

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 :

Quant Time: Feb 07 07:37:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu 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

						Qvalue
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 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 :

Quant Time: Feb 07 07:37:04 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)
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	2523346	9.277	ppbv #	30
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

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 :

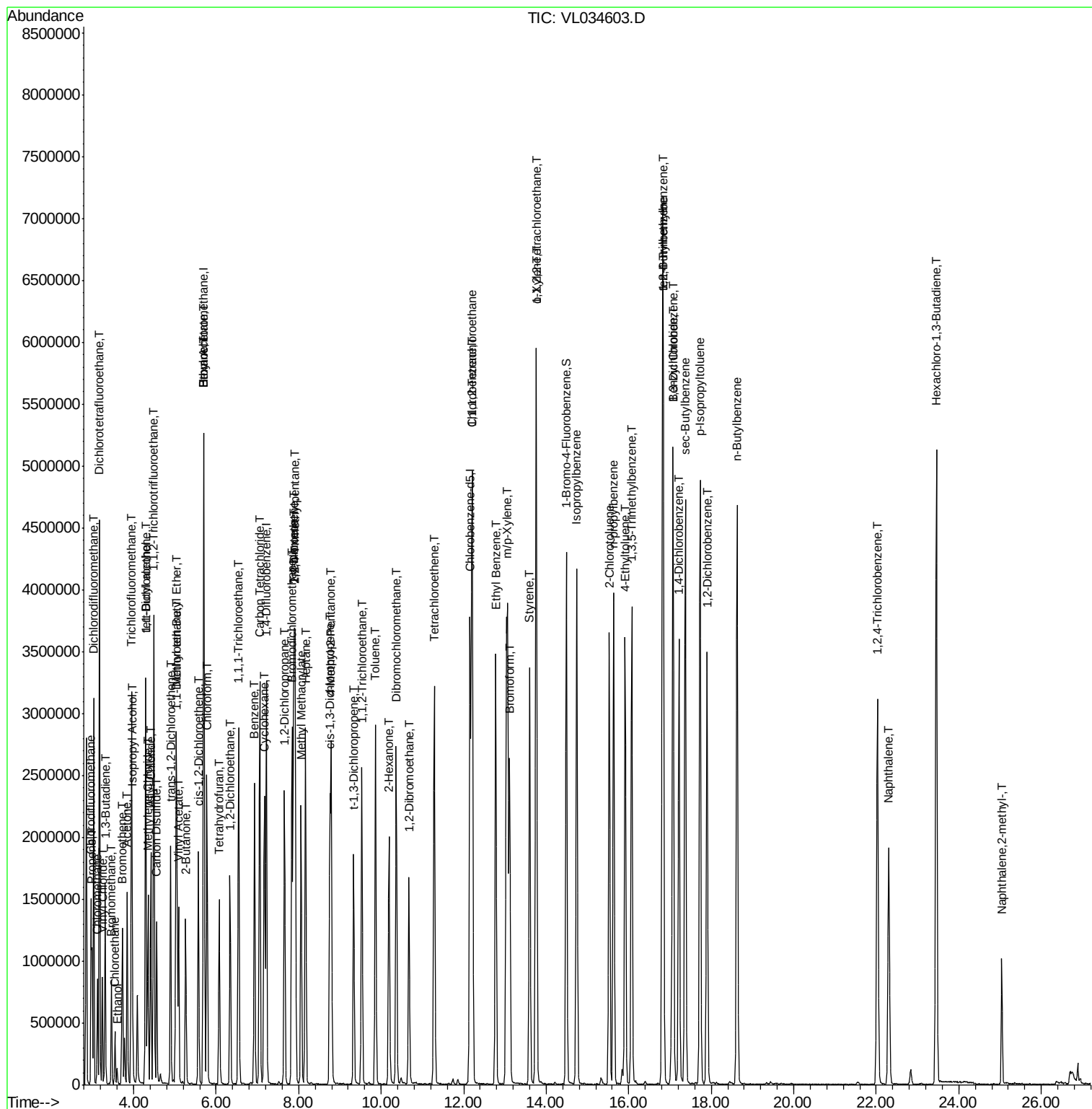
Quant Time: Feb 07 07:37:04 2020

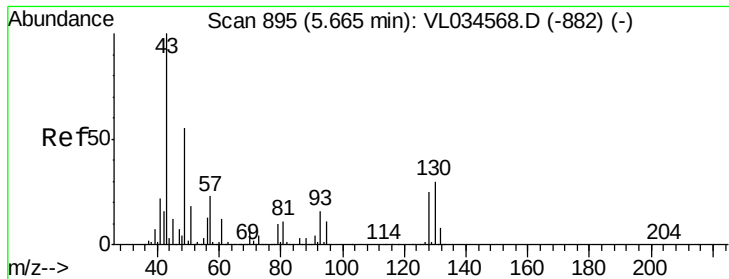
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration





