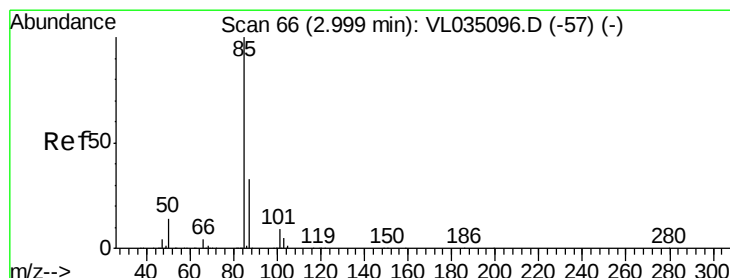
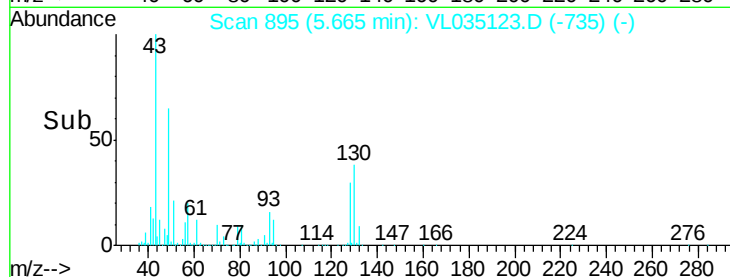
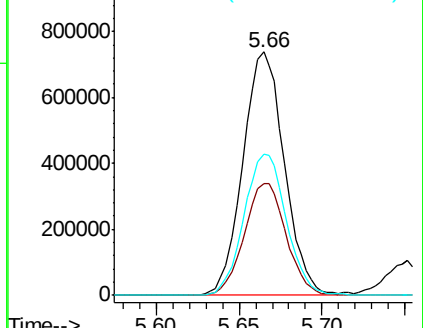
130 59.4 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.032 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035123.D

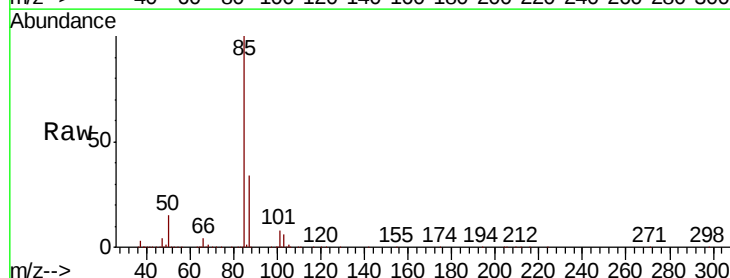
Acq: 30 Jun 2020 13:36

Tgt Ion: 85 Resp: 1565626

Ion Ratio Lower Upper

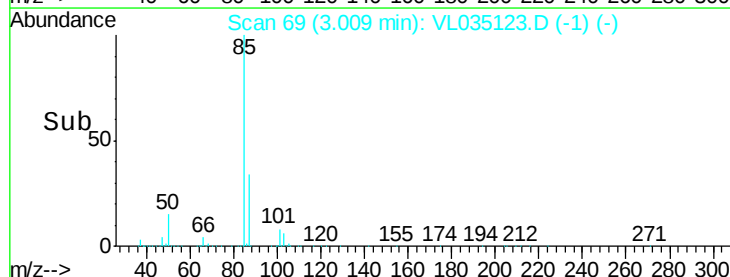
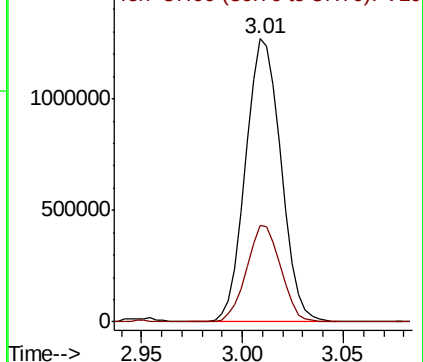
85 100

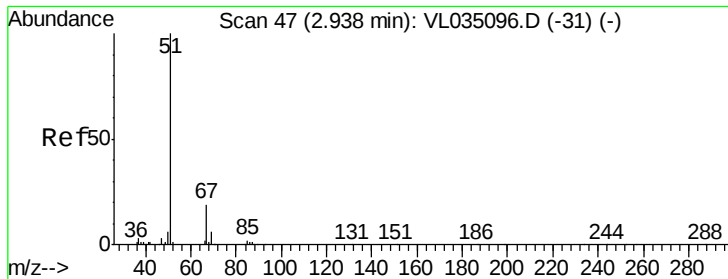
87 34.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.937 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

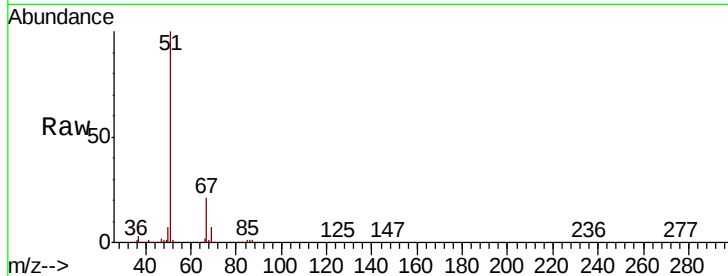
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 1267411

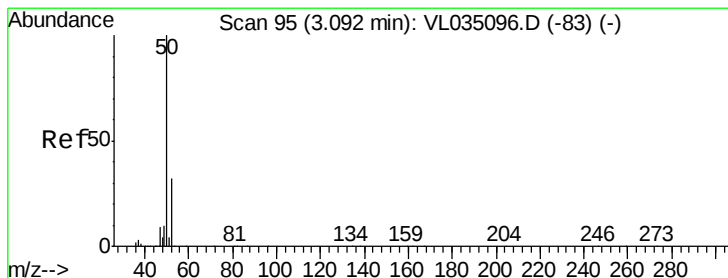
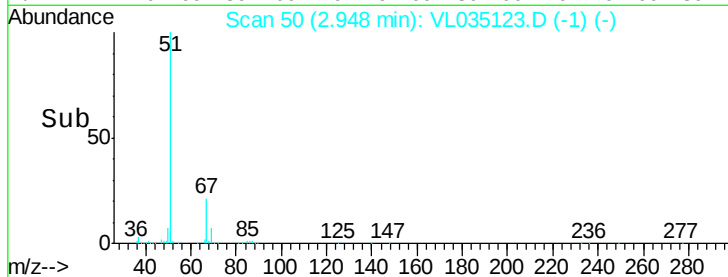
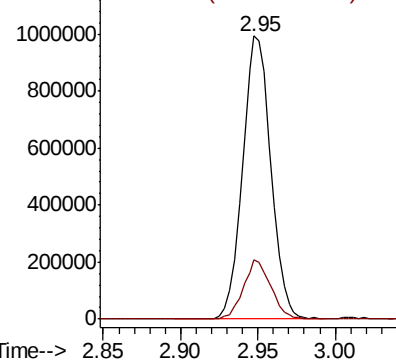
Ion Ratio Lower Upper

51 100

67 20.2 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.154 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035123.D

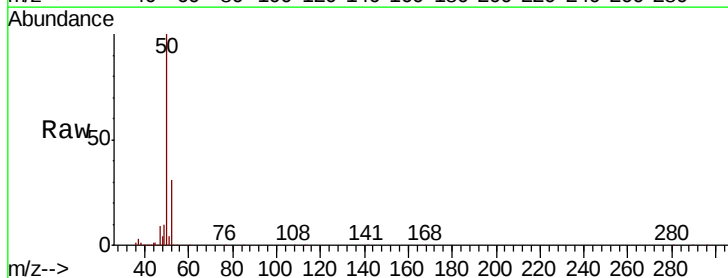
Acq: 30 Jun 2020 13:36

Tgt Ion: 50 Resp: 727663

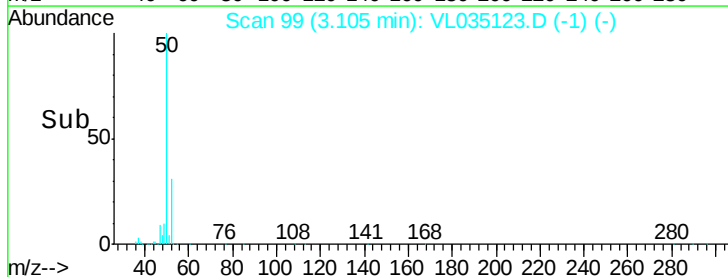
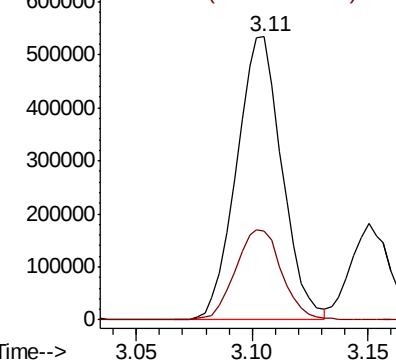
Ion Ratio Lower Upper

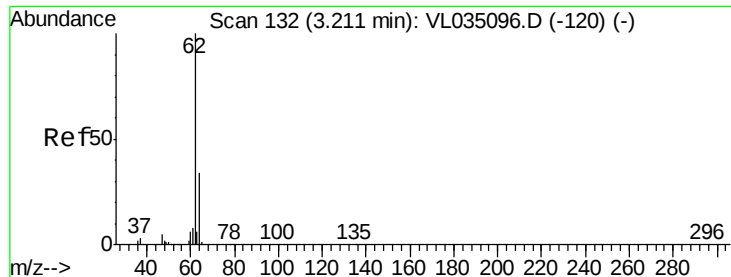
50 100

52 31.2 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.677 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

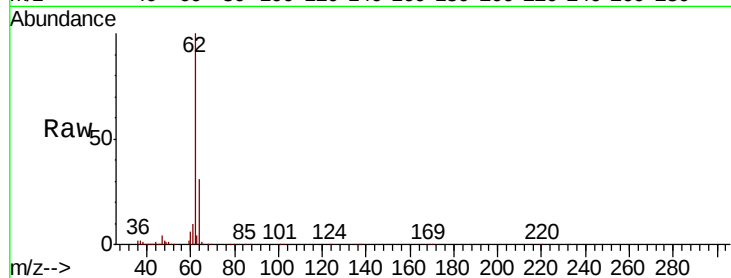
ClientSampled :

Tot Ion: 62 Resp: 731577

Ion Ratio Lower Upper

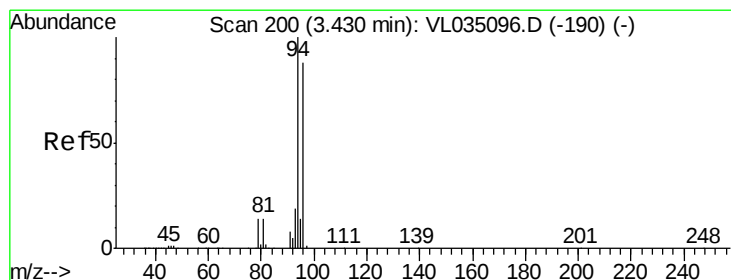
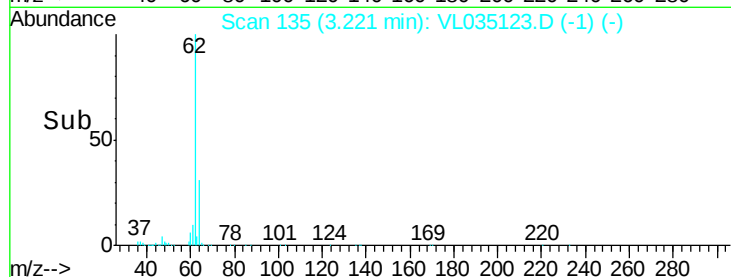
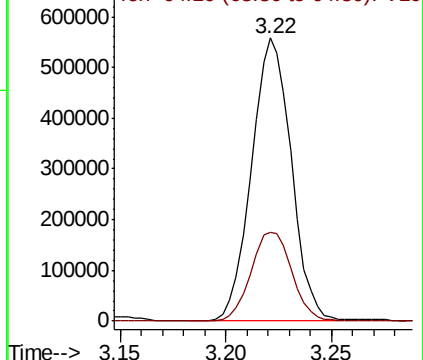
62 100

64 31.4 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: 9.642 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL035123.D

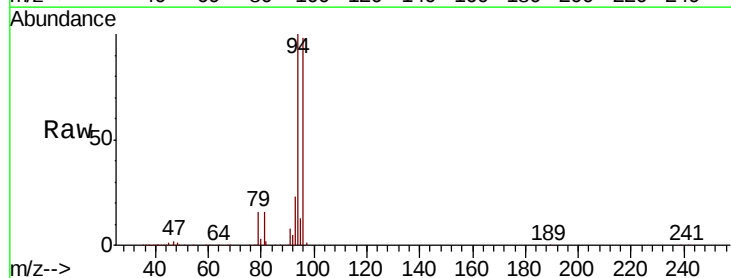
Acq: 30 Jun 2020 13:36

Tgt Ion: 94 Resp: 452635

Ion Ratio Lower Upper

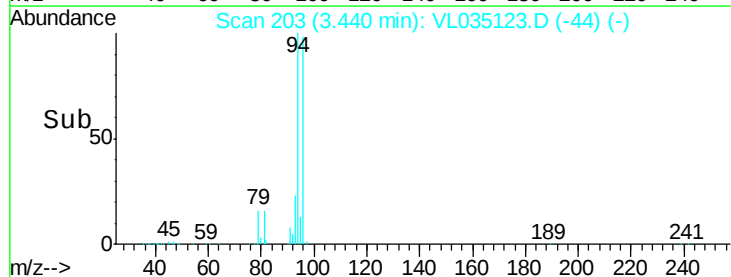
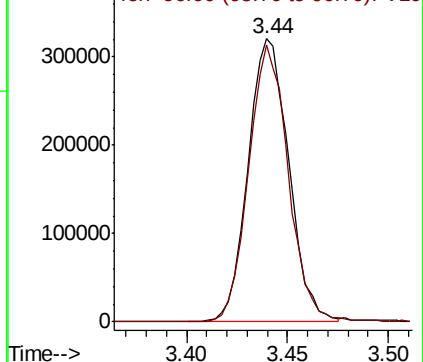
94 100

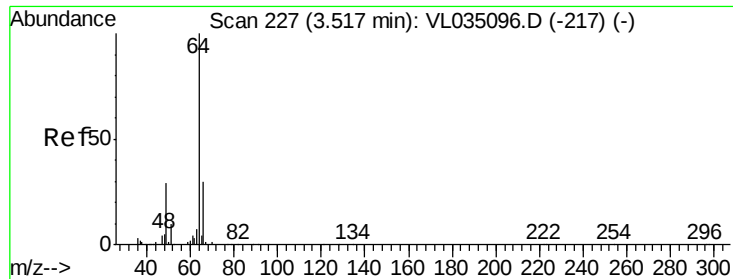
96 97.8 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.642 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

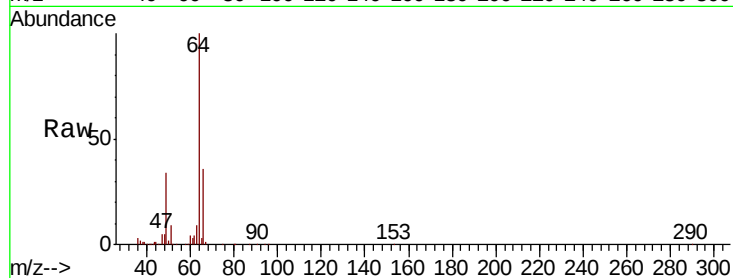
ClientSampleId :

Tot Ion: 64 Resp: 274867

Ion Ratio Lower Upper

64 100

66 35.8 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

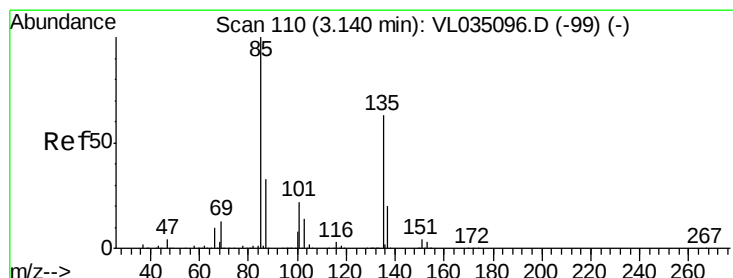
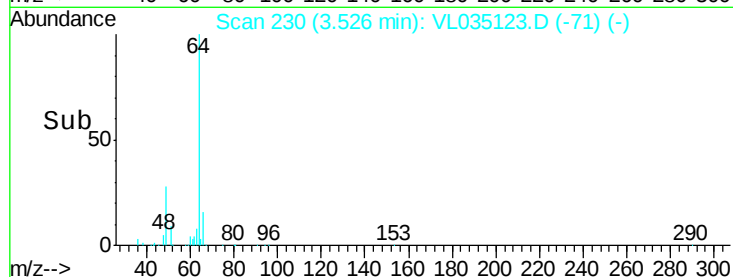
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.195 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL035123.D

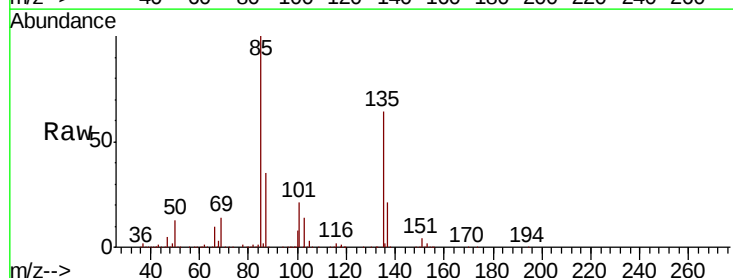
Acq: 30 Jun 2020 13:36

Tgt Ion: 85 Resp: 1708989

Ion Ratio Lower Upper

85 100

135 64.8 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

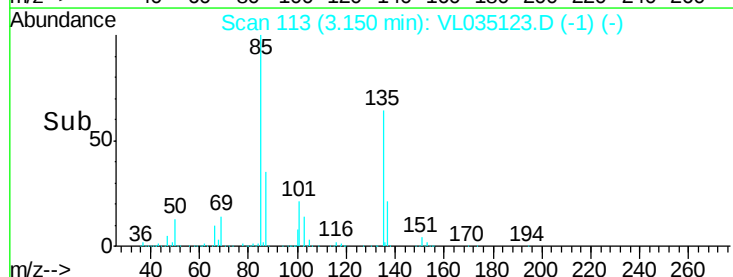
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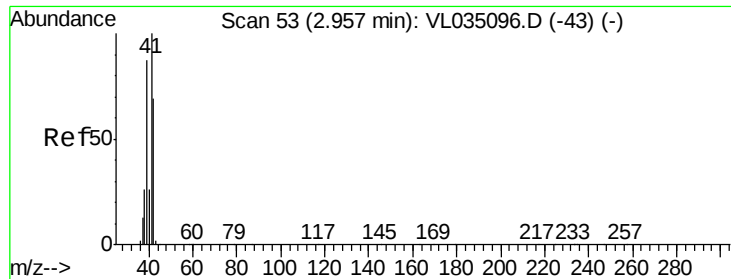
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500000

0

Time-->





#9

Propene

Concen: 9.281 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

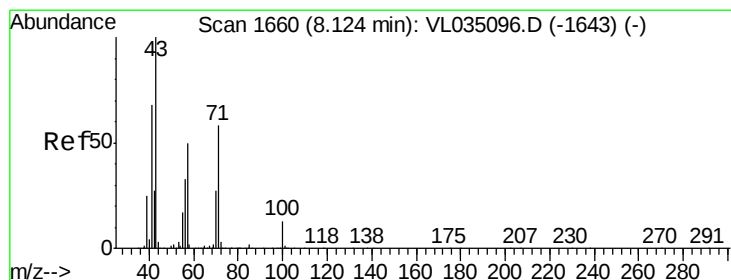
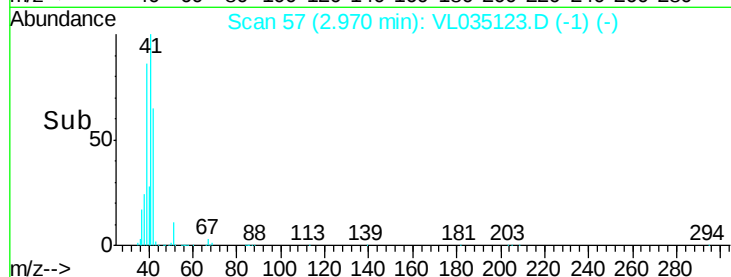
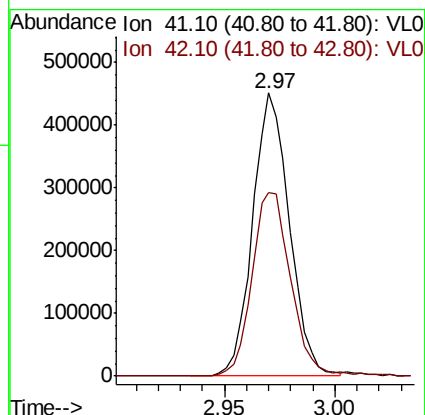
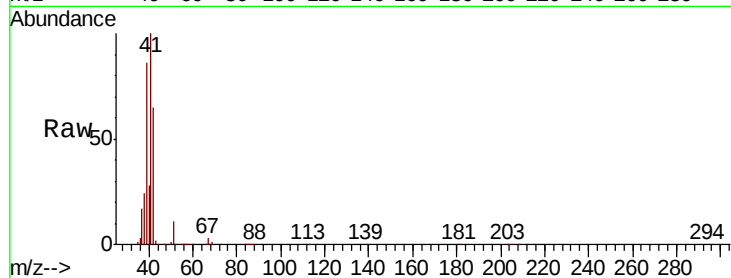
ClientSampleId :

Tot Ion: 41 Resp: 521197

Ion Ratio Lower Upper

41 100

42 68.9 55.8 83.6



#10

Heptane

Concen: 10.093 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035123.D

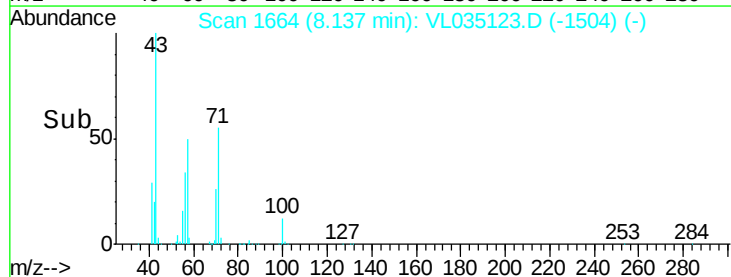
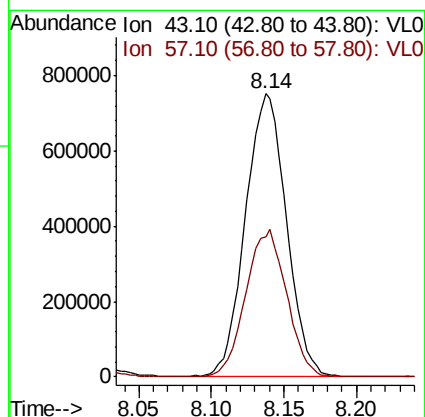
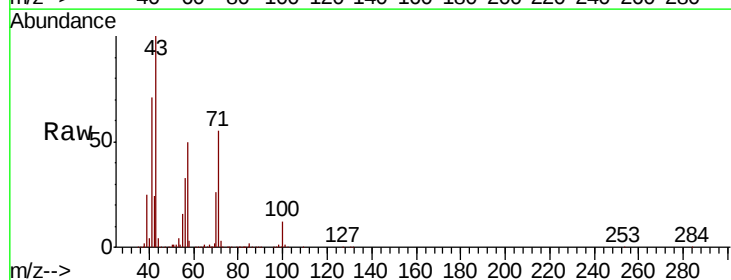
Acq: 30 Jun 2020 13:36

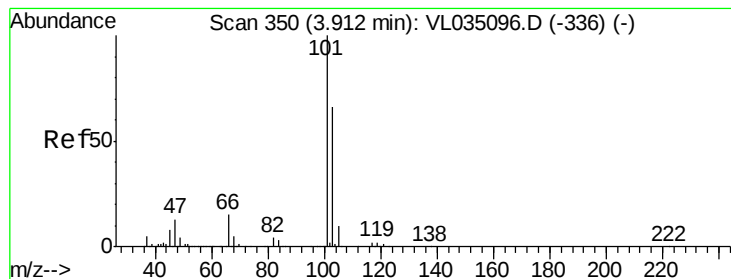
Tgt Ion: 43 Resp: 1468920

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.811 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

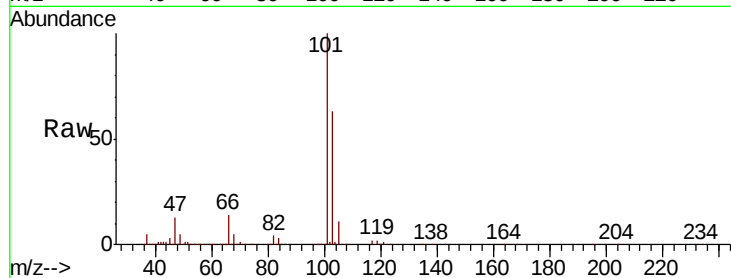
ClientSampleId :

