

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034603.D
 Acq On : 6 Feb 2020 16:53
 Operator : SY/AP
 Sample : VL0206ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

Quant Time: Feb 07 07:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1052572	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.22	114	2114389	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2299398	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1896986	9.76	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	2111511	9.108	ppbv 96
3) Chlorodifluoromethane	2.97	51	1237086	9.727	ppbv 99
4) Chloromethane	3.12	50	659601	8.476	ppbv 100
5) Vinyl Chloride	3.24	62	647717	8.714	ppbv 100
6) Bromomethane	3.46	94	389116	10.064	ppbv 94
7) Chloroethane	3.55	64	246269	8.909	ppbv 93
8) Dichlorotetrafluoroethane	3.17	85	1625772	8.972	ppbv 99
9) Propene	2.99	41	425696	8.596	ppbv 99
10) Heptane	8.17	43	1192004	9.565	ppbv 100
11) Trichlorofluoromethane	3.94	101	1973474	9.371	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1297882	9.445	ppbv 99
13) Ethanol	3.59	45	112835	8.507	ppbv 99
14) Bromoethene	3.73	108	514480	9.545	ppbv 99
15) Acetone	3.84	43	1492251	9.646	ppbv 98
16) 1,3-Butadiene	3.31	39	588248	9.576	ppbv 99
17) tert-Butyl alcohol	4.29	59	1066375	9.373	ppbv 100
18) 1,1-Dichloroethene	4.29	96	564866	9.738	ppbv 92
19) Isopropyl Alcohol	3.97	45	821812	9.103	ppbv 100
20) Methylene Chloride	4.35	84	490692	8.330	ppbv 93
21) Allyl Chloride	4.41	41	918600	9.561	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	560624	9.229	ppbv 94
23) Vinyl Acetate	5.09	43	1785391	10.116	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1352990	9.182	ppbv 100
25) Ethyl Acetate	5.70	43	2180384	8.706	ppbv 99
26) Hexane	5.71	57	965756	9.206	ppbv 96
27) Carbon Disulfide	4.55	76	1430118	10.104	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1714255	9.582	ppbv 100
29) Chloroform	5.78	83	1675572	9.033	ppbv 100
30) Cyclohexane	7.17	84	761357	9.794	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1012139	9.287	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1778884	8.932	ppbv 100
34) 2-Butanone	5.26	43	1394659	9.084	ppbv 99
35) Carbon Tetrachloride	7.05	117	1923482	9.515	ppbv 98
36) Benzene	6.93	78	1785076	9.493	ppbv 97
37) 1,2-Dichloroethane	6.34	62	1472274	9.385	ppbv 100
38) Trichloroethene	7.88	130	767895	9.688	ppbv 94
39) 1,2-Dichloropropane	7.65	63	737362	9.460	ppbv 97
40) 1,4-Dioxane	7.87	88	276487	9.227	ppbv 94
41) Tetrahydrofuran	6.08	42	761310	9.506	ppbv 99
42) Bromodichloromethane	7.84	83	1883210	9.753	ppbv 97
43) Methyl Methacrylate	8.05	69	760236	10.052	ppbv 99

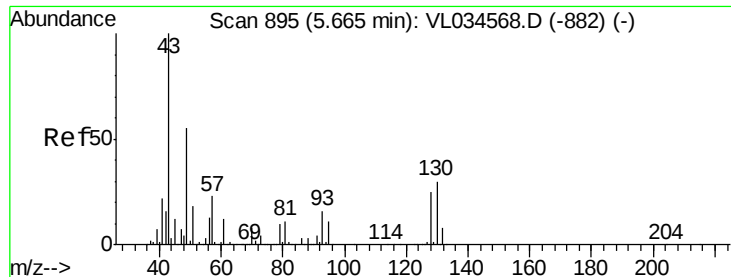
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034603.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3235974	9.485	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1022662	10.327	ppbv	95
46) cis-1,3-Dichloropropene	8.75	75	1153346	10.247	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	813207	9.632	ppbv	97
48) Dibromochloromethane	10.37	129	1582880	10.232	ppbv	99
49) Bromoform	13.11	173	1412733	10.401	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2121755	9.691	ppbv	99
51) 2-Hexanone	10.19	43	1739210	10.091	ppbv #	100
52) Tetrachloroethene	11.29	164	715831	9.477	ppbv	96
53) Toluene	9.86	91	2122902	10.277	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1290930	10.204	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	1083178	9.542	ppbv	98
57) Chlorobenzene	12.21	112	1703206	9.002	ppbv	95
58) Ethyl Benzene	12.78	91	2988511	9.713	ppbv	97
59) m/p-Xylene	13.07	91	5144212m	18.913	ppbv	
60) o-Xylene	13.76	91	2599346	9.516	ppbv	99
61) Styrene	13.60	104	1782923	9.789	ppbv	98
62) Isopropylbenzene	14.74	105	3421834	9.667	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1876232	8.881	ppbv	98
64) n-propylbenzene	15.64	120	889294	9.765	ppbv	96
65) tert-Butylbenzene	16.82	119	3177284	9.907	ppbv	100
66) Benzyl Chloride	17.07	91	1493322	11.105	ppbv	100
67) sec-Butylbenzene	17.37	105	4319494	9.801	ppbv	99
69) p-Isopropyltoluene	17.73	119	3604893	10.073	ppbv	100
70) n-Butylbenzene	18.63	91	3788547	9.973	ppbv	99
71) 2-Chlorotoluene	15.53	91	2653199	9.874	ppbv	99
72) 4-Ethyltoluene	15.91	105	2959364	9.863	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2877332	9.814	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	3018230	9.299	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1685950	9.021	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1654020	8.980	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1640469	9.137	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1364684	7.949	ppbv	99
79) Naphthalene	22.30	128	2330990	9.122	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	478783	4.870	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1332668	8.459	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

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MSVOA_L

ClientSampleId :

VL0206ABS01

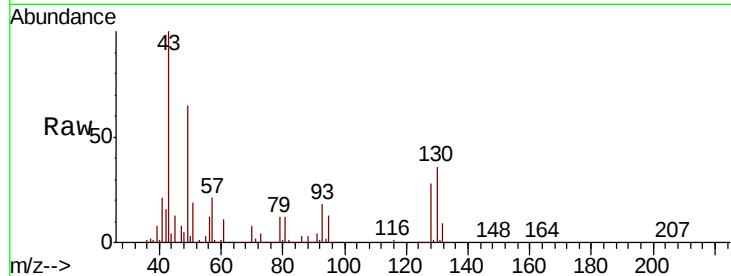
Tot Ion: 49 Resp: 1052572

Ion Ratio Lower Upper

49 100

128 45.4 22.7 68.1

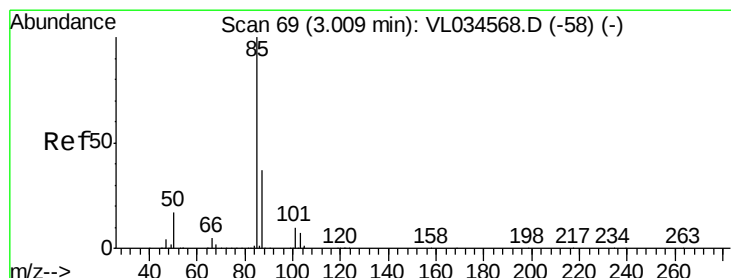
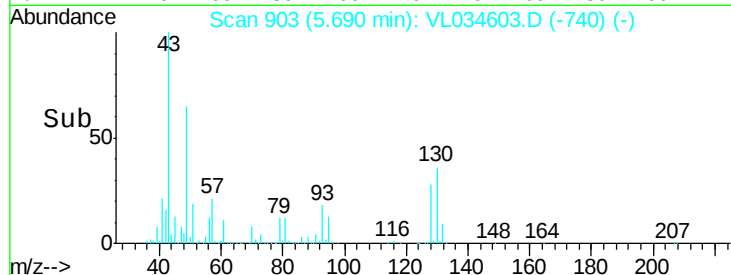
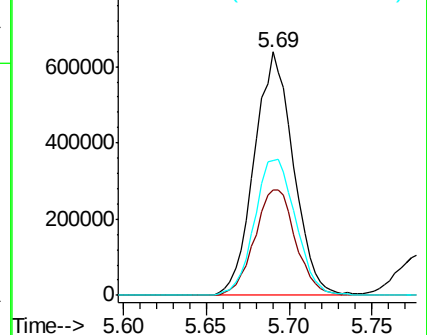
130 59.1 28.6 85.8



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: 9.108 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL034603.D

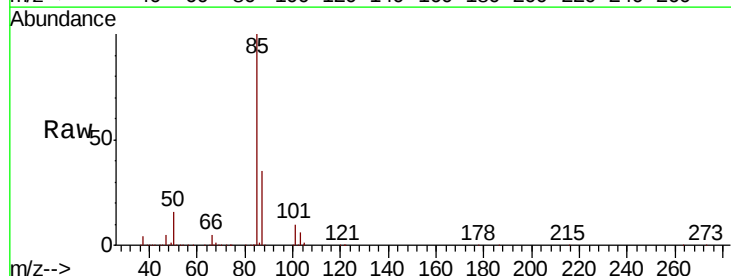
Acq: 6 Feb 2020 16:53

Tgt Ion: 85 Resp: 2111511

Ion Ratio Lower Upper

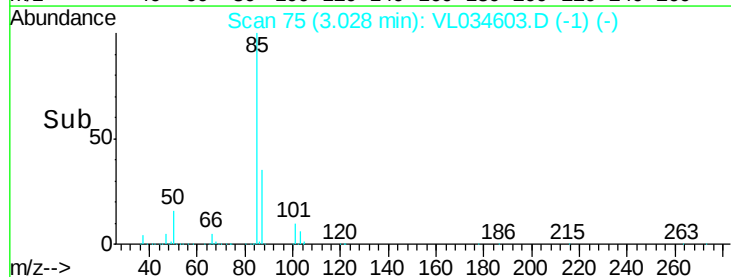
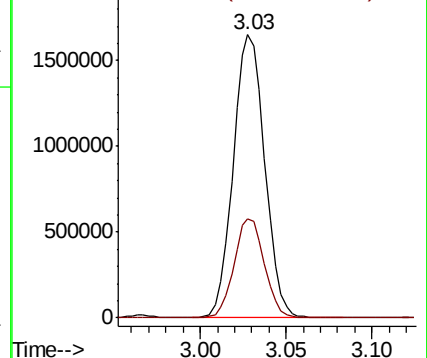
85 100

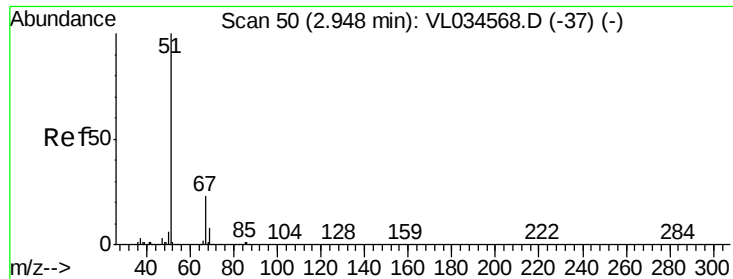
87 34.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.727 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

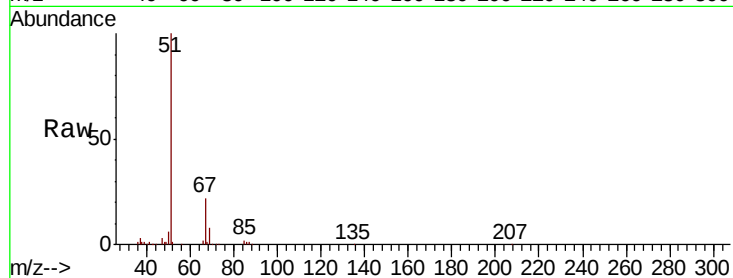
VL0206ABS01

Tot Ion: 51 Resp: 1237086

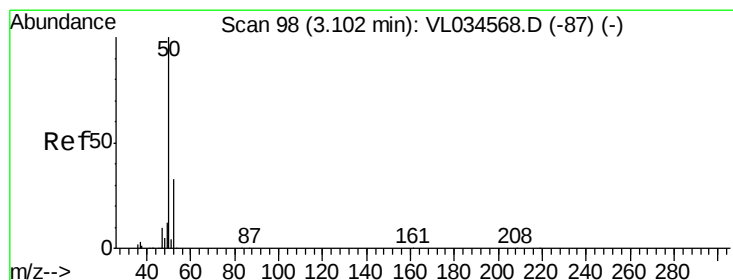
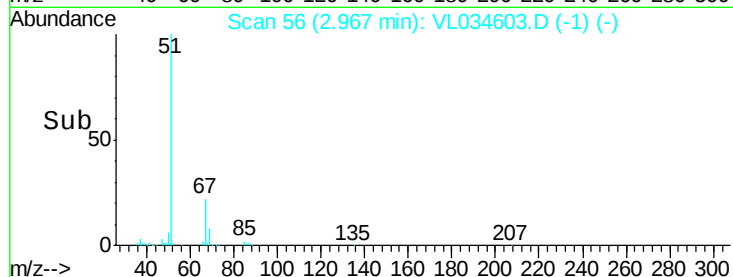
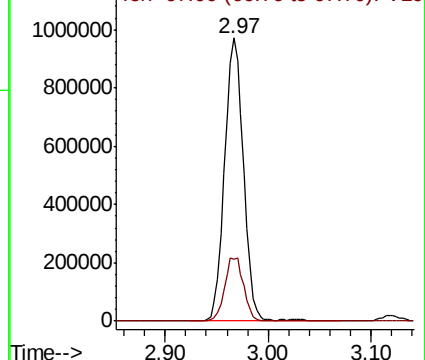
Ion Ratio Lower Upper

51 100

67 22.5 17.8 26.8



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



#4

Chloromethane

Concen: 8.476 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034603.D

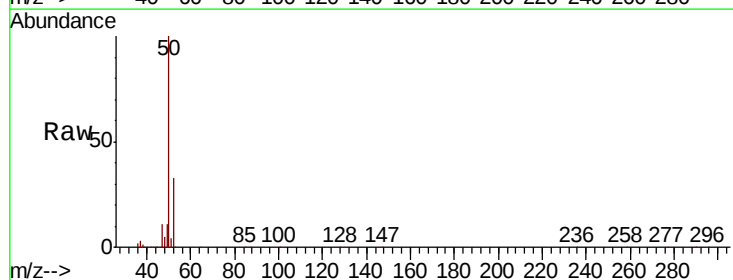
Acq: 6 Feb 2020 16:53

Tgt Ion: 50 Resp: 659601

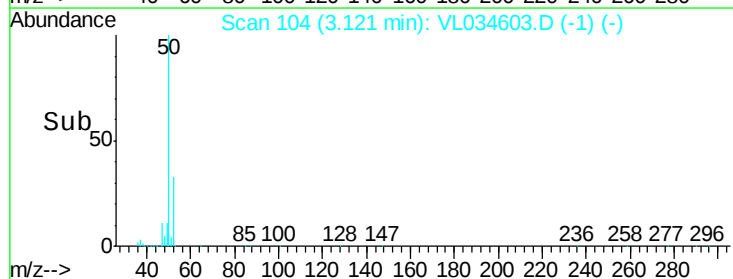
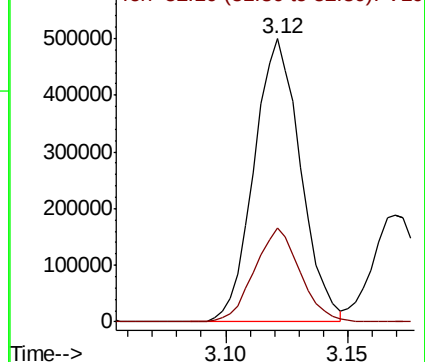
Ion Ratio Lower Upper

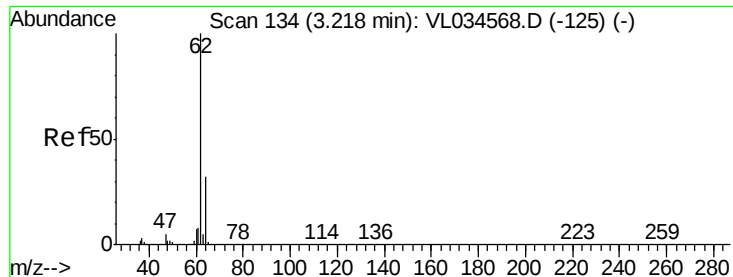
50 100

52 33.3 26.6 39.8



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





#5

Vinyl Chloride

Concen: 8.714 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

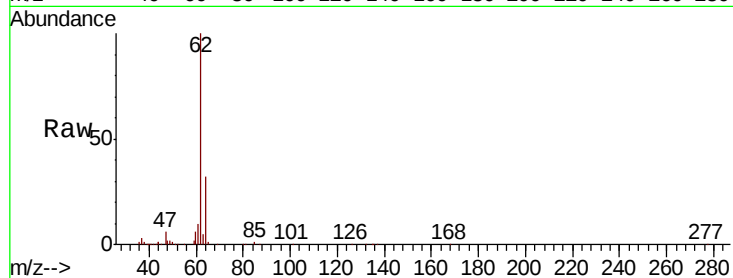
VL0206ABS01

Tot Ion: 62 Resp: 647717

Ion Ratio Lower Upper

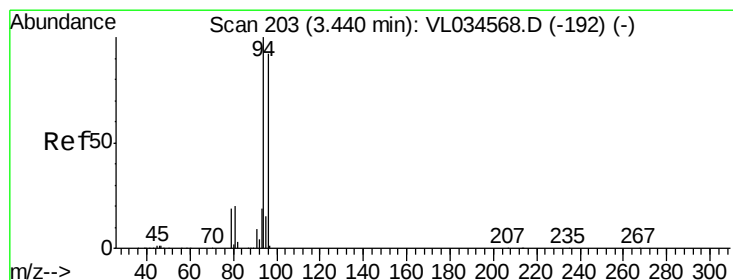
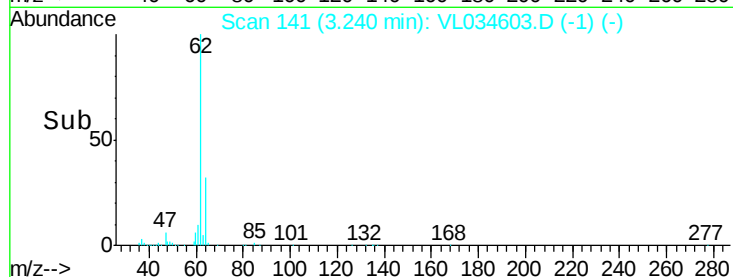
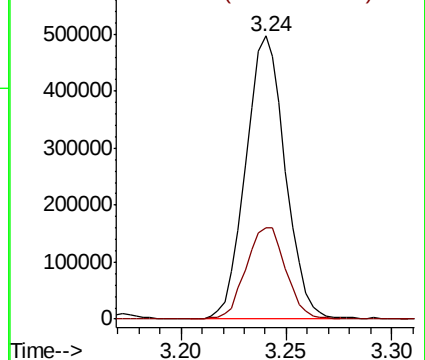
62 100

64 32.3 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.064 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034603.D

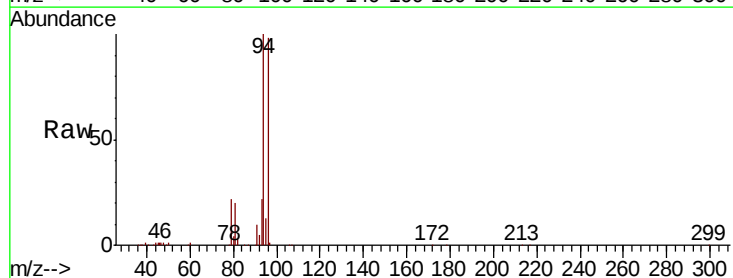
Acq: 6 Feb 2020 16:53

Tgt Ion: 94 Resp: 389116

Ion Ratio Lower Upper

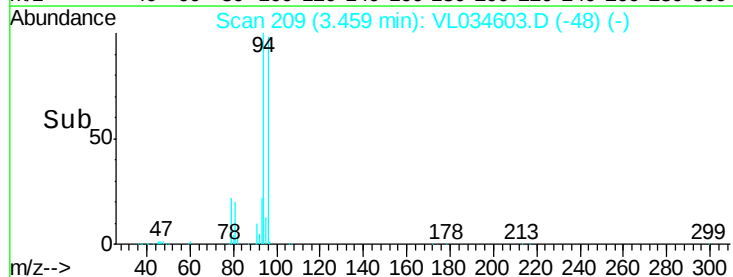
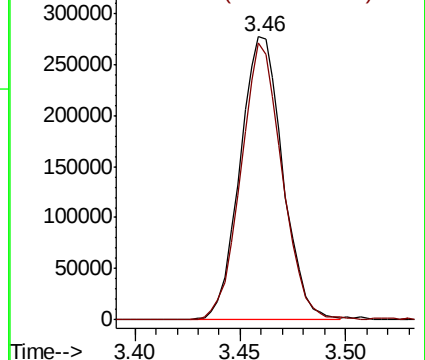
94 100

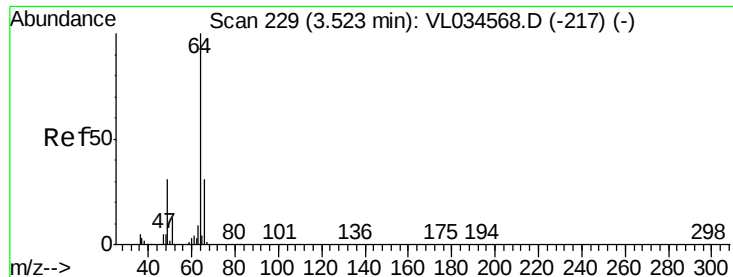
96 97.9 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.909 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

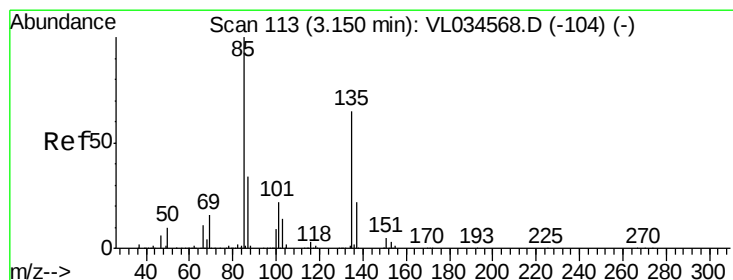
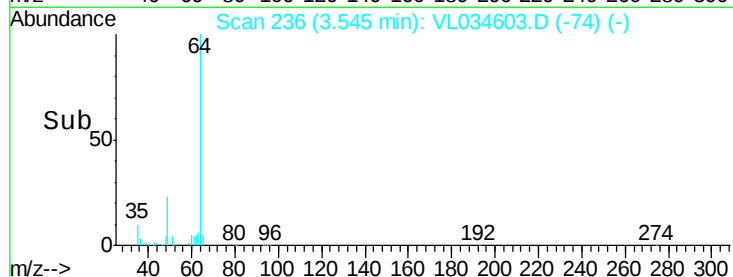
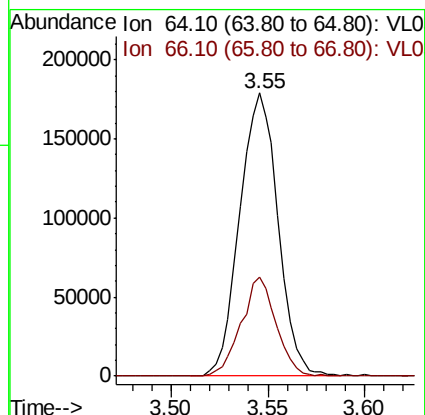
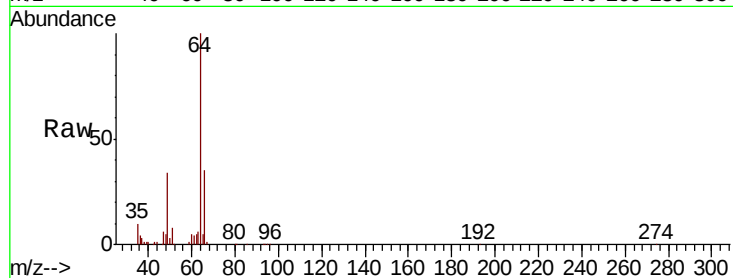
VL0206ABS01

Tot Ion: 64 Resp: 246269

Ion Ratio Lower Upper

64 100

66 35.1 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 8.972 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.02 min

Lab File: VL034603.D

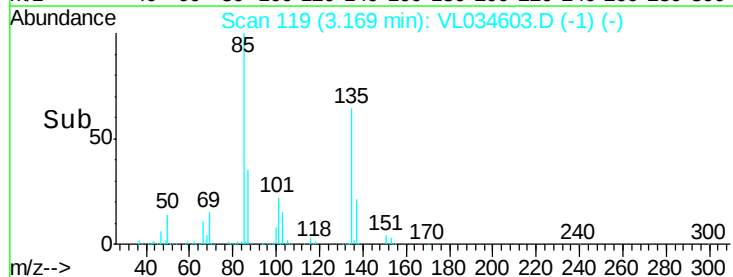
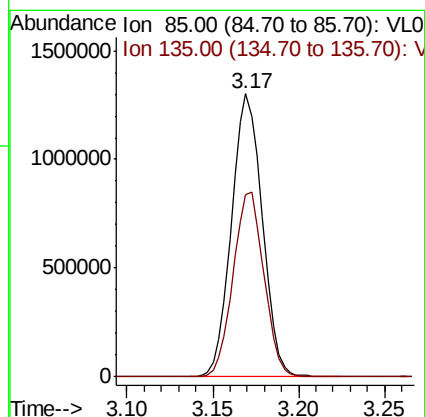
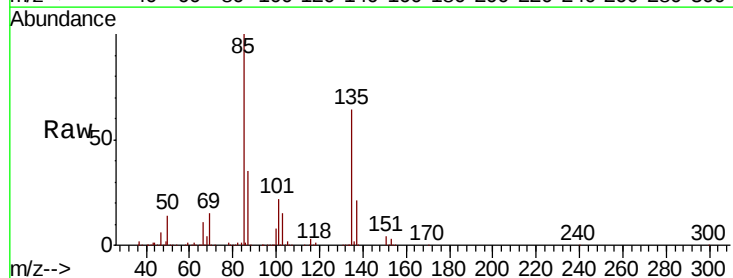
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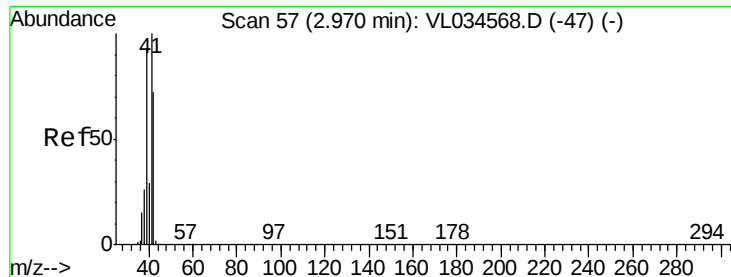
Tgt Ion: 85 Resp: 1625772