#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

Instrument :

MSVOA_L

ClientSampleId :

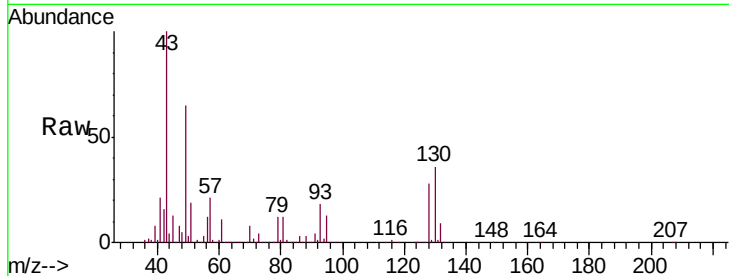
Tgt Ion: 49 Resp: 1052572

Ion Ratio Lower Upper

49 100

128 45.4 22.7 68.1

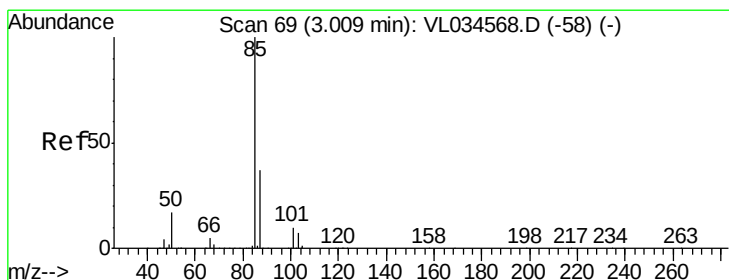
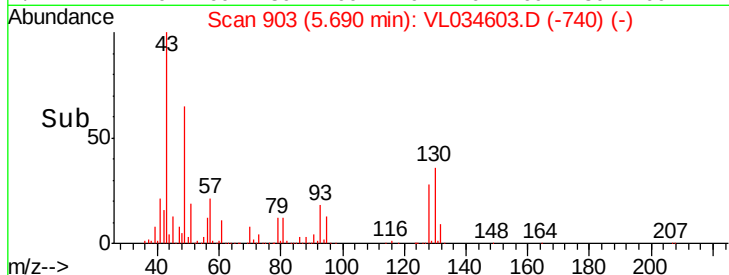
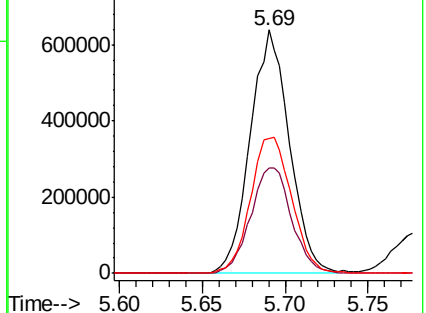
130 59.1 28.6 85.8



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

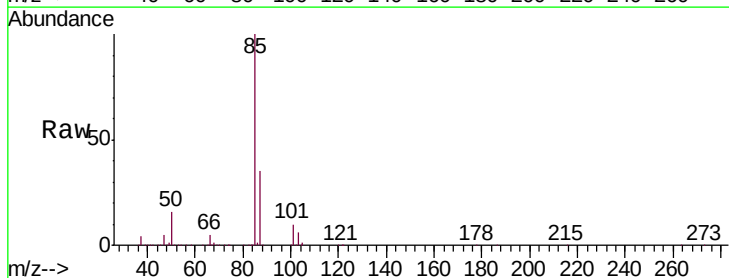
Acq: 6 Feb 2020 16:53

Tgt Ion: 85 Resp: 2111511

Ion Ratio Lower Upper

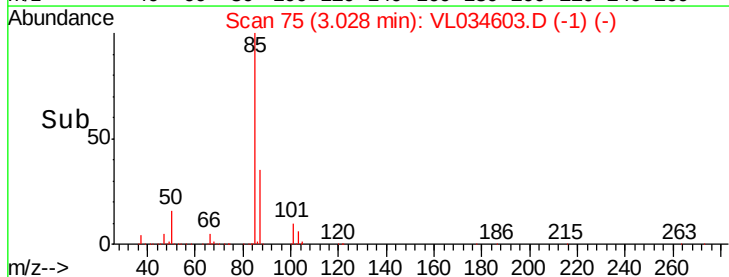
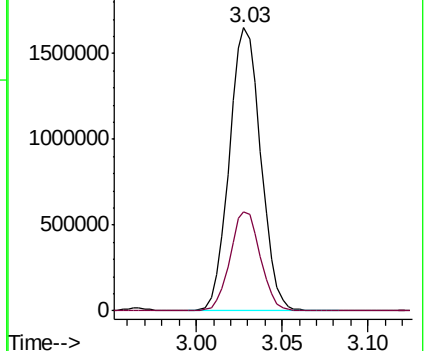
85 100