Tot Ion:101 Resp: 1816941

Ion Ratio Lower Upper

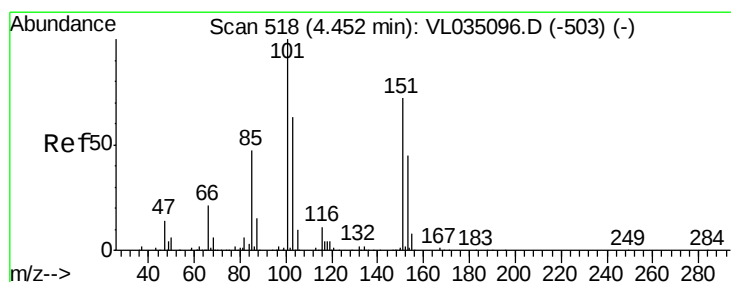
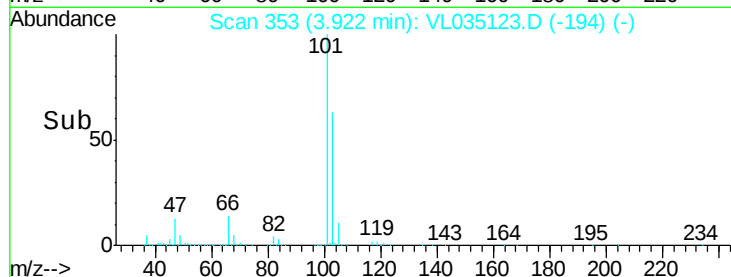
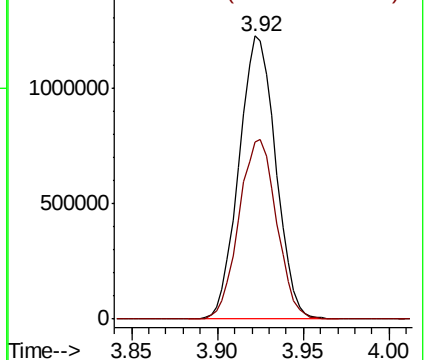
101 100

103 62.5 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.860 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL035123.D

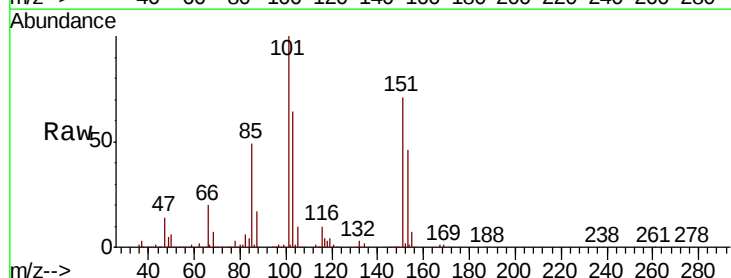
Acq: 30 Jun 2020 13:36

Tgt Ion:101 Resp: 1262645

Ion Ratio Lower Upper

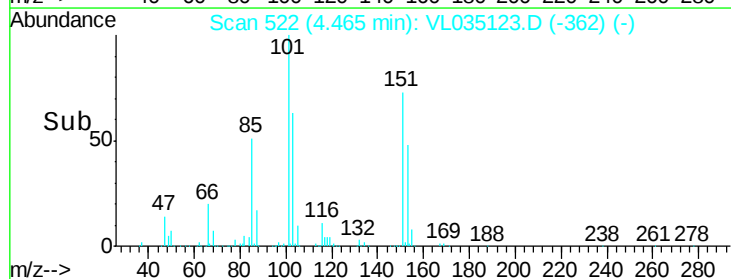
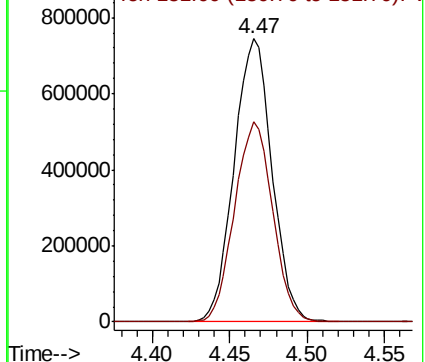
101 100

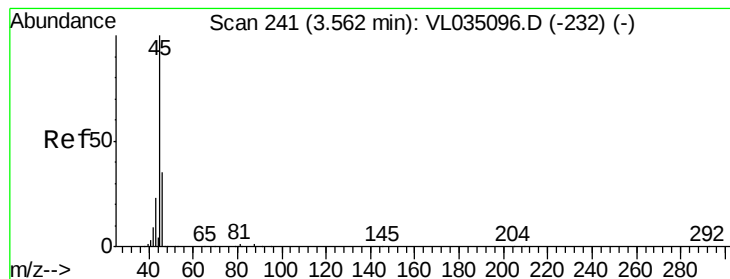
151 71.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.858 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

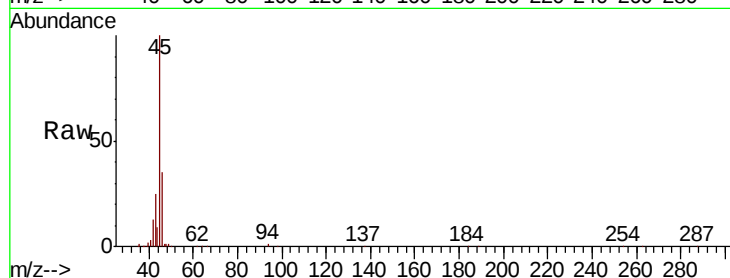
ClientSampleId :

Tot Ion: 45 Resp: 145479

Ion Ratio Lower Upper

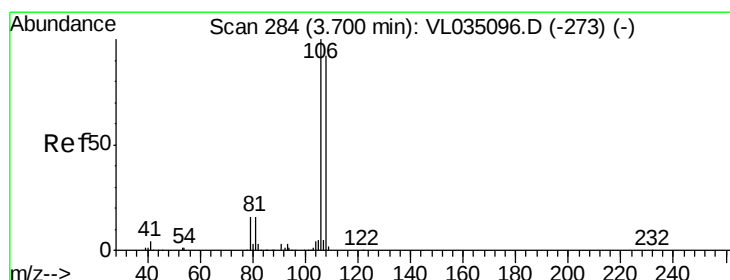
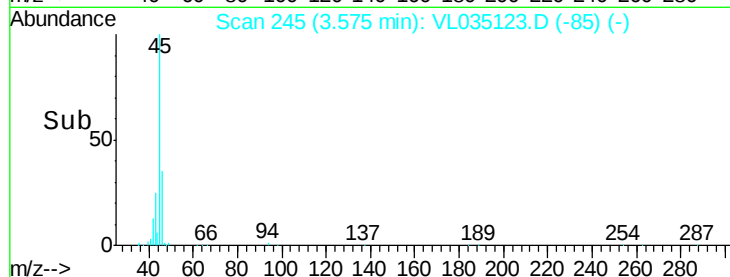
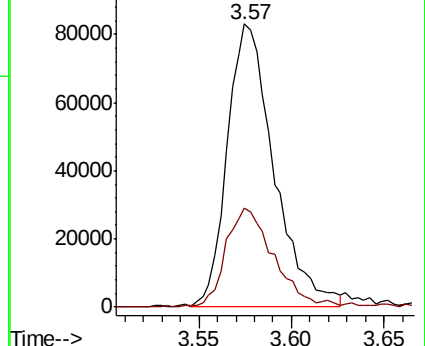
45 100

46 37.1 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.036 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

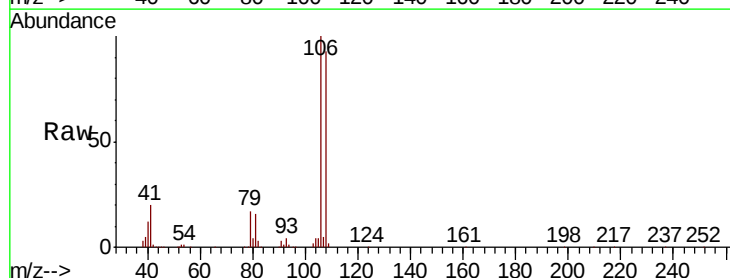
Tgt Ion: 108 Resp: 553985

Ion Ratio Lower Upper

108 100

106 107.1 84.4 126.6

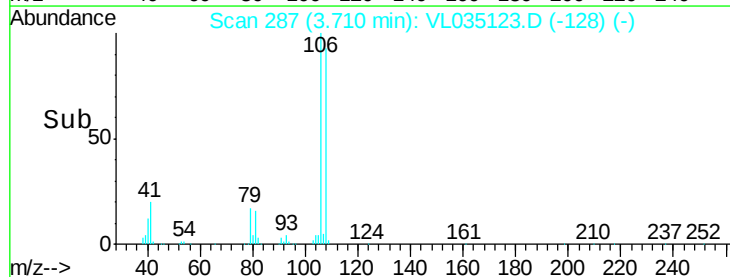
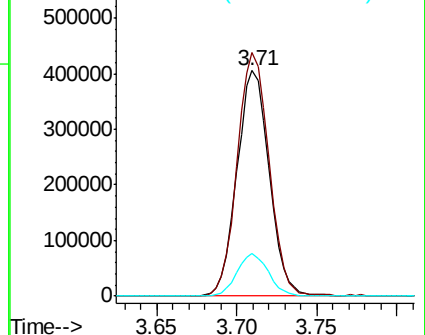
79 18.8 14.2 21.2

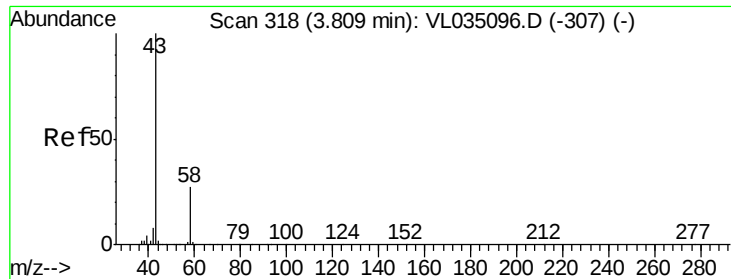


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.827 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

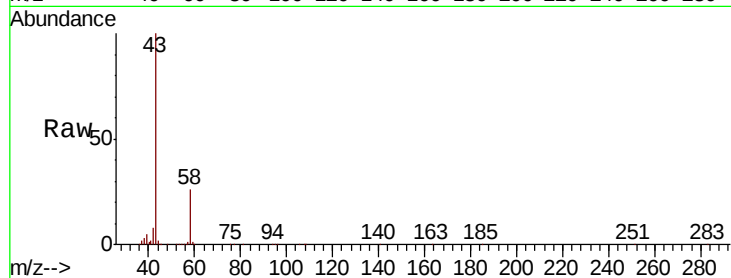
ClientSampleId :

Tot Ion: 43 Resp: 1369941

Ion Ratio Lower Upper

43 100

58 26.3 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

1000000

800000

600000

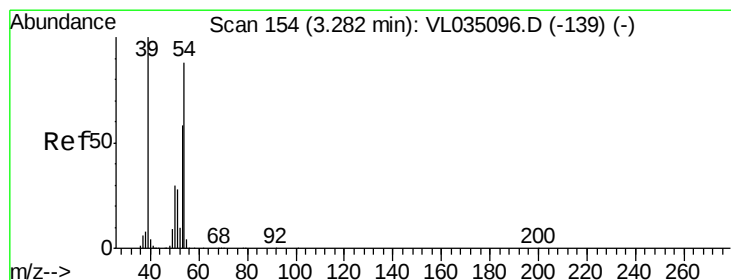
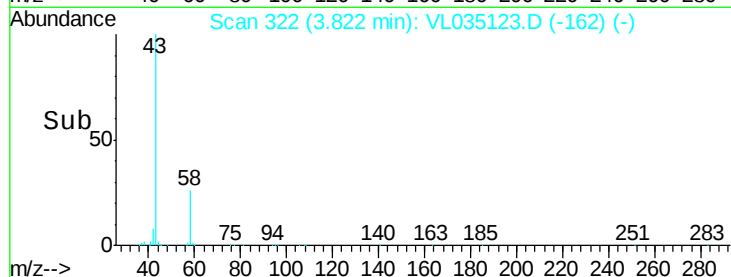
400000

200000

0

Time-->

3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.661 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035123.D

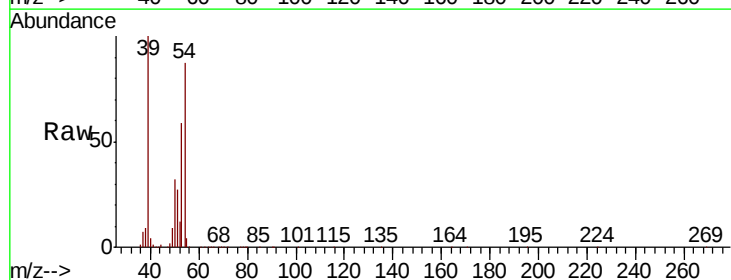
Acq: 30 Jun 2020 13:36

Tgt Ion: 39 Resp: 657637

Ion Ratio Lower Upper

39 100

54 83.8 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

500000

400000

300000

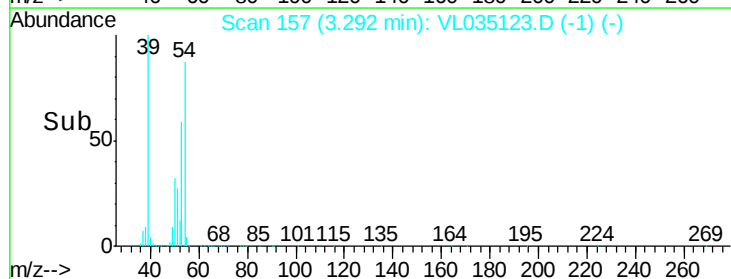
200000

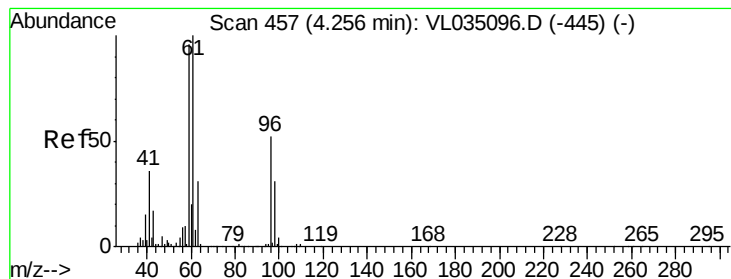
100000

0

Time-->

3.25 3.30



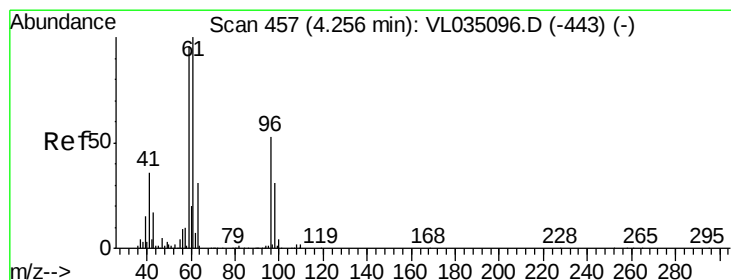
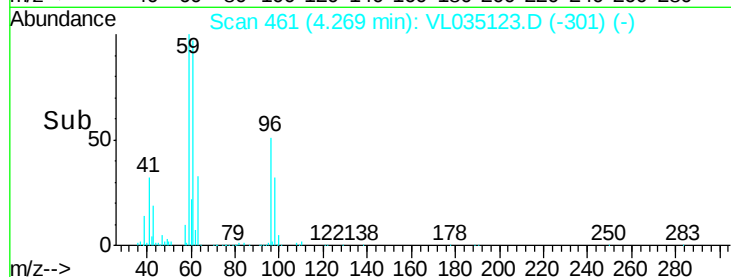
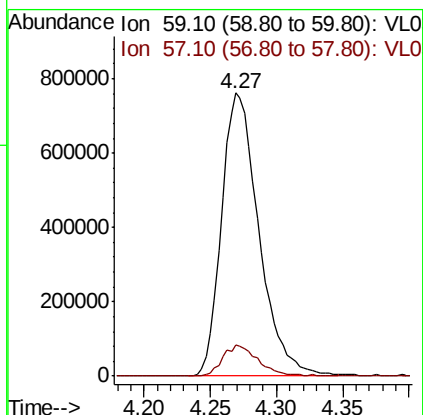
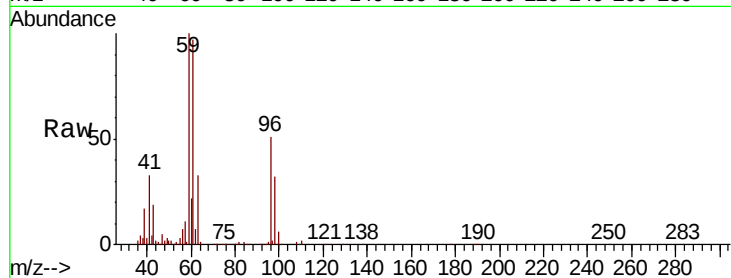


#17

tert-Butyl alcohol
 Concen: 10.801 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :

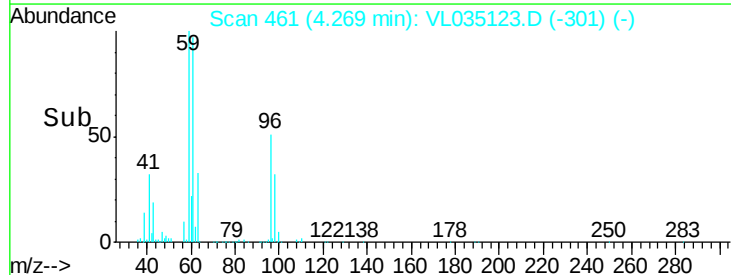
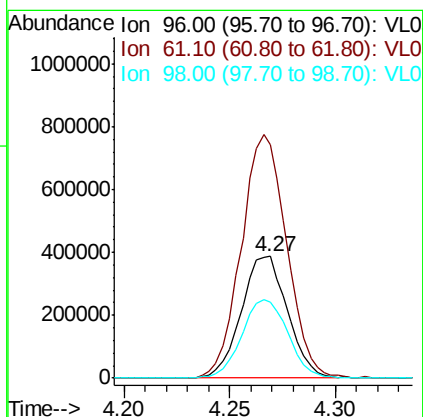
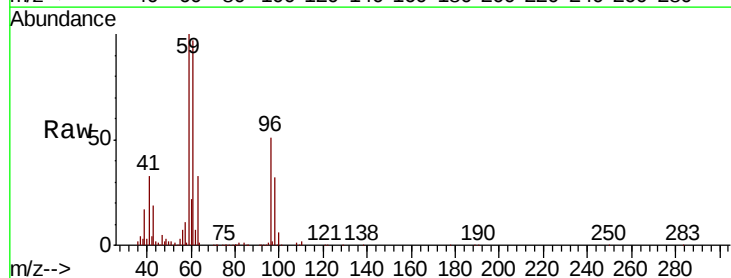
Tot Ion: 59 Resp: 1485657
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

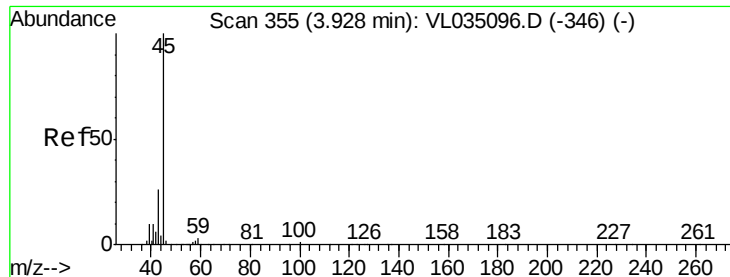


#18

1,1-Dichloroethene
 Concen: 10.166 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion: 96 Resp: 587135
 Ion Ratio Lower Upper
 96 100
 61 191.5 152.2 228.4
 98 62.0 47.7 71.5





#19

Isopropyl Alcohol

Concen: 9.793 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

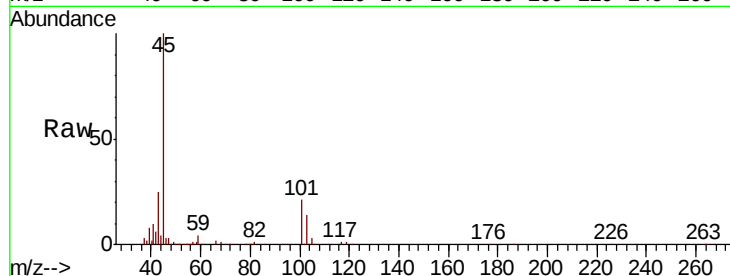
ClientSampleId :

Tot Ion: 45 Resp: 986954

Ion Ratio Lower Upper

45 100

58 2.1 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

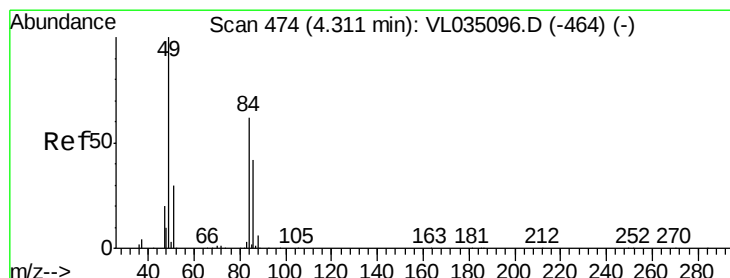
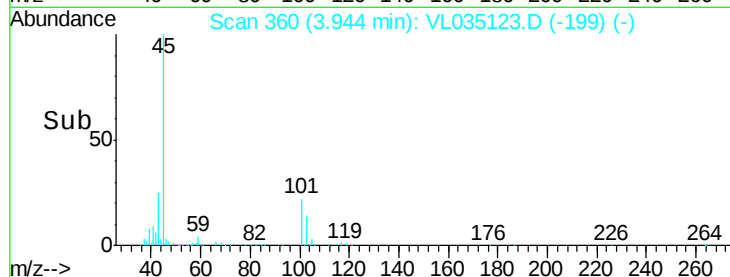
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.460 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 84 Resp: 531453

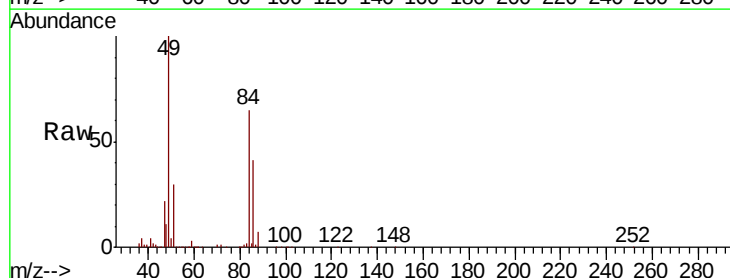
Ion Ratio Lower Upper

84 100

49 152.2 128.8 193.2

51 45.2 38.7 58.1

86 63.3 54.1 81.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

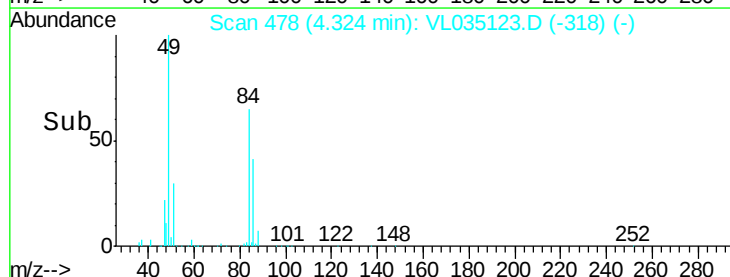
600000

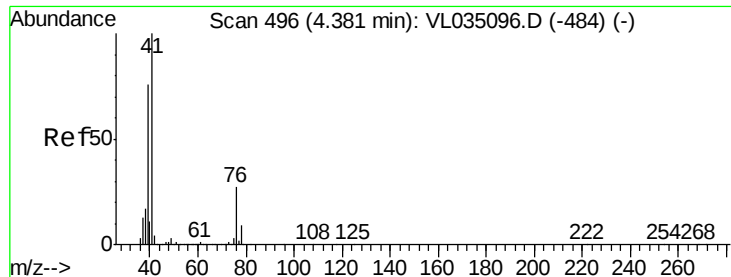
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.509 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

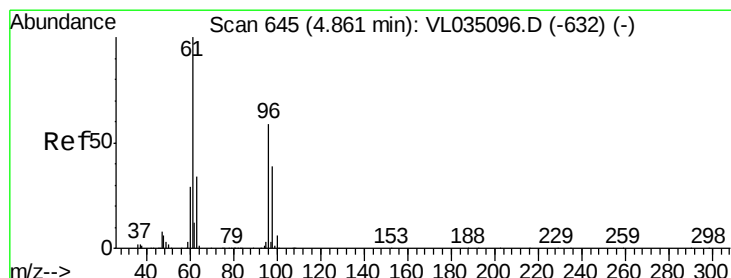
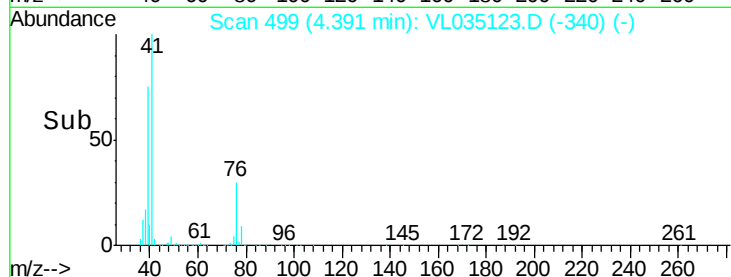
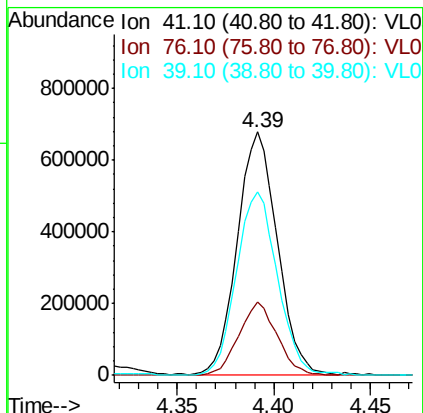
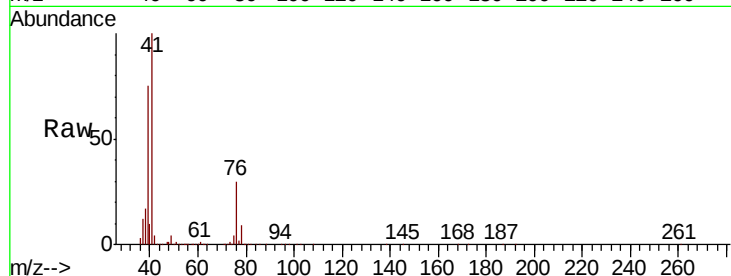
Tot Ion: 41 Resp: 969380