Ion Ratio Lower Upper

85 100

135 65.7 52.2 78.2





#9

Propene

Concen: 8.596 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

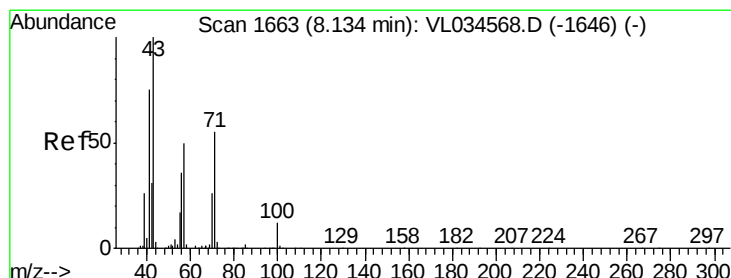
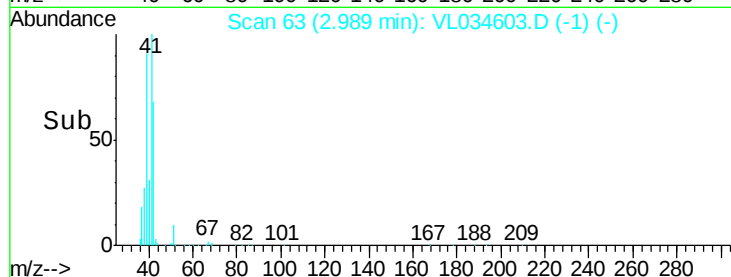
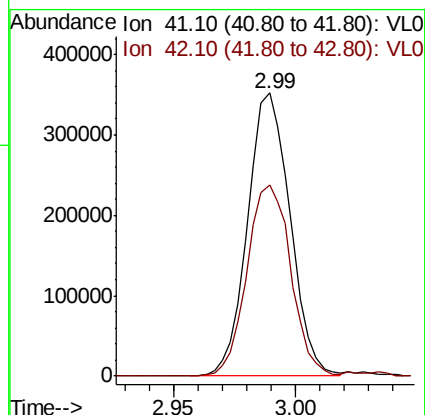
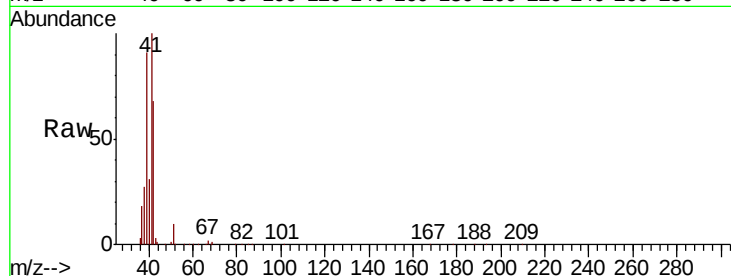
VL0206ABS01

Tot Ion: 41 Resp: 425696

Ion Ratio Lower Upper

41 100

42 70.7 57.0 85.4



#10

Heptane

Concen: 9.565 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.03 min

Lab File: VL034603.D

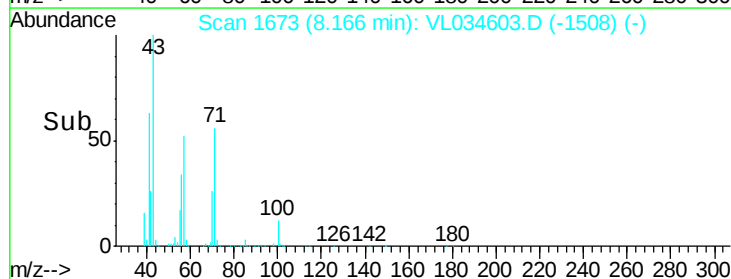
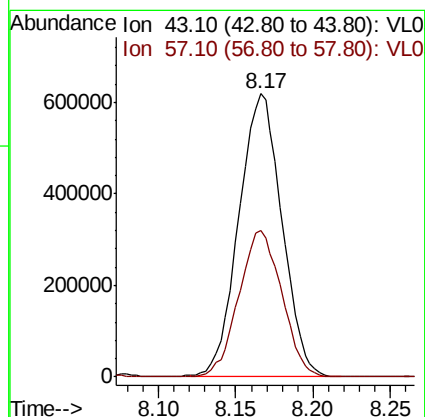
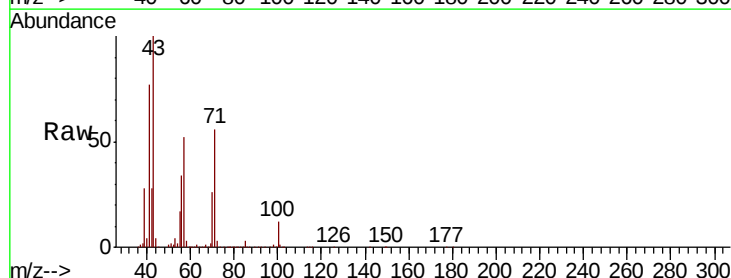
Acq: 6 Feb 2020 16:53

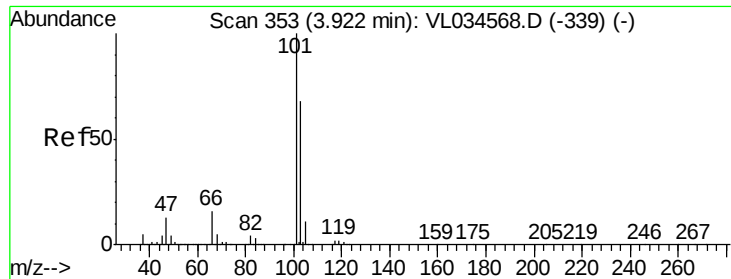
Tgt Ion: 43 Resp: 1192004

Ion Ratio Lower Upper

43 100

57 51.6 41.2 61.8

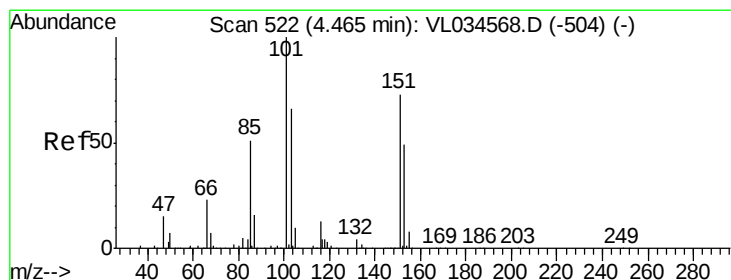
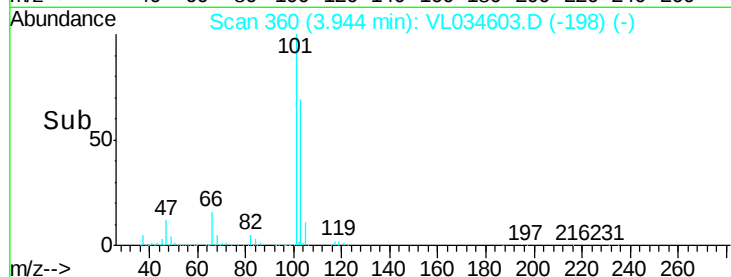
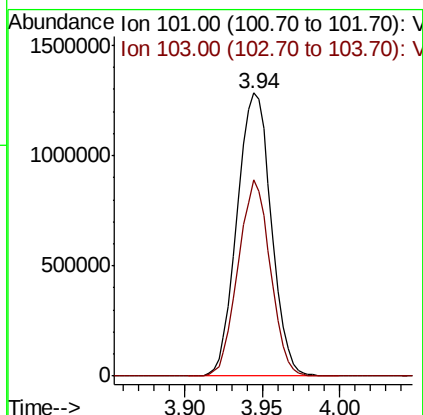
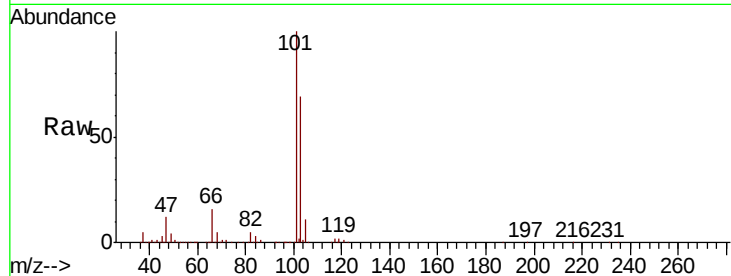




#11
 Trichlorofluoromethane
 Concen: 9.371 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

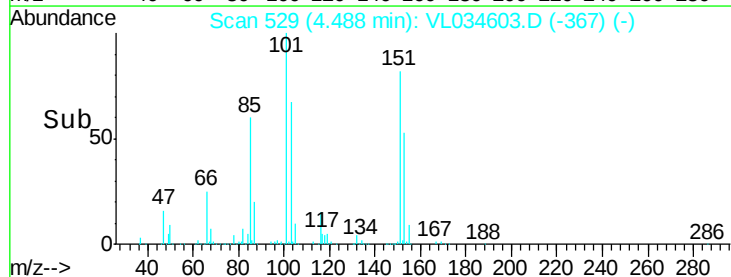
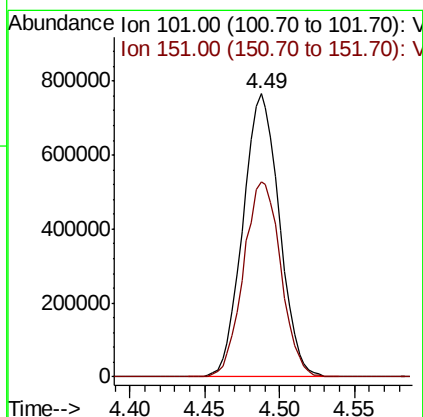
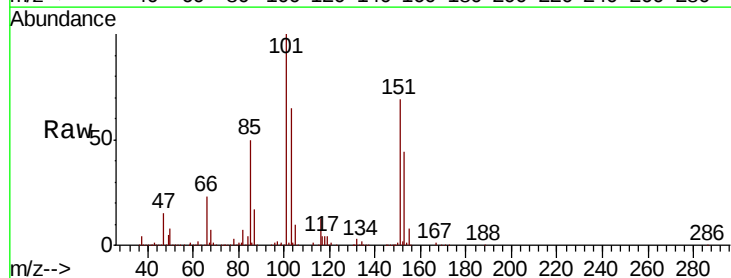
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

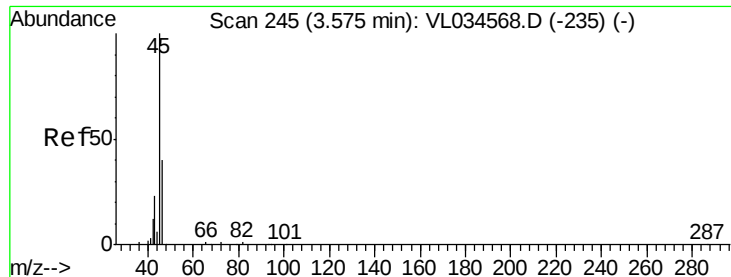
Tot Ion:101 Resp: 1973474
 Ion Ratio Lower Upper
 101 100
 103 69.3 54.4 81.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.445 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion:101 Resp: 1297882
 Ion Ratio Lower Upper
 101 100
 151 70.7 57.0 85.6





#13

Ethanol

Concen: 8.507 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

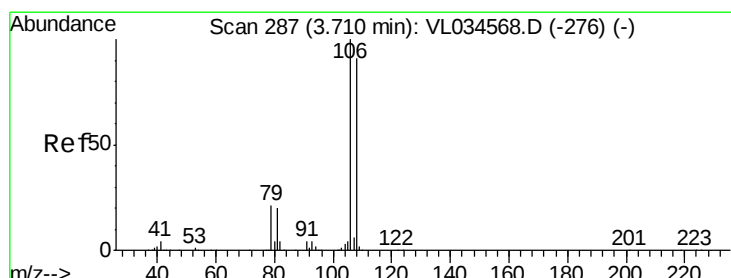
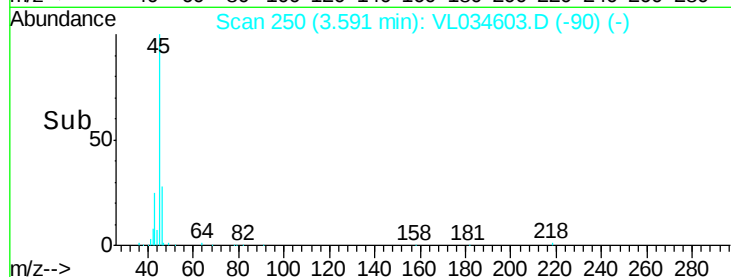
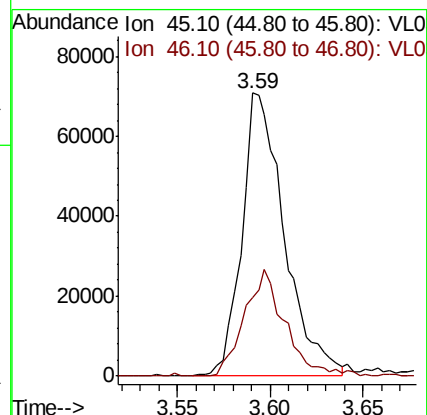
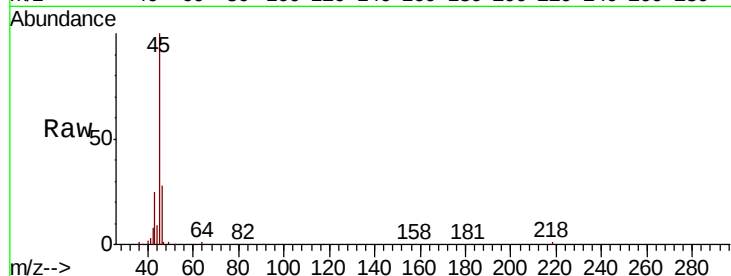
VL0206ABS01

Tot Ion: 45 Resp: 112835

Ion Ratio Lower Upper

45 100

46 36.4 14.8 59.2



#14

Bromoethene

Concen: 9.545 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

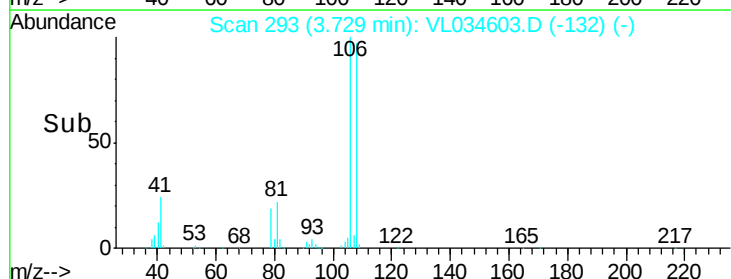
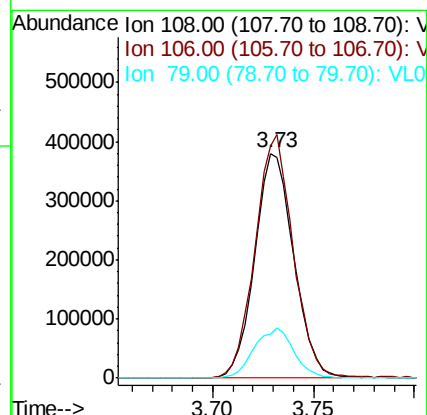
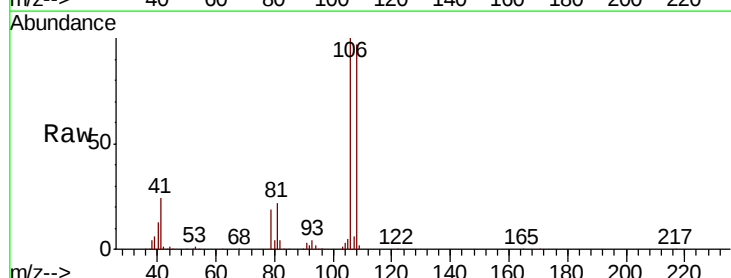
Tgt Ion: 108 Resp: 514480

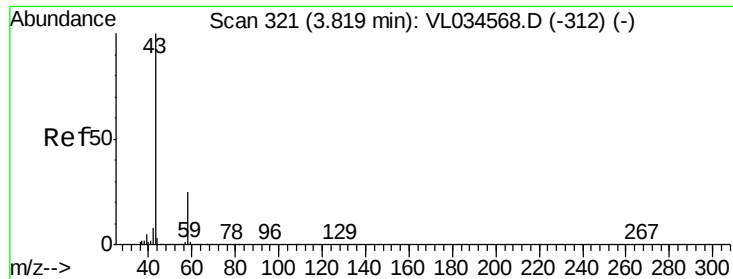
Ion Ratio Lower Upper

108 100

106 106.2 84.6 127.0

79 23.2 18.2 27.2





#15

Acetone

Concen: 9.646 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

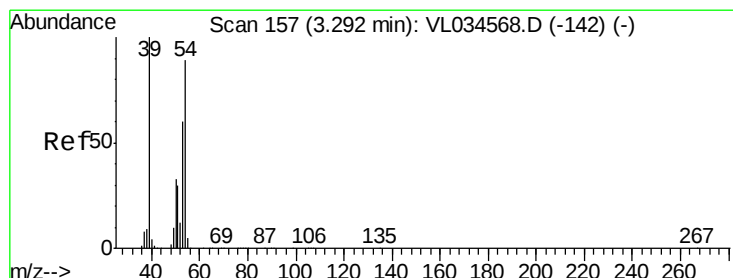
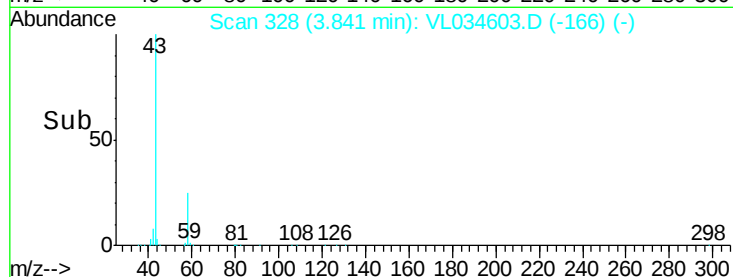
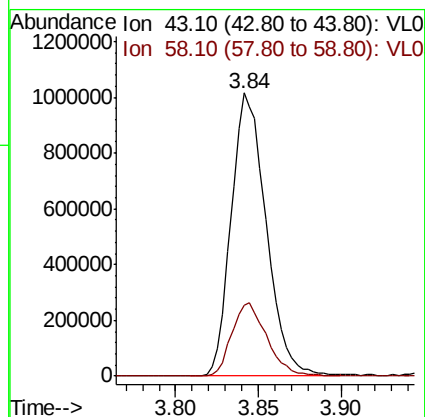
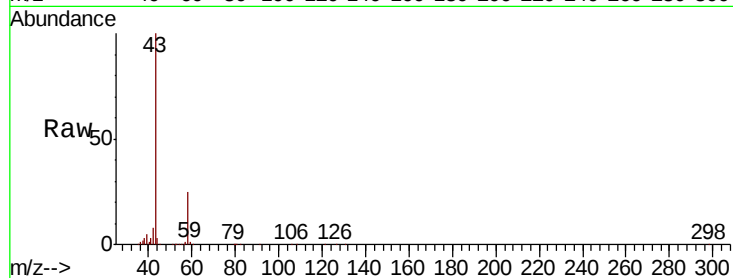
VL0206ABS01

Tot Ion: 43 Resp: 1492251

Ion Ratio Lower Upper

43 100

58 26.2 20.3 30.5



#16

1,3-Butadiene

Concen: 9.576 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034603.D

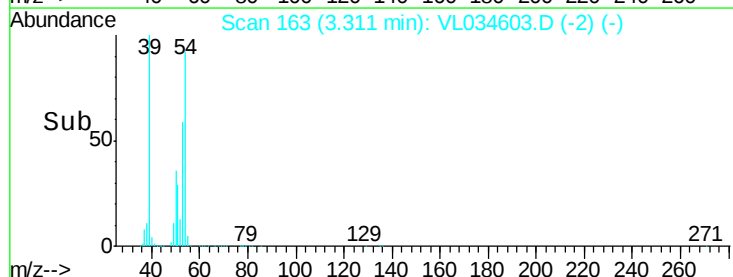
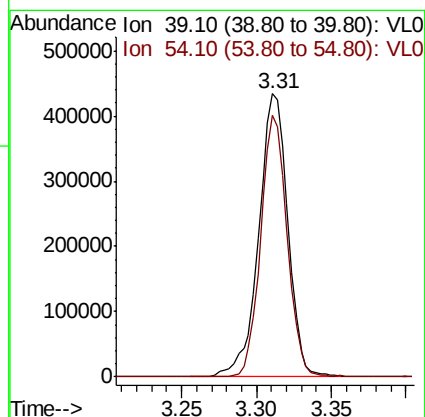
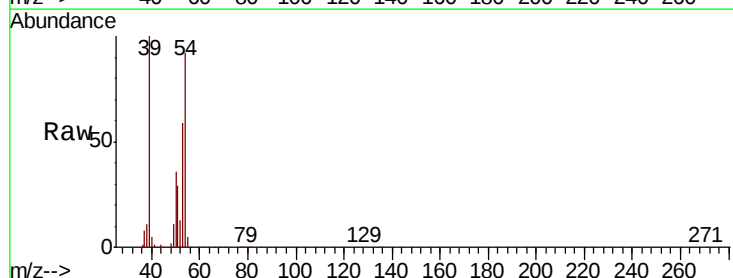
Acq: 6 Feb 2020 16:53

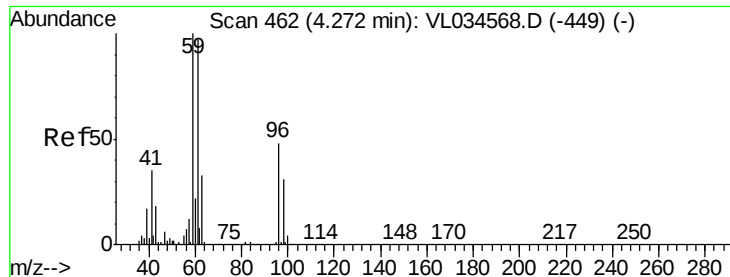
Tgt Ion: 39 Resp: 588248

Ion Ratio Lower Upper

39 100

54 83.9 66.7 100.1



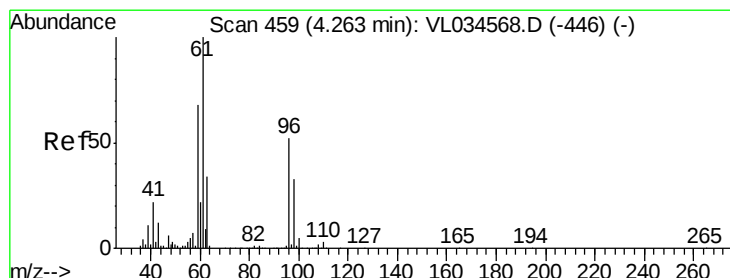
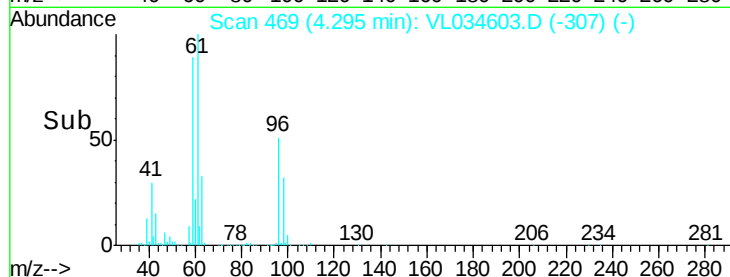
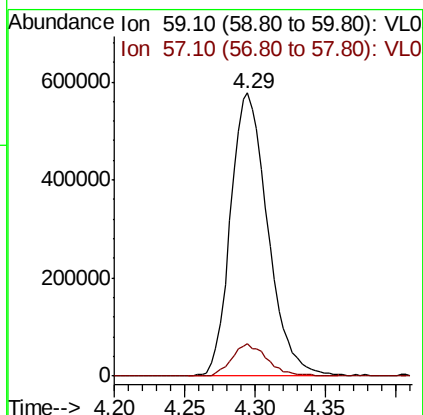
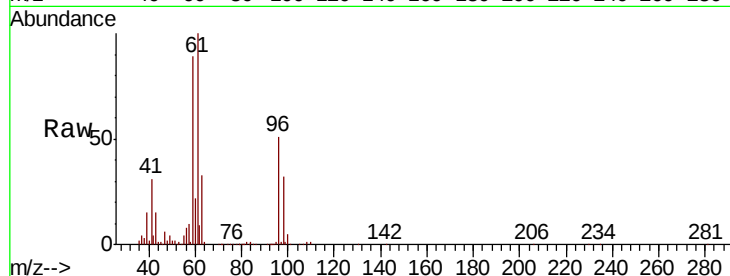


#17

tert-Butyl alcohol
 Concen: 9.373 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

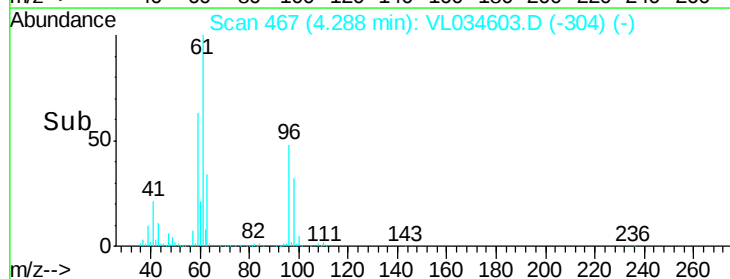
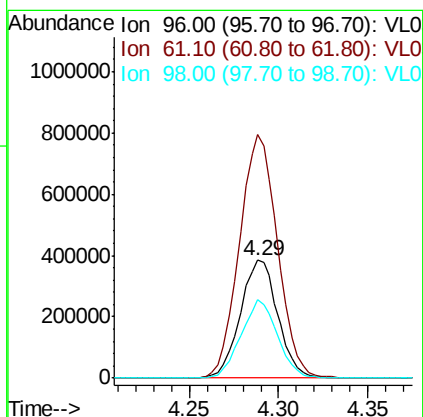
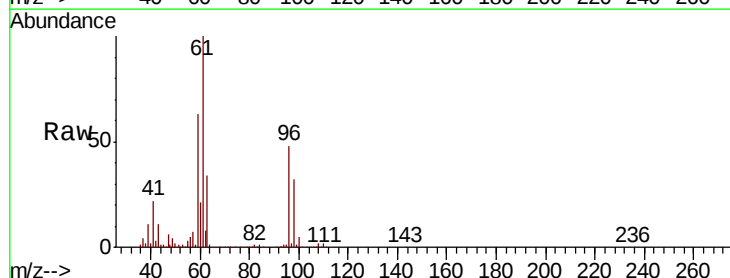
Tot Ion: 59 Resp: 1066375
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.7 13.1

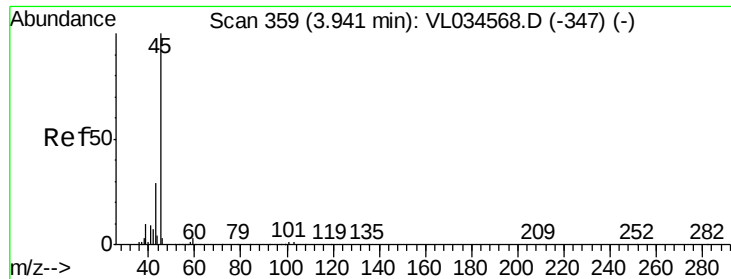


#18

1,1-Dichloroethene
 Concen: 9.738 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion: 96 Resp: 564866
 Ion Ratio Lower Upper
 96 100
 61 206.5 154.5 231.7
 98 66.6 50.3 75.5