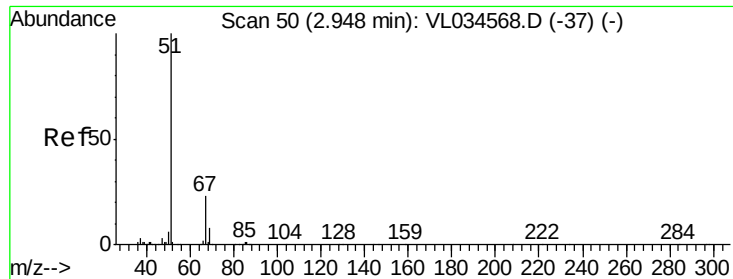
87 34.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

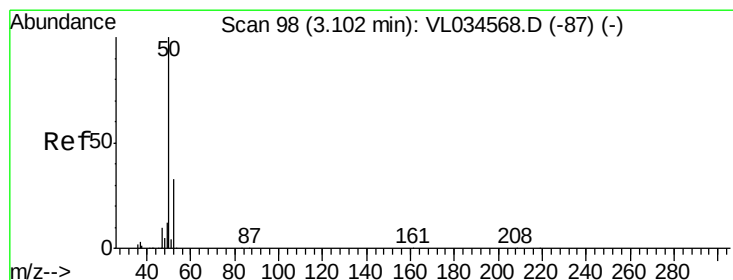
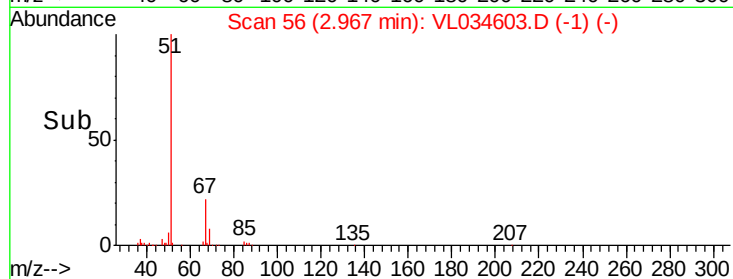
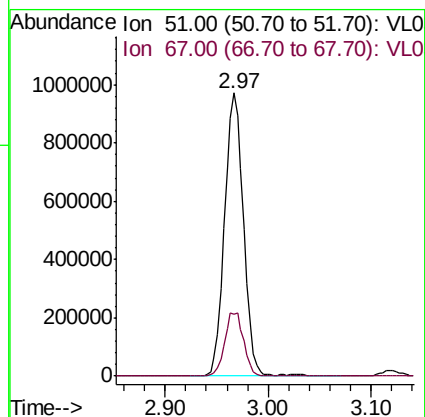
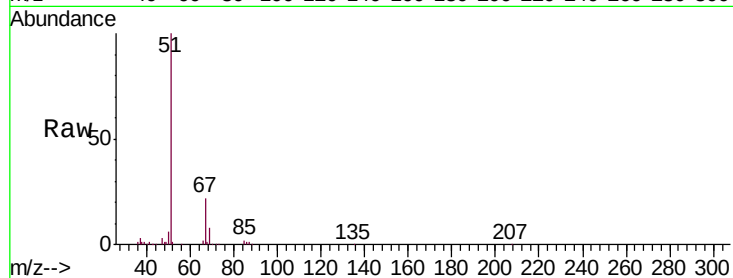




#3
 Chlorodifluoromethane
 Concen: 9.727 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