Ion Ratio Lower Upper

41 100

76 29.1 22.6 34.0

39 78.2 61.6 92.4



#22

trans-1,2-Dichloroethene

Concen: 10.825 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

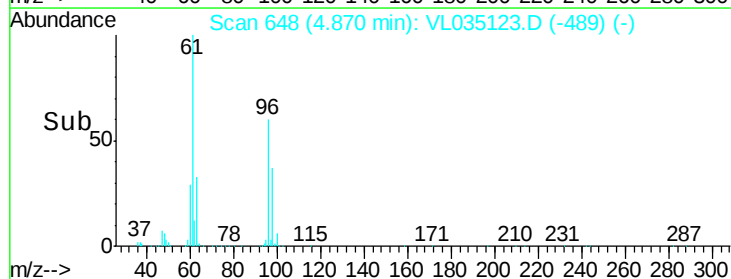
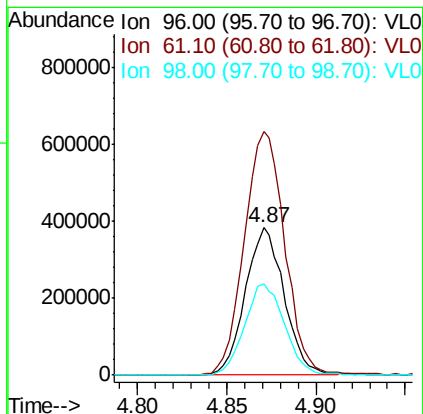
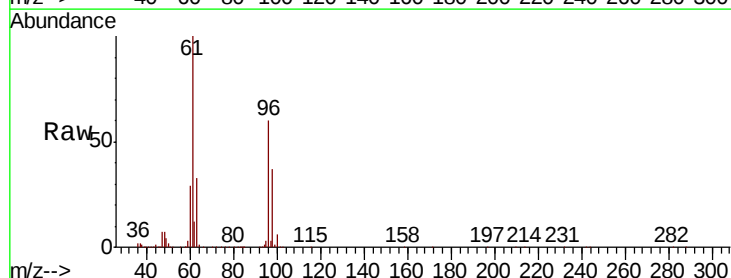
Tgt Ion: 96 Resp: 584922

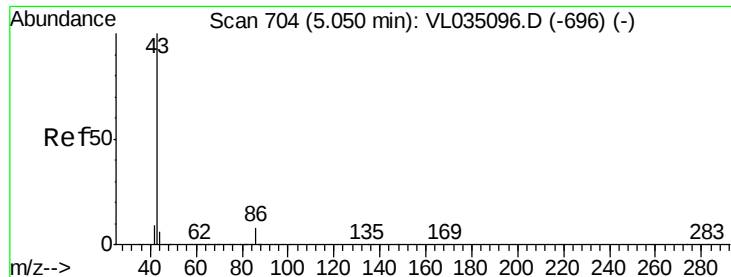
Ion Ratio Lower Upper

96 100

61 165.3 134.5 201.7

98 61.7 52.6 79.0





#23

Vinyl Acetate

Concen: 10.020 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1887637

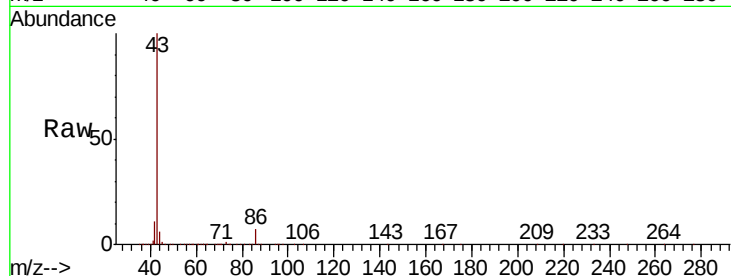
Ion Ratio Lower Upper

43 100

86 7.2 6.2 9.2

42 10.4 8.1 12.1

44 6.1 4.6 7.0

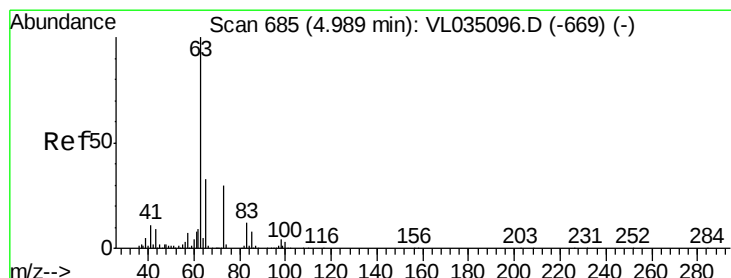
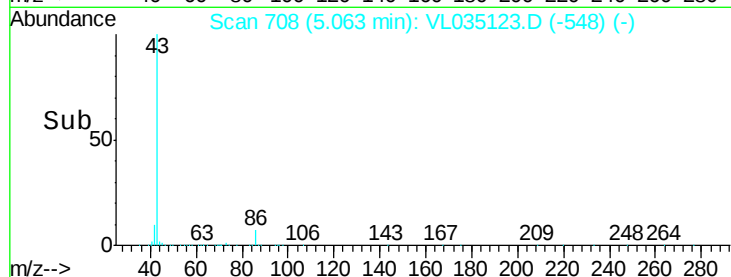
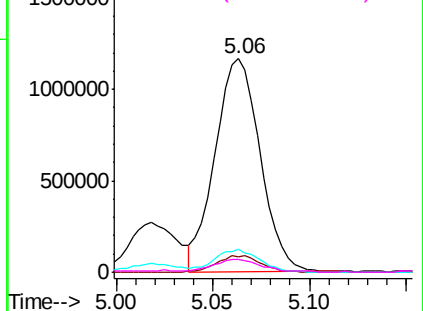


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 9.414 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

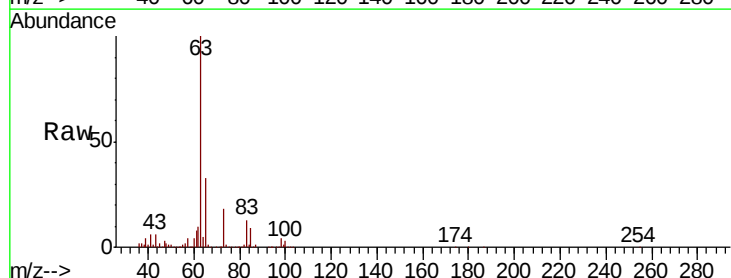
Tgt Ion: 63 Resp: 1495252

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

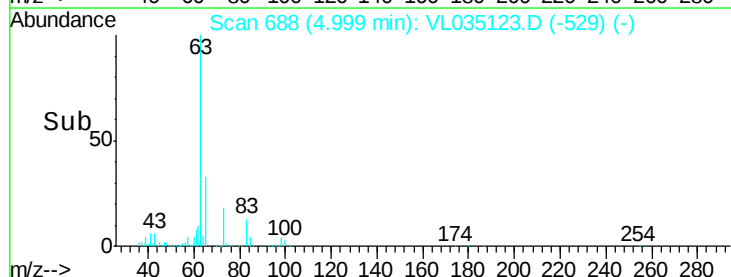
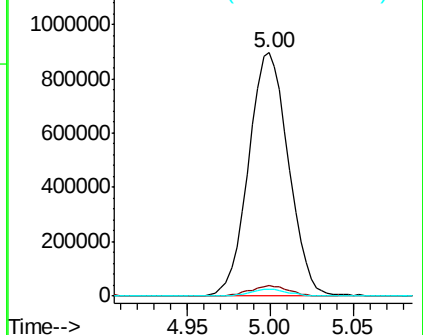
100 2.6 1.4 4.0

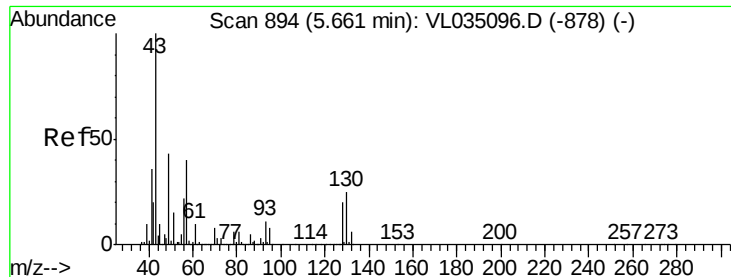


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



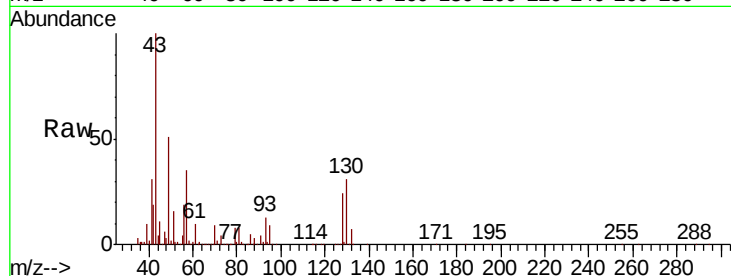


#25
Ethyl Acetate
Concen: 9.190 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2574240

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	10.0	8.0	12.0
70	7.8	6.3	9.5



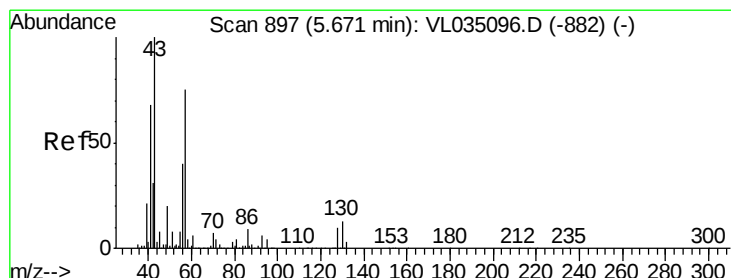
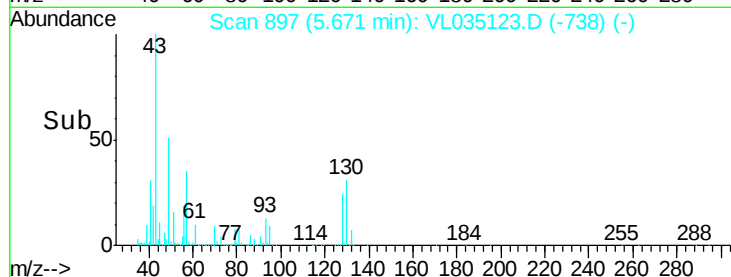
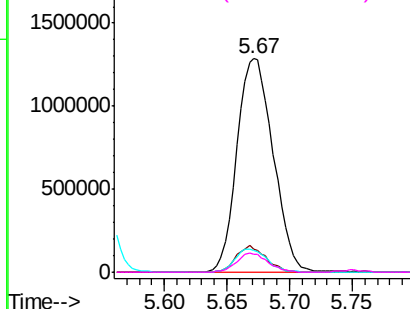
Abundance

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

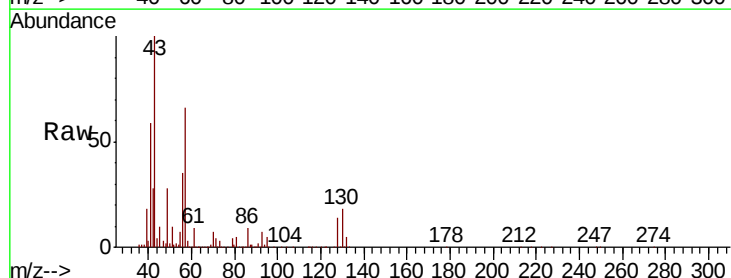
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.256 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 57 Resp: 1168897

Ion	Ratio	Lower	Upper
57	100		
41	90.9	72.9	109.3
43	221.2	181.3	271.9
56	53.1	43.1	64.7



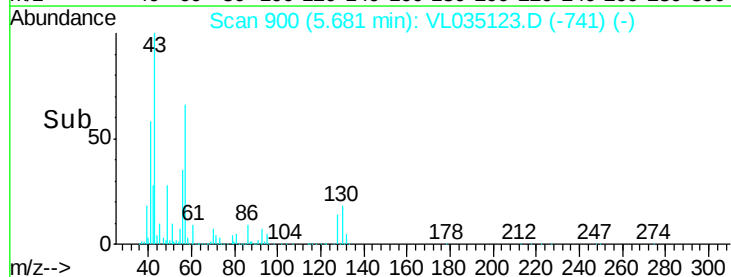
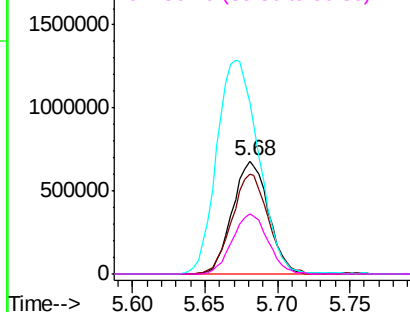
Abundance

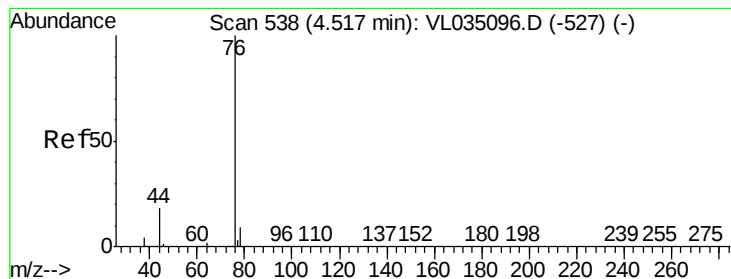
Ion 57.10 (56.80 to 57.80): VL0

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: 11.999 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

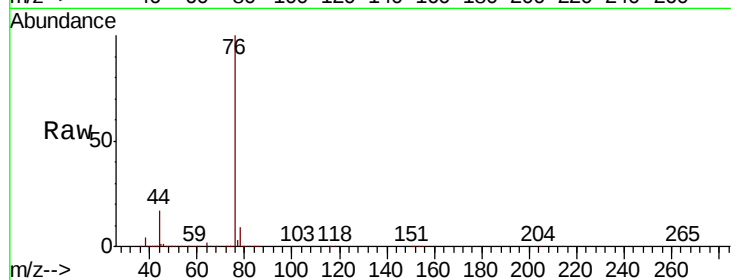
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1568150

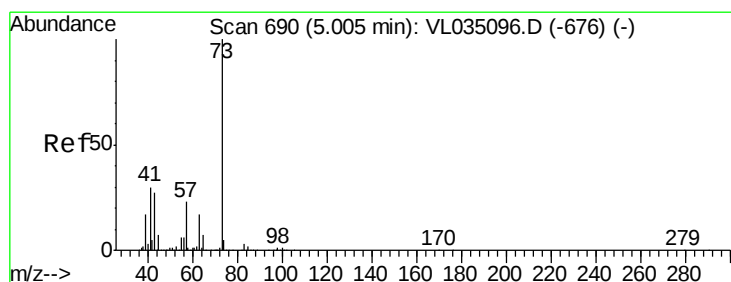
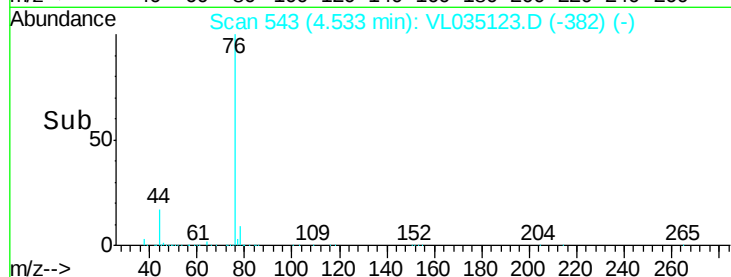
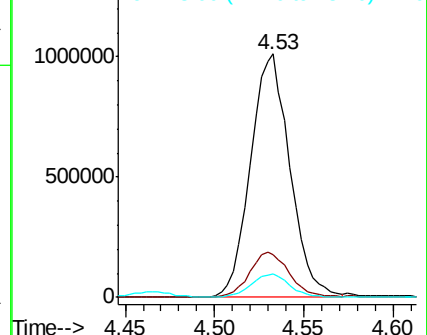
Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.8	23.8
78	9.3	7.6	11.4



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: 10.101 ppbv

RT: 5.02 min Scan# 695

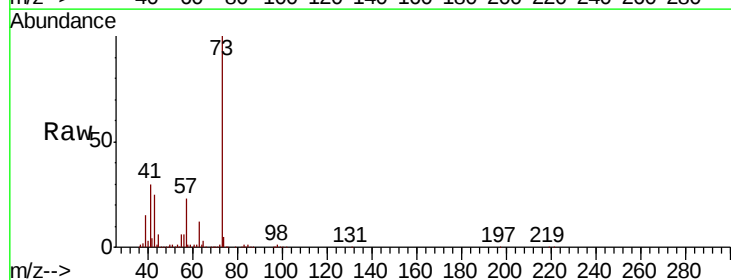
Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

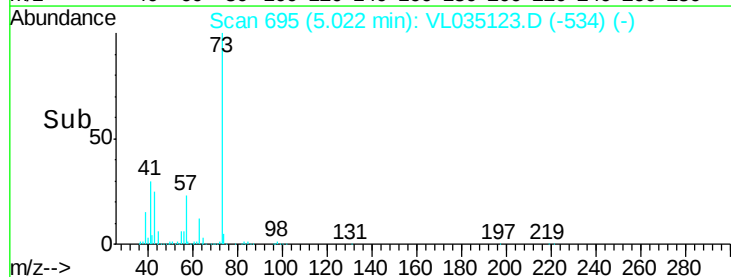
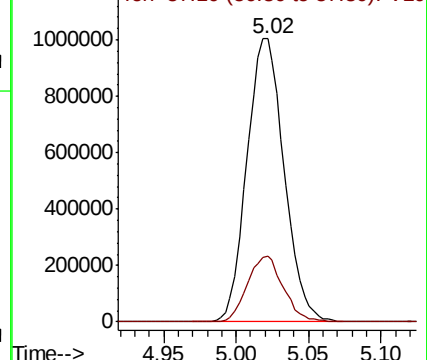
Tgt Ion: 73 Resp: 1792283

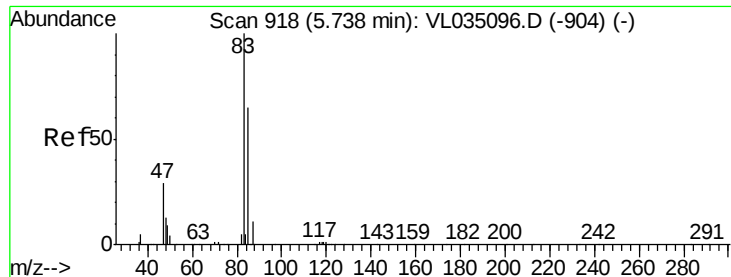
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

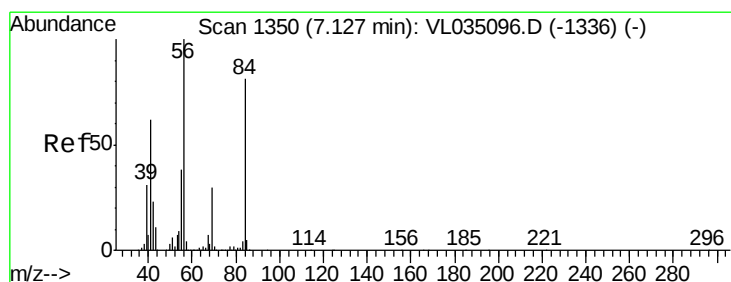
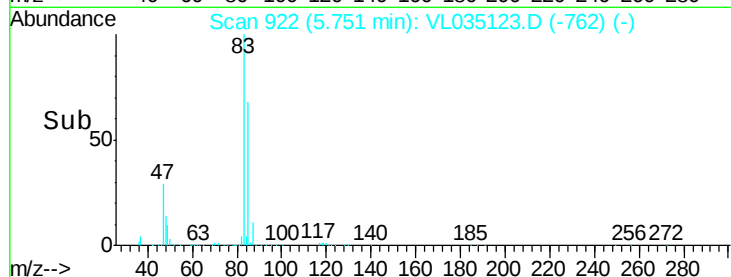
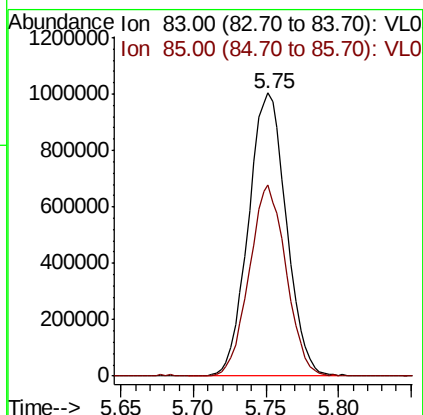
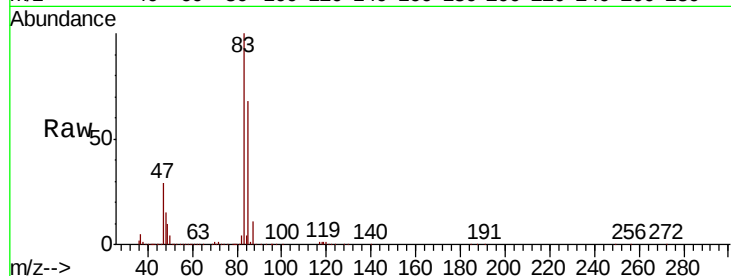




#29
Chloroform
Concen: 9.259 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

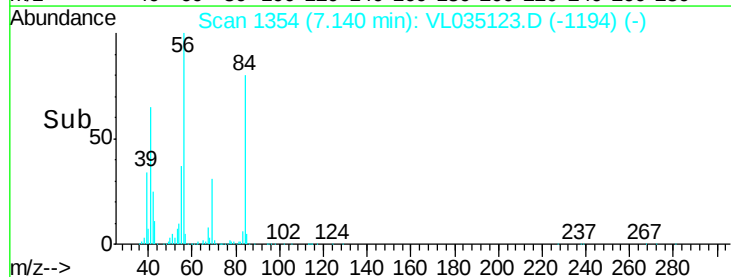
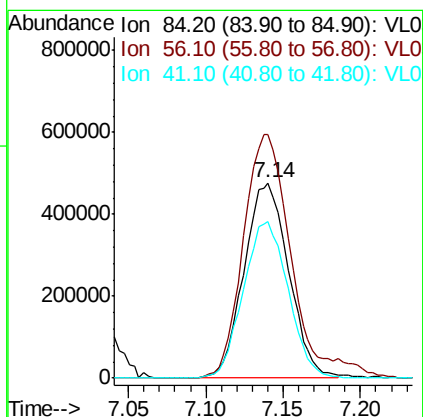
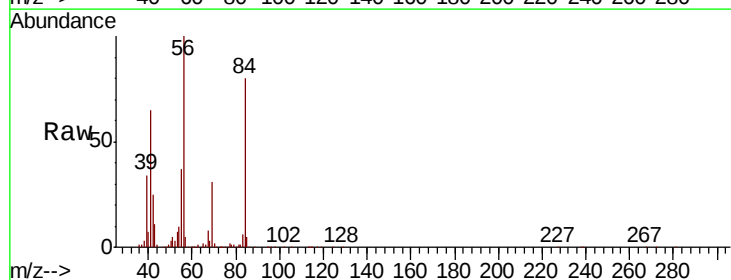
Instrument :
MSVOA_L
ClientSampled :

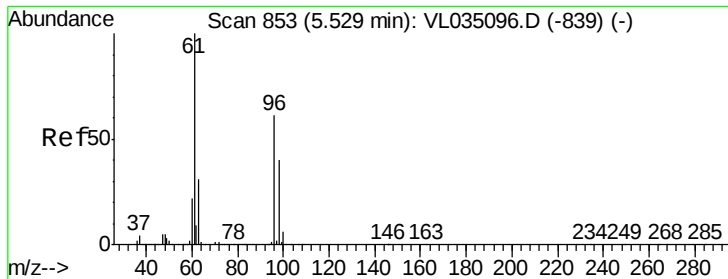
Tot Ion: 83 Resp: 1829782
Ion Ratio Lower Upper
83 100
85 67.4 52.1 78.1



#30
Cyclohexane
Concen: 10.551 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 84 Resp: 956313
Ion Ratio Lower Upper
84 100
56 134.7 108.0 162.0
41 80.9 65.6 98.4



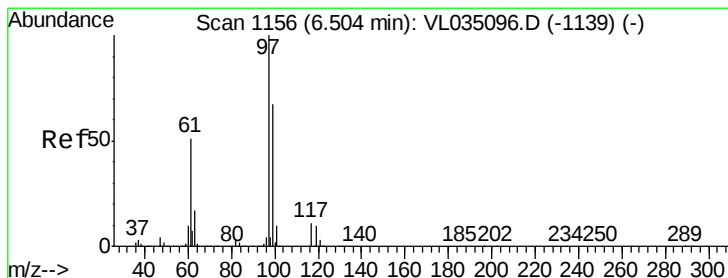
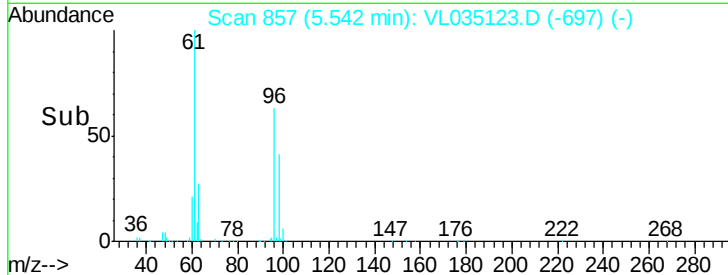
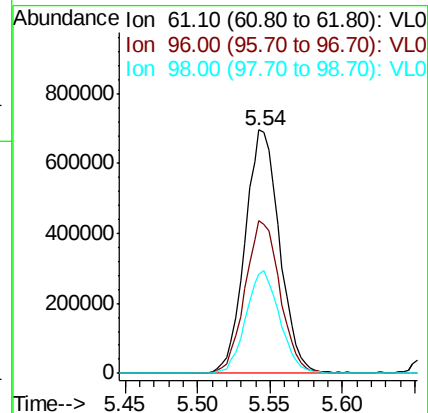
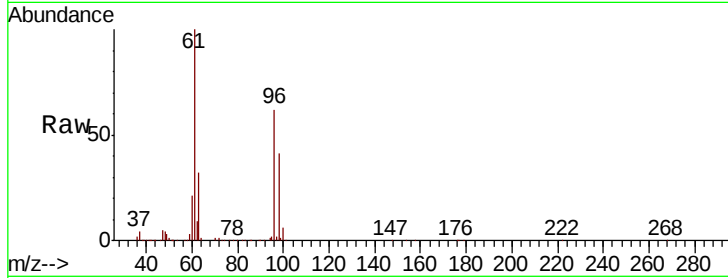