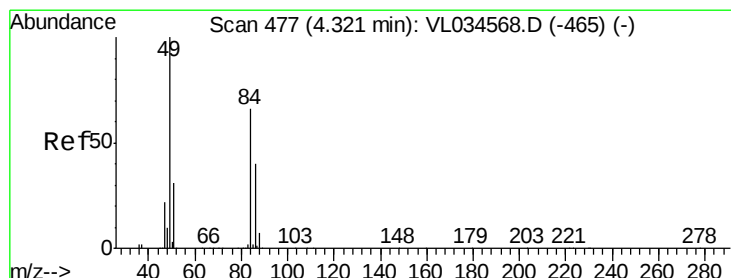
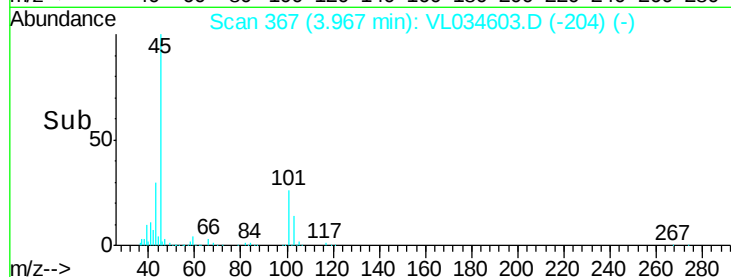
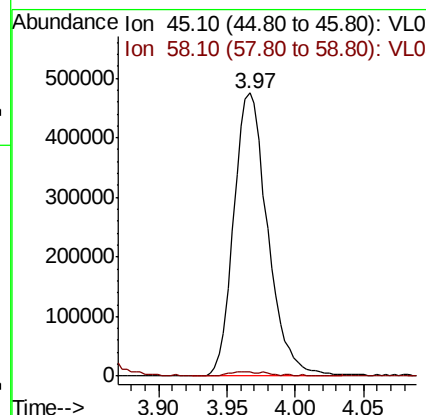
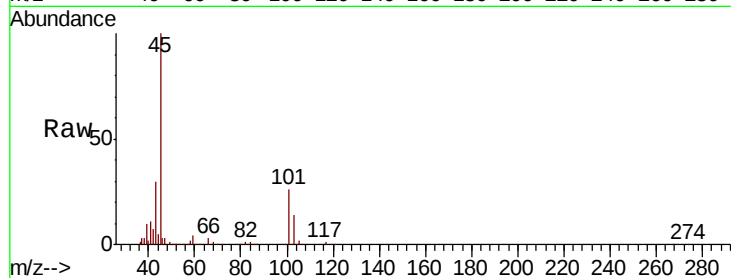




#19
Isopropyl Alcohol
Concen: 9.103 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

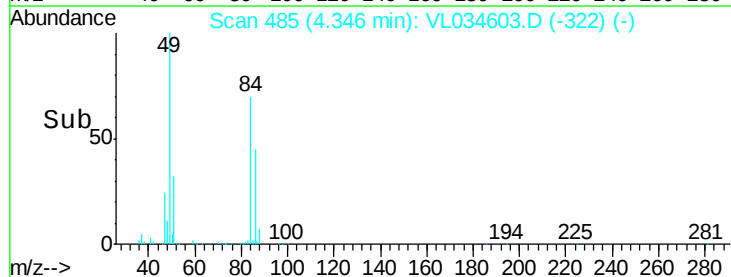
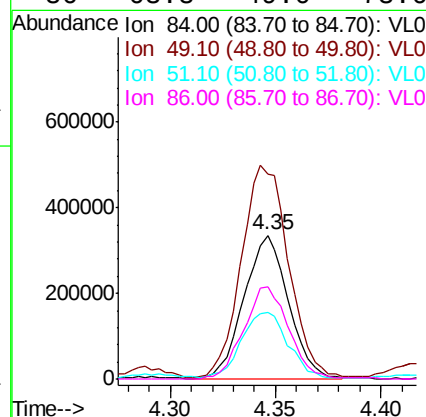
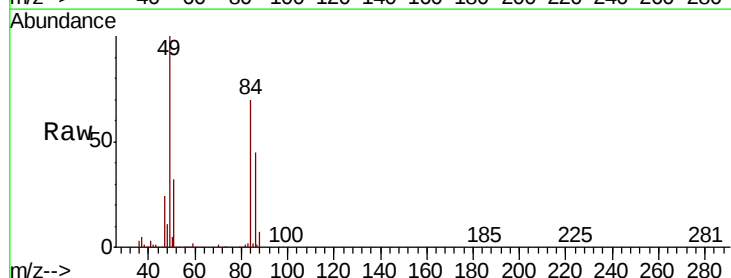
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

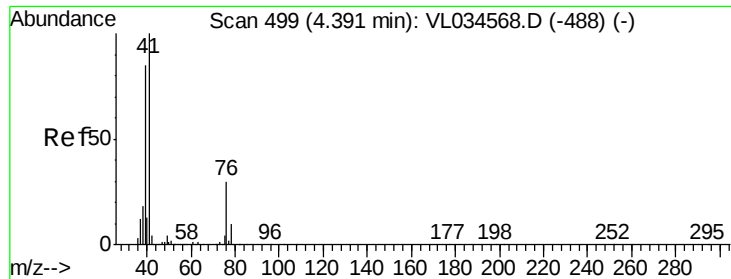
Tot Ion: 45 Resp: 821812
Ion Ratio Lower Upper
45 100
58 2.2 1.7 2.5



#20
Methylene Chloride
Concen: 8.330 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion: 84 Resp: 490692
Ion Ratio Lower Upper
84 100
49 141.6 122.4 183.6
51 45.4 38.6 57.8
86 63.8 49.0 73.6

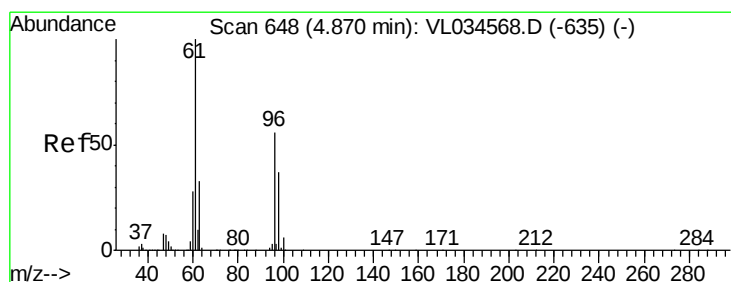
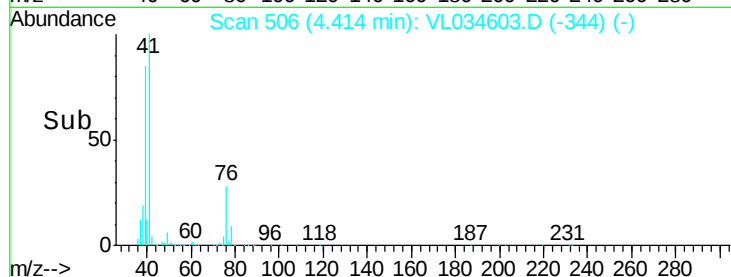
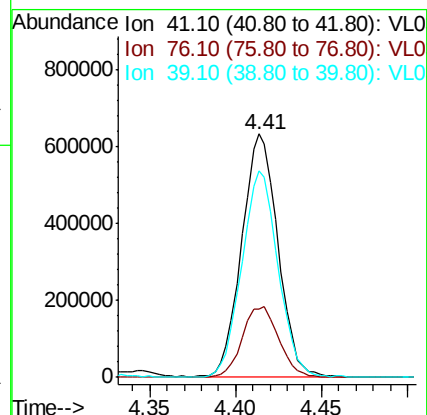
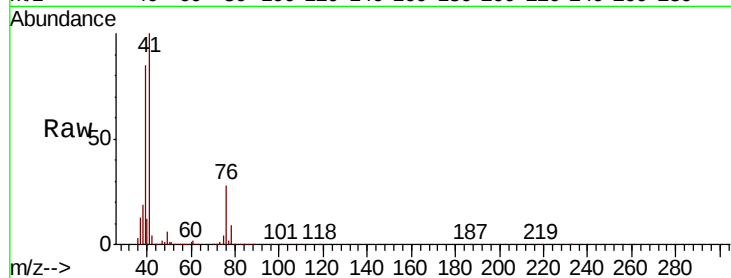




#21
Allvl Chloride
Concen: 9.561 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

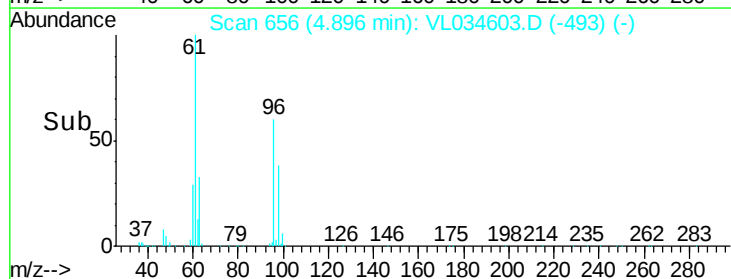
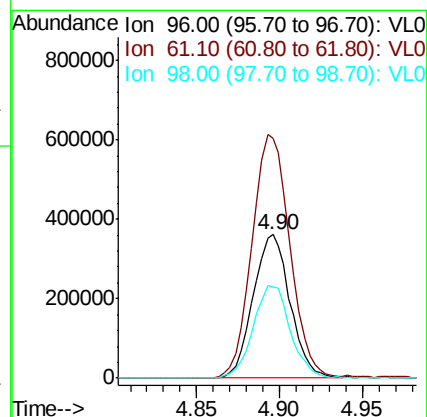
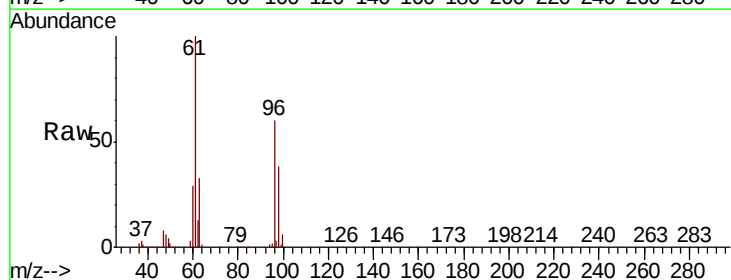
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

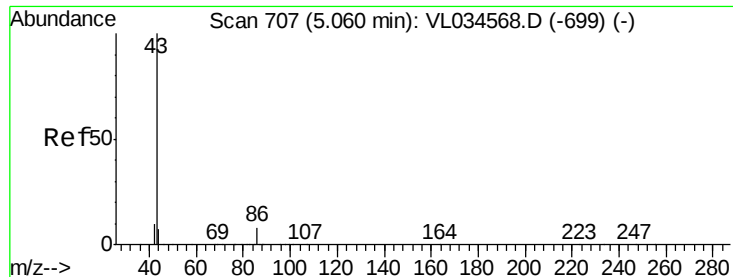
Tot Ion: 41 Resp: 918600
Ion Ratio Lower Upper
41 100
76 29.7 24.2 36.2
39 85.3 68.3 102.5



#22
trans-1,2-Dichloroethene
Concen: 9.229 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion: 96 Resp: 560624
Ion Ratio Lower Upper
96 100
61 167.5 141.9 212.9
98 63.5 53.1 79.7



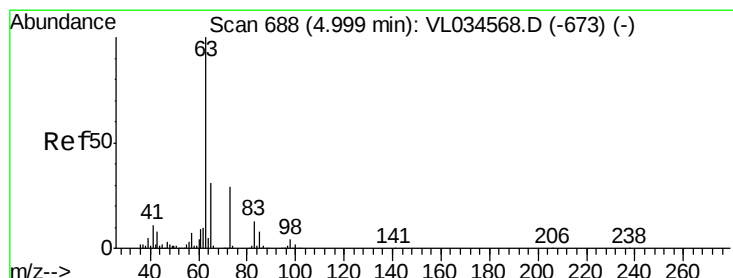
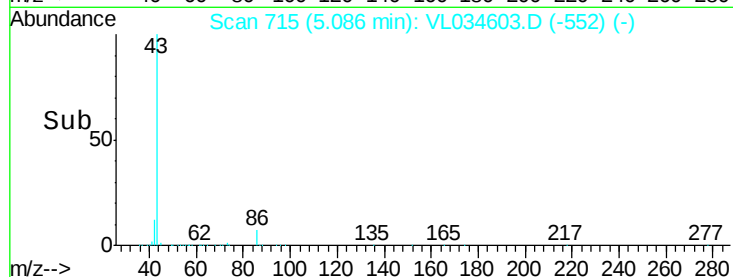
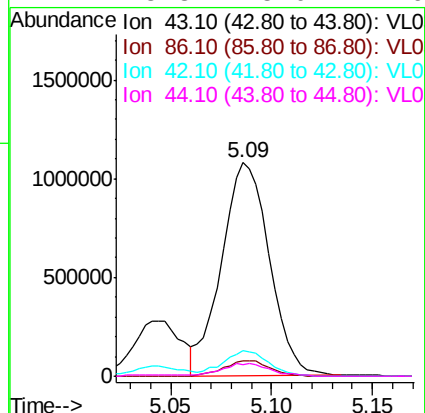
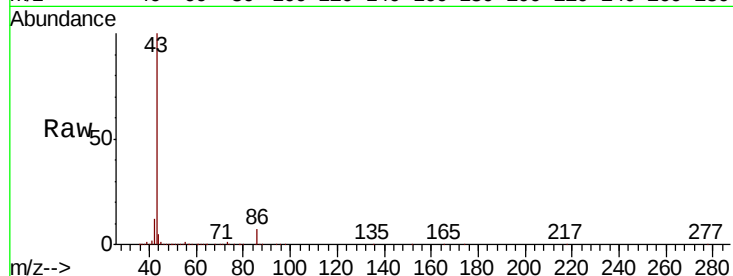


#23
 Vinyl Acetate
 Concen: 10.116 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

Tot Ion: 43 Resp: 1785391

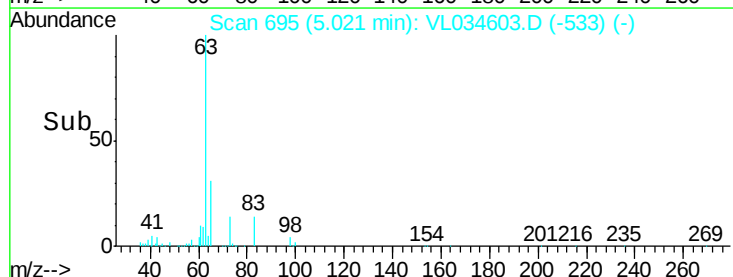
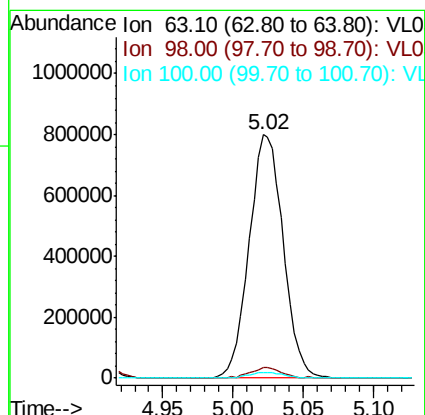
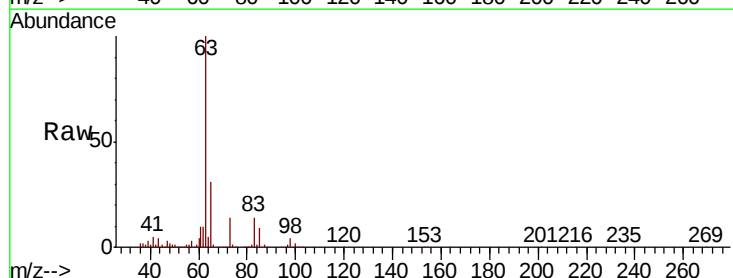
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	12.1	8.8	13.2
44	5.3	5.0	7.6

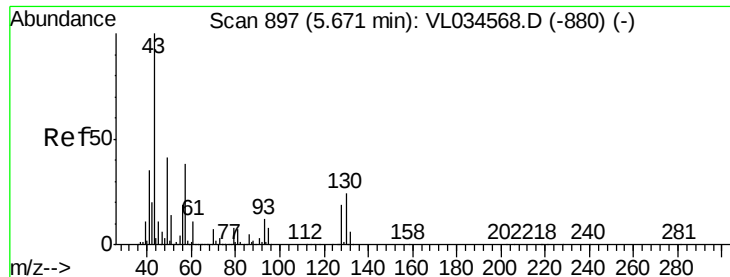


#24
 1,1-Dichloroethane
 Concen: 9.182 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion: 63 Resp: 1352990

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.4	1.1	3.5



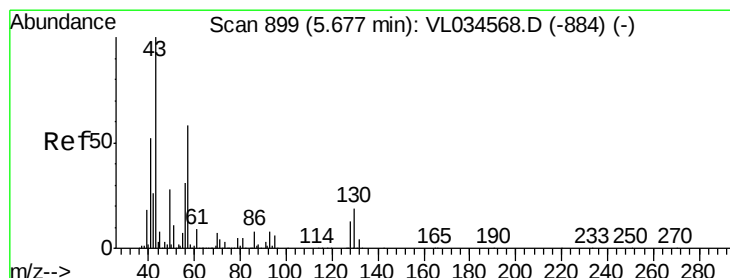
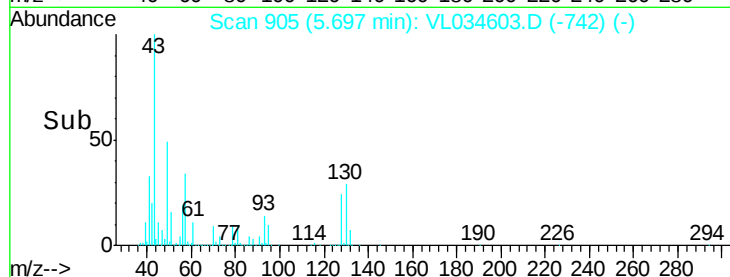
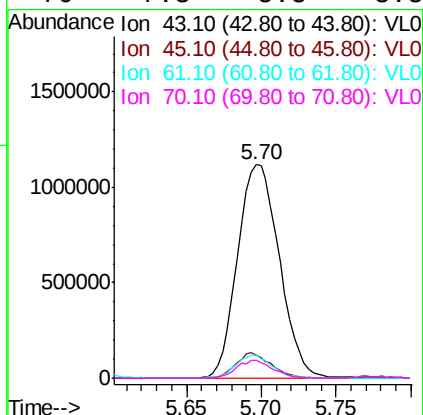
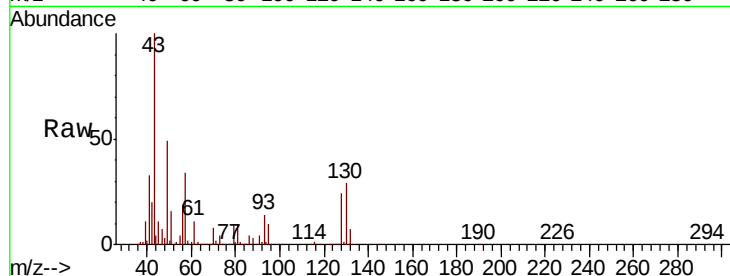


#25
Ethyl Acetate
Concen: 8.706 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

Tot Ion: 43 Resp: 2180384

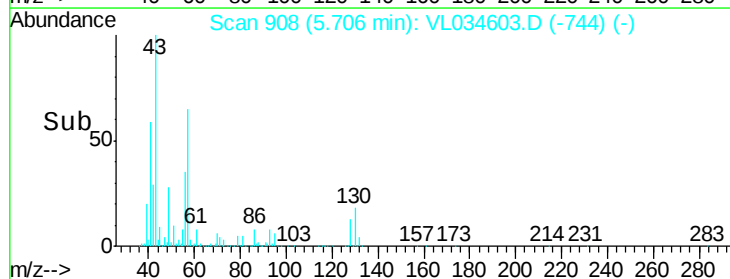
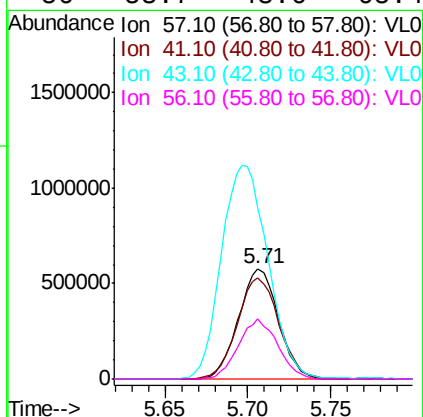
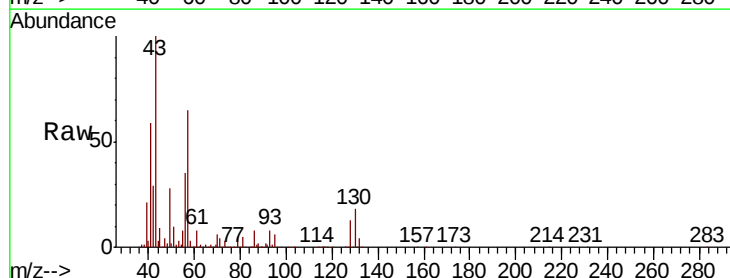
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.5	12.7
61	9.6	7.8	11.6
70	7.3	5.8	8.8

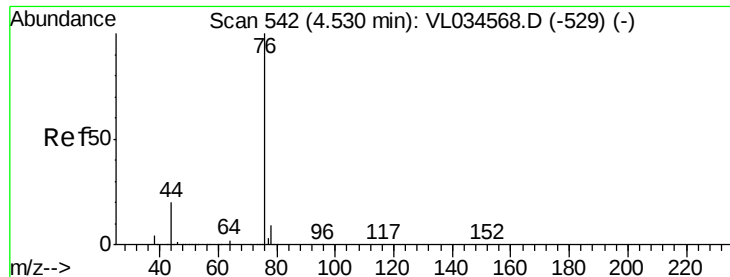


#26
Hexane
Concen: 9.206 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion: 57 Resp: 965756

Ion	Ratio	Lower	Upper
57	100		
41	96.0	76.2	114.2
43	226.7	189.9	284.9
56	53.7	43.6	65.4





#27

Carbon Disulfide

Concen: 10.104 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

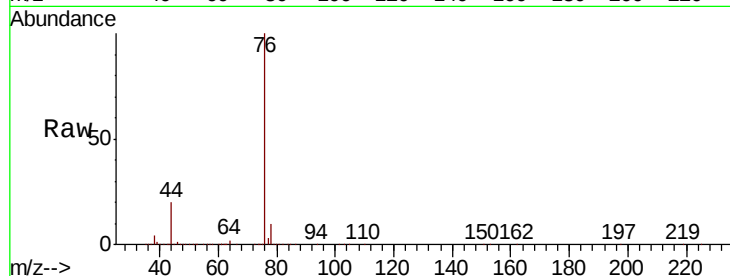
Tot Ion: 76 Resp: 1430118

Ion Ratio Lower Upper

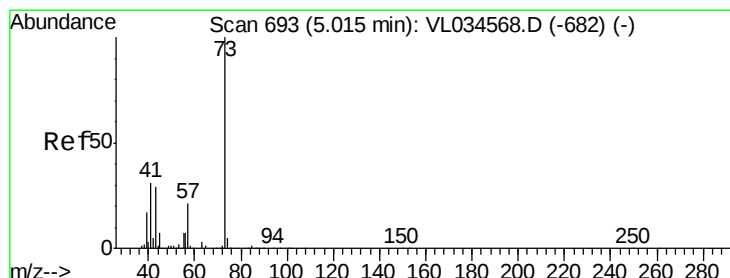
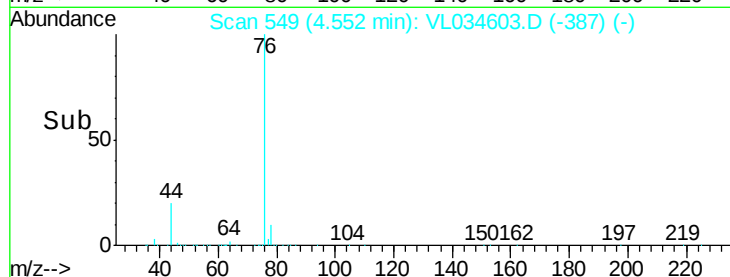
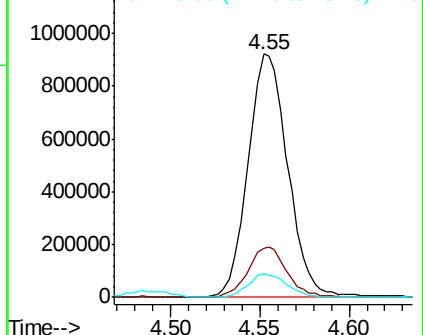
76 100

44 19.9 16.3 24.5

78 9.6 7.4 11.2



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: 9.582 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL034603.D

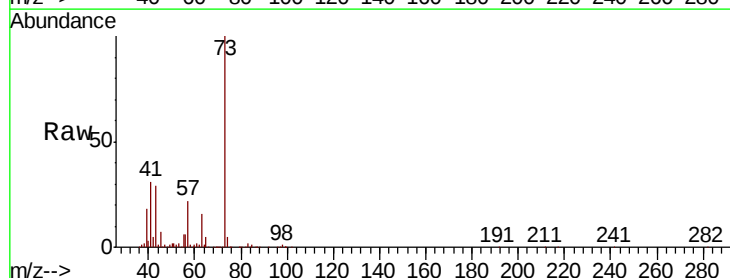
Acq: 6 Feb 2020 16:53

Tgt Ion: 73 Resp: 1714255

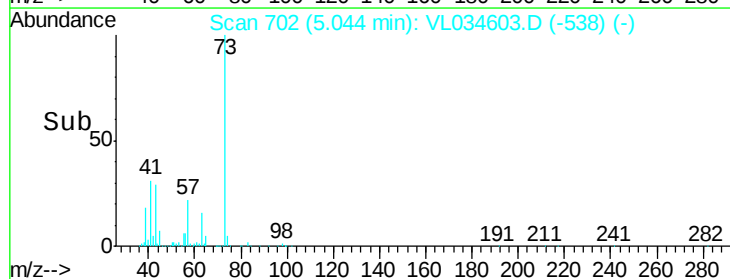
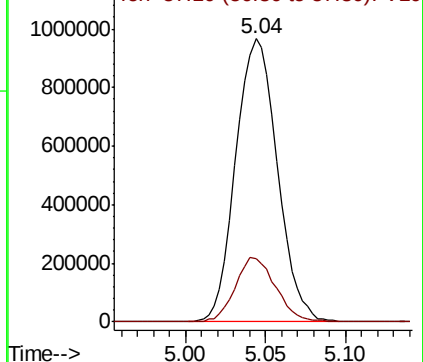
Ion Ratio Lower Upper