#31

cis-1,2-Dichloroethene
Concen: 9.885 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampled :

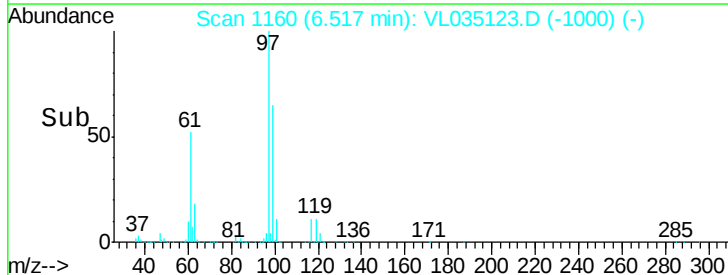
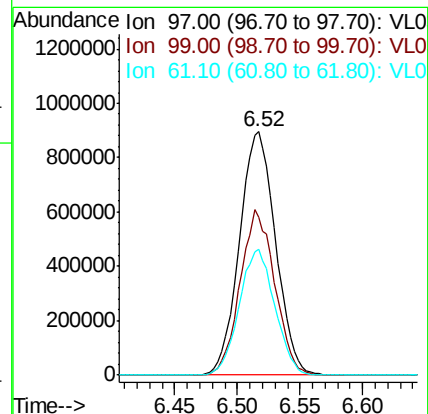
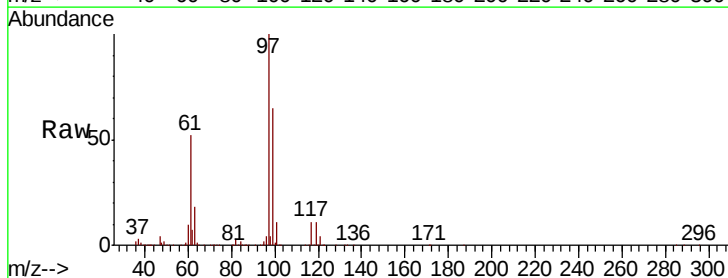
Tot Ion: 61 Resp: 1150763
Ion Ratio Lower Upper
61 100
96 62.5 48.8 73.2
98 40.5 31.9 47.9

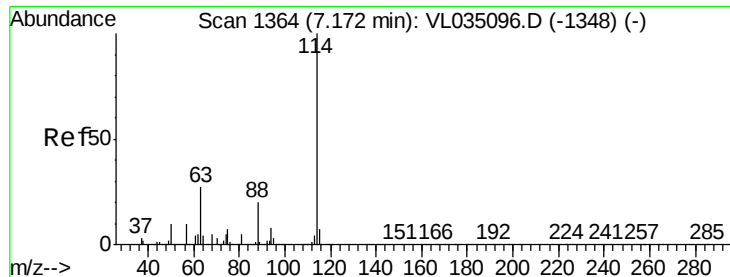


#32

1,1,1-Trichloroethane
Concen: 9.764 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 97 Resp: 1789780
Ion Ratio Lower Upper
97 100
99 65.4 52.0 78.0
61 51.1 41.0 61.6

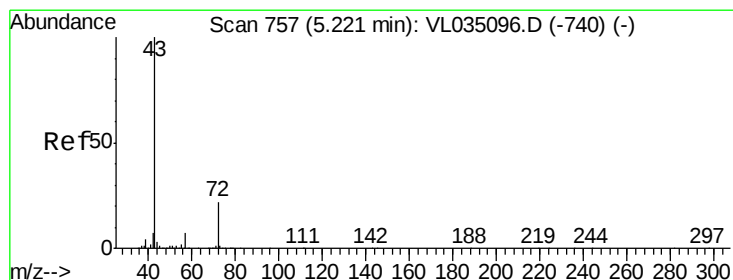
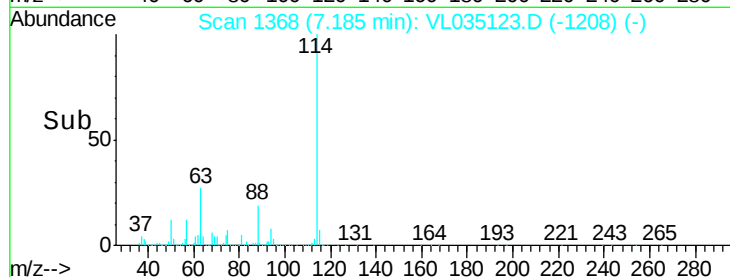
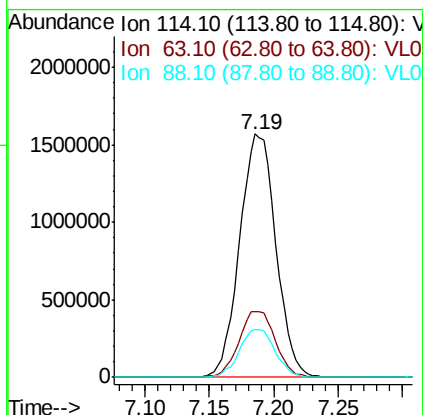
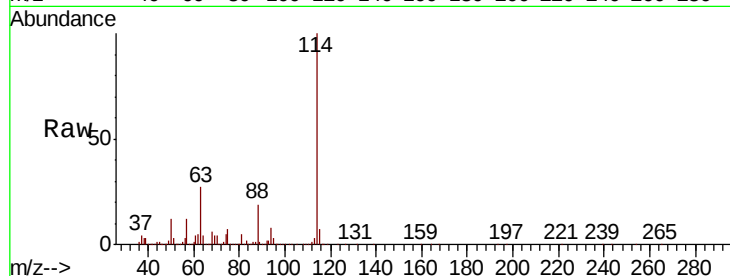




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

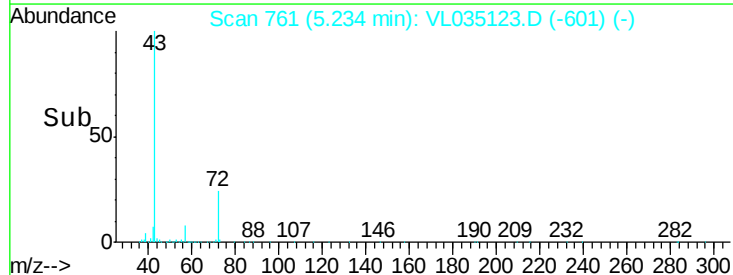
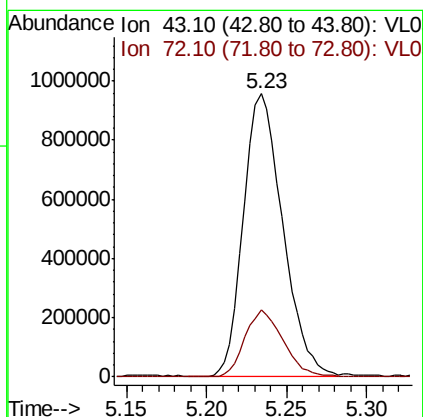
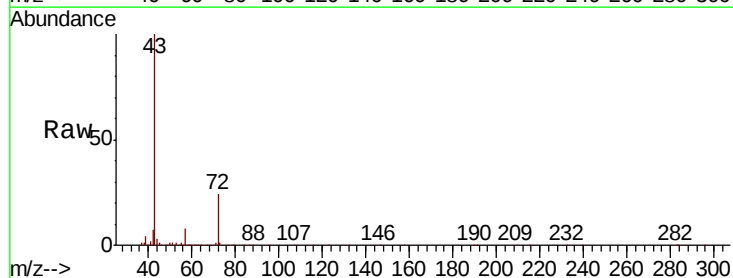
Instrument :
 MSVOA_L
 ClientSampleId :

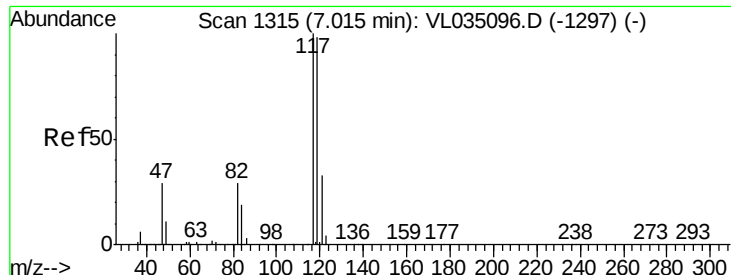
Tot Ion:114 Resp: 3070438
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.9 32.9
 88 19.6 15.6 23.4



#34
 2-Butanone
 Concen: 9.075 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion: 43 Resp: 1600243
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.3 27.5

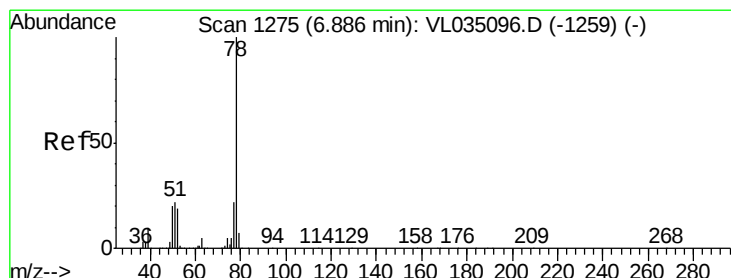
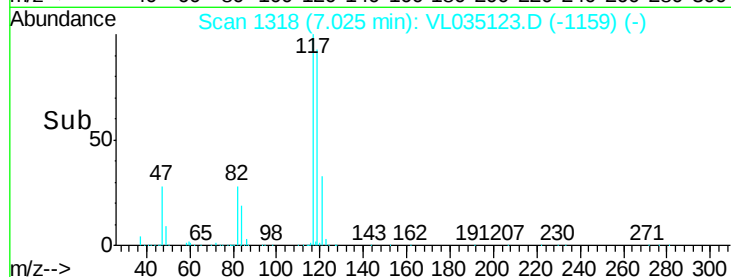
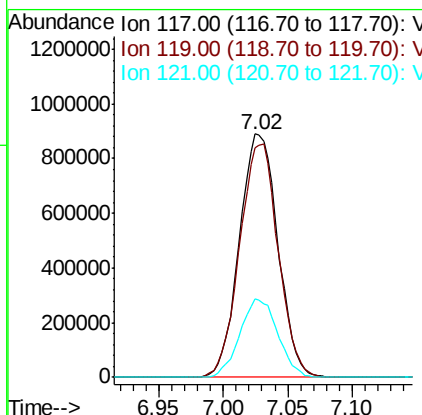
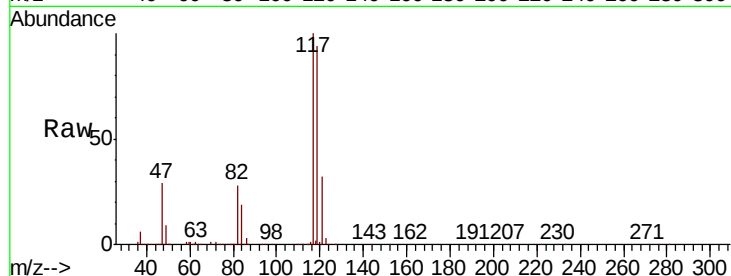




#35
Carbon Tetrachloride
Concen: 10.066 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

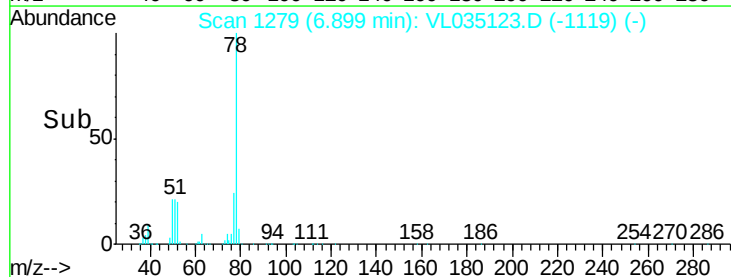
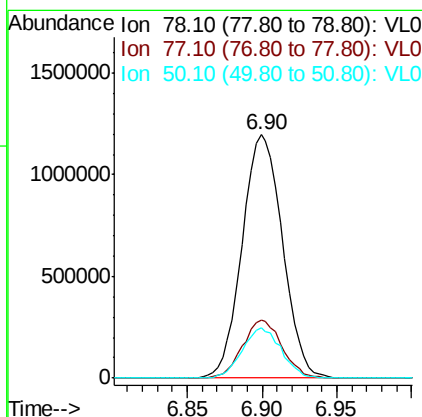
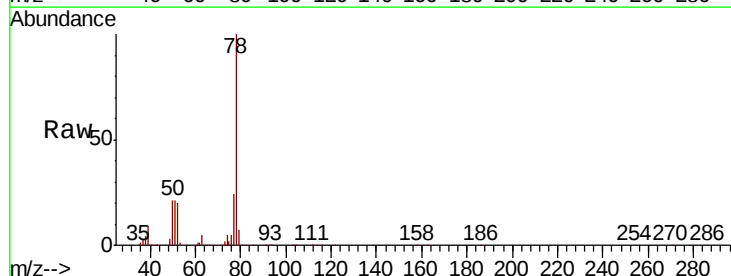
Instrument :
MSVOA_L
ClientSampleId :

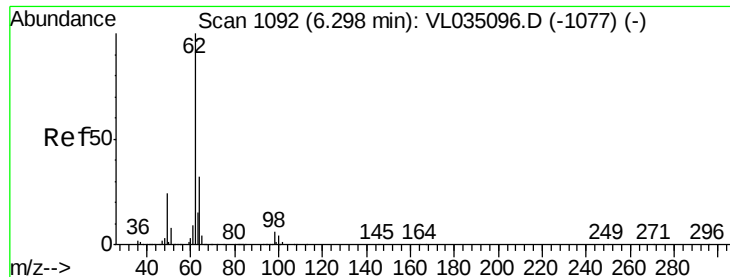
Tot Ion:117 Resp: 1853613
Ion Ratio Lower Upper
117 100
119 94.4 78.3 117.5
121 32.5 26.0 39.0



#36
Benzene
Concen: 9.473 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 78 Resp: 2252261
Ion Ratio Lower Upper
78 100
77 23.8 17.8 26.6
50 20.8 16.2 24.2





#37

1,2-Dichloroethane

Concen: 9.630 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

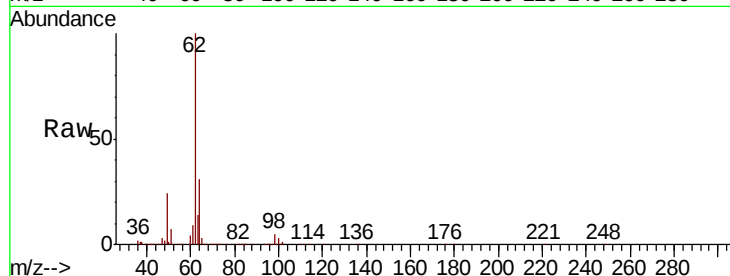
ClientSampleId :

Tot Ion: 62 Resp: 1446985

Ion Ratio Lower Upper

62 100

98 5.6 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

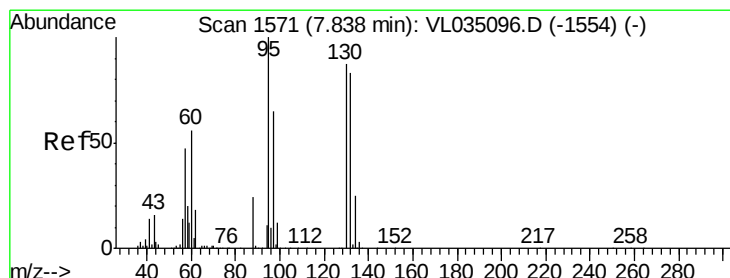
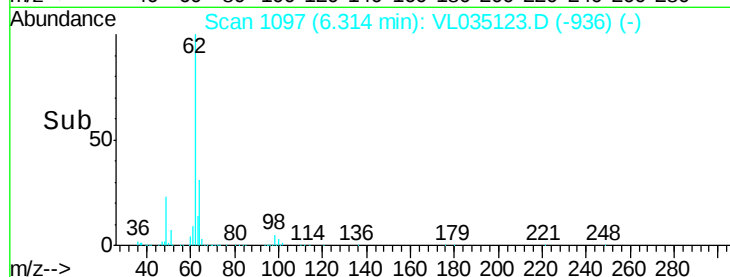
400000

200000

0

6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 9.580 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 130 Resp: 884731

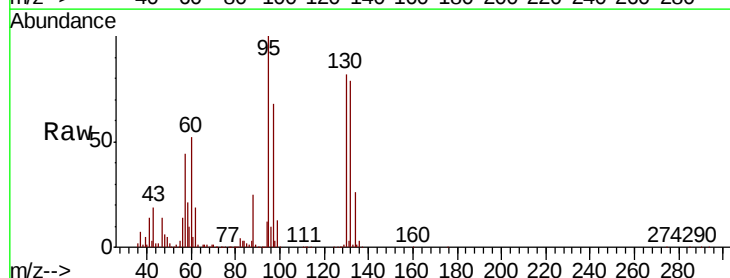
Ion Ratio Lower Upper

130 100

95 122.0 91.4 137.2

132 96.5 75.8 113.6

97 82.5 59.8 89.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

600000

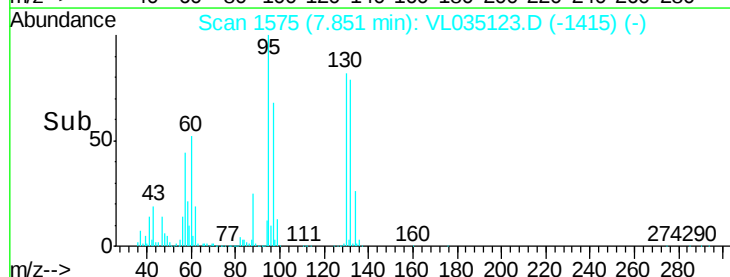
400000

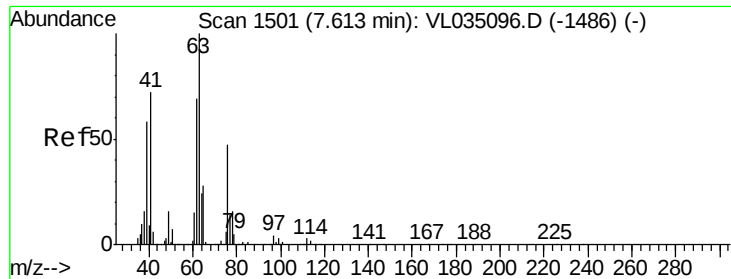
200000

0

7.80 7.85 7.90

Time-->

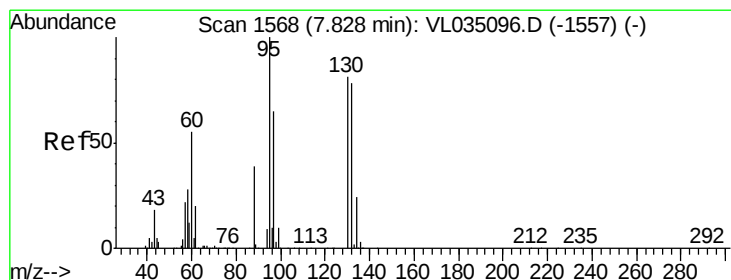
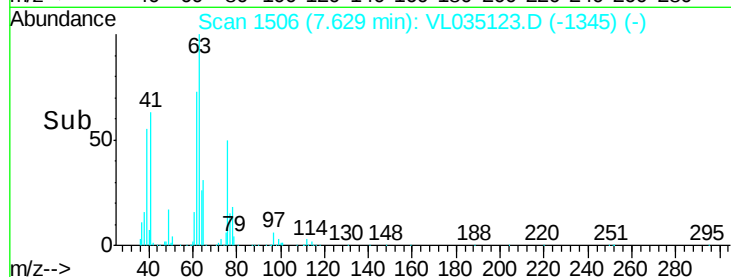
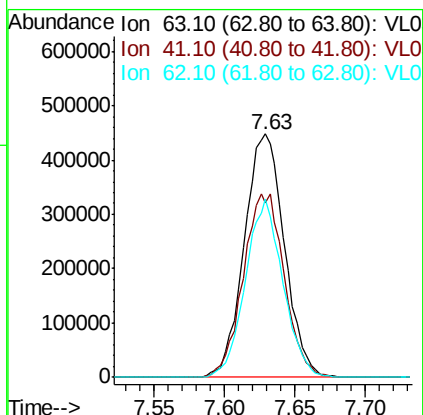
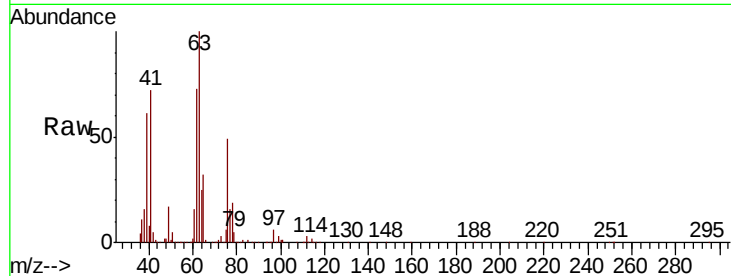




#39
 1,2-Dichloropropane
 Concen: 9.588 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

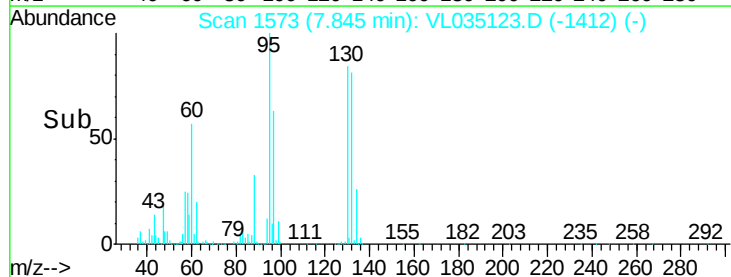
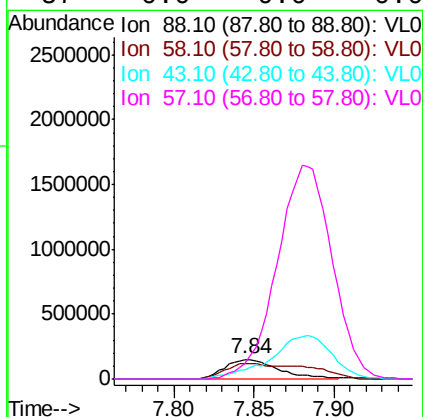
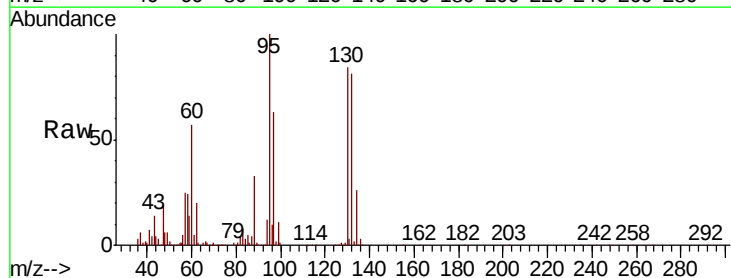
Instrument :
 MSVOA_L
 ClientSampleId :

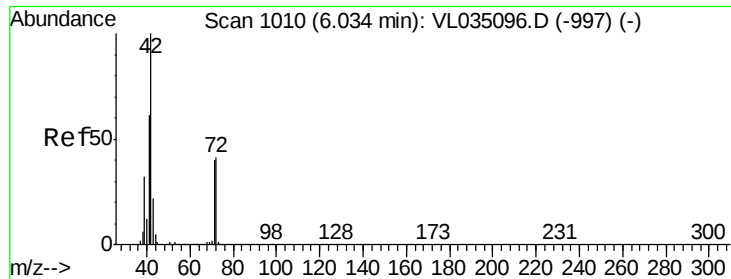
Tot Ion	Ratio	Lower	Upper
63	100		
41	71.5	58.0	87.0
62	73.0	55.4	83.0



#40
 1,4-Dioxane
 Concen: 9.355 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	130.9	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0