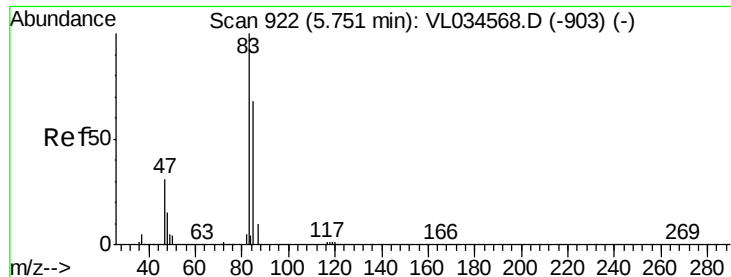
73 100

57 22.2 17.9 26.9



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





#29

Chloroform

Concen: 9.033 ppbv

RT: 5.78 min Scan# 930

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

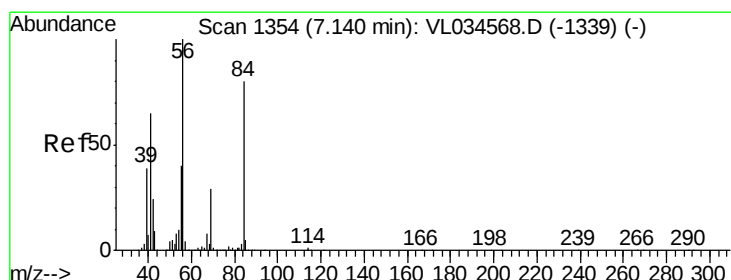
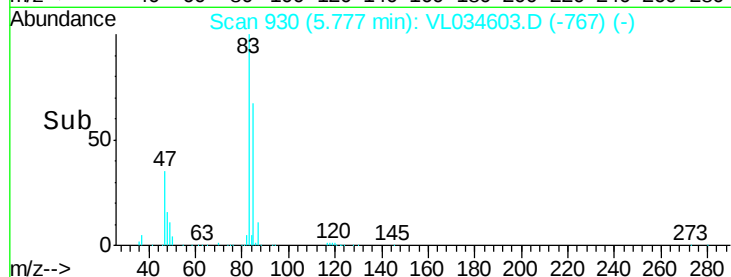
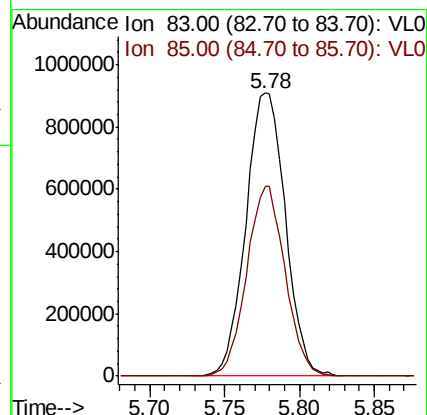
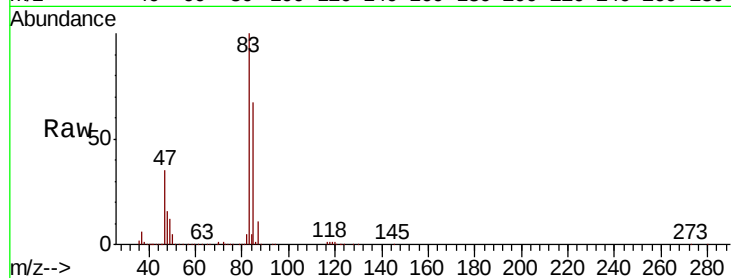
VL0206ABS01

Tot Ion: 83 Resp: 1675572

Ion Ratio Lower Upper

83 100

85 67.2 54.0 81.0



#30

Cyclohexane

Concen: 9.794 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

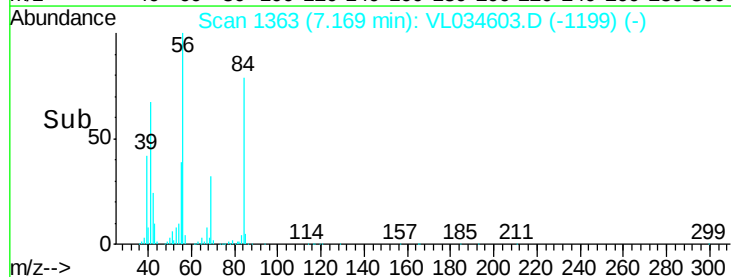
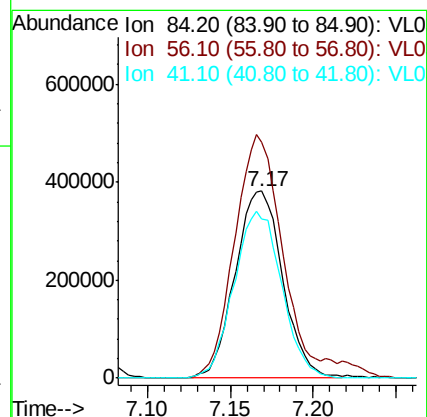
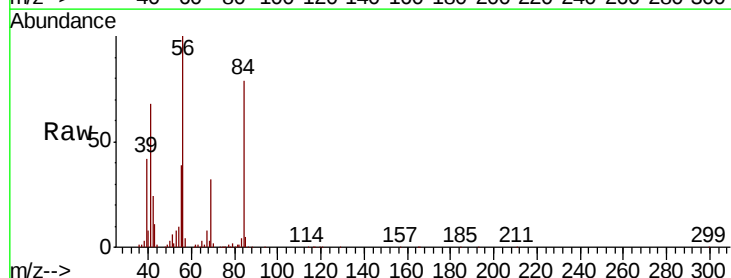
Tgt Ion: 84 Resp: 761357

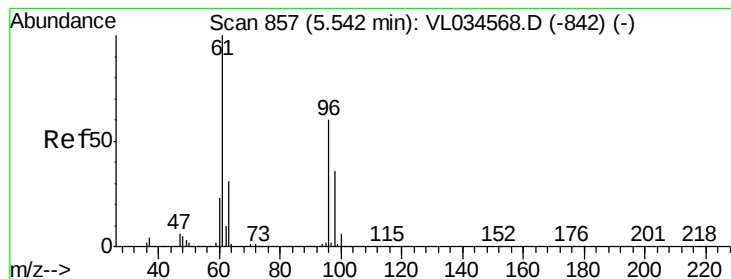
Ion Ratio Lower Upper

84 100

56 136.7 110.5 165.7

41 89.9 71.9 107.9





#31

cis-1,2-Dichloroethene

Concen: 9.287 ppbv

RT: 5.57 min Scan# 866

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

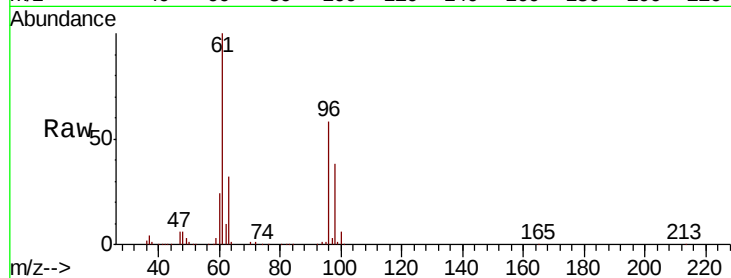
Tot Ion: 61 Resp: 1012139

Ion Ratio Lower Upper

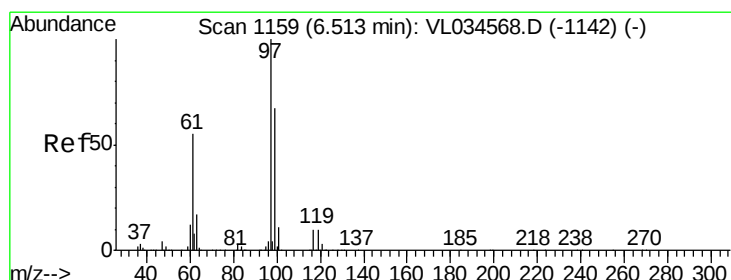
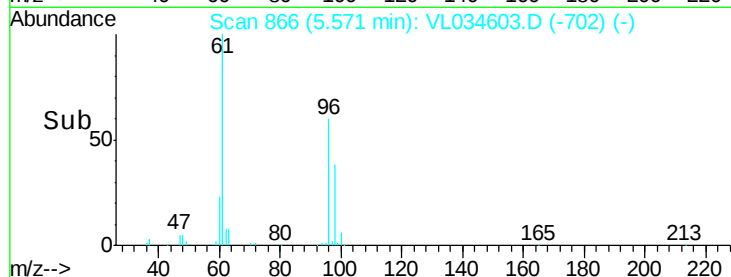
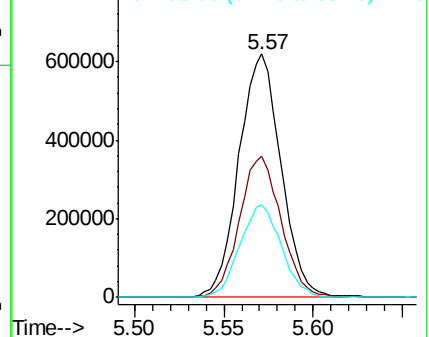
61 100

96 58.3 48.0 72.0

98 38.2 28.6 43.0



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



#32

1,1,1-Trichloroethane

Concen: 8.932 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

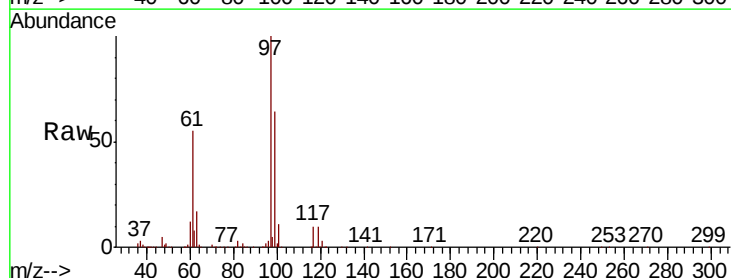
Tgt Ion: 97 Resp: 1778884

Ion Ratio Lower Upper

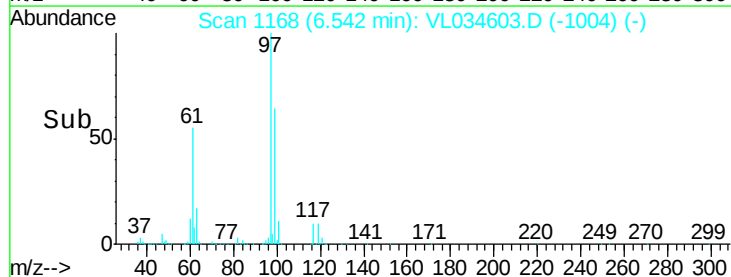
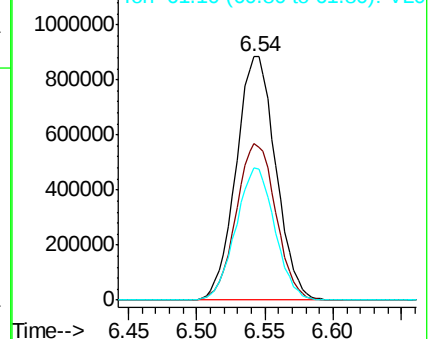
97 100

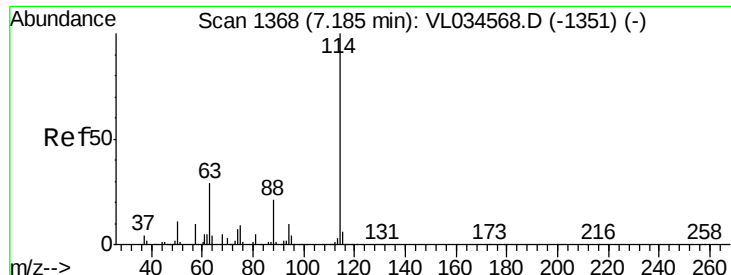
99 64.8 52.2 78.2

61 53.7 43.0 64.4



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

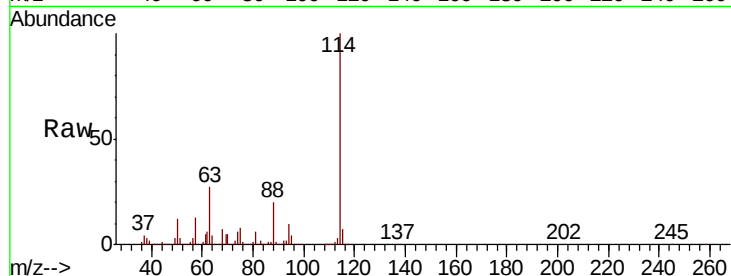




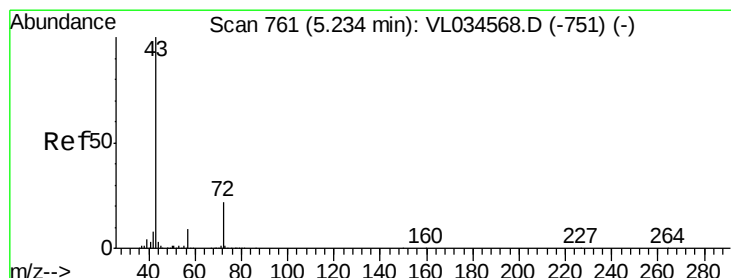
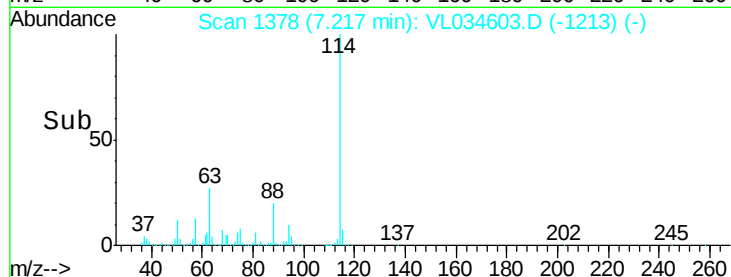
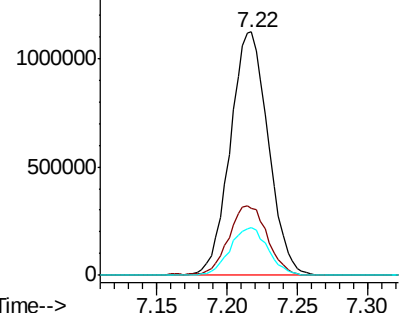
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Instrument :
 MSVOA_L
 ClientSampled :
 VL0206ABS01

Tot Ion:114 Resp: 2114389
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 19.7 15.9 23.9

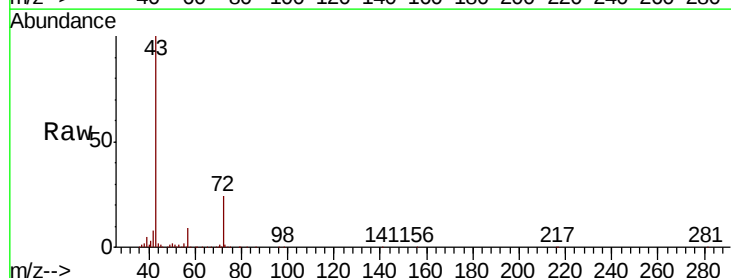


Abundance Ion 114.10 (113.80 to 114.80): VL0
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

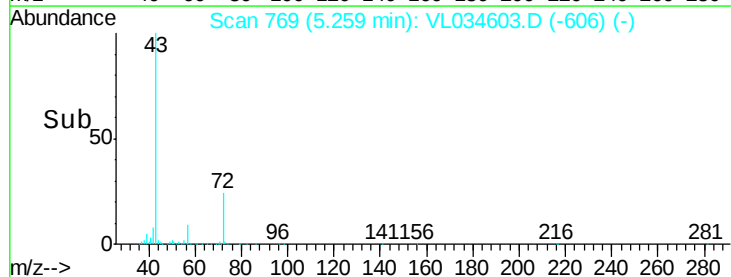
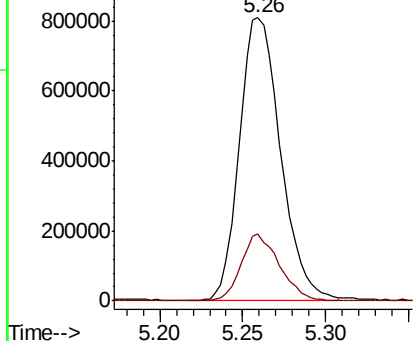


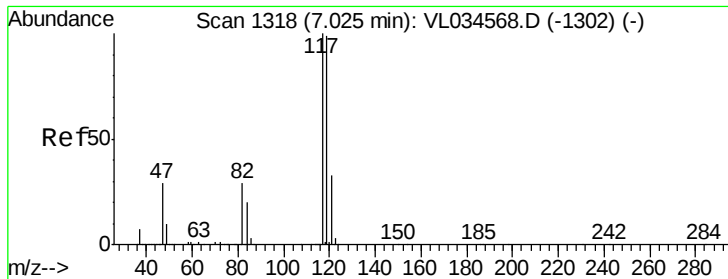
#34
 2-Butanone
 Concen: 9.084 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion: 43 Resp: 1394659
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 800000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.515 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

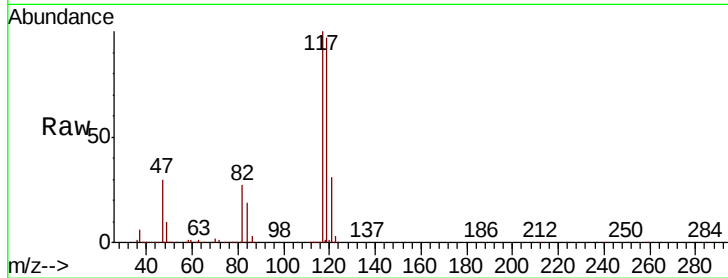
Tot Ion:117 Resp: 1923482

Ion Ratio Lower Upper

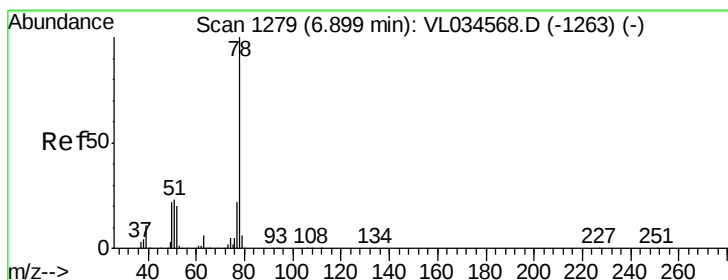
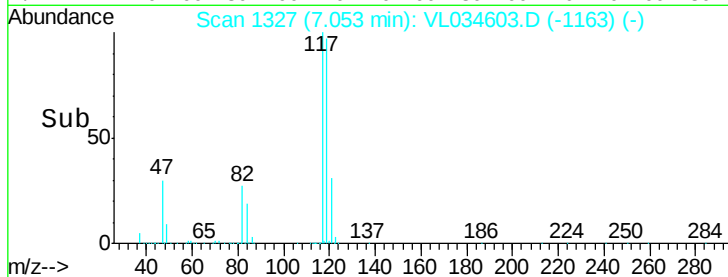
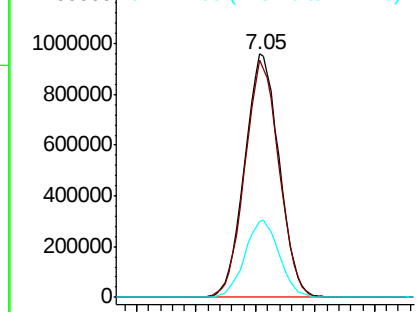
117 100

119 97.3 79.5 119.3

121 31.4 26.2 39.2



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: 9.493 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

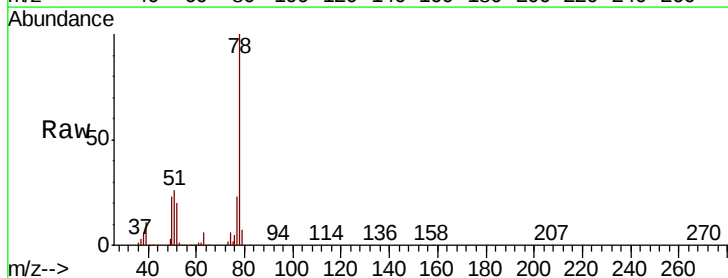
Tgt Ion: 78 Resp: 1785076

Ion Ratio Lower Upper

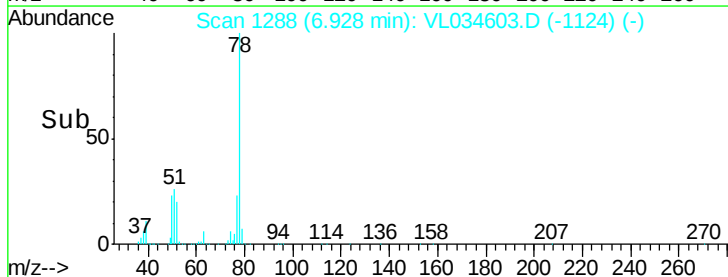
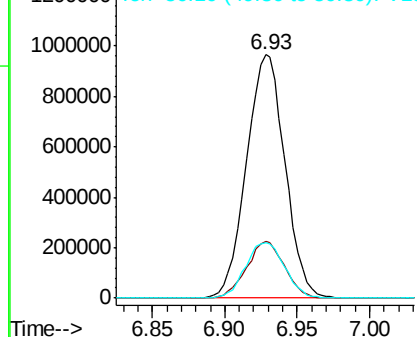
78 100

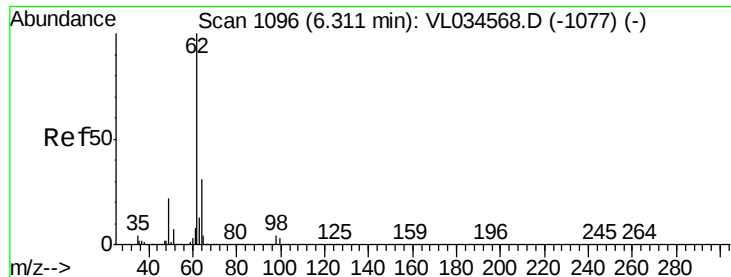
77 23.0 17.3 25.9

50 22.9 17.4 26.2



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: 9.385 ppbv

RT: 6.34 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

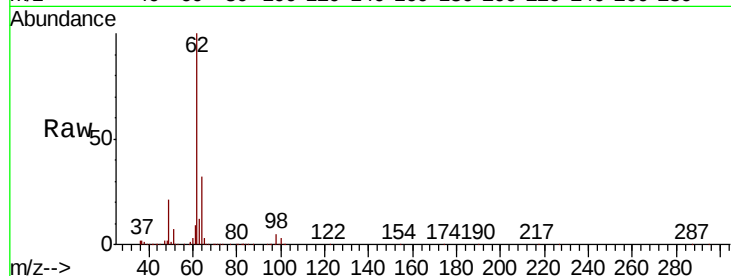
VL0206ABS01

Tot Ion: 62 Resp: 1472274

Ion Ratio Lower Upper

62 100

98 4.5 3.7 5.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.34

800000

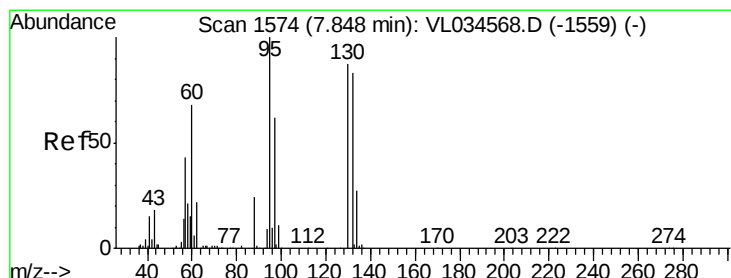
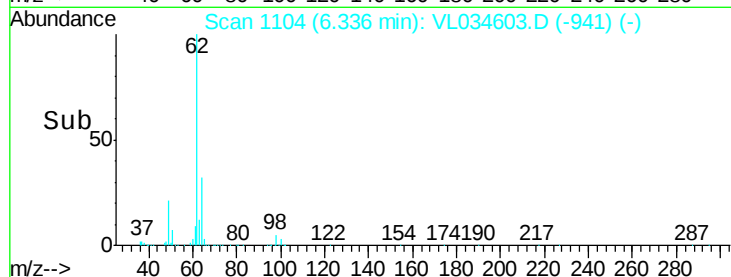
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.688 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Tgt Ion: 130 Resp: 767895

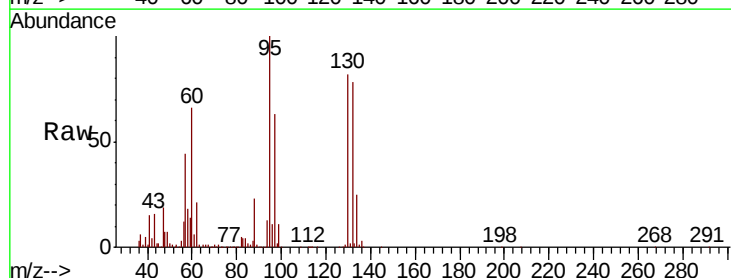
Ion Ratio Lower Upper

130 100

95 122.9 91.6 137.4

132 96.2 76.1 114.1

97 78.0 56.6 84.8



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

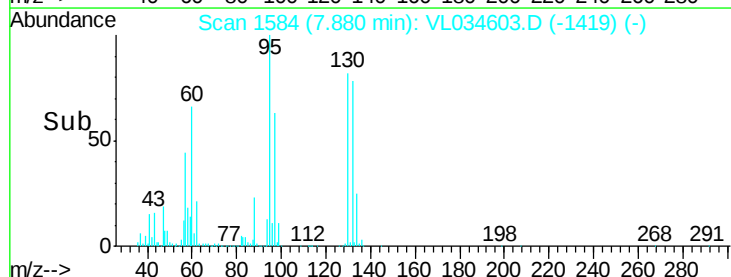
600000

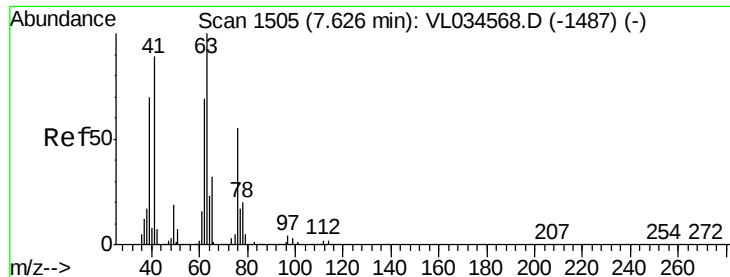
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.460 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

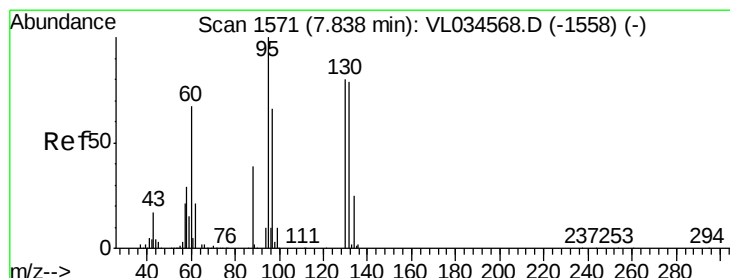
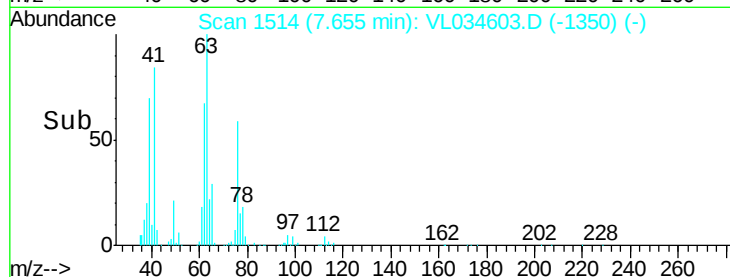
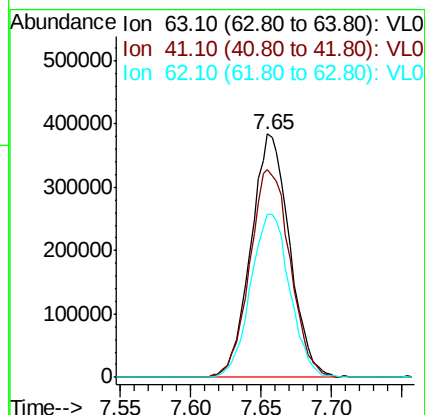
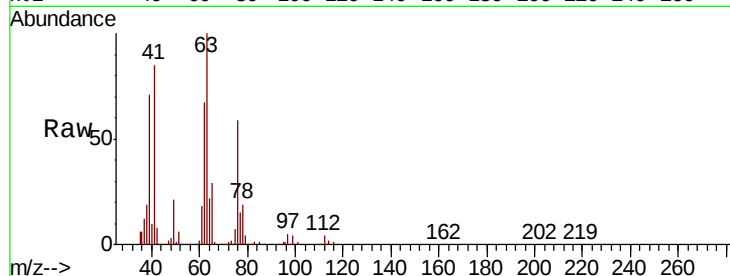
Tot Ion: 63 Resp: 737362