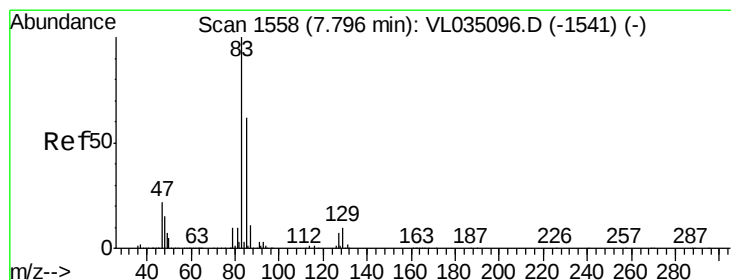
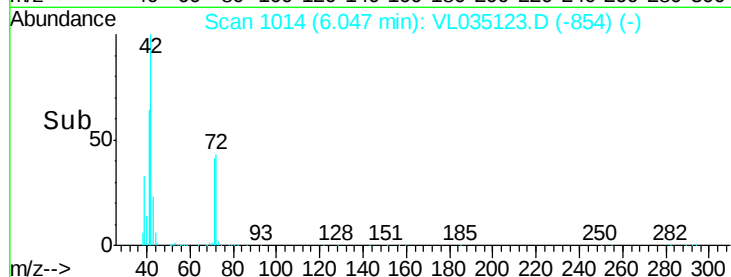
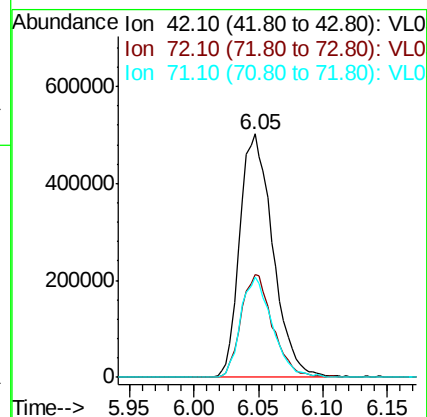
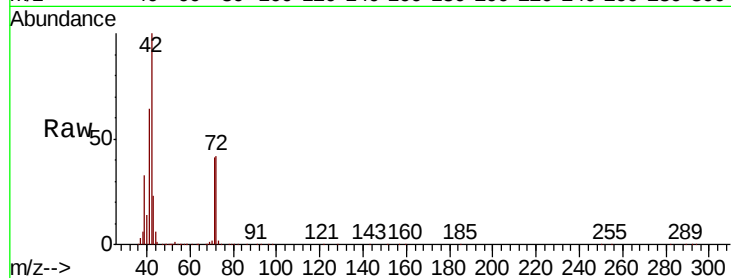




#41
Tetrahydrofuran
Concen: 9.994 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

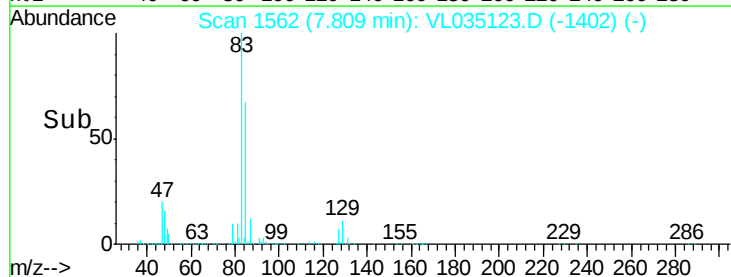
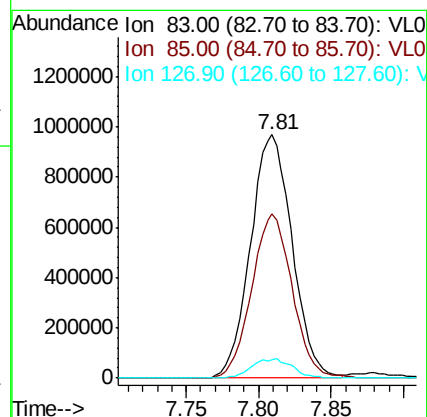
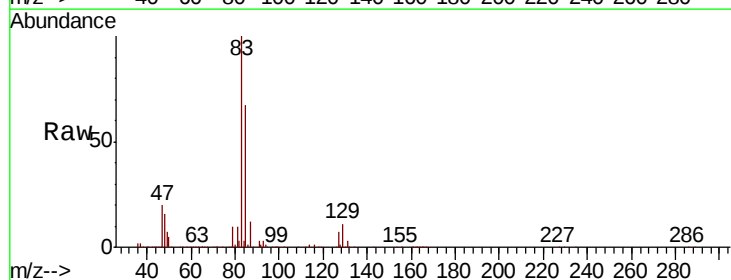
Instrument :
MSVOA_L
ClientSampleId :

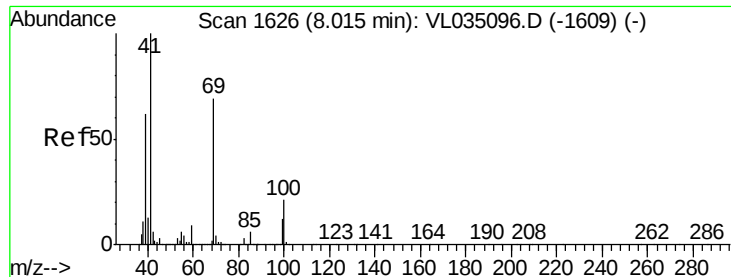
Tot Ion: 42 Resp: 900086
Ion Ratio Lower Upper
42 100
72 40.6 33.4 50.2
71 39.3 31.8 47.6



#42
Bromodichloromethane
Concen: 9.960 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 83 Resp: 1938256
Ion Ratio Lower Upper
83 100
85 67.4 49.4 74.0
127 7.5 5.9 8.9

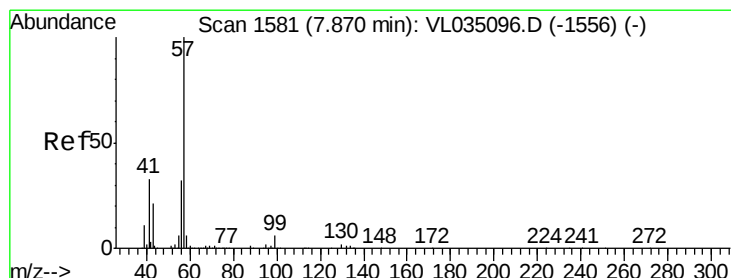
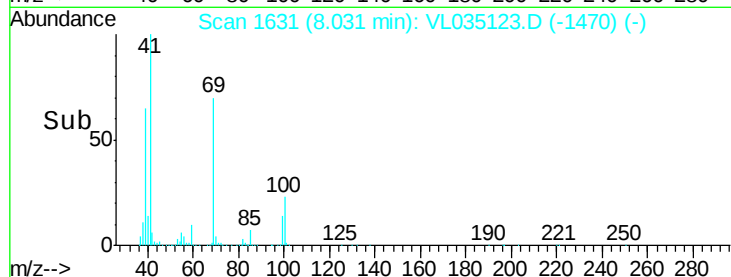
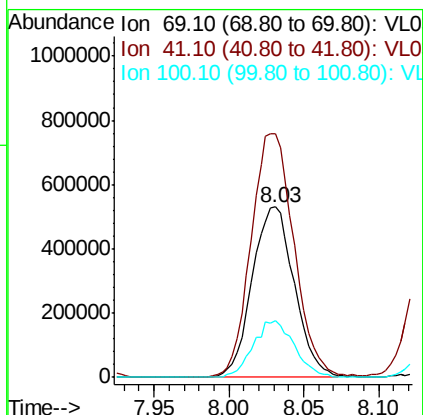
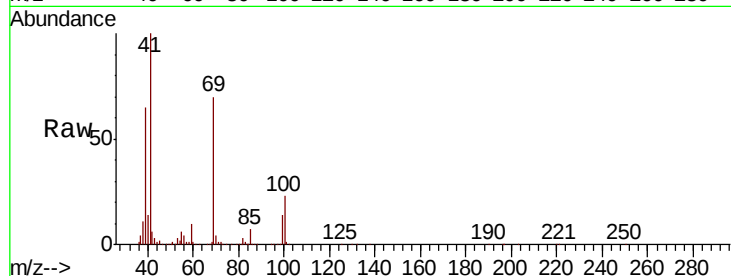




#43
Methvl Methacrvlate
Concen: 10.334 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

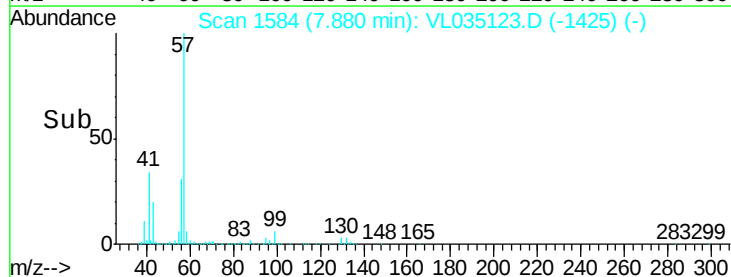
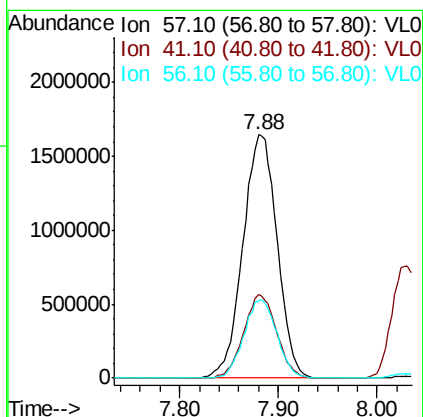
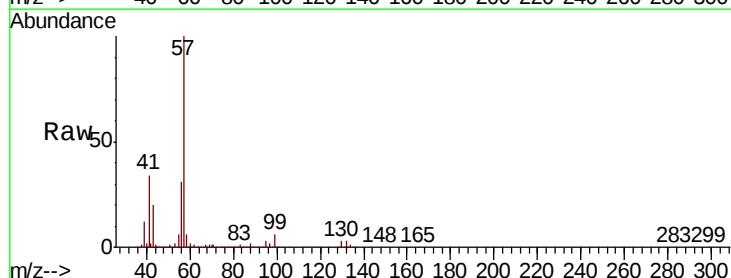
Instrument :
MSVOA_L
ClientSampled :

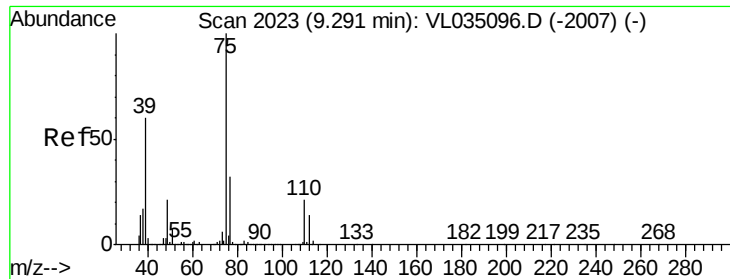
Tot Ion: 69 Resp: 1039988
Ion Ratio Lower Upper
69 100
41 145.3 116.4 174.6
100 32.5 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.521 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 57 Resp: 3951128
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 31.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.026 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

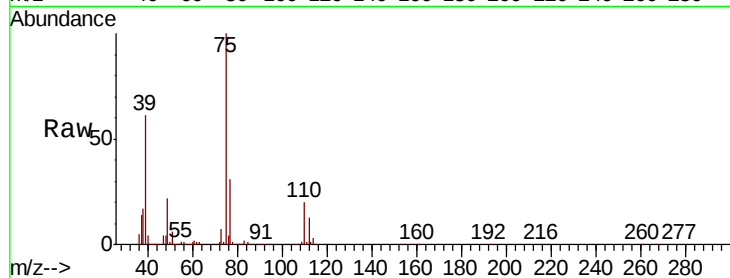
ClientSampleId :

Tot Ion: 75 Resp: 1177843

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

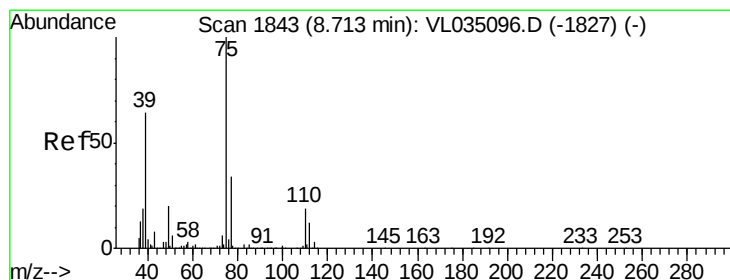
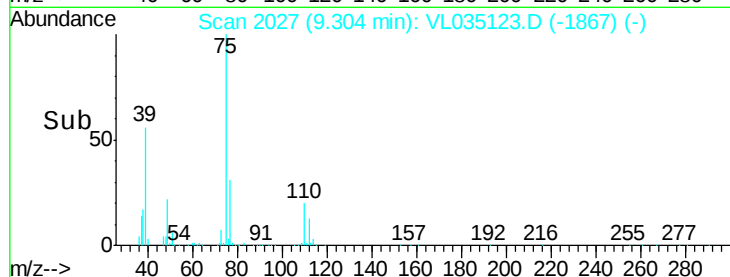
400000

200000

0

9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.179 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

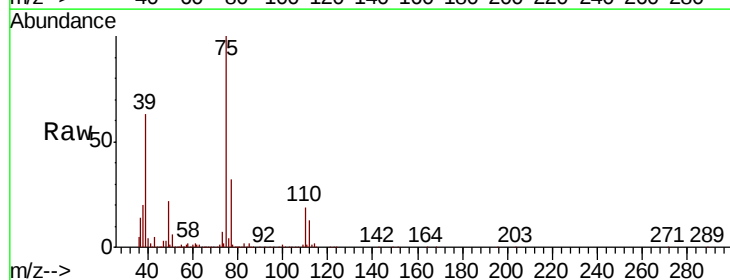
Tgt Ion: 75 Resp: 1360123

Ion Ratio Lower Upper

75 100

39 63.1 51.1 76.7

77 31.7 26.9 40.3



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

1000000

800000

600000

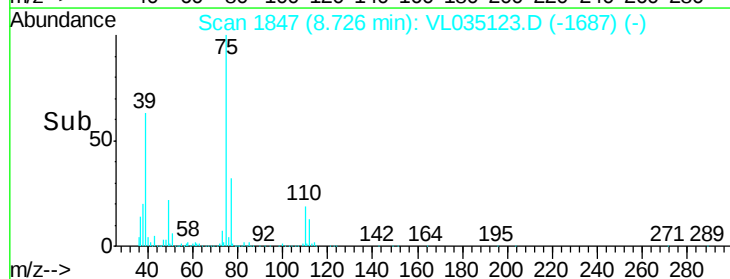
400000

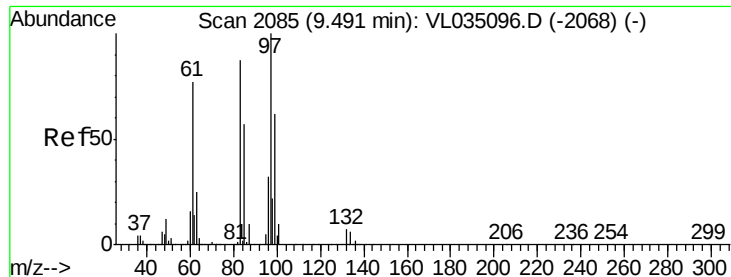
200000

0

8.65 8.70 8.75 8.80

Time-->

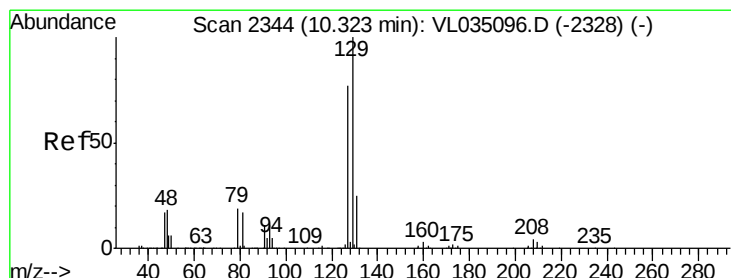
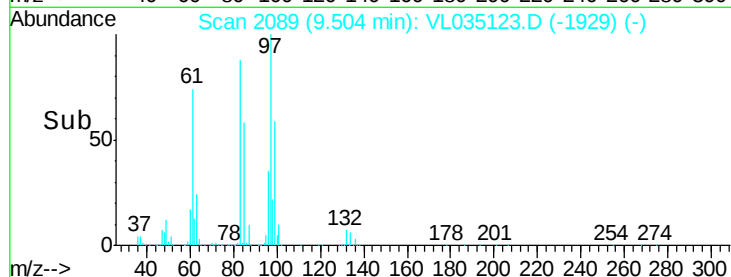
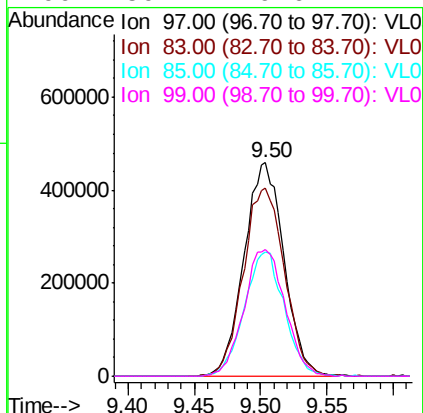
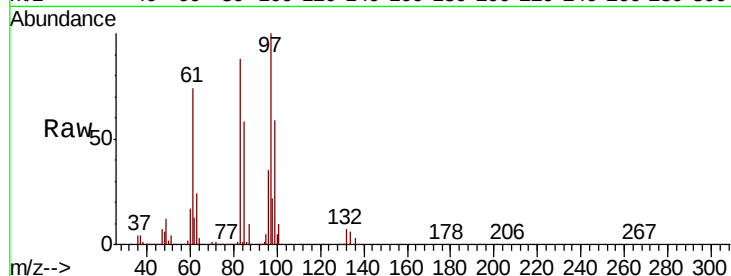




#47
 1,1,2-Trichloroethane
 Concen: 9.436 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

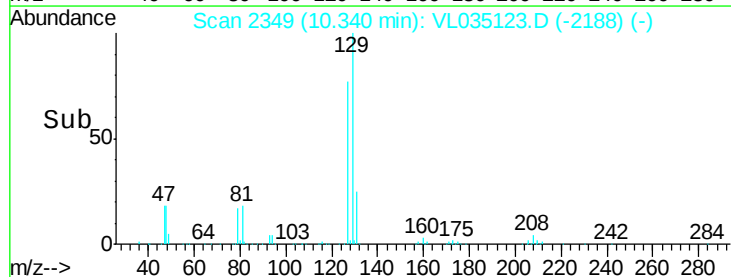
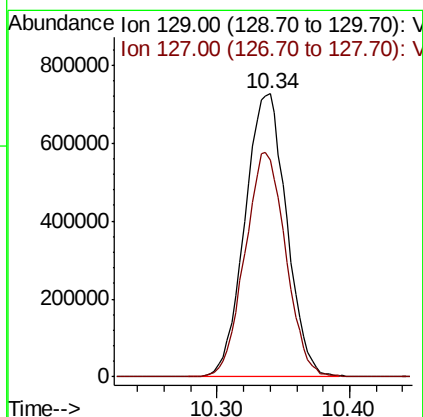
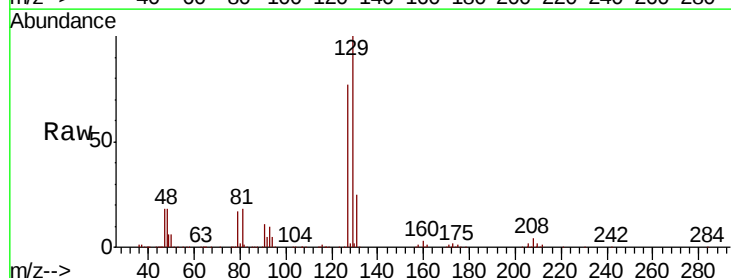
Instrument :
 MSVOA_L
 ClientSampleId :

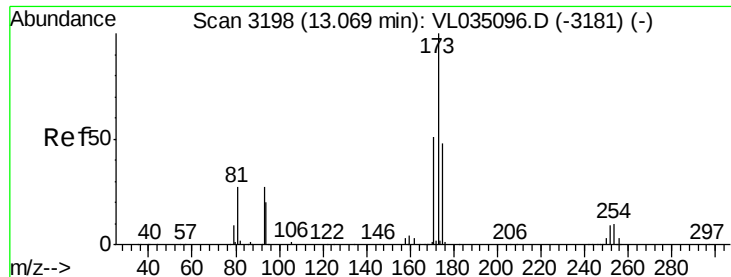
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.5	104.3
85	58.0	46.0	69.0
99	59.1	49.6	74.4



#48
 Dibromochloromethane
 Concen: 10.493 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.3	117.8





#49

Bromoform

Concen: 10.330 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

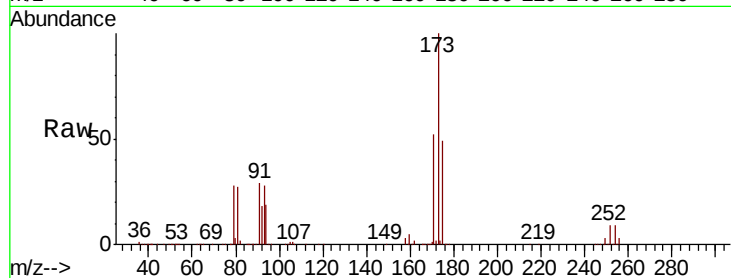
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1327751

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.1	58.7
171	52.9	41.7	62.5

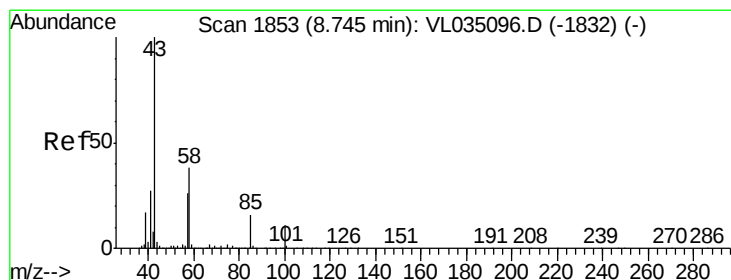
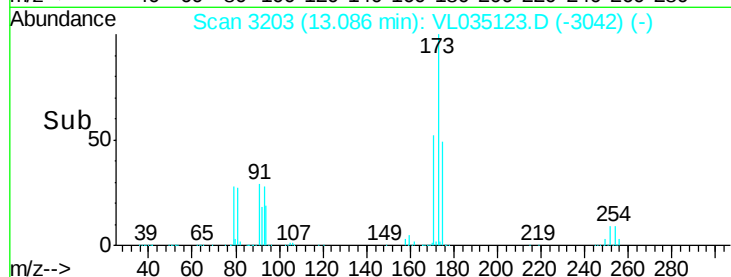
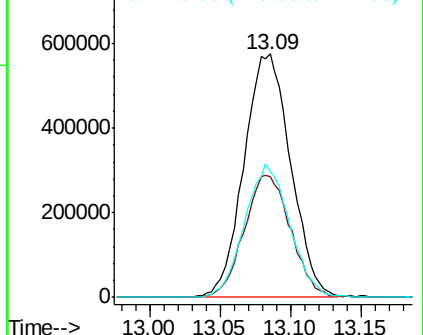


Abundance

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: 9.828 ppbv

RT: 8.76 min Scan# 1858

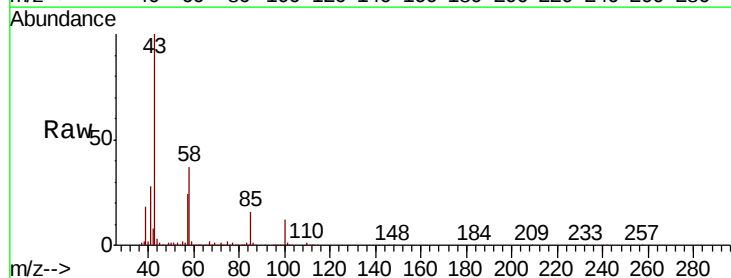
Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 43 Resp: 2462030

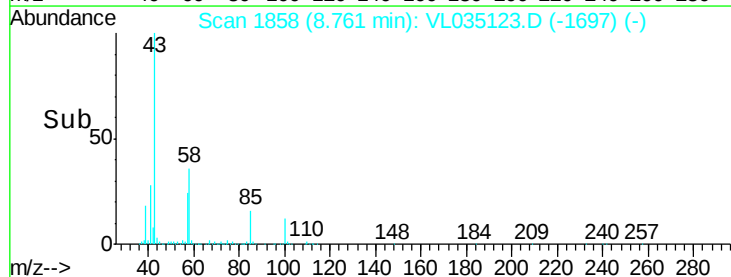
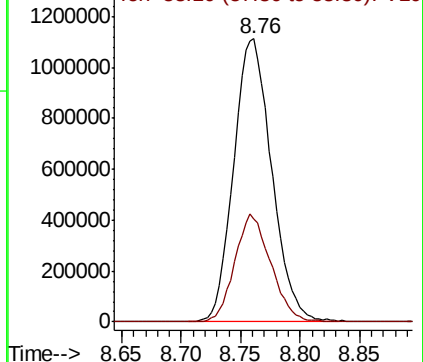
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.4	44.0

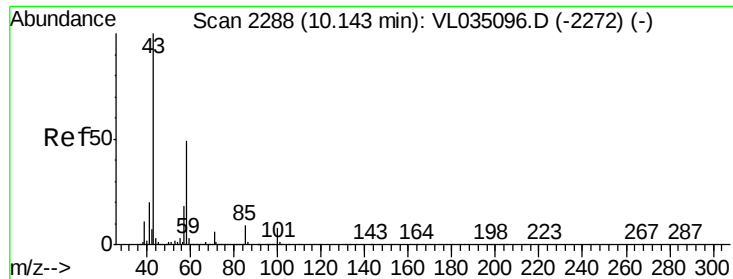


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

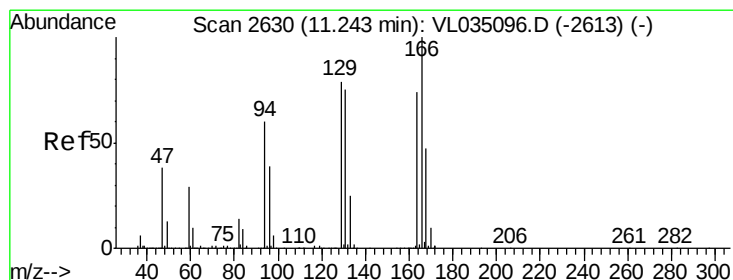
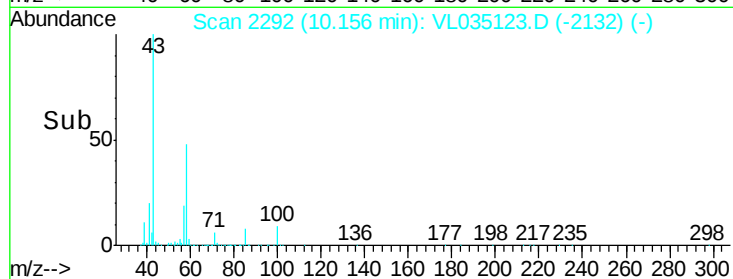
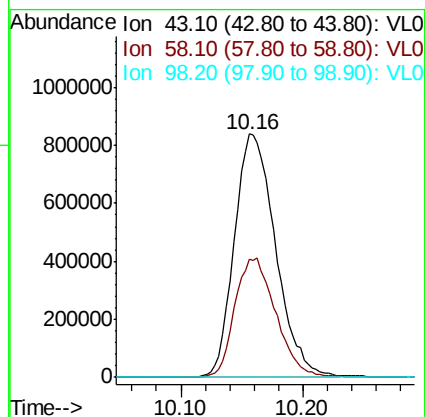
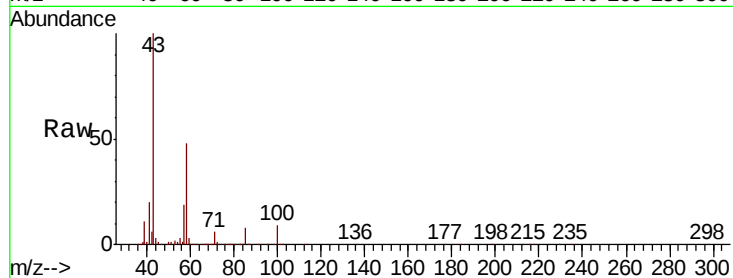