Ion Ratio Lower Upper

63 100

41 85.2 71.0 106.4

62 66.9 55.4 83.0



#40

1,4-Dioxane

Concen: 9.227 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Tgt Ion: 88 Resp: 276487

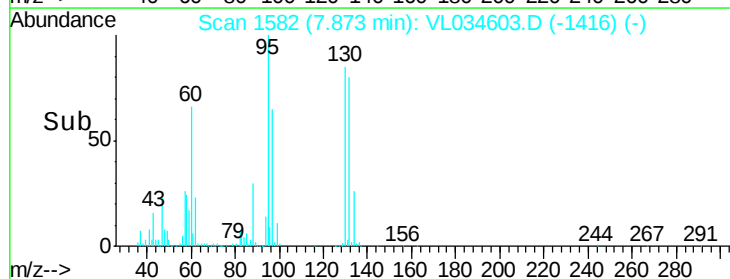
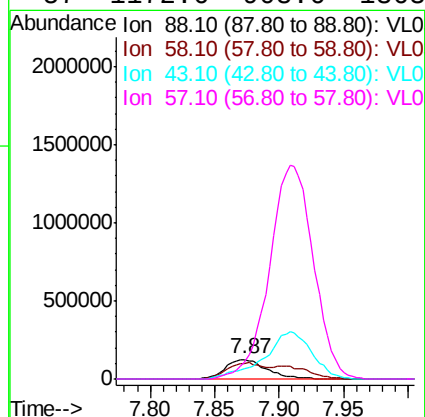
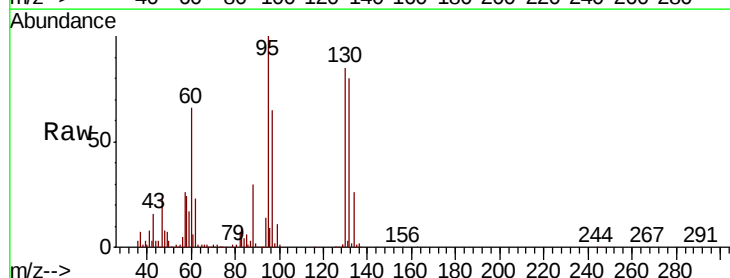
Ion Ratio Lower Upper

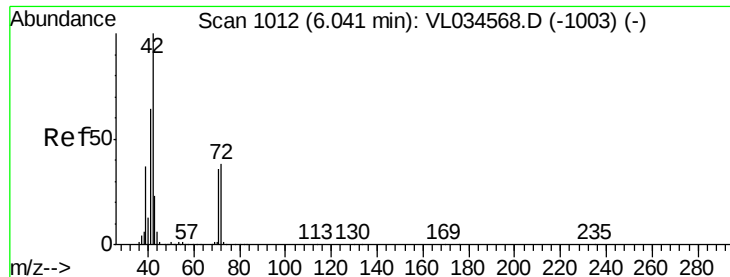
88 100

58 133.0 107.8 161.8

43 280.0 220.9 331.3

57 1172.6 908.6 1363.0

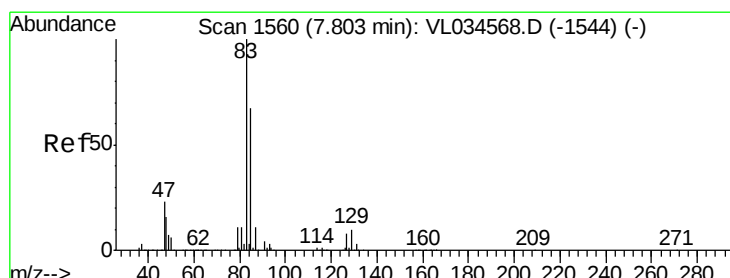
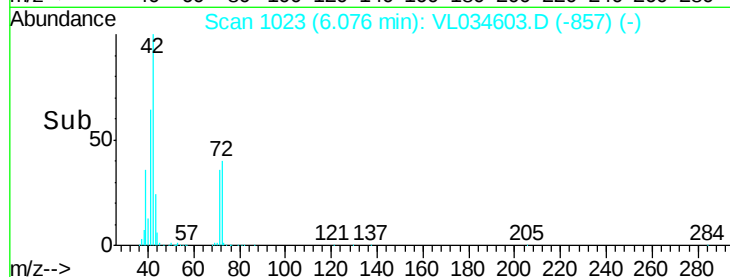
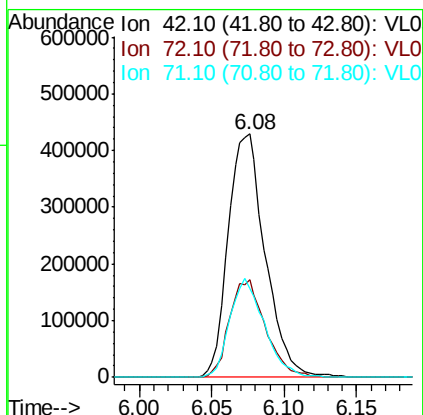
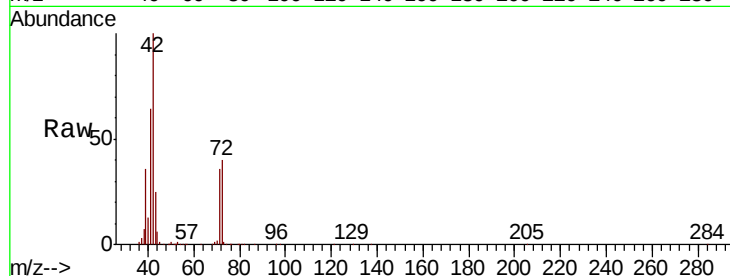




#41
Tetrahydrofuran
Concen: 9.506 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

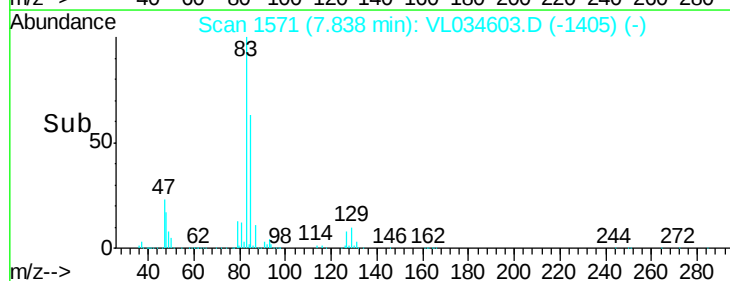
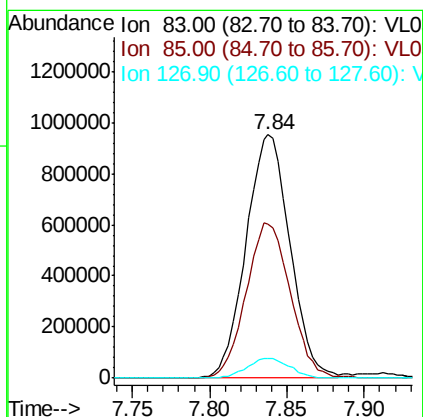
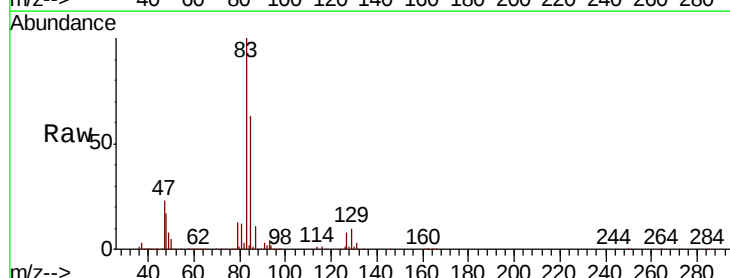
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

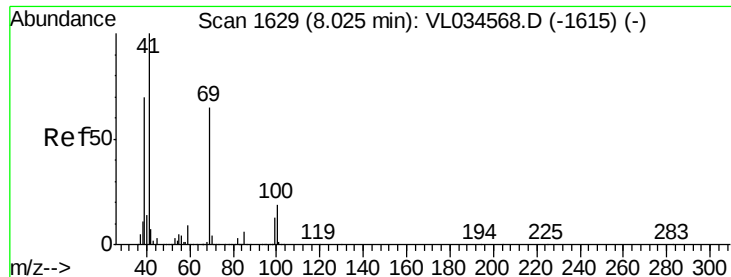
Tot Ion: 42 Resp: 761310
Ion Ratio Lower Upper
42 100
72 39.1 31.8 47.8
71 38.1 30.2 45.4



#42
Bromodichloromethane
Concen: 9.753 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion: 83 Resp: 1883210
Ion Ratio Lower Upper
83 100
85 63.4 53.2 79.8
127 8.2 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.052 ppbv

RT: 8.05 min Scan# 1638

Delta R.T. 0.03 min

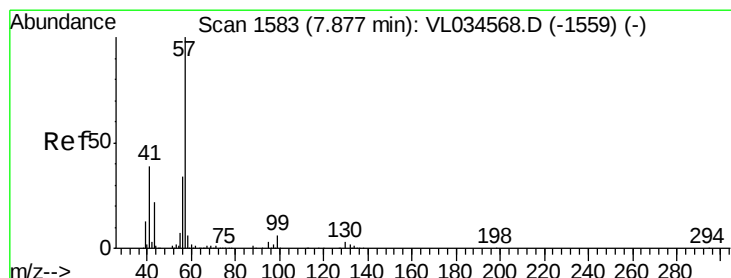
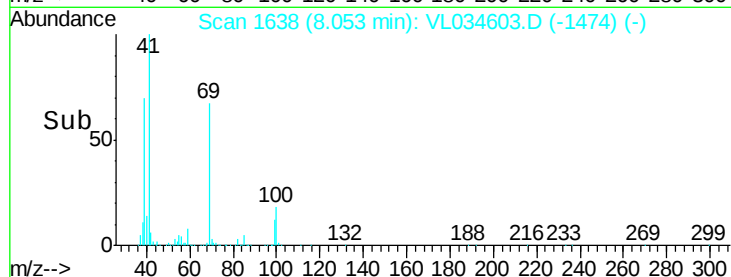
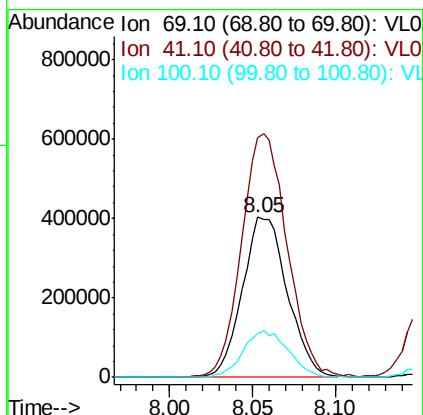
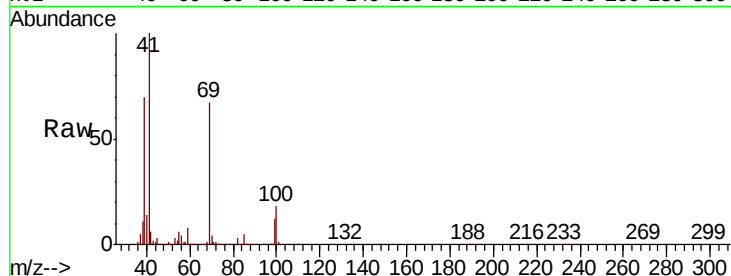
Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

Tot Ion: 69 Resp: 760236

Ion	Ratio	Lower	Upper
69	100		
41	154.2	123.9	185.9
100	29.5	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 9.485 ppbv

RT: 7.91 min Scan# 1593

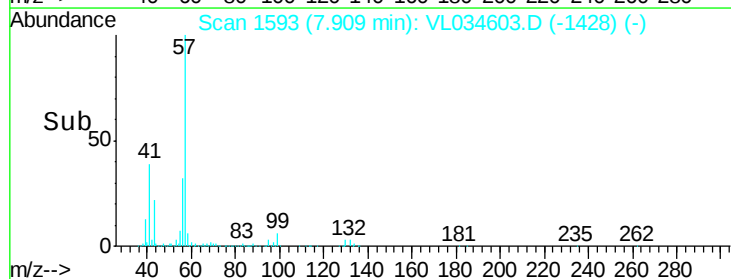
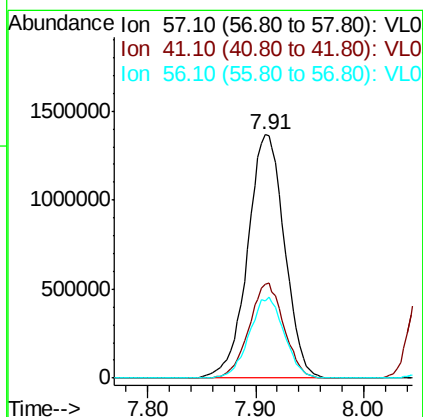
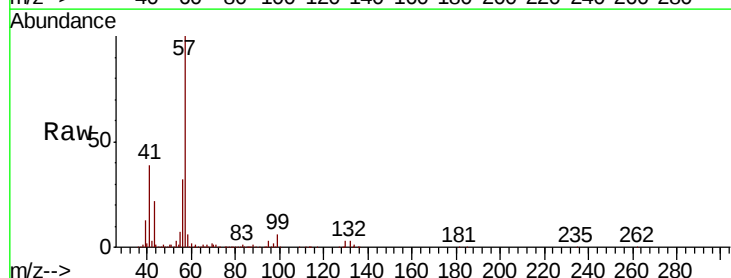
Delta R.T. 0.03 min

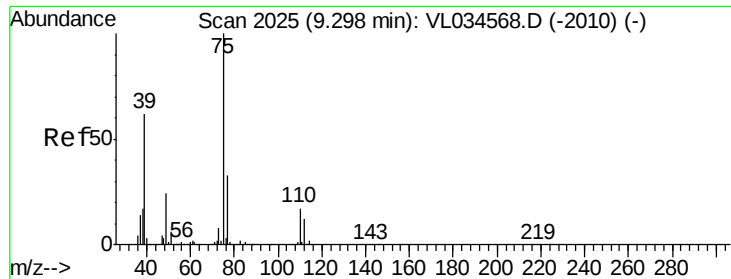
Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Tgt Ion: 57 Resp: 3235974

Ion	Ratio	Lower	Upper
57	100		
41	37.0	28.9	43.3
56	31.5	25.5	38.3

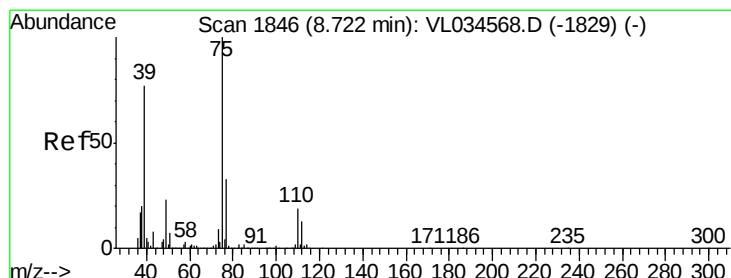
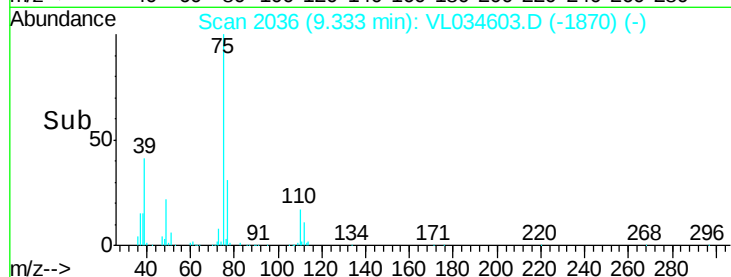
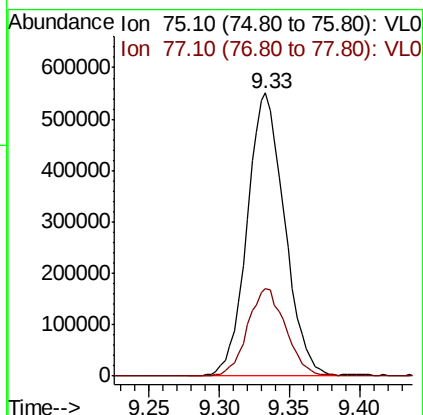
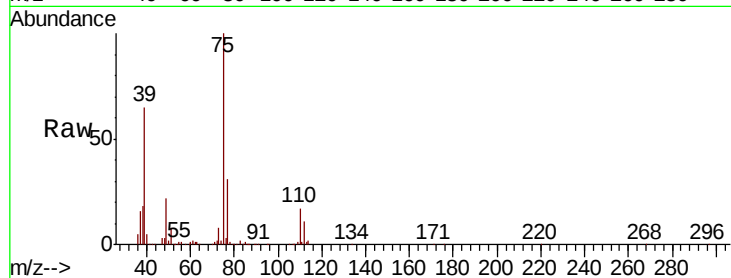




#45
 t-1,3-Dichloropropene
 Concen: 10.327 ppbv
 RT: 9.33 min Scan# 2036
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

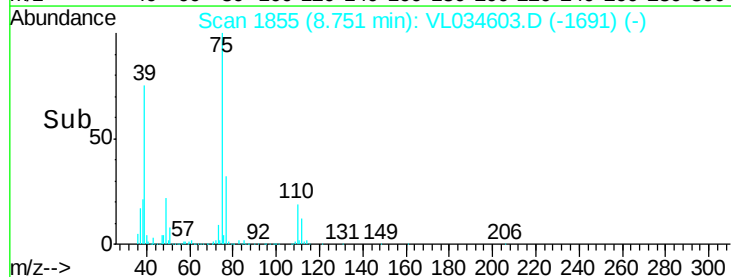
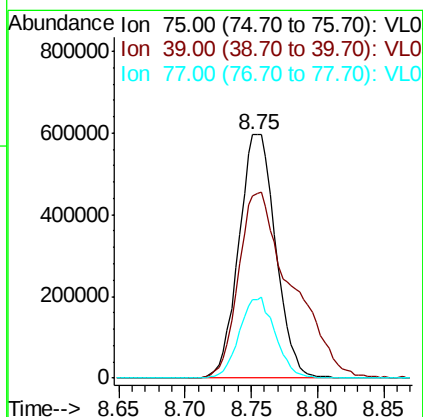
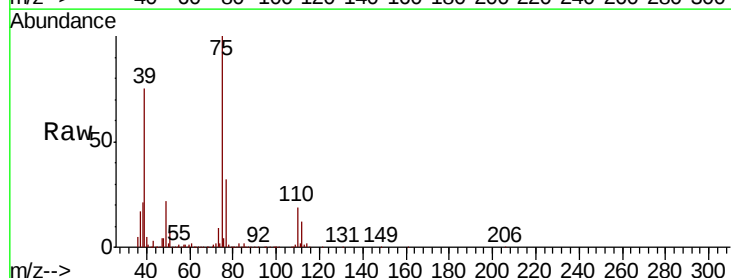
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

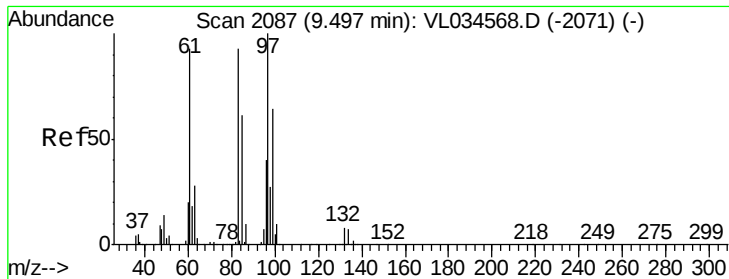
Tot Ion: 75 Resp: 1022662
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.7 40.1



#46
 cis-1,3-Dichloropropene
 Concen: 10.247 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion: 75 Resp: 1153346
 Ion Ratio Lower Upper
 75 100
 39 74.6 61.9 92.9
 77 32.3 26.1 39.1





#47

1,1,2-Trichloroethane

Concen: 9.632 ppbv

RT: 9.53 min Scan# 2097

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

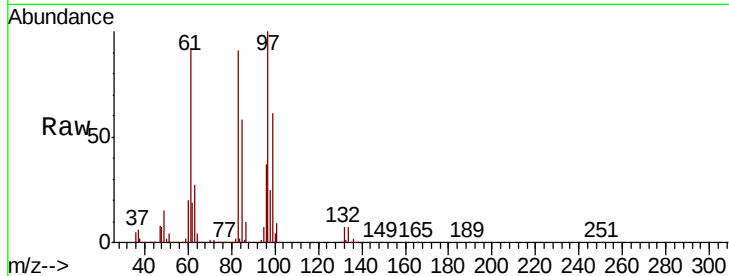
MSVOA_L

ClientSampleId :

VL0206ABS01

Tot Ion: 97 Resp: 813207

Ion	Ratio	Lower	Upper
97	100		
83	91.4	74.4	111.6
85	57.4	49.2	73.8
99	60.9	50.9	76.3

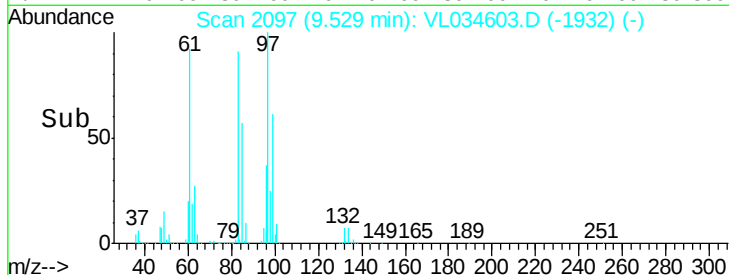


Abundance Ion 97.00 (96.70 to 97.70): VL0

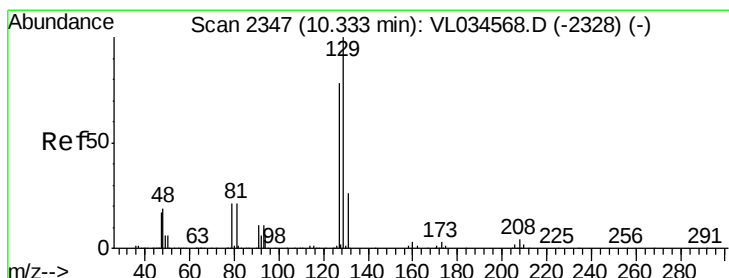
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time-->



#48

Dibromochloromethane

Concen: 10.232 ppbv

RT: 10.37 min Scan# 2357

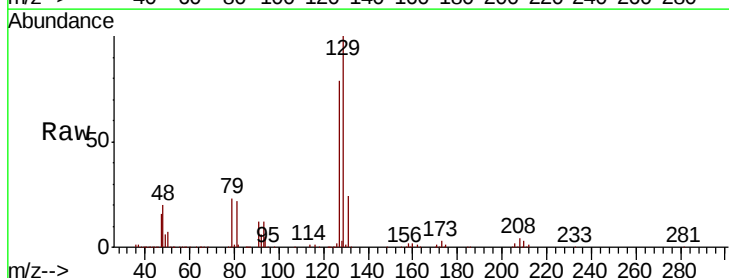
Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

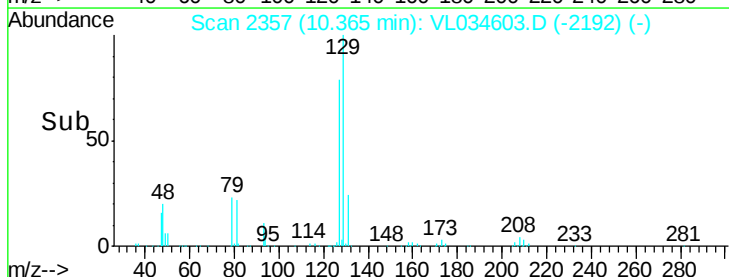
Tgt Ion: 129 Resp: 1582880

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2

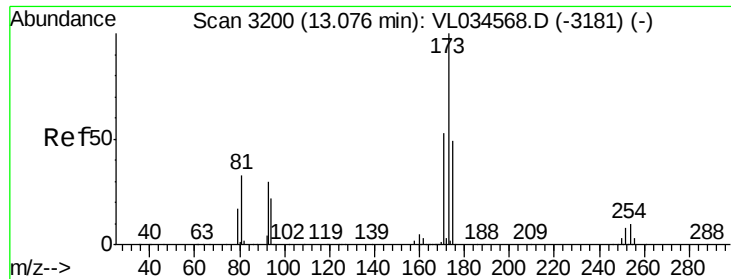


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#49

Bromoform

Concen: 10.401 ppbv

RT: 13.11 min Scan# 3212

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

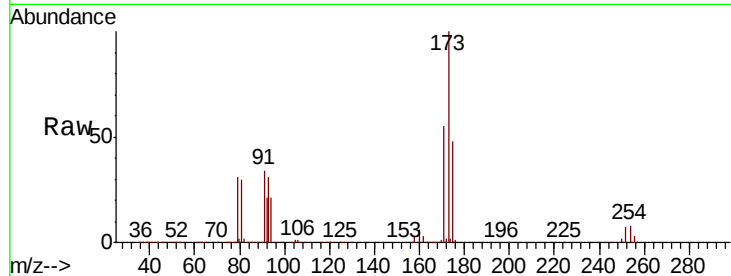
Tot Ion:173 Resp: 1412733

Ion Ratio Lower Upper

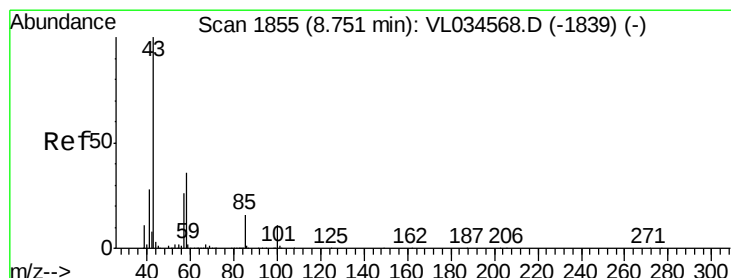
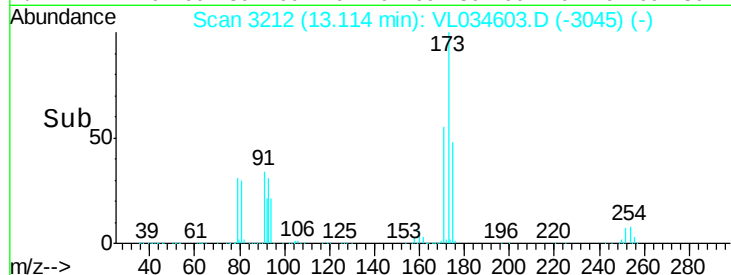
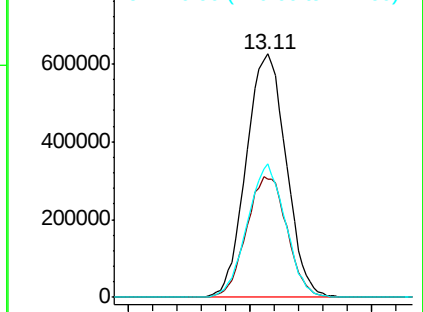
173 100

175 50.3 39.7 59.5

171 52.4 41.6 62.4



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: 9.691 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.04 min

Lab File: VL034603.D

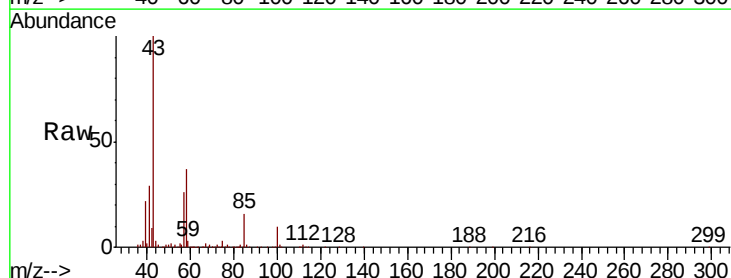
Acq: 6 Feb 2020 16:53

Tgt Ion: 43 Resp: 2121755

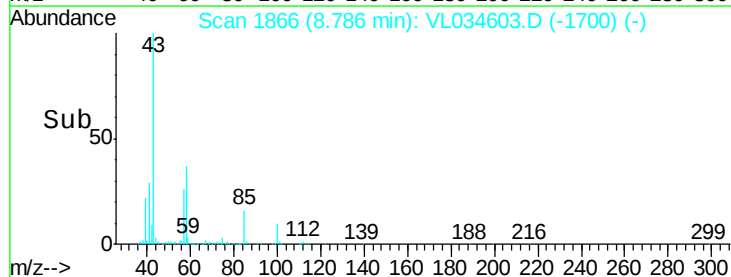
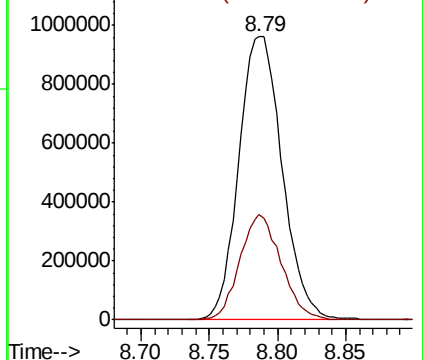
Ion Ratio Lower Upper

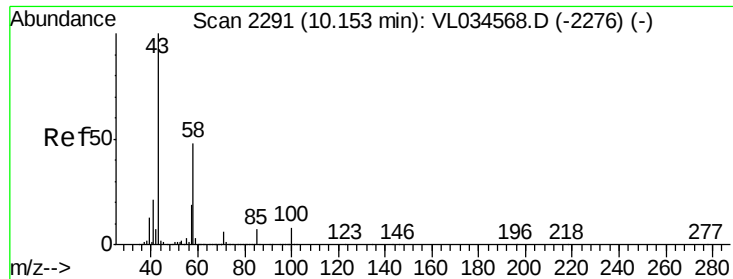
43 100

58 35.5 28.6 43.0



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

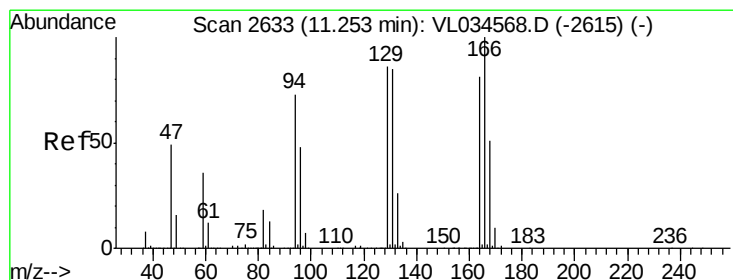
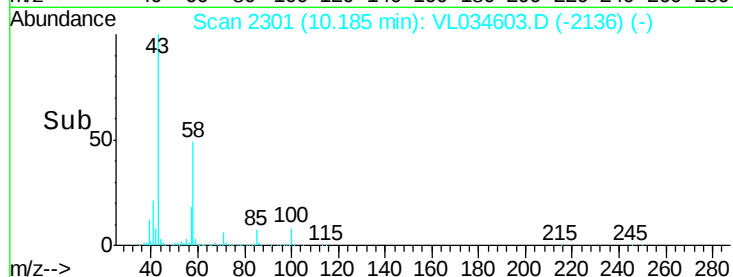
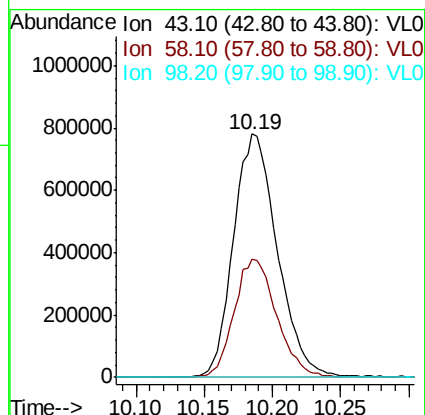
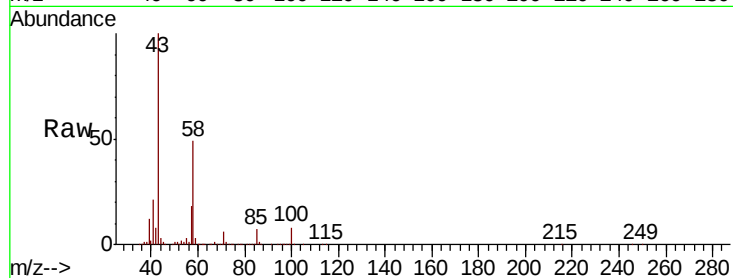




#51
2-Hexanone
Concen: 10.091 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

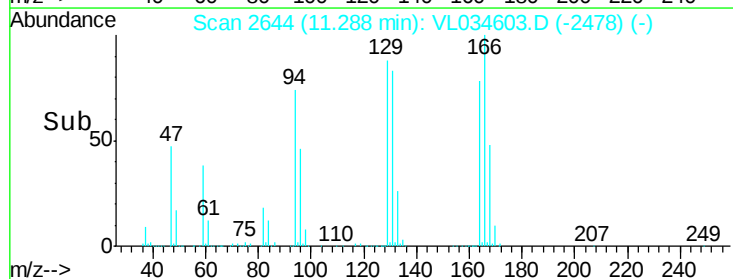
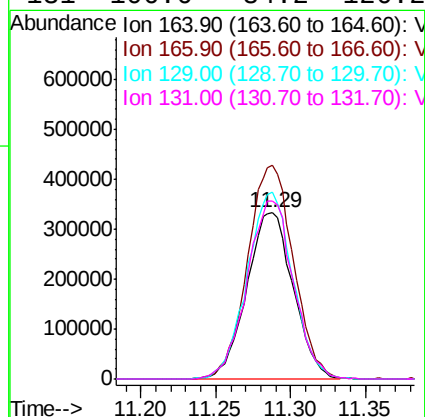
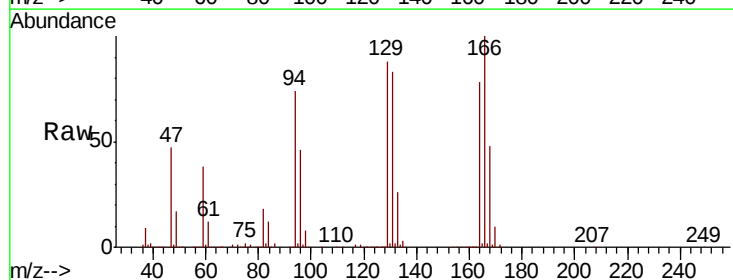
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

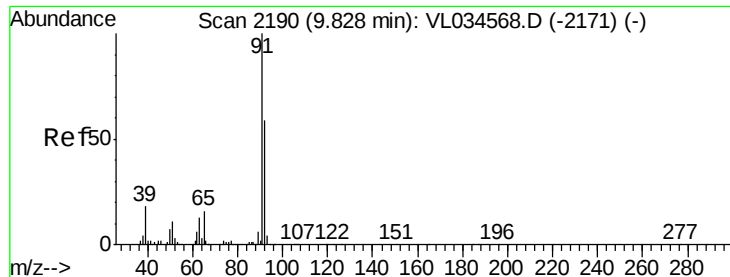
Tot Ion: 43 Resp: 1739210
Ion Ratio Lower Upper
43 100
58 47.1 37.9 56.9
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.477 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion: 164 Resp: 715831
Ion Ratio Lower Upper
164 100
166 128.3 99.0 148.4
129 112.3 85.3 127.9
131 106.6 84.2 126.2





#53

Toluene

Concen: 10.277 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

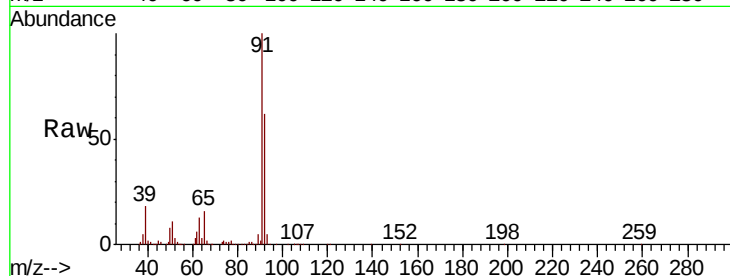
VL0206ABS01

Tot Ion: 91 Resp: 2122902

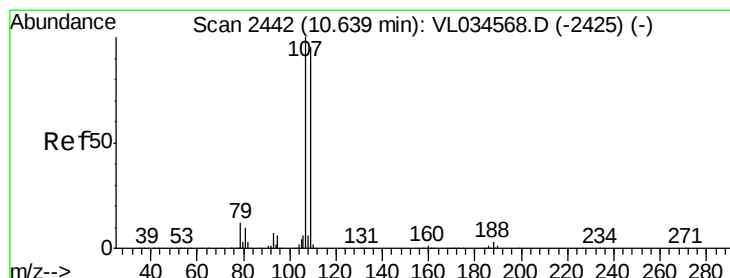
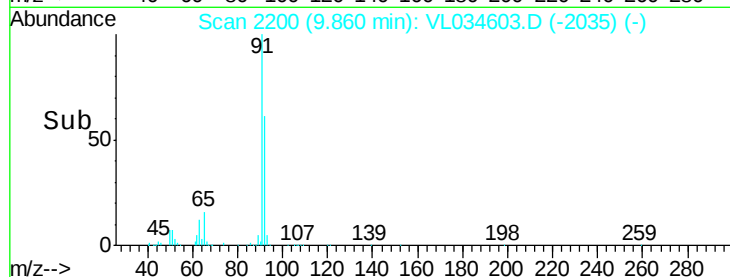
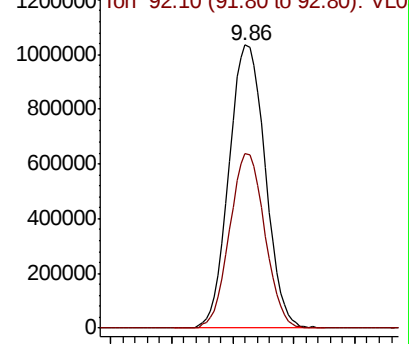
Ion Ratio Lower Upper

91 100

92 59.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 10.204 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.04 min

Lab File: VL034603.D

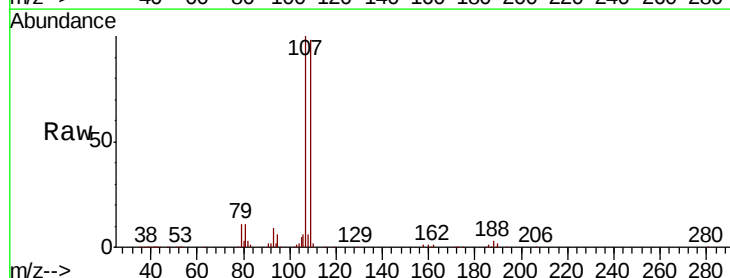
Acq: 6 Feb 2020 16:53

Tgt Ion: 107 Resp: 1290930

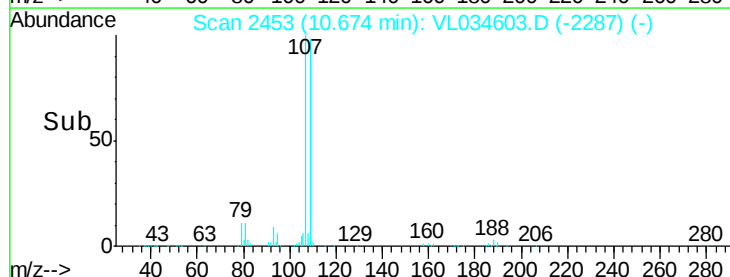
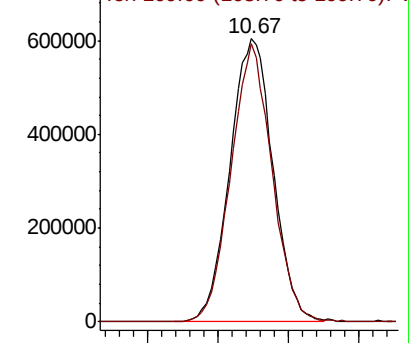
Ion Ratio Lower Upper

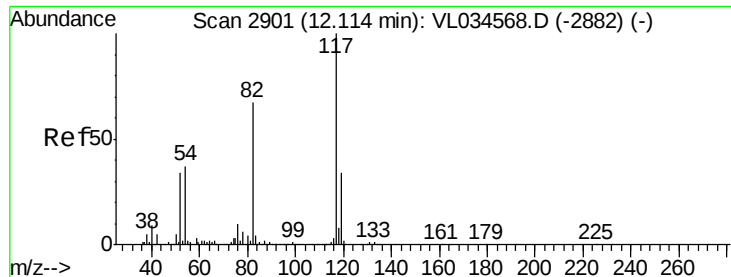
107 100

109 98.1 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

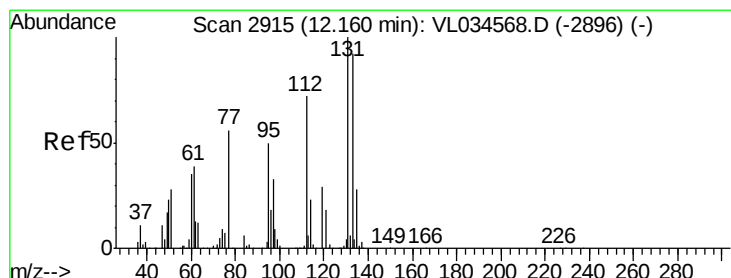
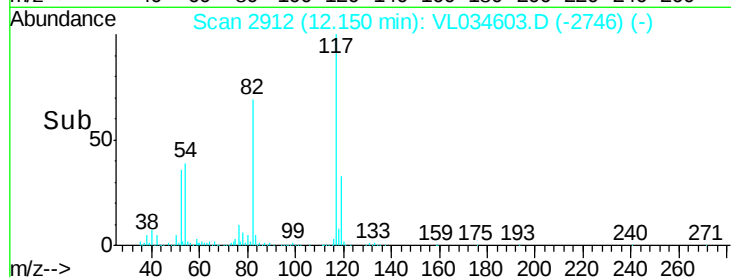
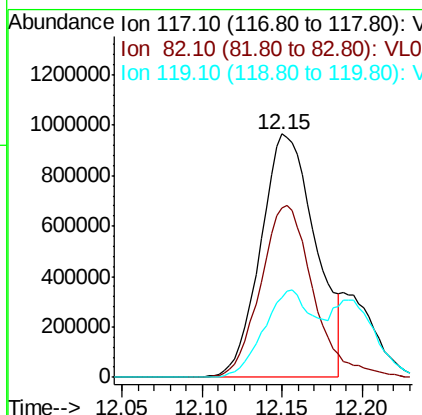
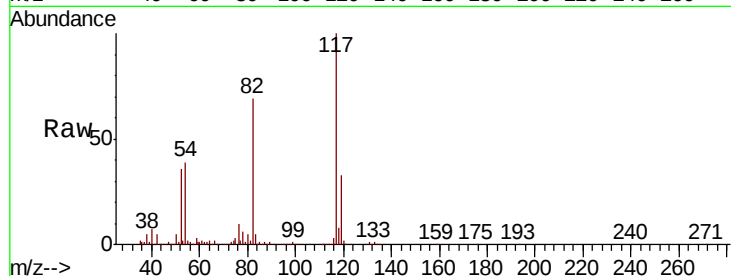




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

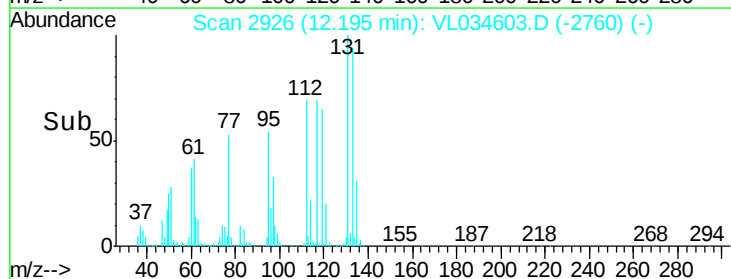
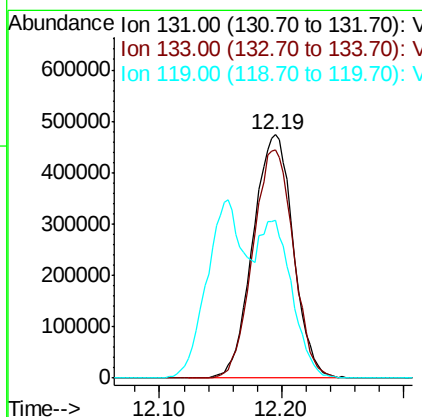
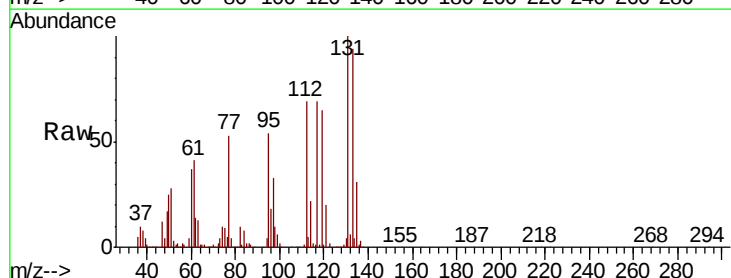
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABS01

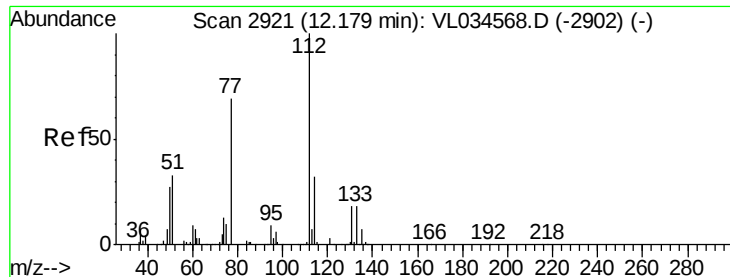
Tot Ion:117 Resp: 2299398
Ion Ratio Lower Upper
117 100
82 68.0 54.2 81.4
119 34.6 26.1 39.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.542 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Tgt Ion:131 Resp: 1083178
Ion Ratio Lower Upper
131 100
133 94.5 75.8 113.8
119 55.9 47.0 70.6





#57

Chlorobenzene

Concen: 9.002 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

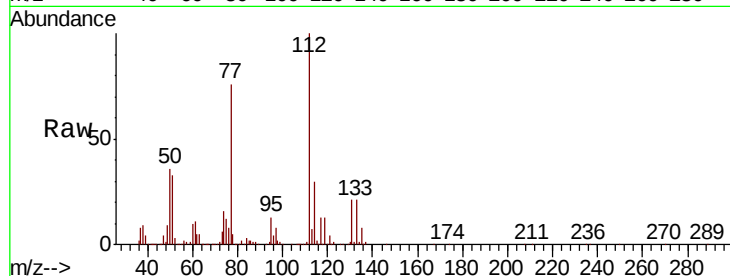
Tot Ion:112 Resp: 1703206

Ion Ratio Lower Upper

112 100

77 75.4 56.5 84.7

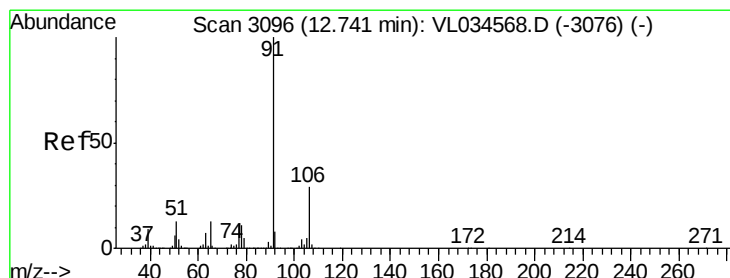
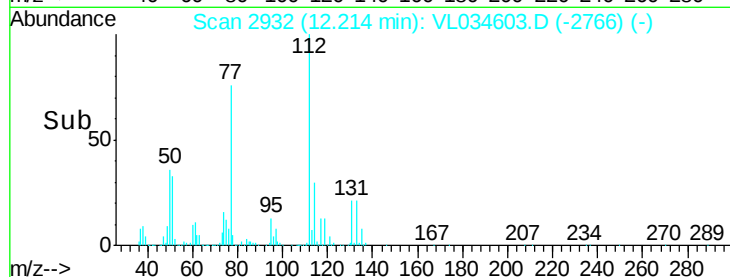
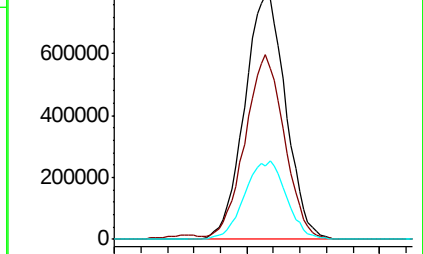
114 30.0 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.713 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. 0.04 min

Lab File: VL034603.D

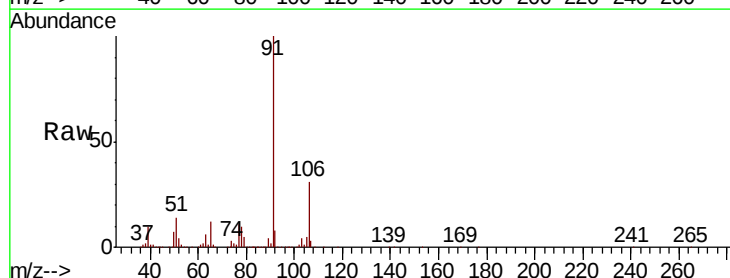
Acq: 6 Feb 2020 16:53

Tgt Ion: 91 Resp: 2988511

Ion Ratio Lower Upper

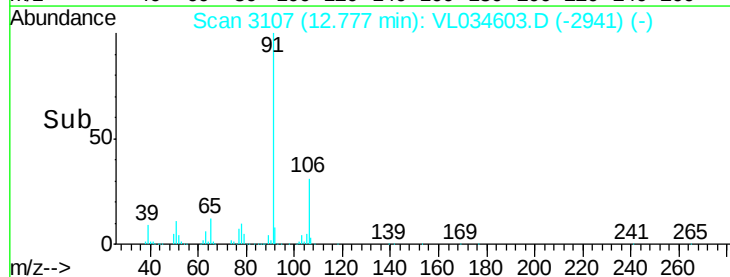
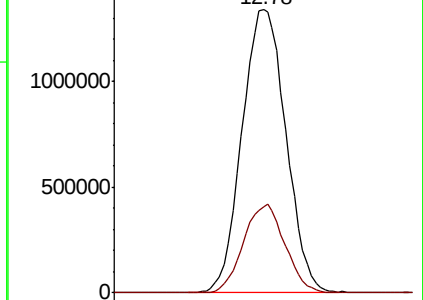
91 100

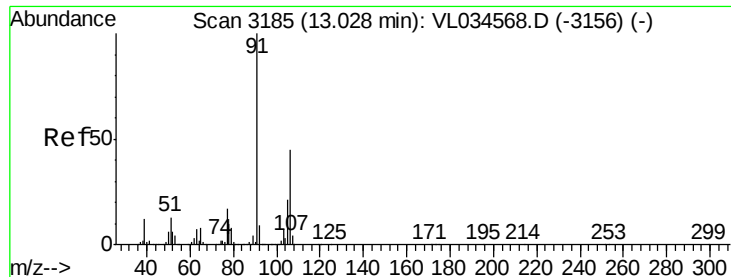
106 30.7 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 18.913 ppbv m

RT: 13.07 min Scan# 3197

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

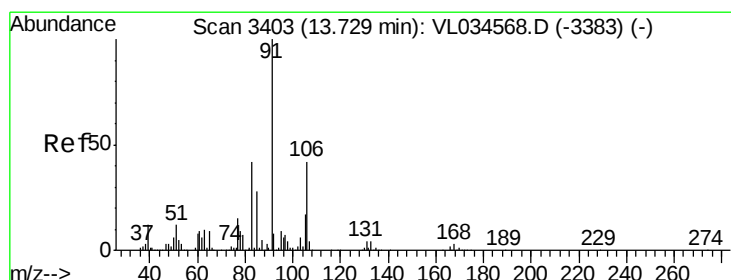
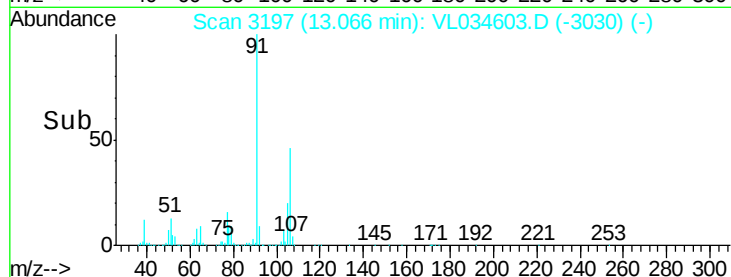
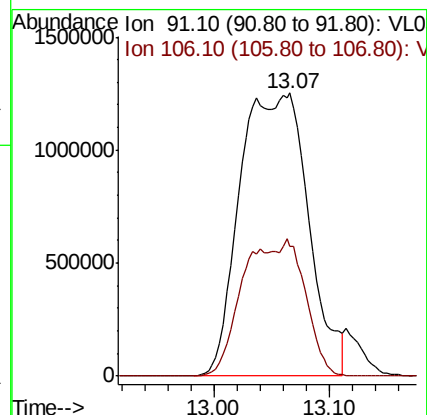
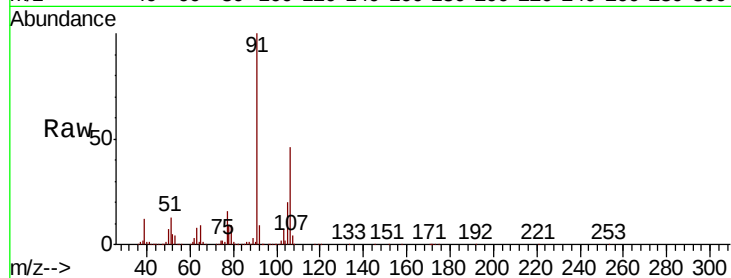
VL0206ABS01