#51
2-Hexanone
Concen: 10.008 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

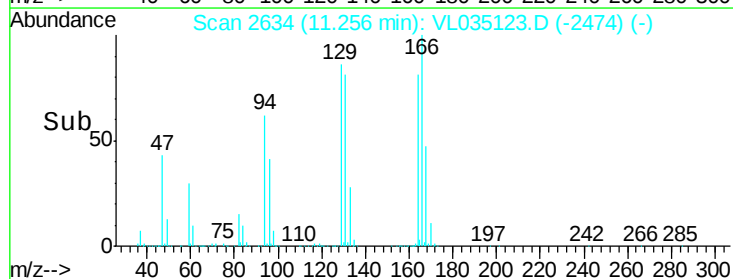
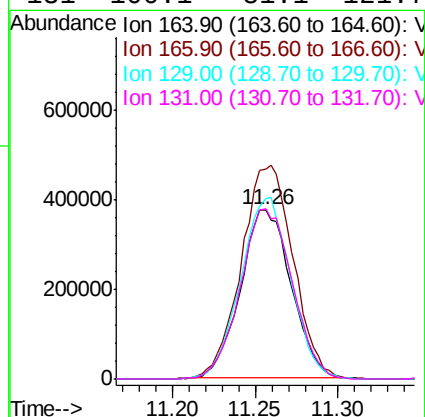
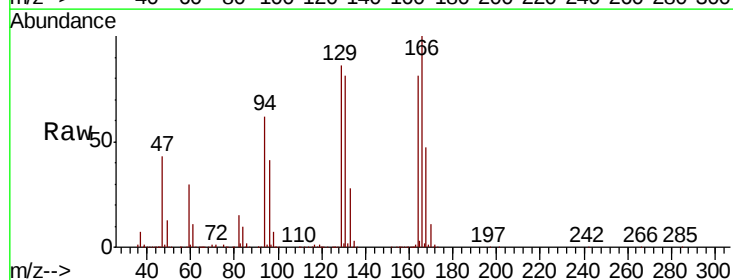
Instrument :
MSVOA_L
ClientSampleId :

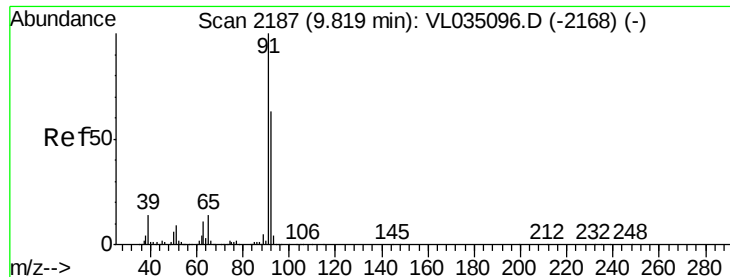
Tot Ion: 43 Resp: 1963503
Ion Ratio Lower Upper
43 100
58 48.9 39.2 58.8
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.509 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion:164 Resp: 796669
Ion Ratio Lower Upper
164 100
166 124.2 107.5 161.3
129 106.0 84.9 127.3
131 100.1 81.1 121.7





#53

Toluene

Concen: 10.402 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

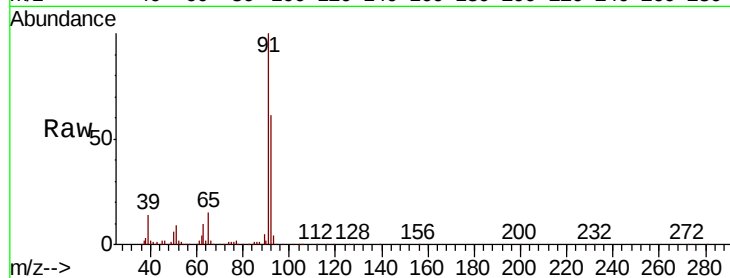
ClientSampleId :

Tot Ion: 91 Resp: 2637905

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 92.10 (91.80 to 92.80): VL0

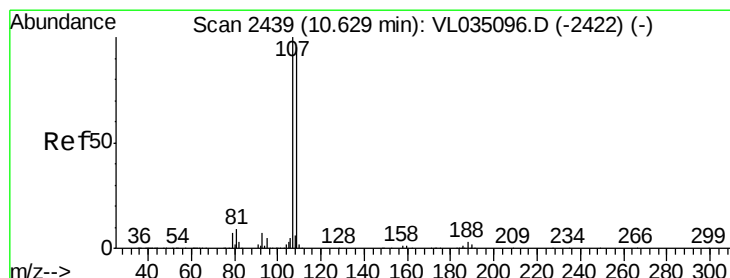
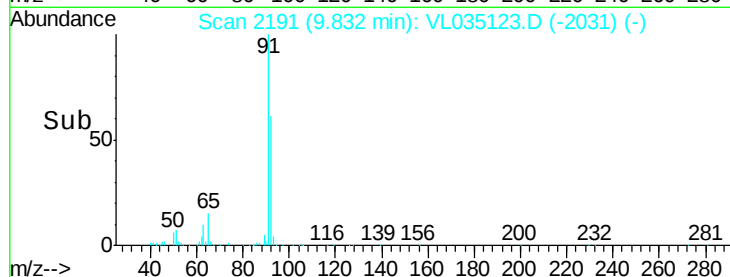
9.83

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.506 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035123.D

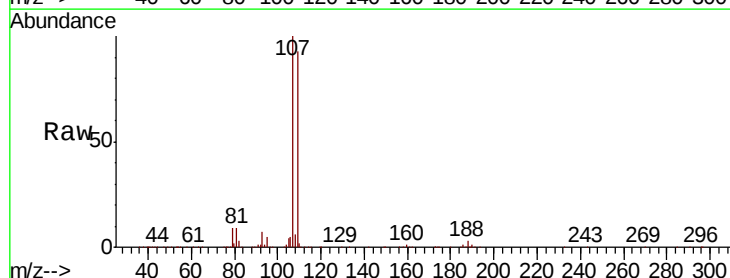
Acq: 30 Jun 2020 13:36

Tgt Ion: 107 Resp: 1428447

Ion Ratio Lower Upper

107 100

109 92.6 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

800000 Ion 109.00 (108.70 to 109.70): V

10.64

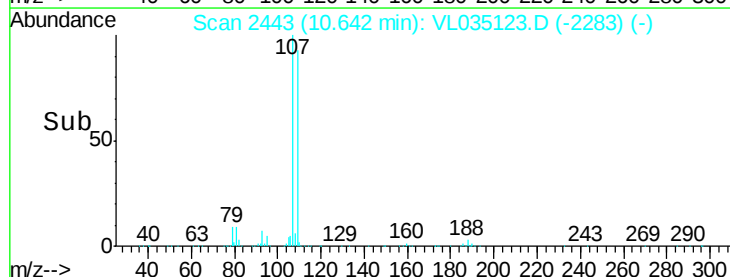
600000

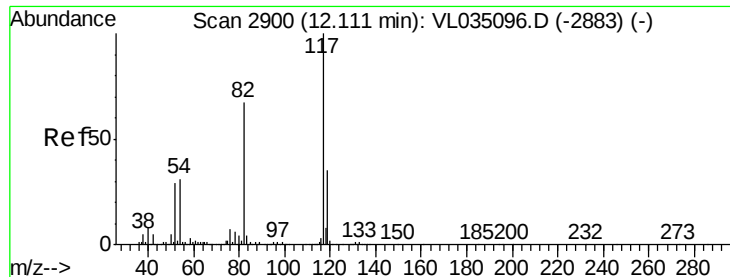
400000

200000

0

Time-->

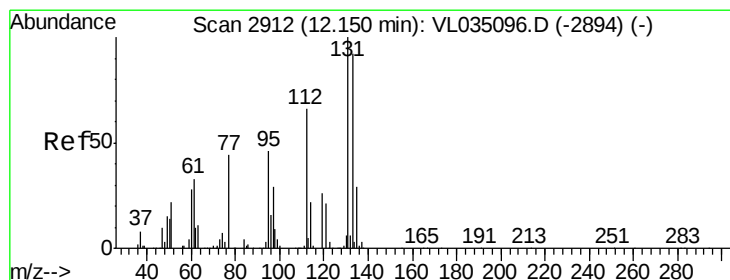
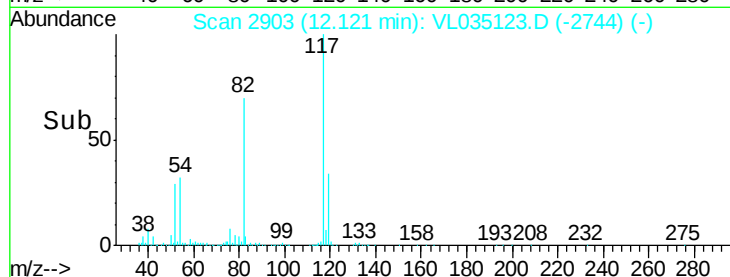
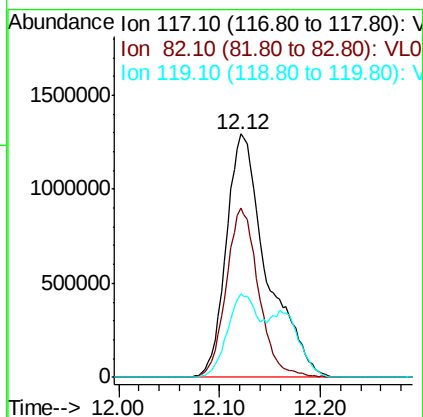
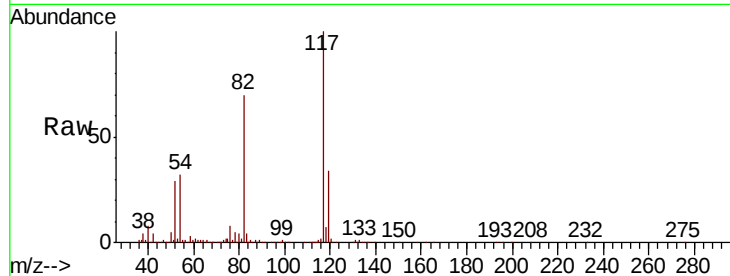




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

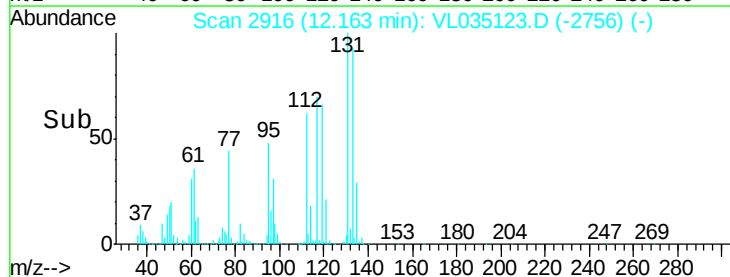
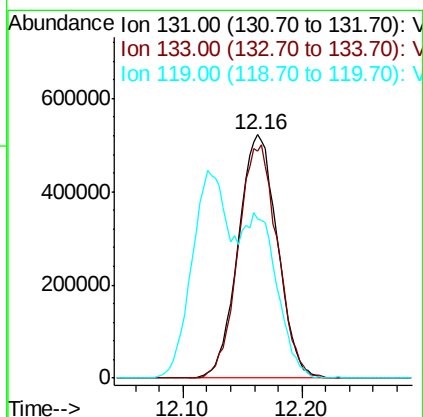
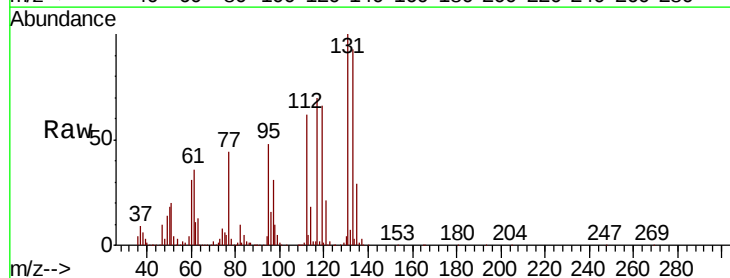
Instrument :
MSVOA_L
ClientSampleId :

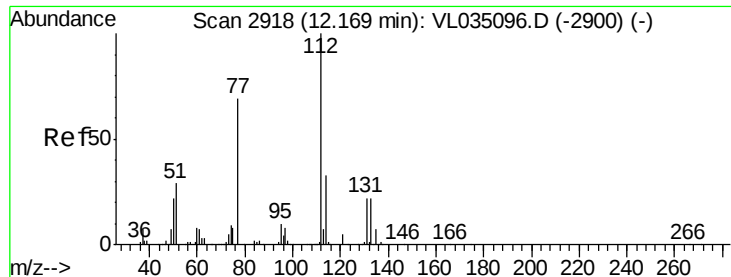
Tot Ion:117 Resp: 3628753
Ion Ratio Lower Upper
117 100
82 55.8 50.4 75.6
119 47.1 25.4 38.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.046 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion:131 Resp: 1194868
Ion Ratio Lower Upper
131 100
133 96.1 76.2 114.4
119 53.6 114.6 172.0#

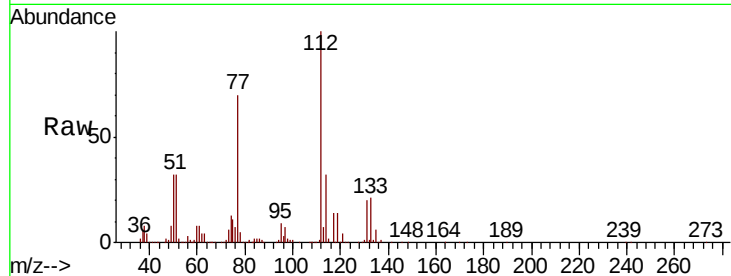




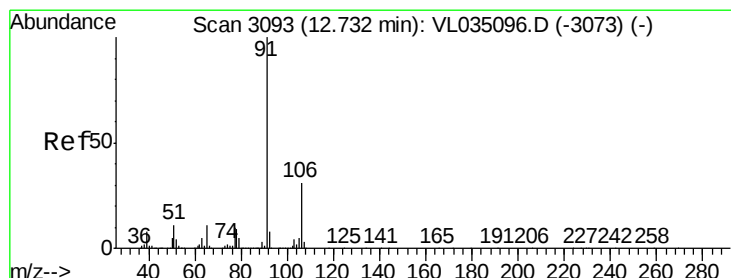
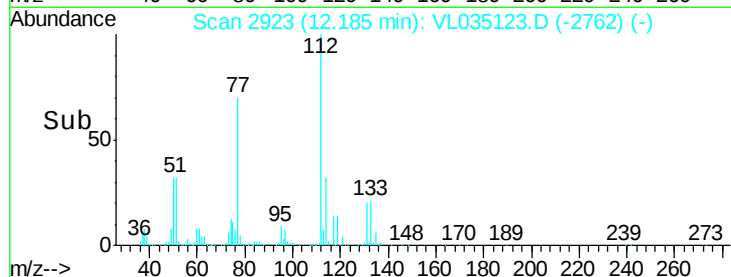
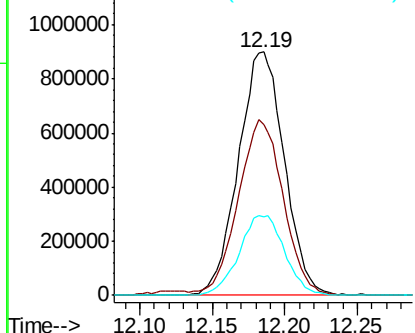
#57
Chlorobenzene
Concen: 7.376 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 1969483
Ion Ratio Lower Upper
112 100
77 69.9 56.7 85.1
114 32.4 29.3 35.9

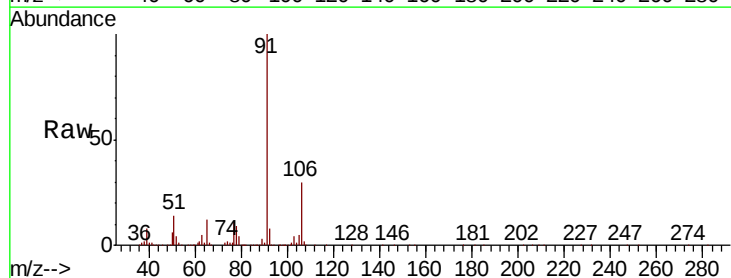


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

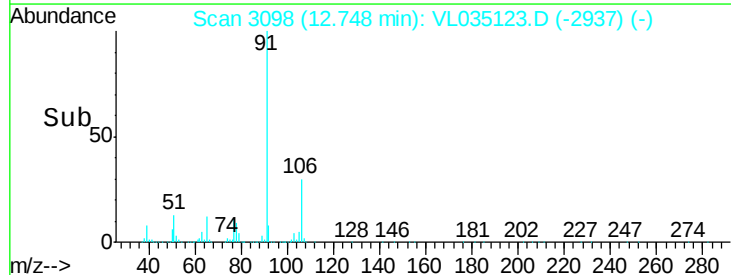
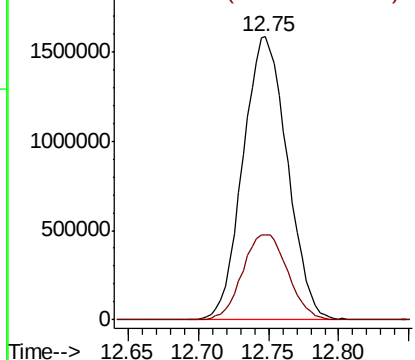


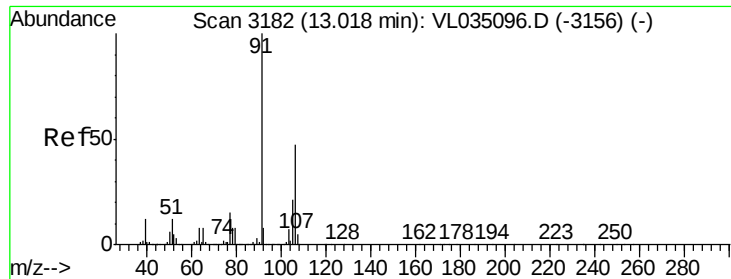
#58
Ethyl Benzene
Concen: 8.540 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 91 Resp: 3481764
Ion Ratio Lower Upper
91 100
106 30.0 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: 6.938 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

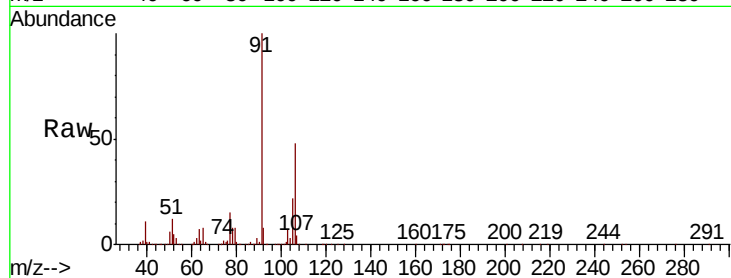
ClientSampleId :

Tot Ion: 91 Resp: 2506937

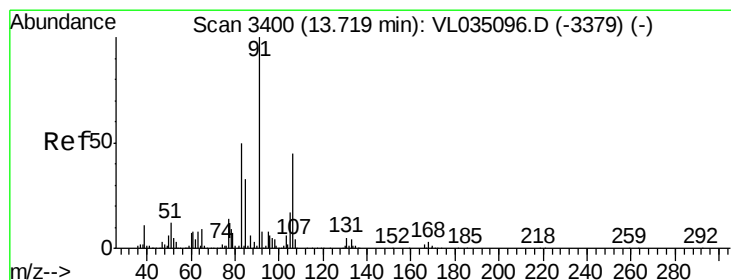
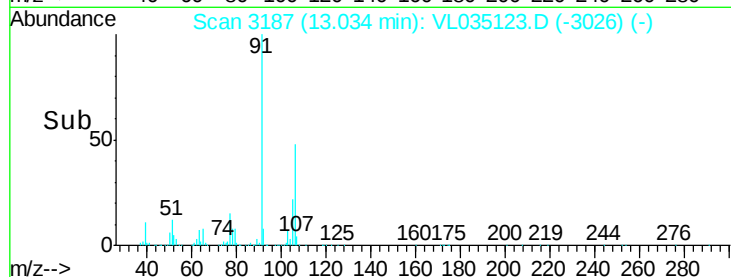
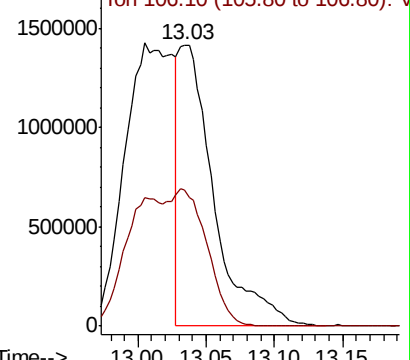
Ion Ratio Lower Upper

91 100

106 105.2 36.5 54.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0



#60

o-Xylene

Concen: 7.994 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. 0.01 min

Lab File: VL035123.D

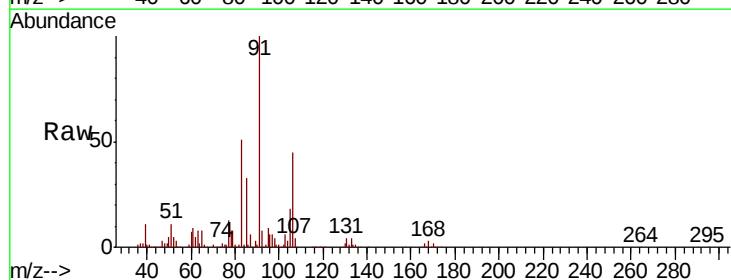
Acq: 30 Jun 2020 13:36

Tgt Ion: 91 Resp: 2875650

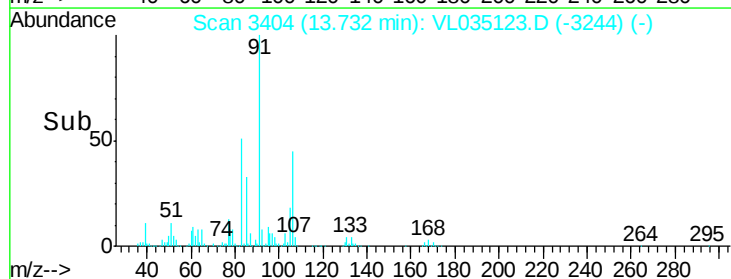
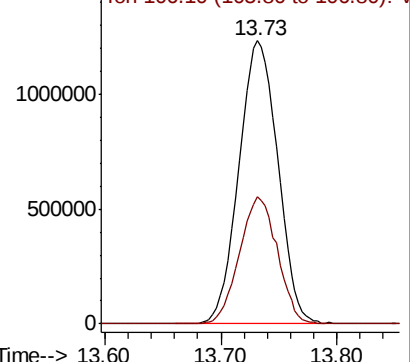
Ion Ratio Lower Upper

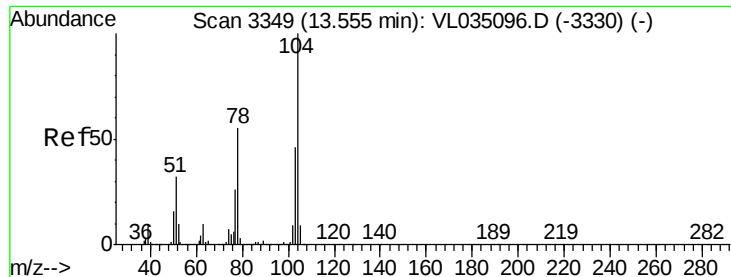
91 100

106 44.0 22.1 66.5



Abundance Ion 91.10 (90.80 to 91.80): VL0





#61

Stvrene

Concen: 8.935 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

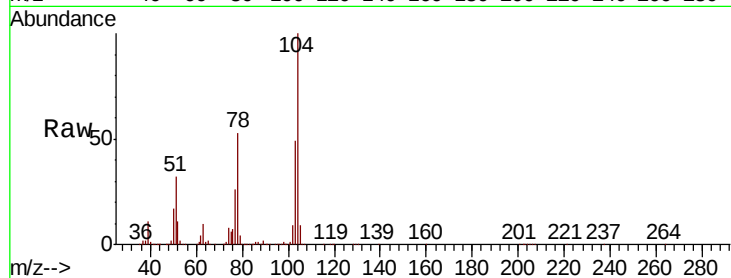
Tot Ion:104 Resp: 2022623

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

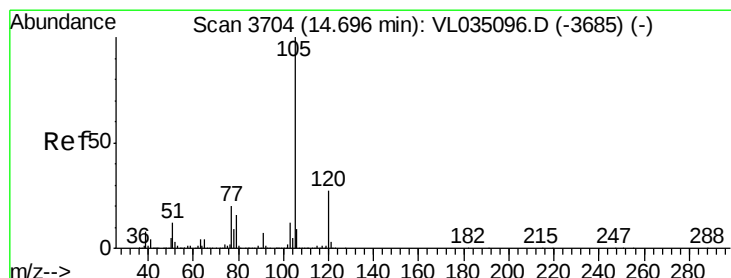
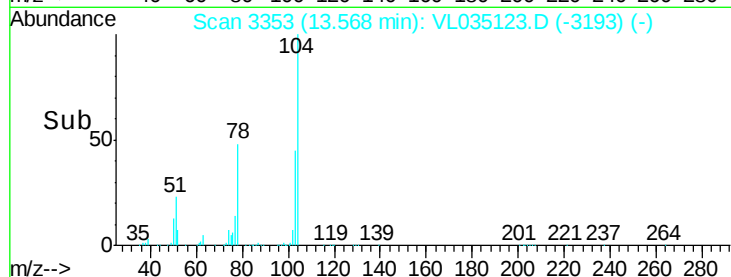
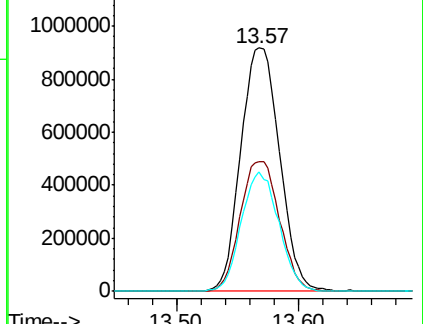
103 47.6 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.839 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL035123.D