Tot Ion: 91 Resp: 5144212

Ion Ratio Lower Upper

91 100

106 43.9 35.3 52.9



#60

o-Xylene

Concen: 9.516 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. 0.04 min

Lab File: VL034603.D

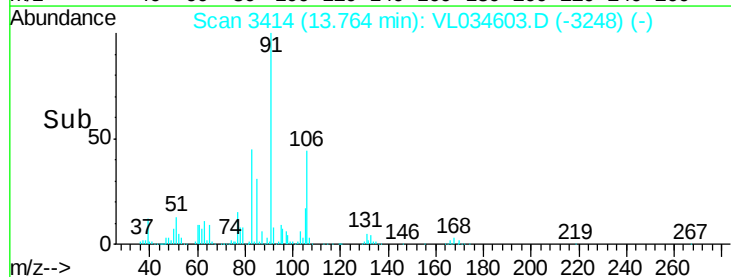
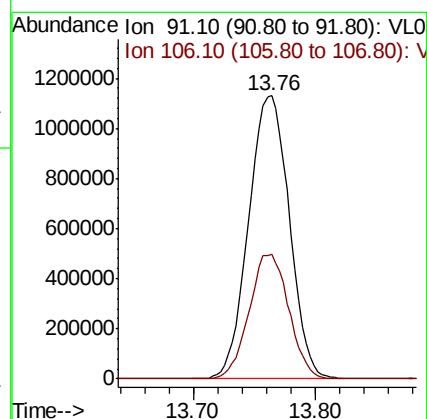
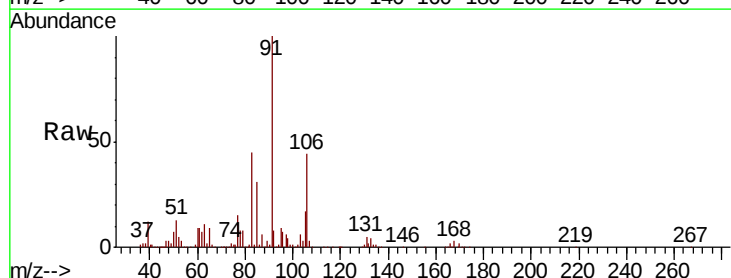
Acq: 6 Feb 2020 16:53

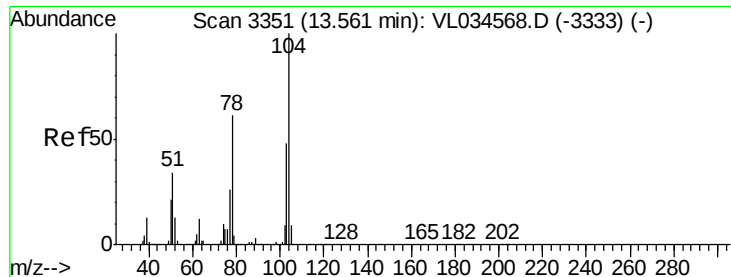
Tgt Ion: 91 Resp: 2599346

Ion Ratio Lower Upper

91 100

106 42.9 21.6 65.0





#61

Stvrene

Concen: 9.789 ppbv

RT: 13.60 min Scan# 3362

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

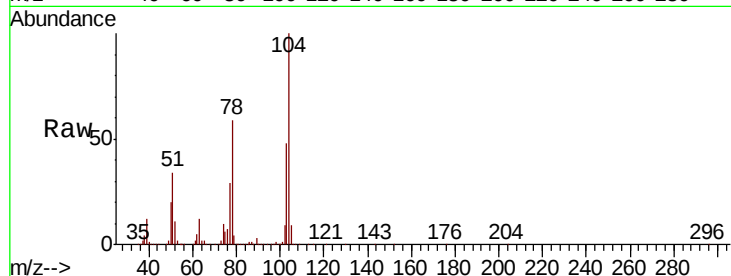
Tot Ion:104 Resp: 1782923

Ion Ratio Lower Upper

104 100

78 60.9 47.0 70.6

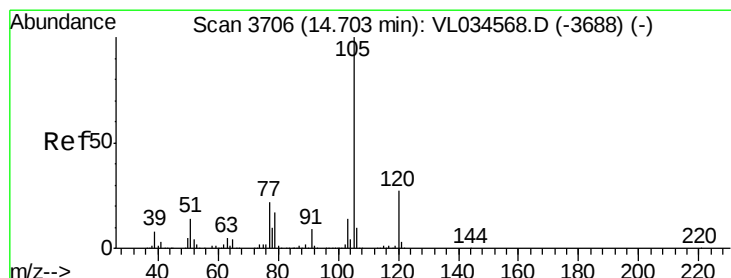
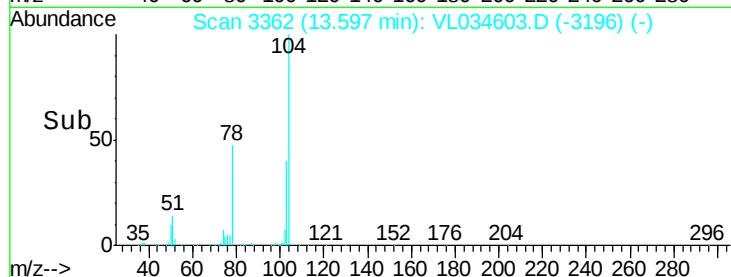
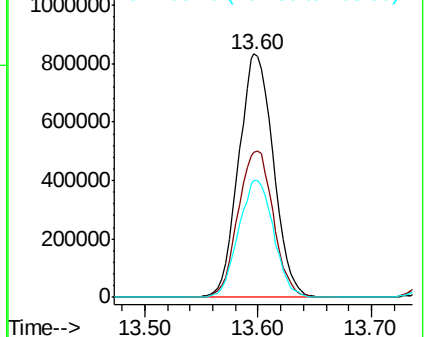
103 48.6 38.5 57.7



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: 9.667 ppbv

RT: 14.74 min Scan# 3717

Delta R.T. 0.04 min

Lab File: VL034603.D

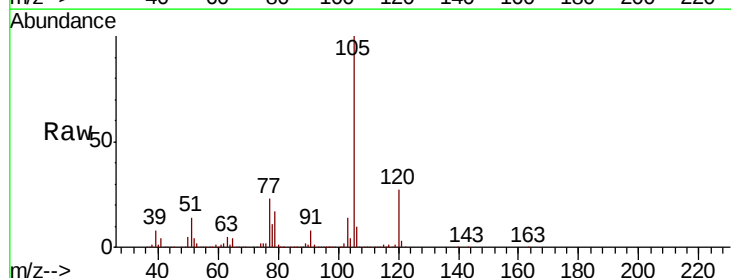
Acq: 6 Feb 2020 16:53

Tgt Ion:105 Resp: 3421834

Ion Ratio Lower Upper

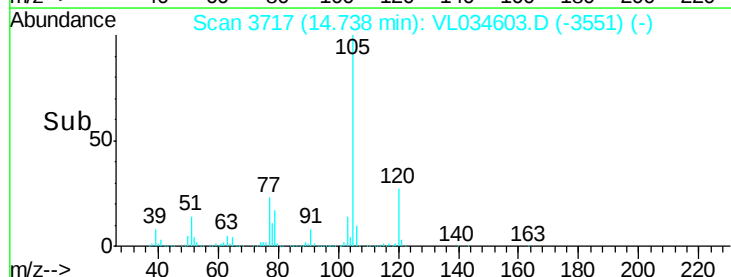
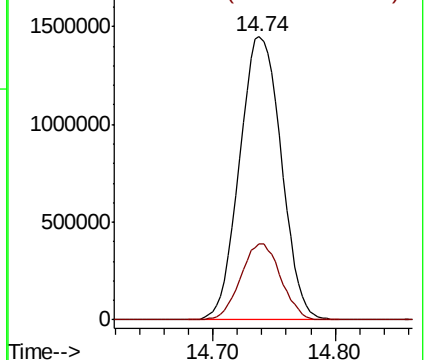
105 100

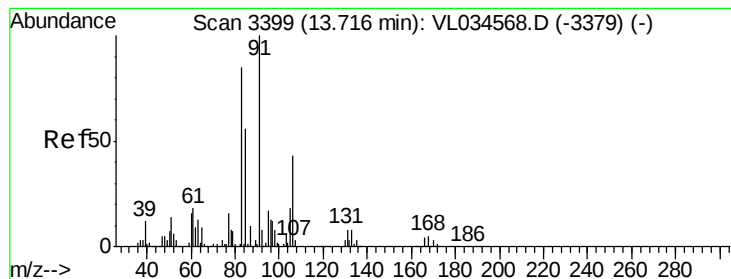
120 25.8 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.881 ppbv

RT: 13.75 min Scan# 3410

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

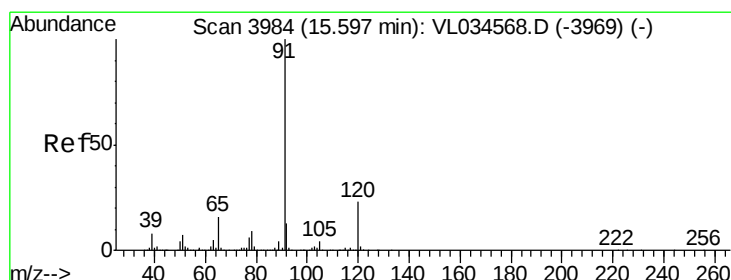
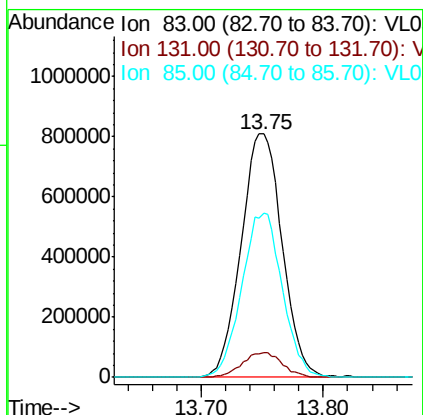
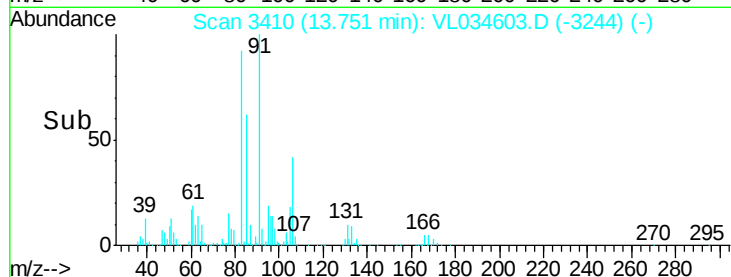
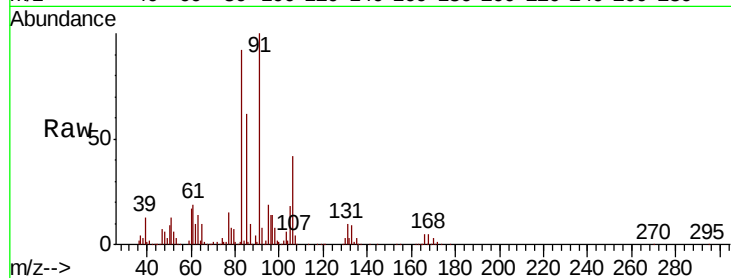
Tot Ion: 83 Resp: 1876232

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

85 67.0 32.6 98.0



#64

n-propylbenzene

Concen: 9.765 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. 0.04 min

Lab File: VL034603.D

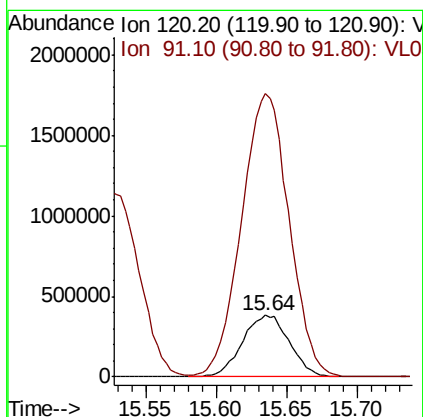
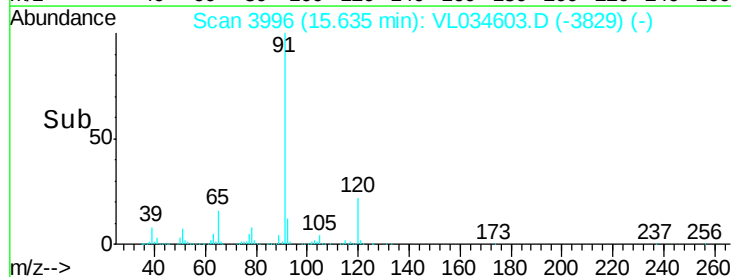
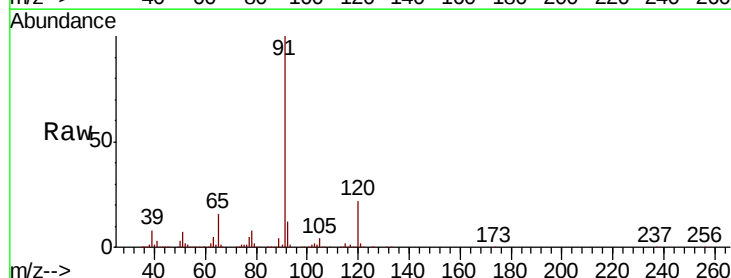
Acq: 6 Feb 2020 16:53

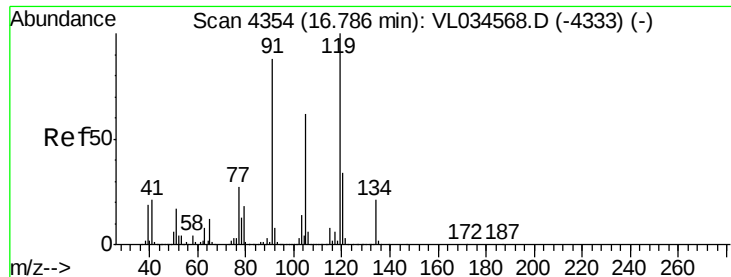
Tgt Ion: 120 Resp: 889294

Ion Ratio Lower Upper

120 100

91 467.9 365.3 547.9





#65

tert-Butylbenzene

Concen: 9.907 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

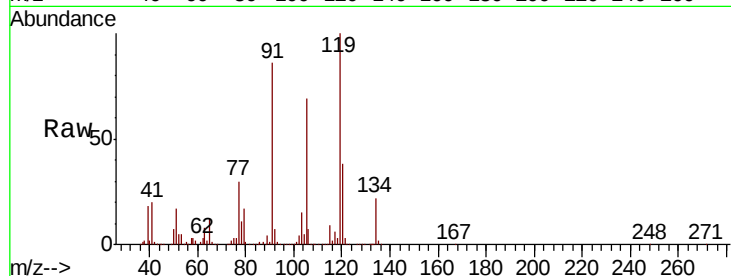
Tot Ion:119 Resp: 3177284

Ion Ratio Lower Upper

119 100

91 90.6 72.2 108.4

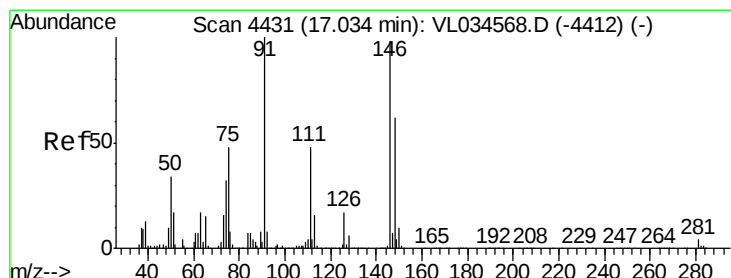
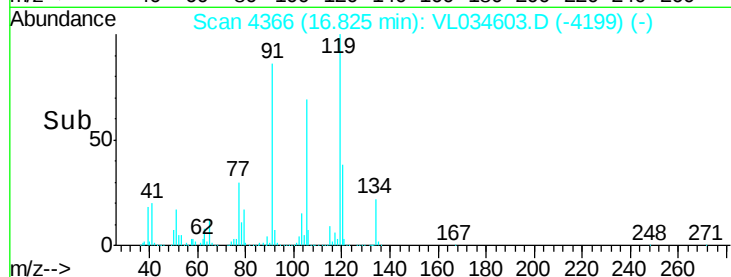
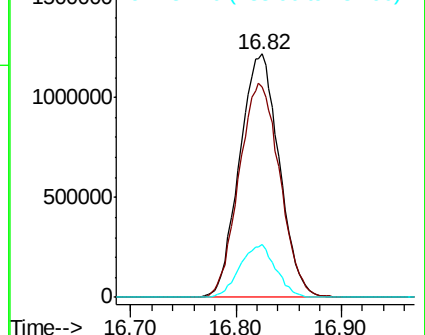
134 19.7 15.9 23.9



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: 11.105 ppbv

RT: 17.07 min Scan# 4441

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

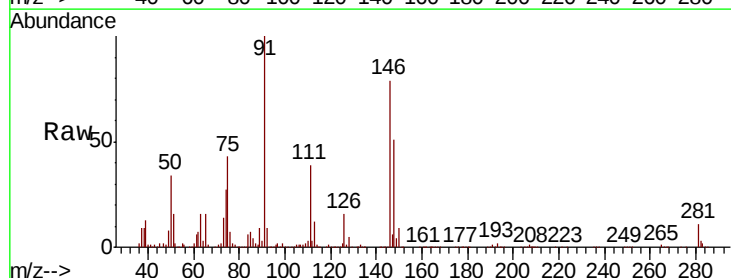
Tgt Ion: 91 Resp: 1493322

Ion Ratio Lower Upper

91 100

126 16.7 13.4 20.0

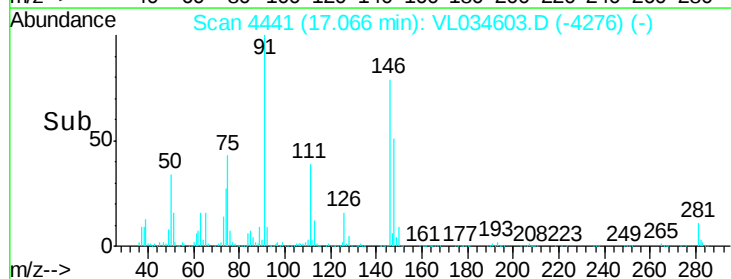
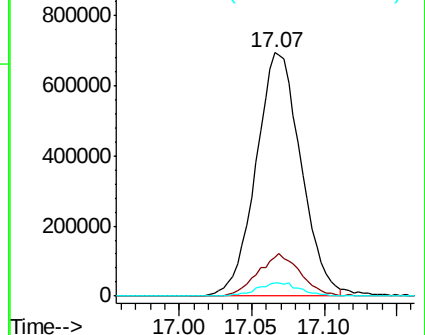
128 5.3 4.3 6.5

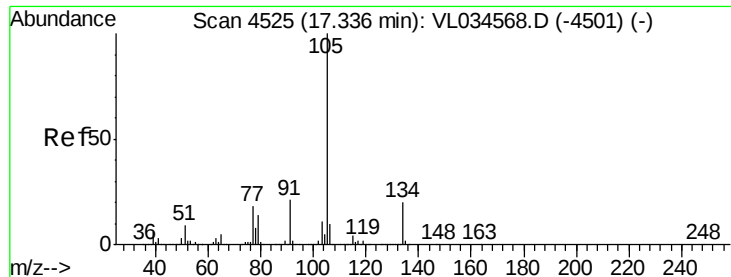


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.801 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

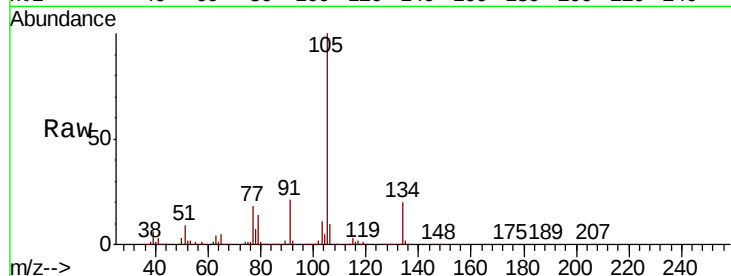
VL0206ABS01

Tot Ion:105 Resp: 4319494

Ion Ratio Lower Upper

105 100

134 19.1 15.5 23.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.37

1500000

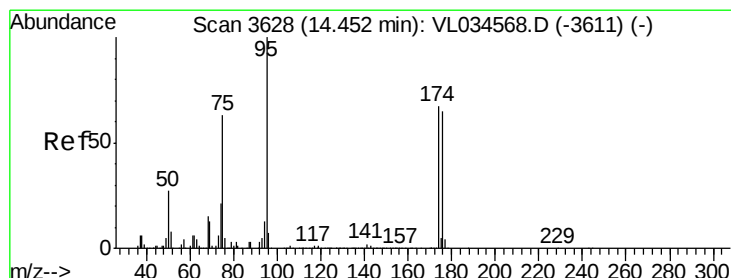
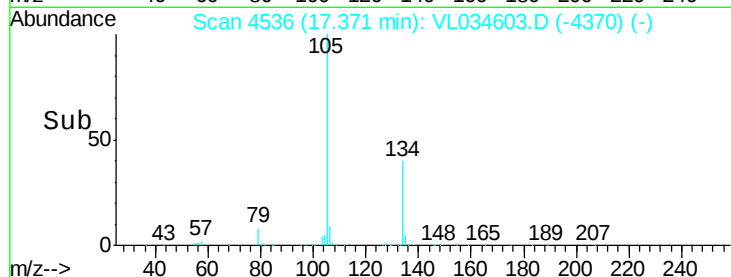
1000000

500000

0

Time-->

17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.762 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

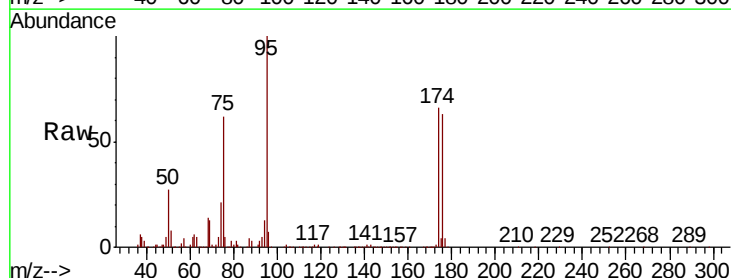
Tgt Ion: 95 Resp: 1896986

Ion Ratio Lower Upper

95 100

174 64.7 52.3 78.5

175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

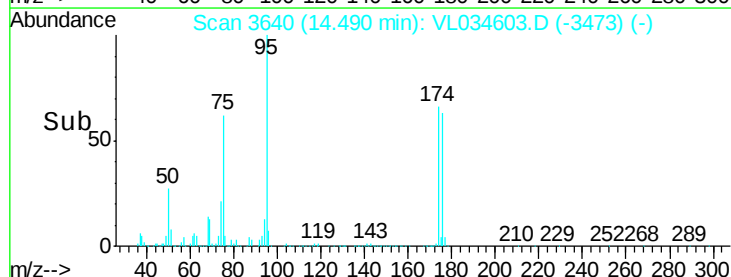
400000

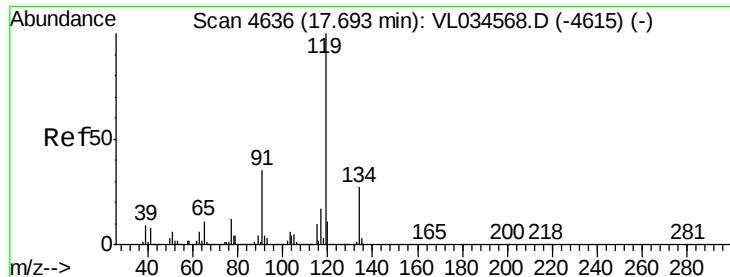
200000

0

Time-->

14.40 14.45 14.50 14.55

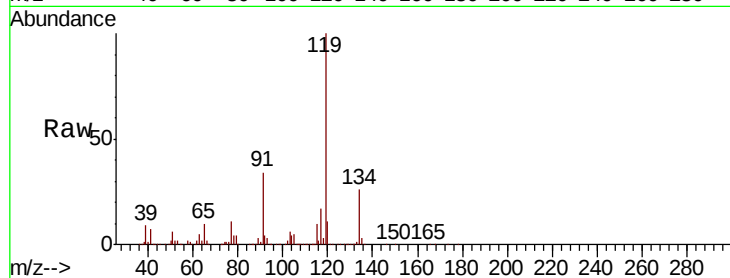




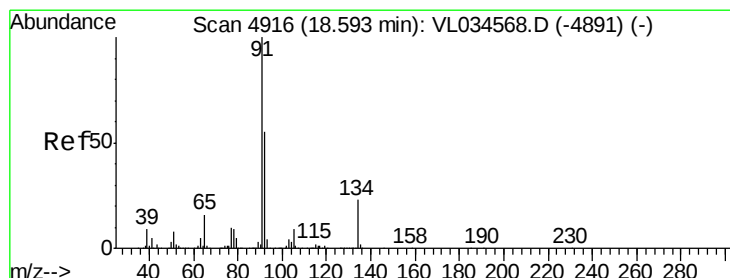
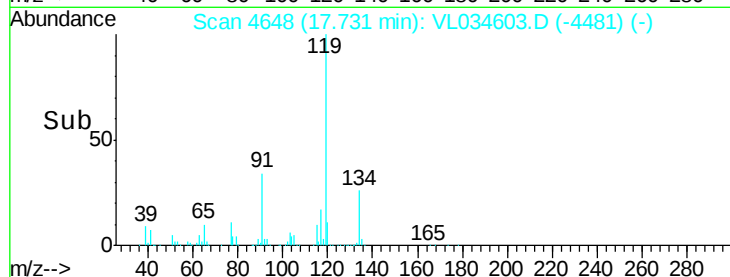
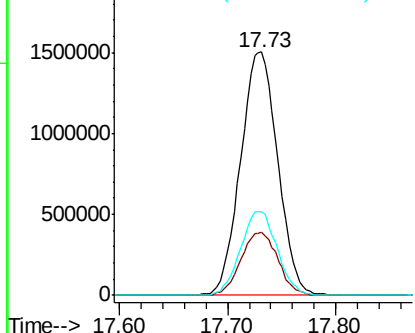
#69
 p-Isopropyltoluene
 Concen: 10.073 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

Tot Ion:119 Resp: 3604893
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.7 31.1
 91 34.0 26.9 40.3

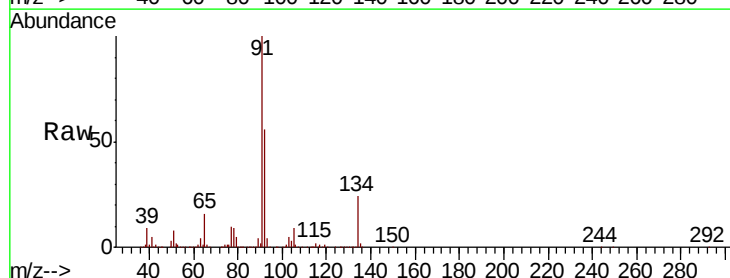


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

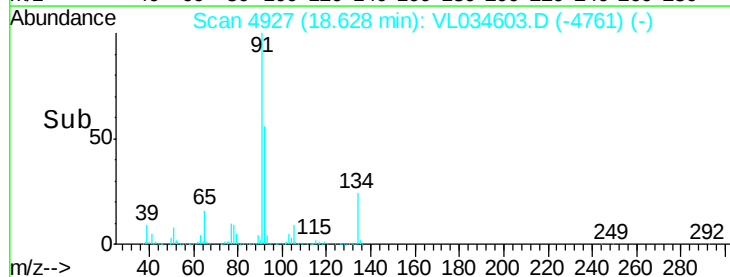
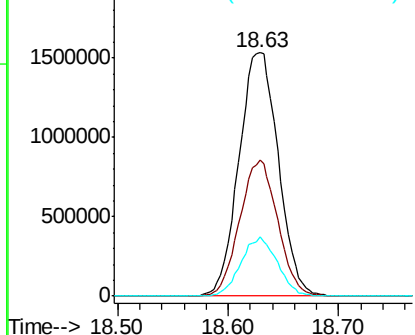


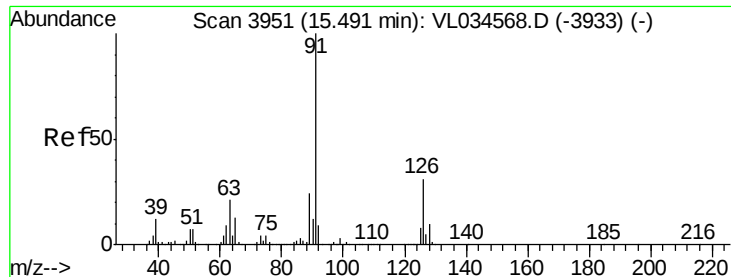
#70
 n-Butylbenzene
 Concen: 9.973 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion: 91 Resp: 3788547
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.6 65.4
 134 22.5 18.2 27.4



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: 9.874 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

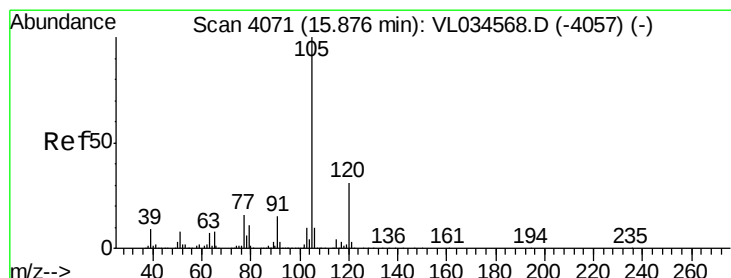
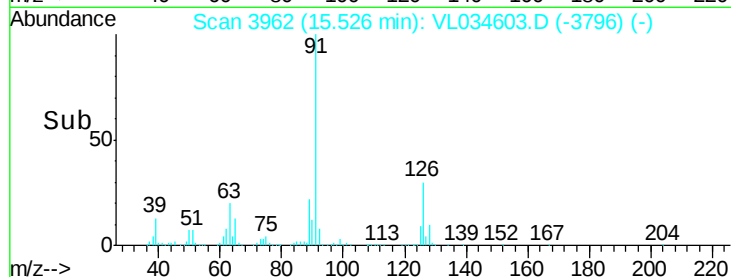
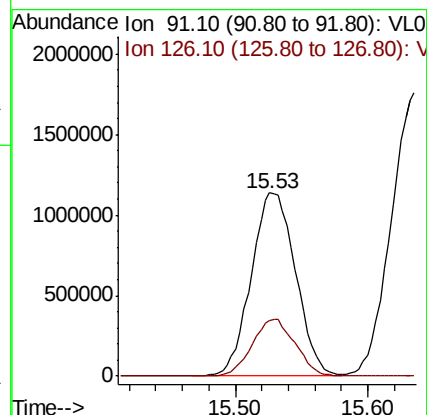
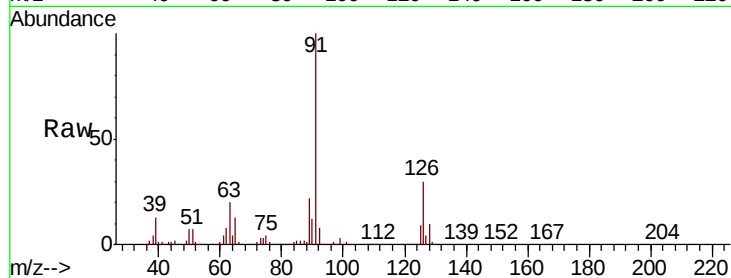
VL0206ABS01

Tot Ion: 91 Resp: 2653199

Ion Ratio Lower Upper

91 100

126 30.2 12.0 47.8



#72

4-Ethyltoluene

Concen: 9.863 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Tgt Ion:105 Resp: 2959364

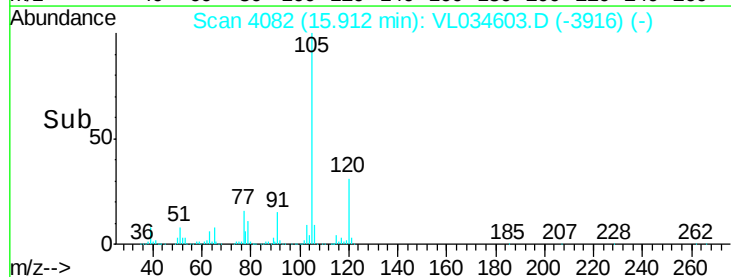
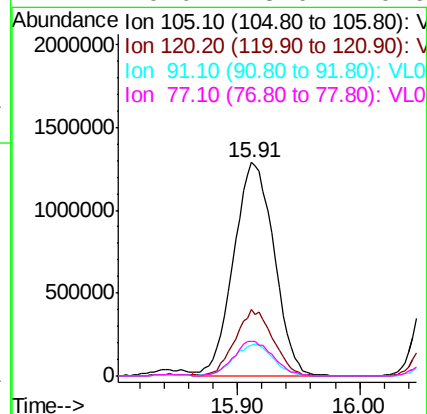
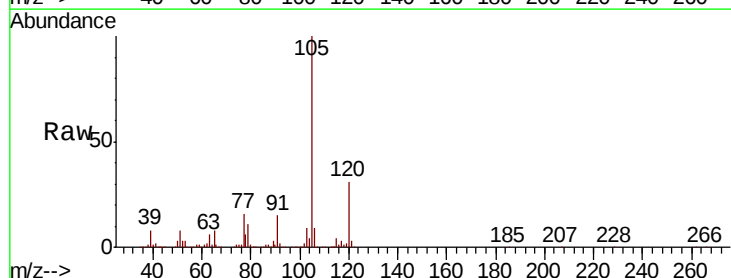
Ion Ratio Lower Upper

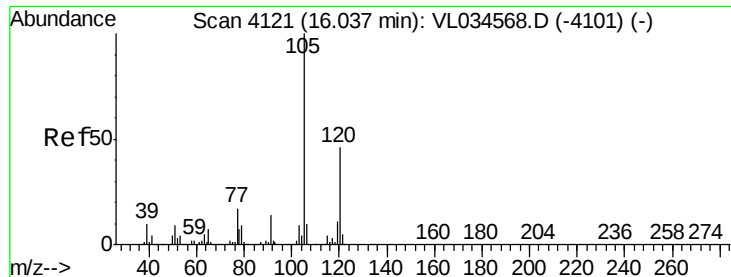
105 100

120 29.2 23.8 35.6

91 15.2 11.8 17.8

77 16.0 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 9.814 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

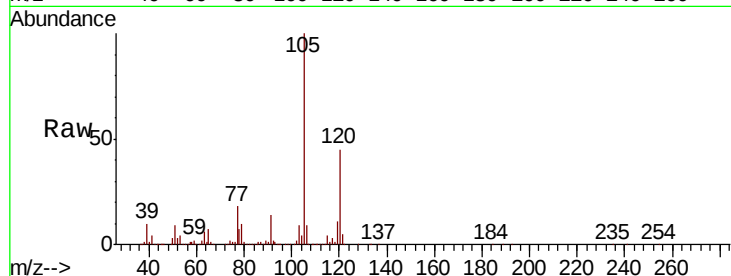
VL0206ABS01

Tot Ion:105 Resp: 2877332

Ion Ratio Lower Upper

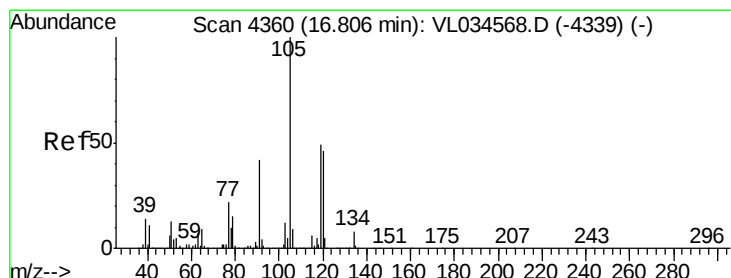
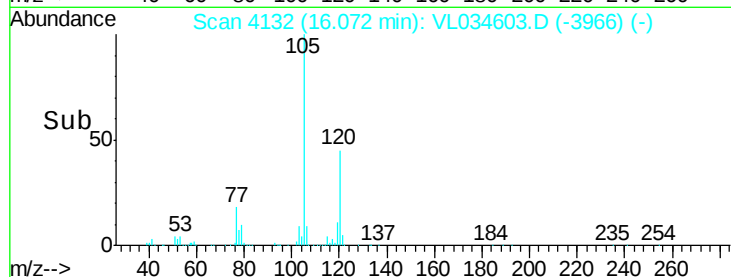
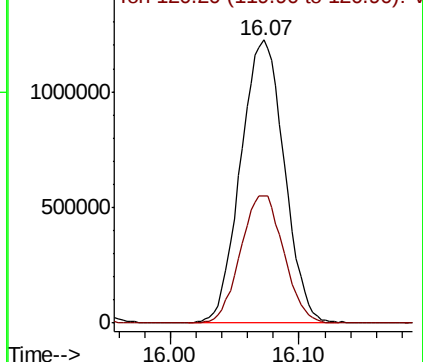
105 100

120 44.8 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: 9.299 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Tgt Ion:105 Resp: 3018230

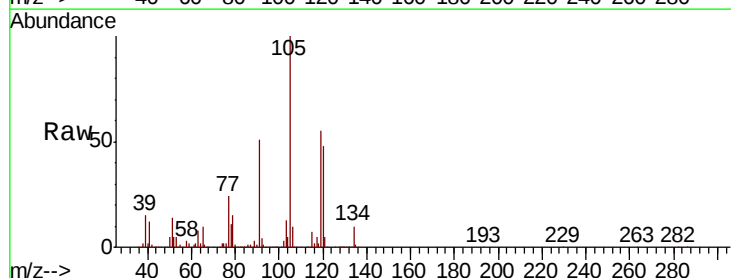
Ion Ratio Lower Upper

105 100

120 47.9 37.1 55.7

91 51.2 34.3 51.5

77 24.0 17.5 26.3

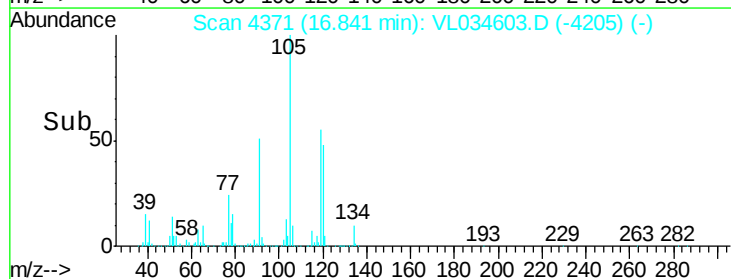
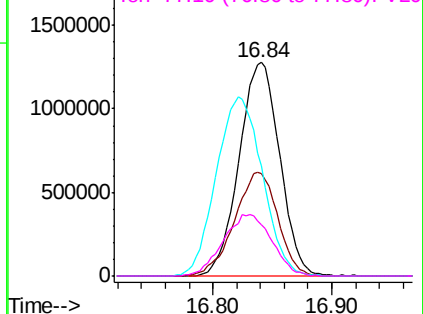


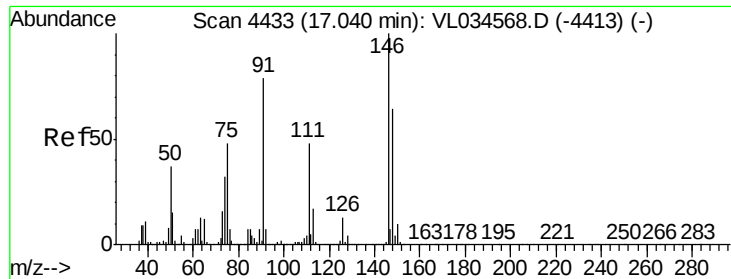
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.021 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

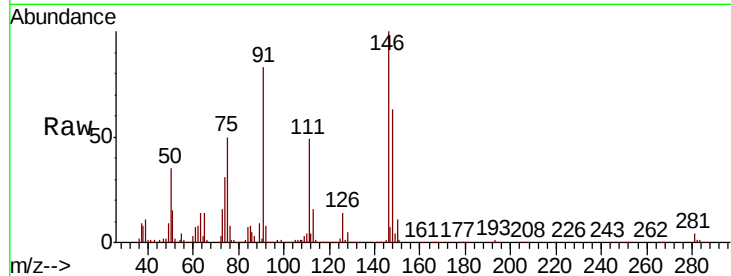
Tot Ion:146 Resp: 1685950

Ion Ratio Lower Upper

146 100

111 49.3 24.7 74.1

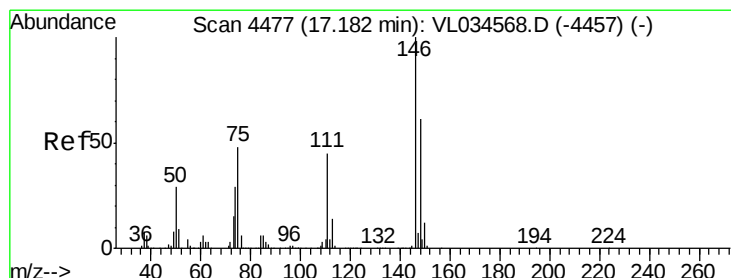
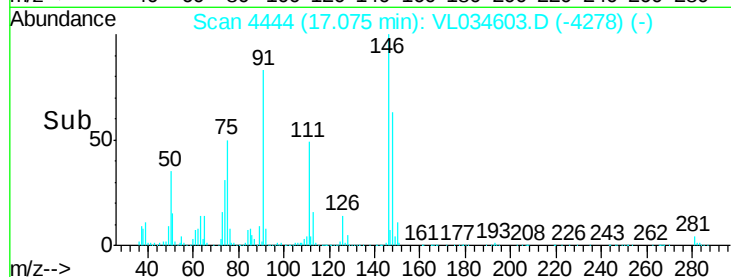
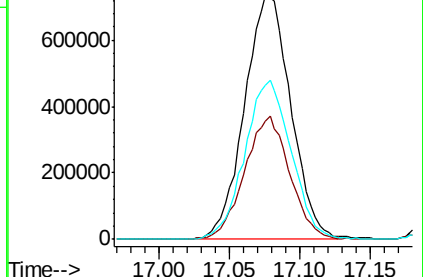
148 65.4 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.980 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

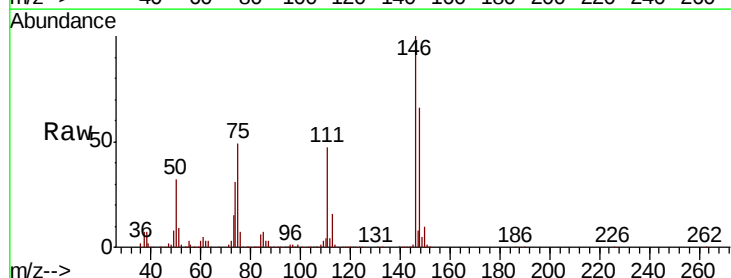
Tgt Ion:146 Resp: 1654020

Ion Ratio Lower Upper

146 100

111 48.1 24.1 72.2

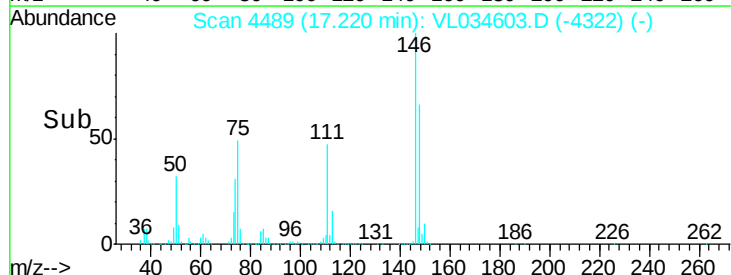
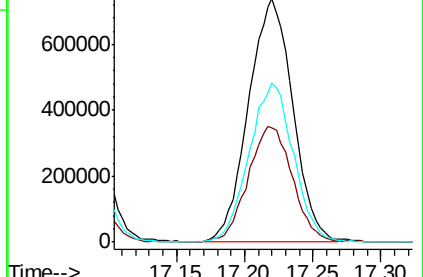
148 65.9 32.6 98.0

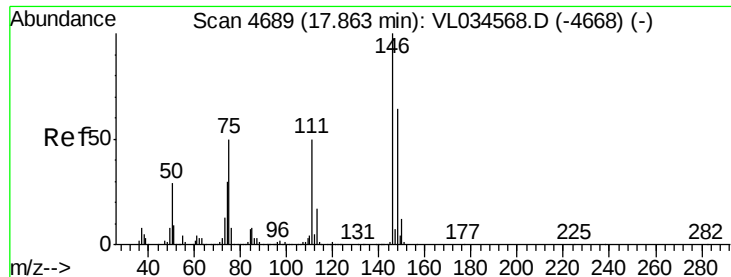


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

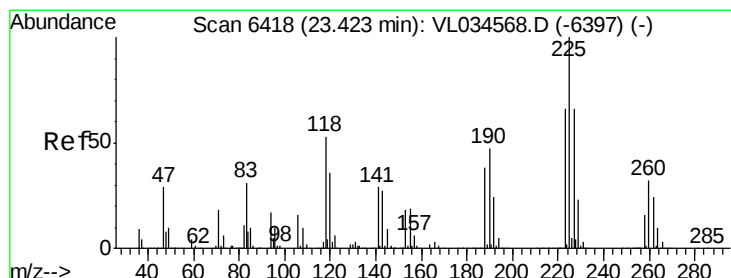
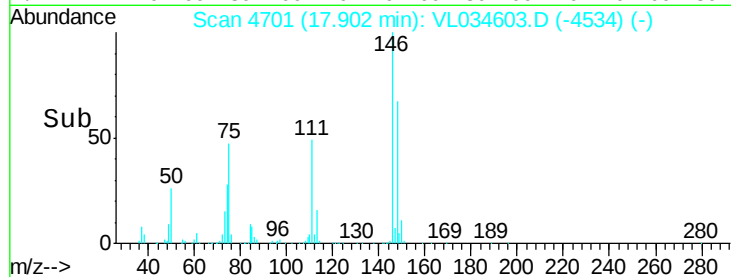
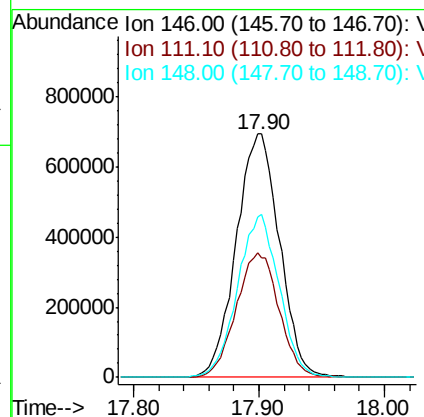
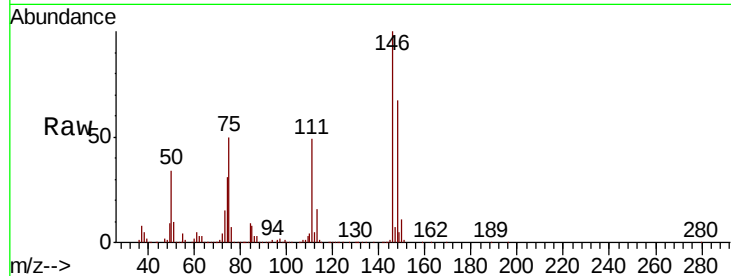




#77
 1,2-Dichlorobenzene
 Concen: 9.137 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

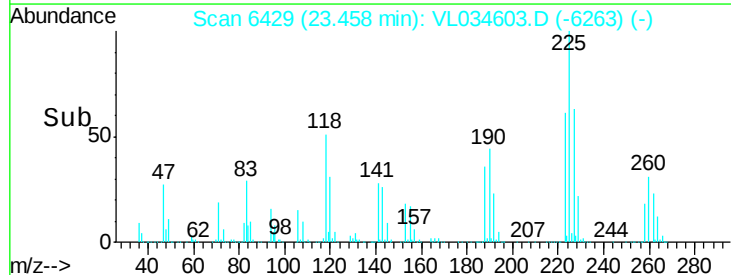
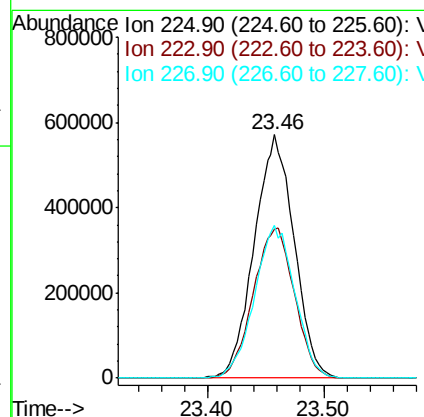
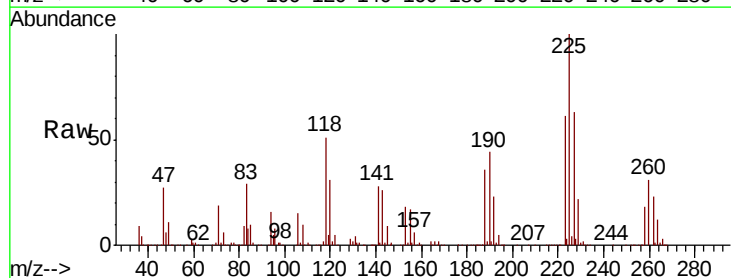
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

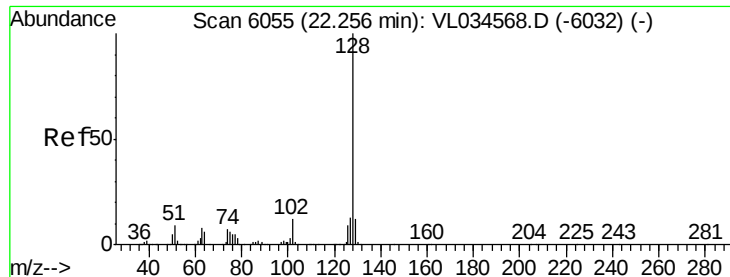
Tot Ion:146 Resp: 1640469
 Ion Ratio Lower Upper
 146 100
 111 51.5 25.1 75.3
 148 65.5 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.949 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Tgt Ion:225 Resp: 1364684
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.9 76.3
 227 63.4 51.6 77.4





#79

Naphthalene

Concen: 9.122 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

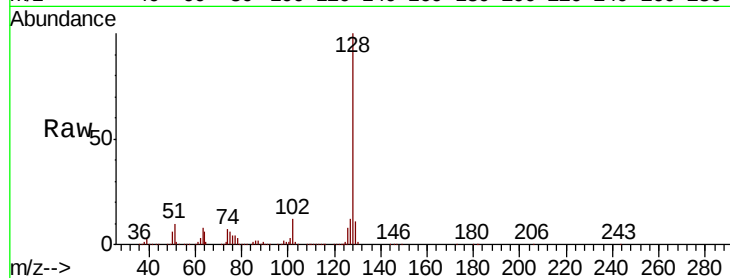
Tot Ion:128 Resp: 2330990

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

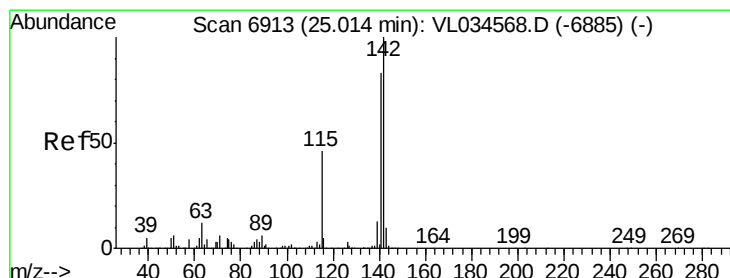
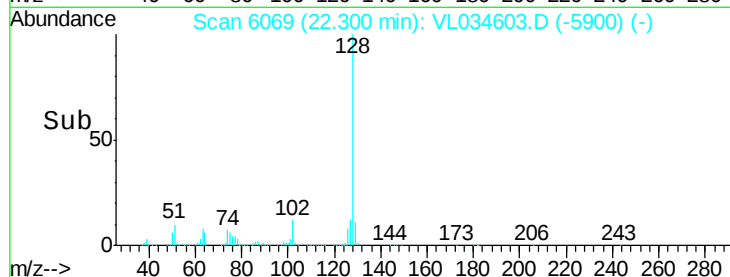
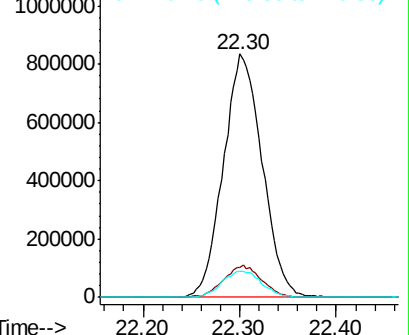
129 10.8 9.3 13.9



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: 4.870 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

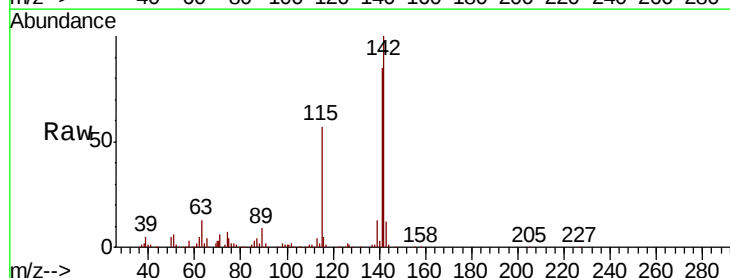
Tgt Ion:142 Resp: 478783

Ion Ratio Lower Upper

142 100

141 83.6 67.0 100.4

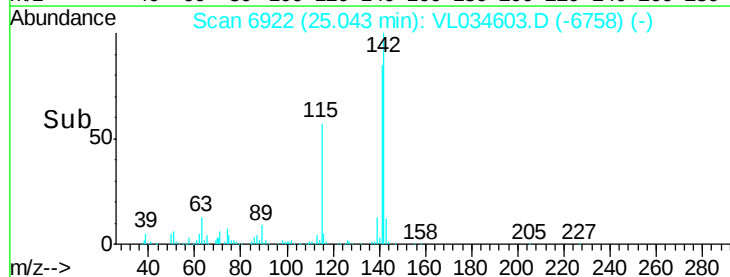
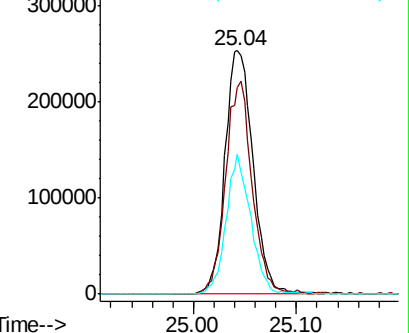
115 50.4 39.5 59.3

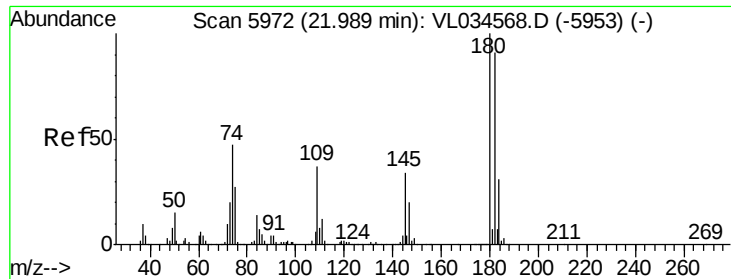


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.459 ppbv

RT: 22.03 min Scan# 5985

Delta R.T. 0.04 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABS01

Tot Ion:180 Resp: 1332668

Ion Ratio Lower Upper

180 100

182 97.3 77.8 116.6

184 31.5 25.4 38.0