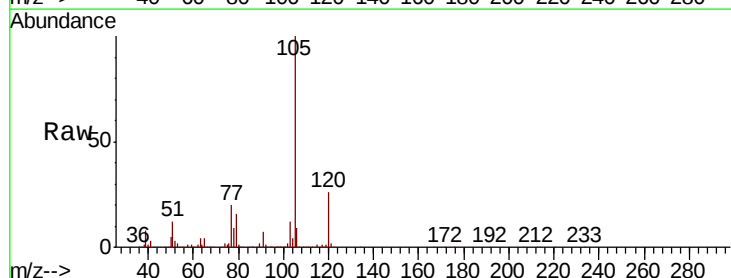
Acq: 30 Jun 2020 13:36

Tgt Ion:105 Resp: 4208067

Ion Ratio Lower Upper

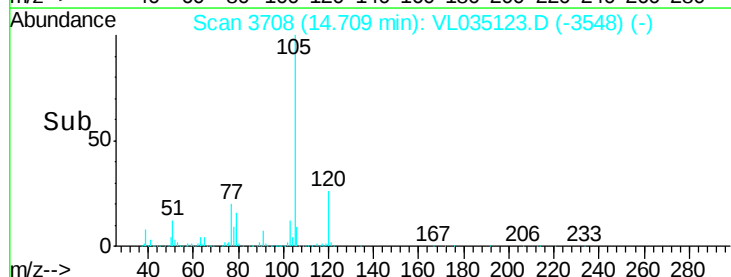
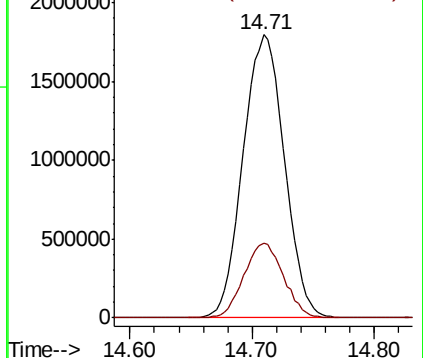
105 100

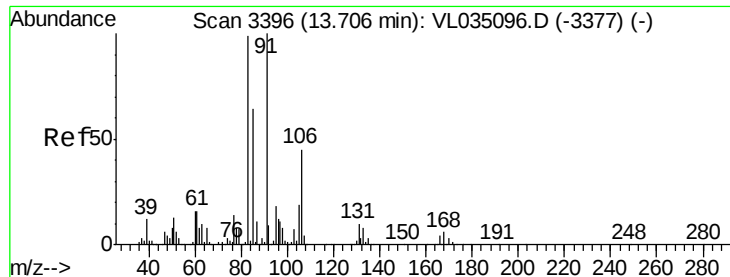
120 25.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.837 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

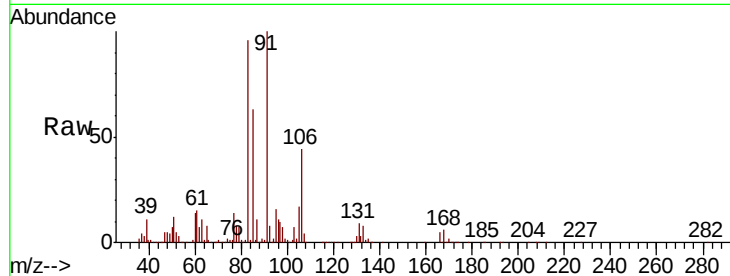
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 1991897

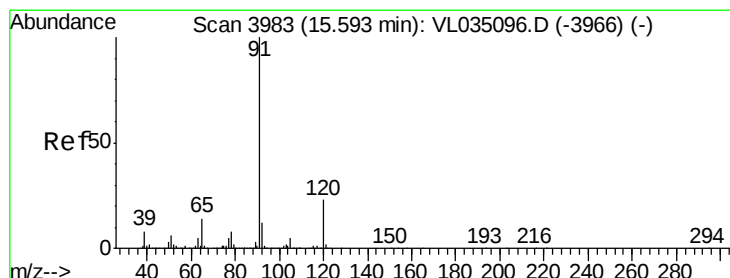
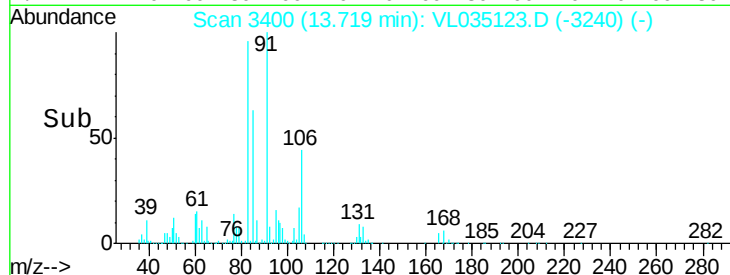
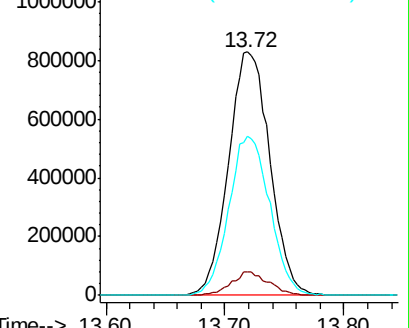
Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.0
85	64.9	32.4	97.0



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: 8.090 ppbv

RT: 15.61 min Scan# 3987

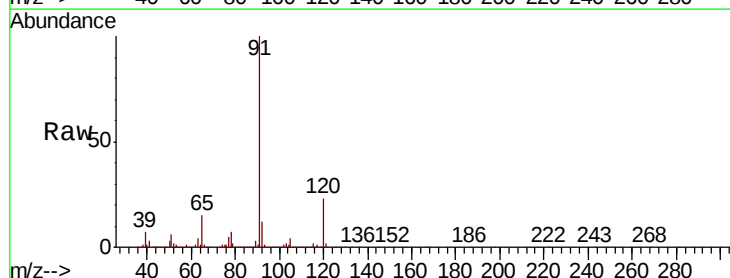
Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

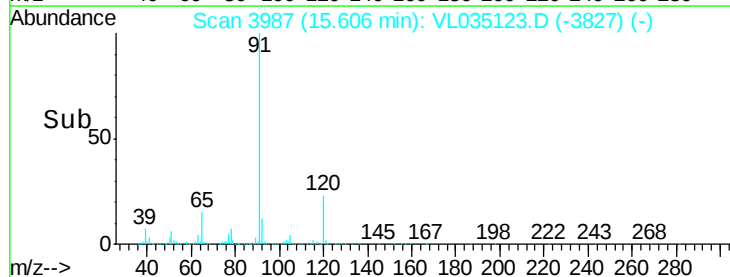
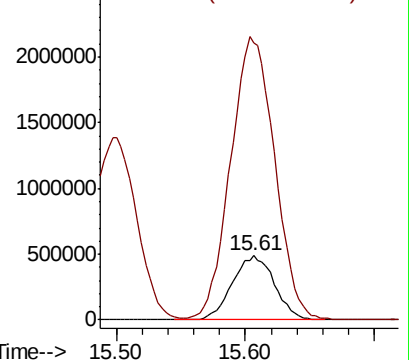
Tgt Ion:120 Resp: 1108182

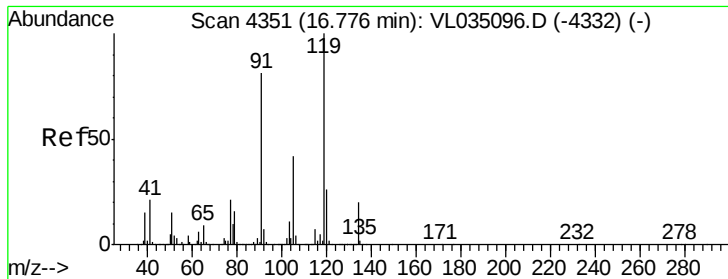
Ion	Ratio	Lower	Upper
120	100		
91	463.4	367.9	551.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.966 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

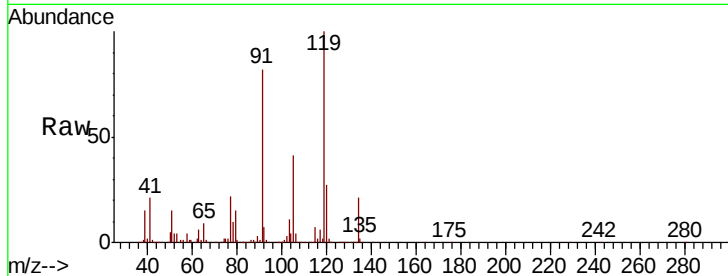
Tot Ion:119 Resp: 3661820

Ion Ratio Lower Upper

119 100

91 85.2 67.6 101.4

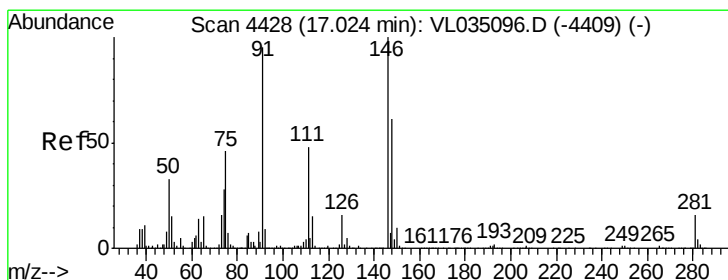
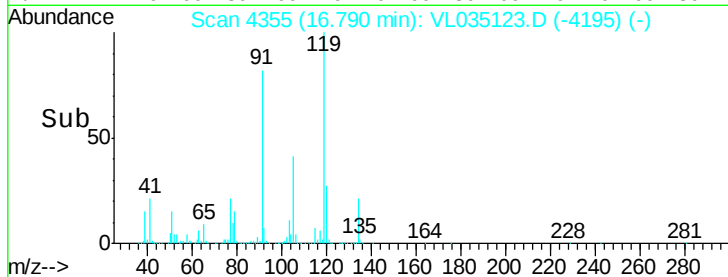
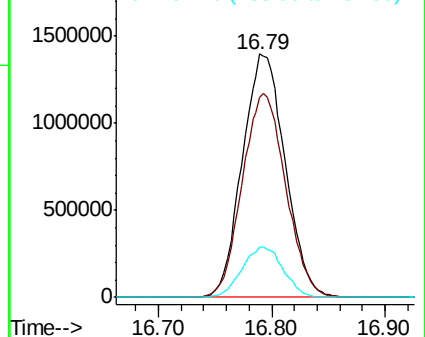
134 20.0 15.7 23.5



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: 10.086 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

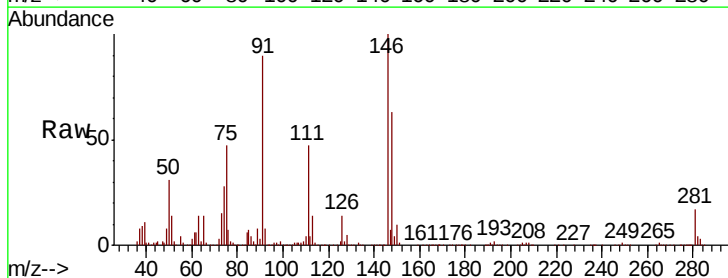
Tgt Ion: 91 Resp: 1432093

Ion Ratio Lower Upper

91 100

126 16.3 13.5 20.3

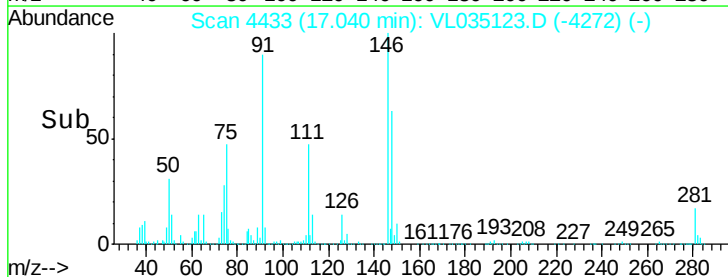
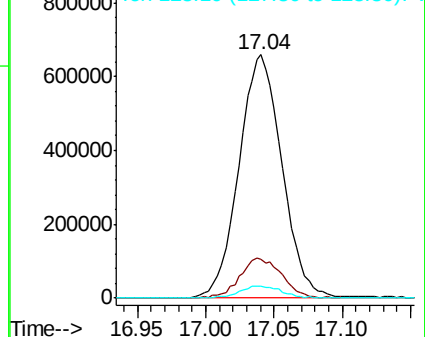
128 5.0 4.3 6.5

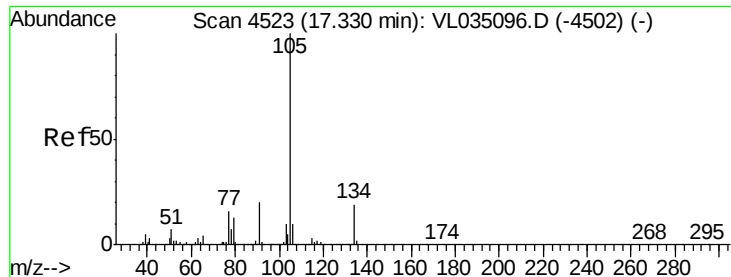


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.937 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

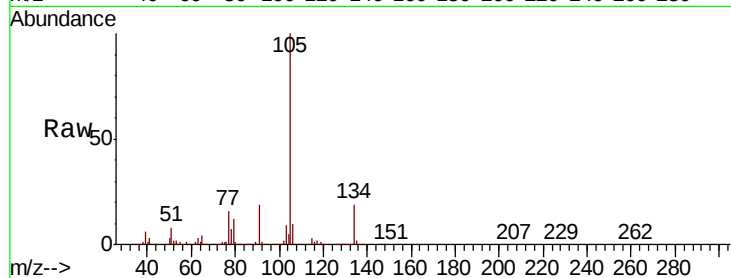
ClientSampleId :

Tot Ion:105 Resp: 5229193

Ion Ratio Lower Upper

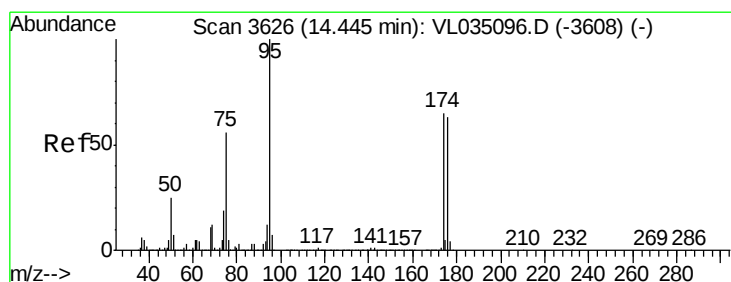
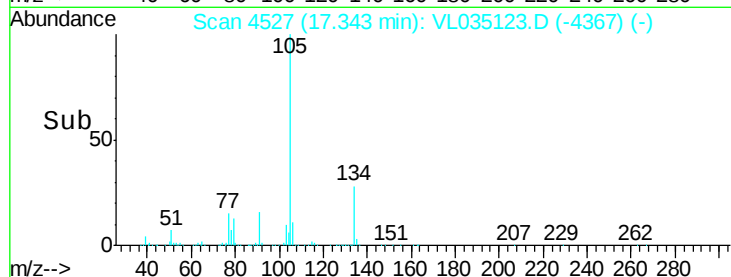
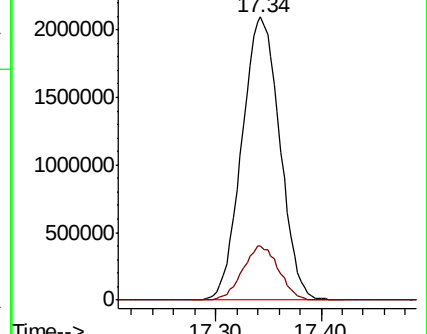
105 100

134 18.3 14.7 22.1



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: 8.299 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

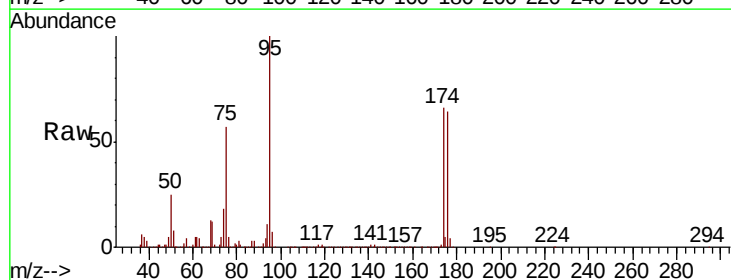
Tgt Ion: 95 Resp: 2501529

Ion Ratio Lower Upper

95 100

174 64.8 52.2 78.2

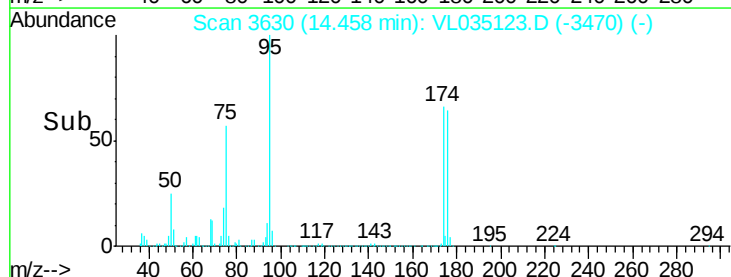
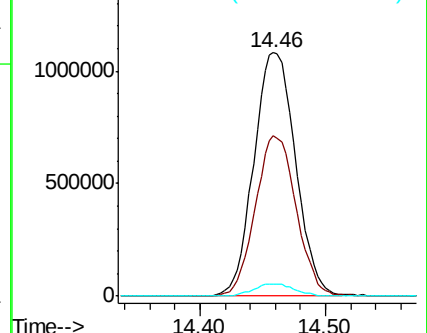
175 5.0 4.0 6.0

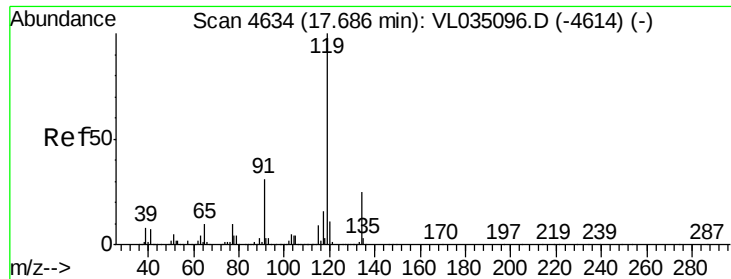


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

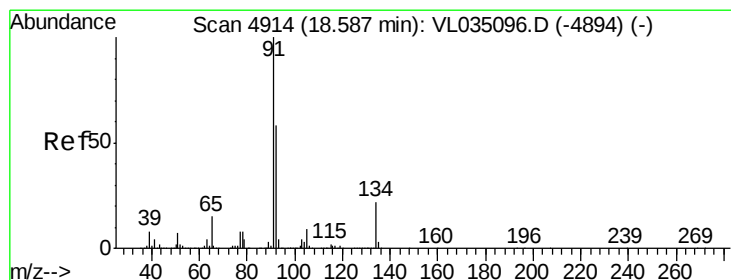
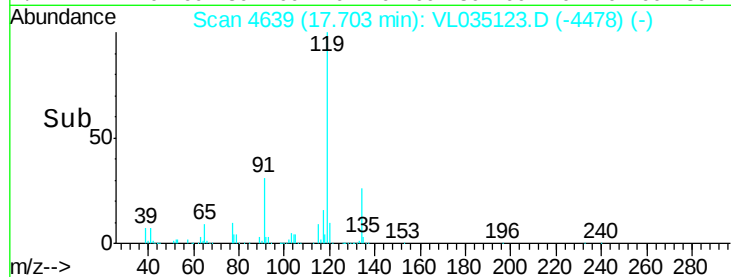
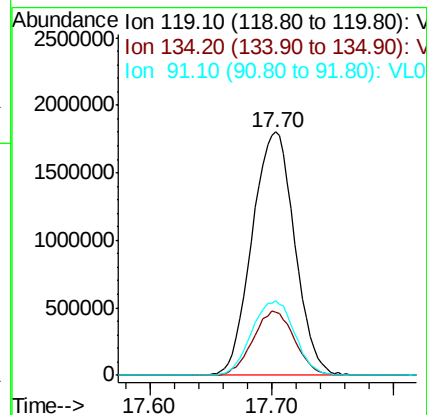
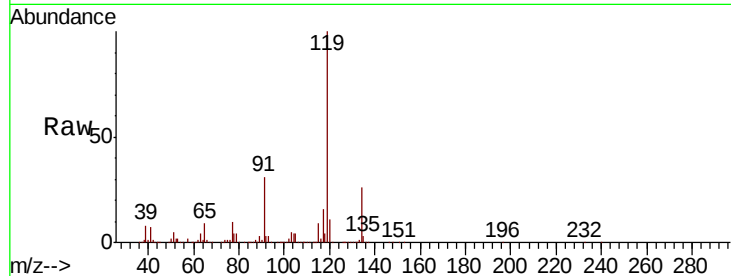




#69
 p-Isopropyltoluene
 Concen: 8.266 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

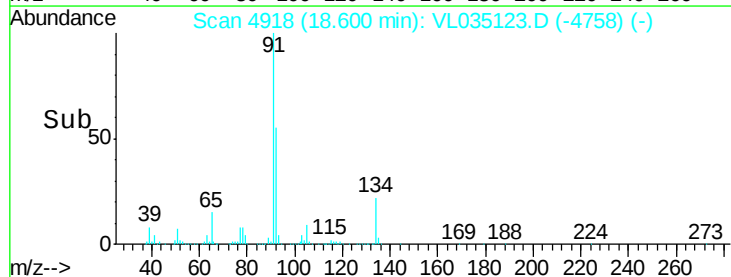
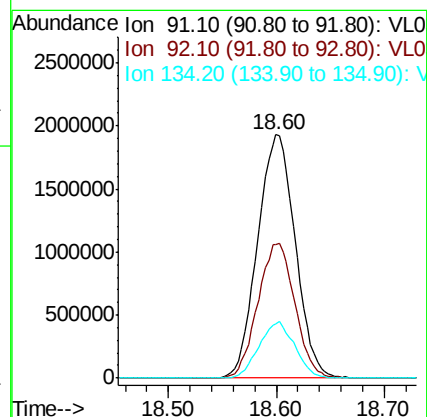
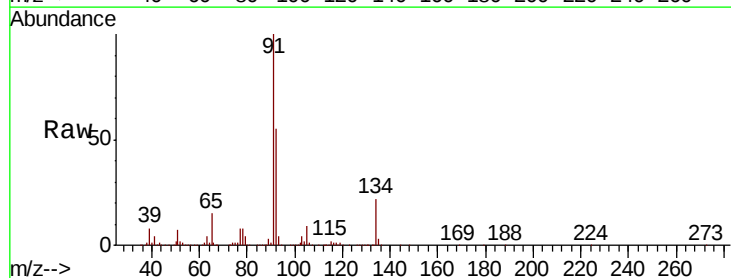
Instrument :
 MSVOA_L
 ClientSampled :

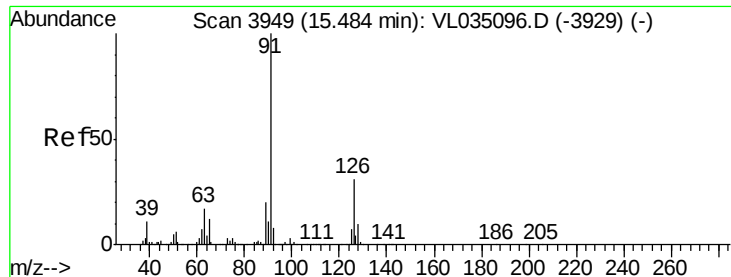
Tot Ion:119 Resp: 4343767
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.4 30.6
 91 31.0 24.5 36.7



#70
 n-Butylbenzene
 Concen: 8.251 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion: 91 Resp: 4670518
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.4 66.6
 134 22.0 18.0 27.0

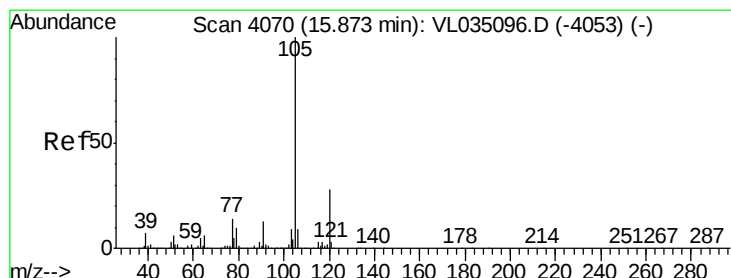
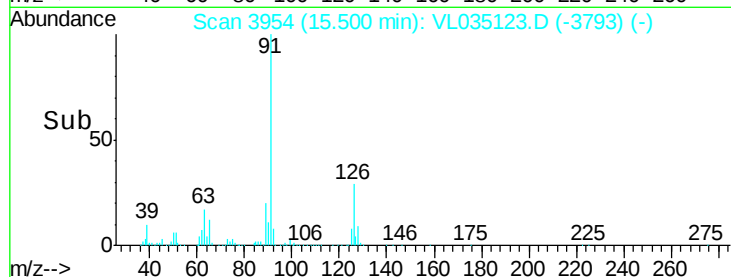
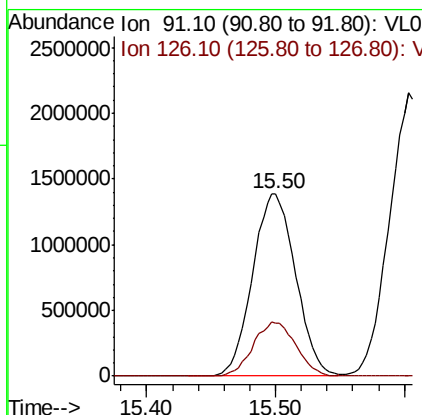
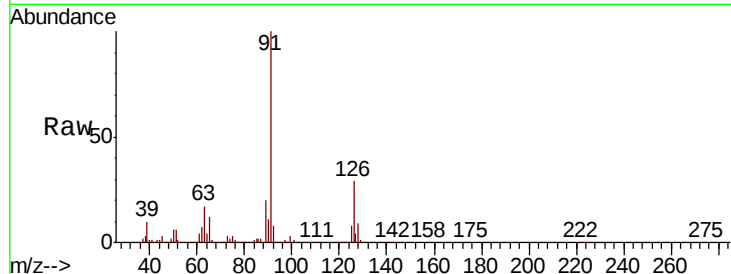




#71
2-Chlorotoluene
Concen: 7.938 ppbv
RT: 15.50 min Scan# 3954
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

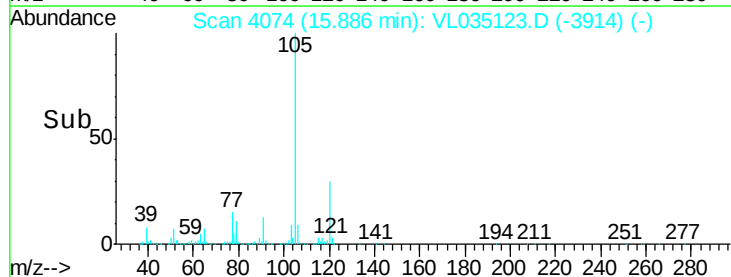
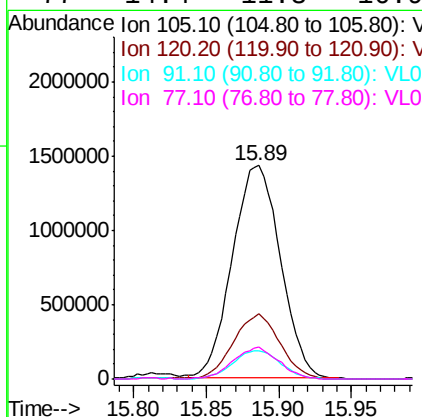
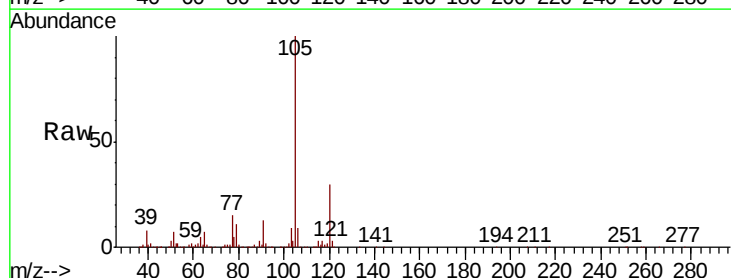
Instrument :
MSVOA_L
ClientSampleId :

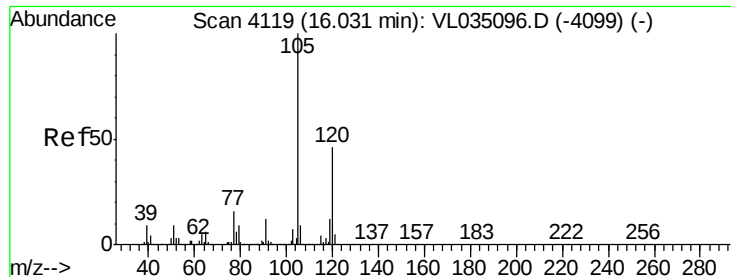
Tot Ion: 91 Resp: 3220939
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.0



#72
4-Ethyltoluene
Concen: 8.275 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 105 Resp: 3311371
Ion Ratio Lower Upper
105 100
120 30.3 23.4 35.0
91 13.4 10.6 16.0
77 14.4 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.267 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

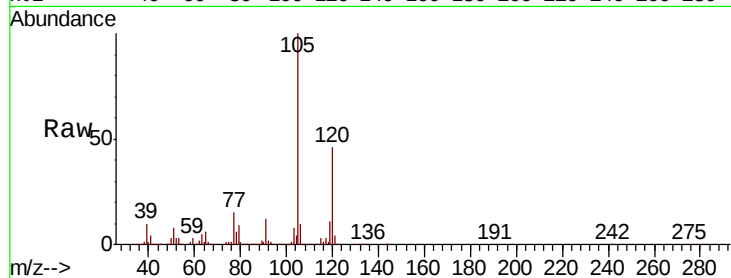
ClientSampled :

Tot Ion:105 Resp: 3127139

Ion Ratio Lower Upper

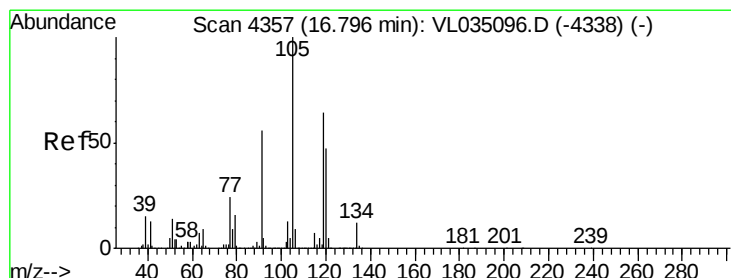
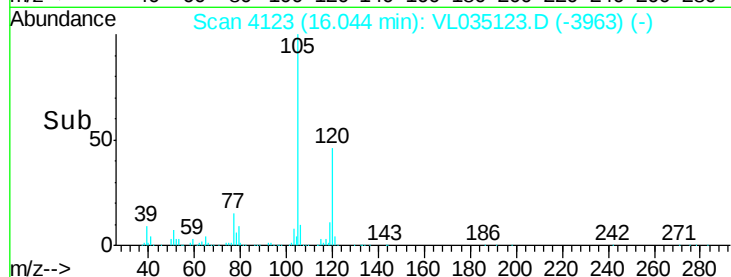
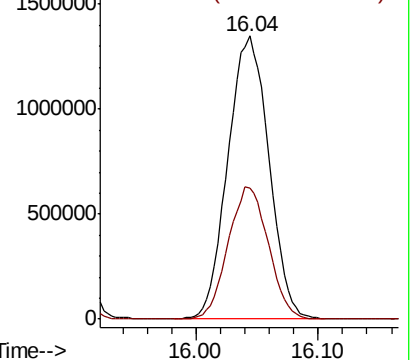
105 100

120 46.2 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.813 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion:105 Resp: 3298566

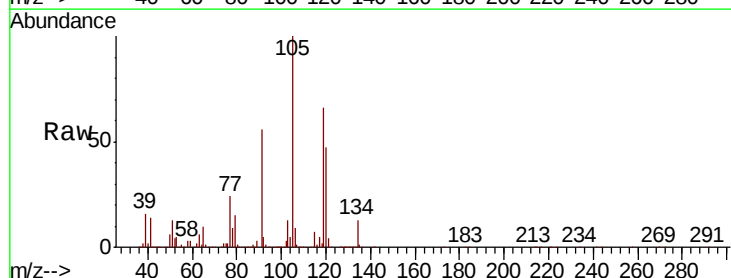
Ion Ratio Lower Upper

105 100

120 46.9 37.9 56.9

91 56.1 46.0 69.0

77 23.8 19.4 29.2

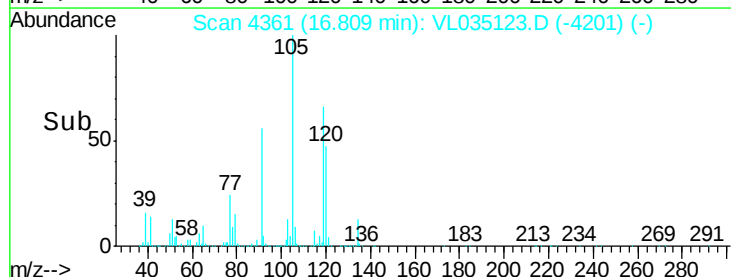
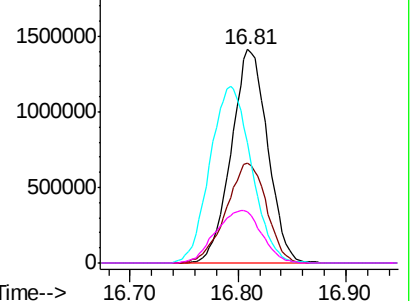


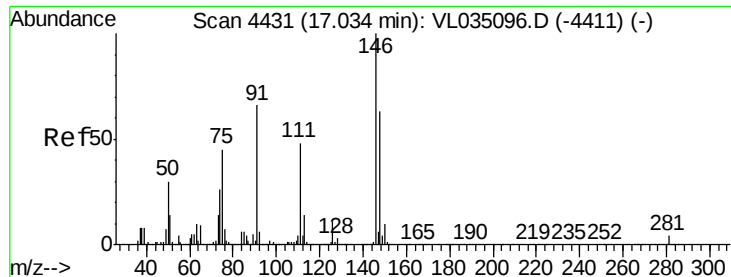
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.576 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

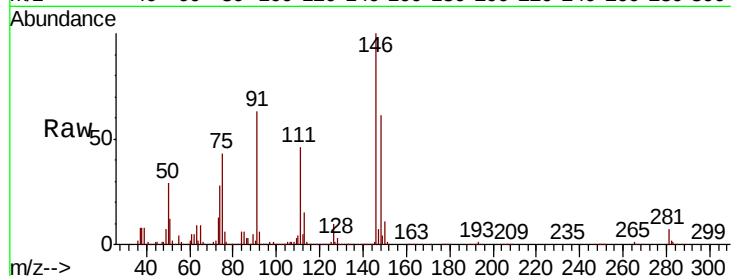
Tot Ion:146 Resp: 1908721

Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.4

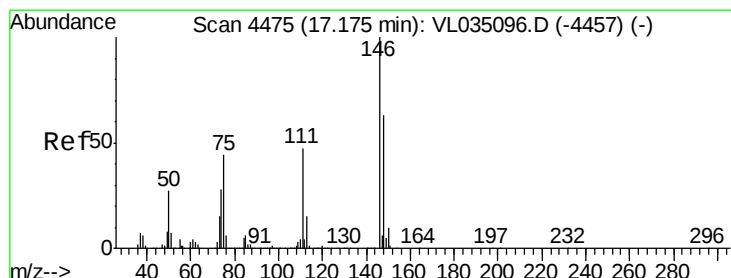
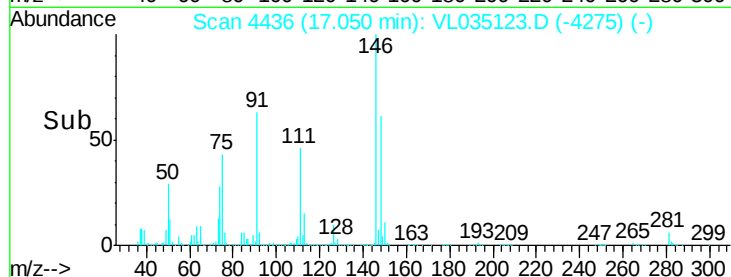
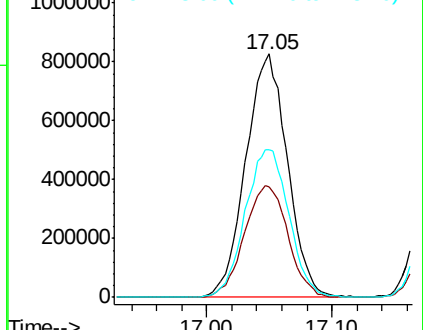
148 63.7 32.3 96.8



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: 7.866 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

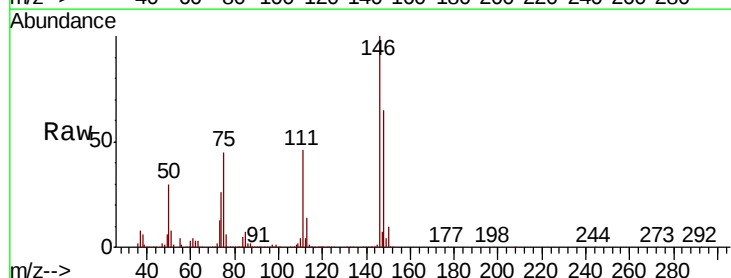
Tgt Ion:146 Resp: 1895859

Ion Ratio Lower Upper

146 100

111 47.0 23.5 70.5

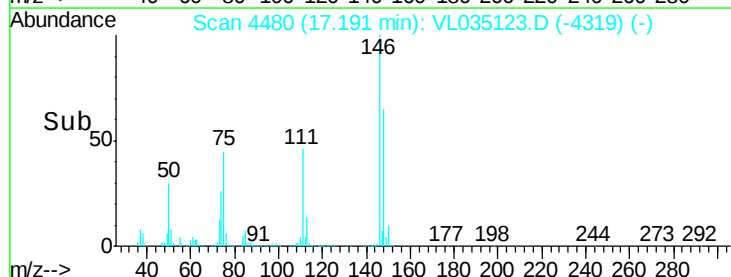
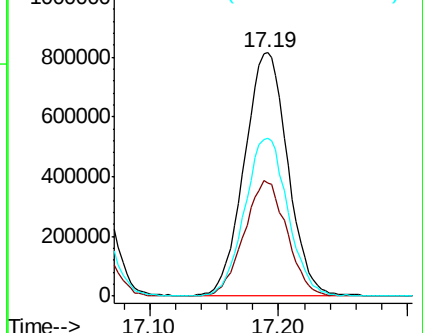
148 65.1 32.0 96.2

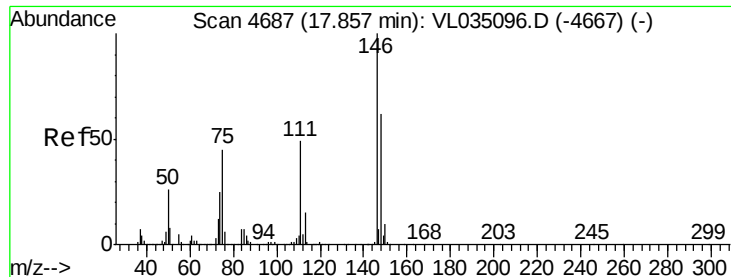


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

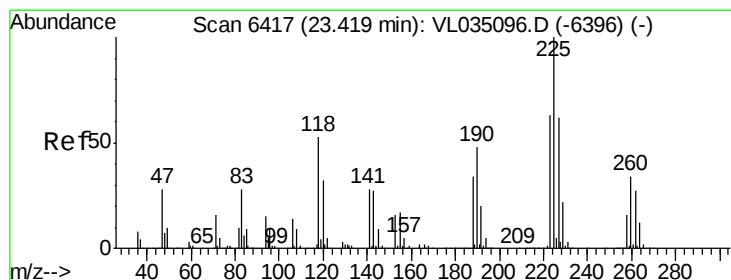
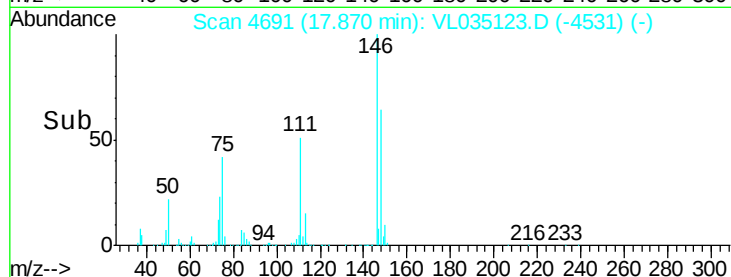
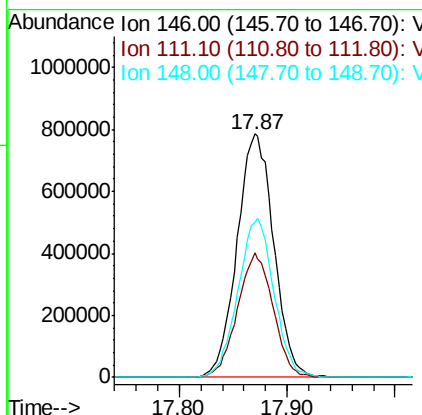
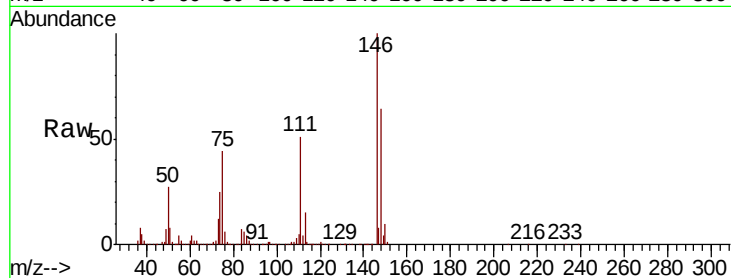




#77
 1,2-Dichlorobenzene
 Concen: 8.038 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

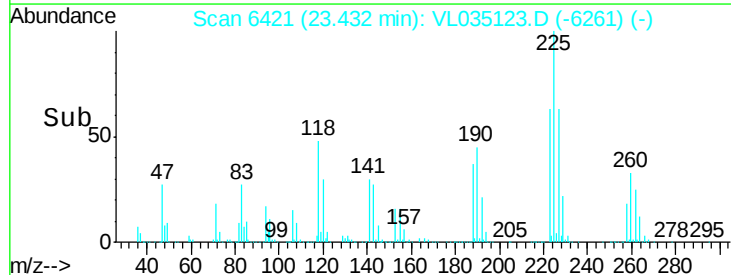
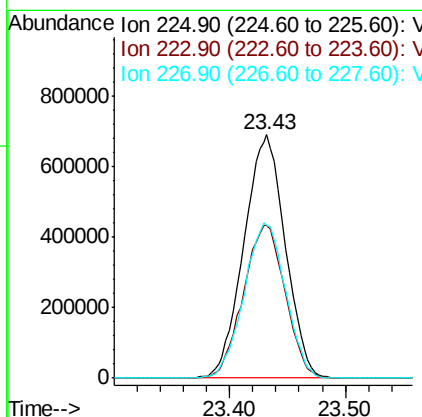
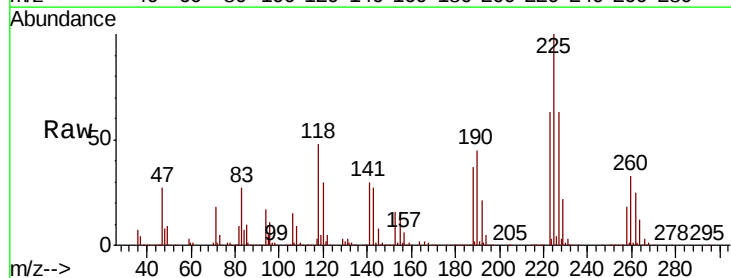
Instrument :
 MSVOA_L
 ClientSampled :

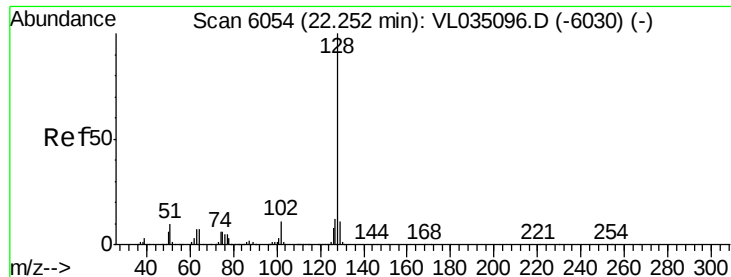
Tot Ion:146 Resp: 1853087
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.0 75.0
 148 64.3 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.255 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion:225 Resp: 1710722
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.4 77.0
 227 64.0 51.8 77.8





#79

Naphthalene

Concen: 10.495 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

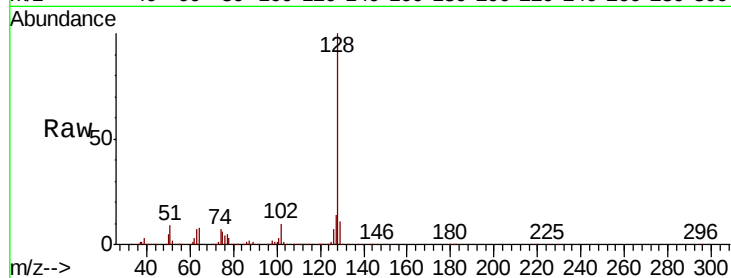
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3884704

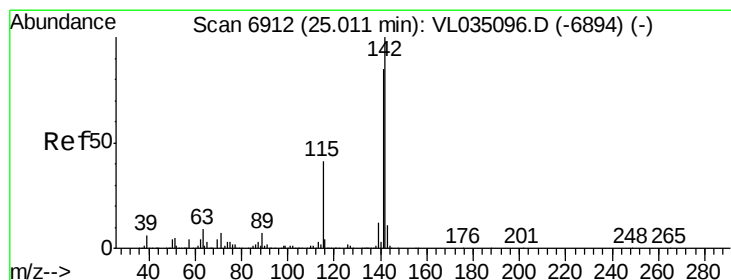
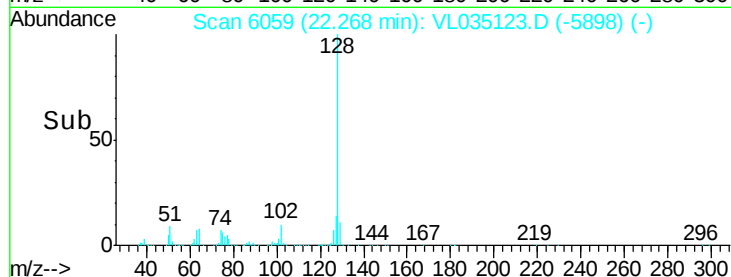
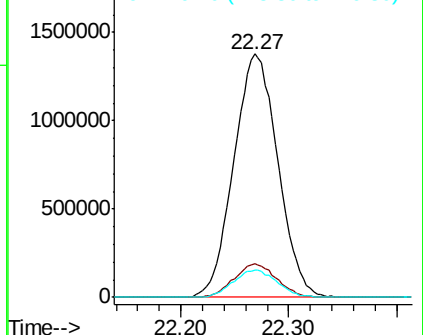
Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	11.5	9.0	13.4



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: 10.310 ppbv

RT: 25.02 min Scan# 6914

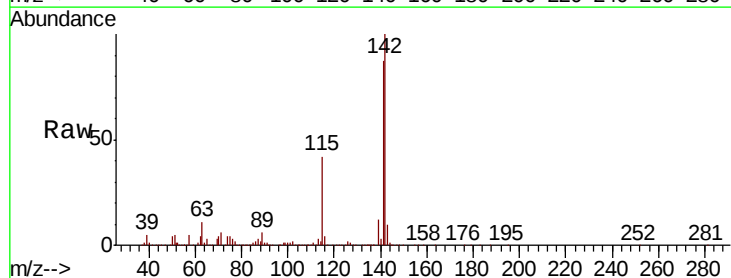
Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion:142 Resp: 1459168

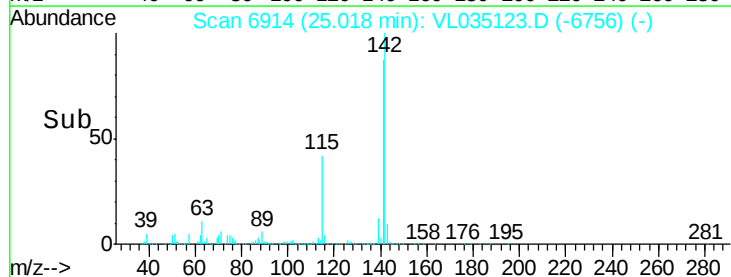
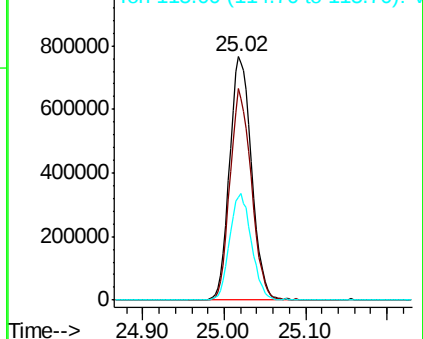
Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.5	101.3
115	43.5	33.8	50.8

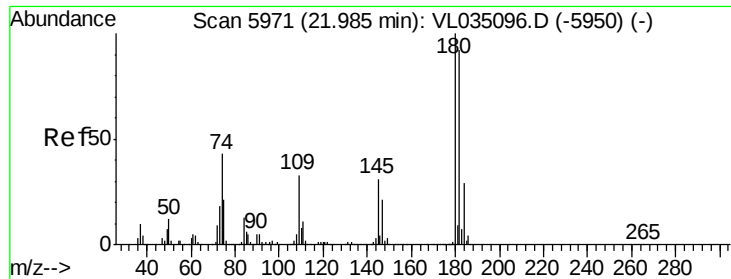


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.721 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2075613
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.9 116.9
 184 30.8 24.6 37.0