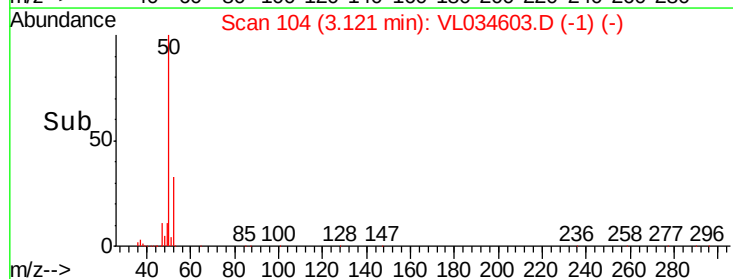
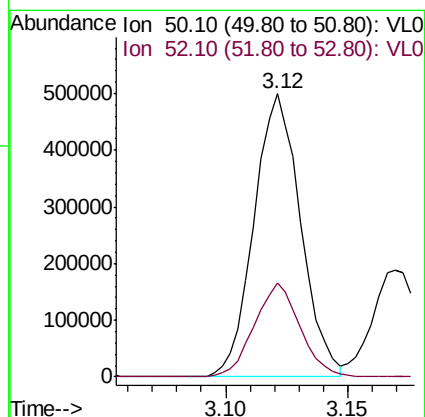
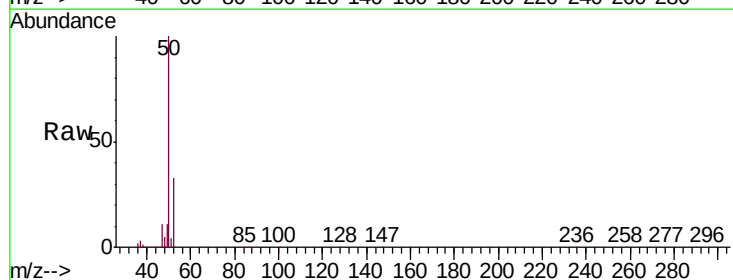
Instrument :
 MSVOA_L
 ClientSampleId :

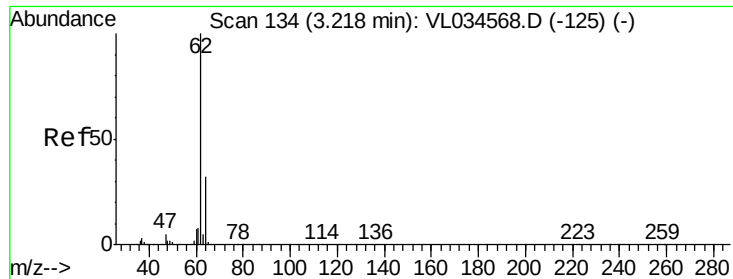
Tgt Ion: 51 Resp: 1237086
 Ion Ratio Lower Upper
 51 100
 67 22.5 17.8 26.8



#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





#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

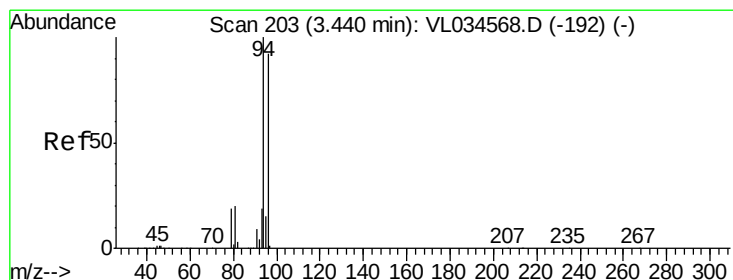
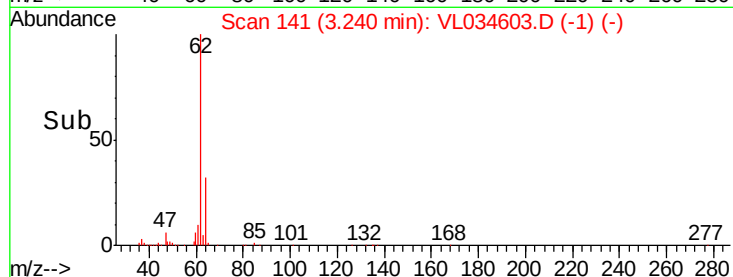
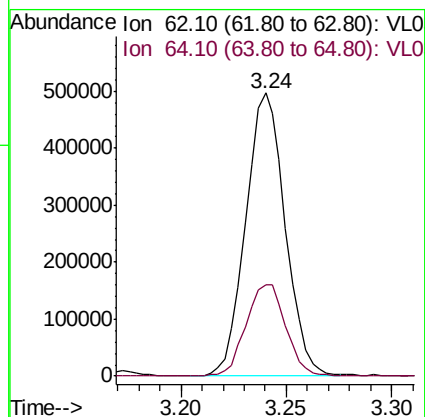
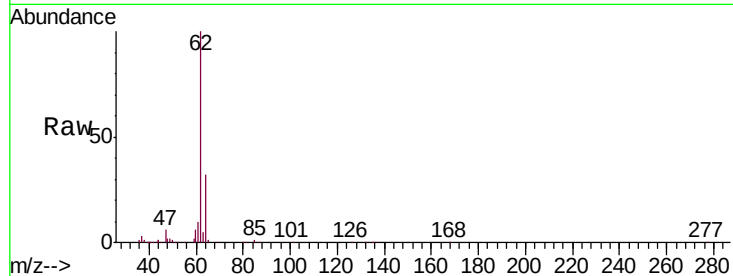
ClientSampled :

Tgt Ion: 62 Resp: 647717

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.6



#6

Bromomethane

Concen: 10.064 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034603.D

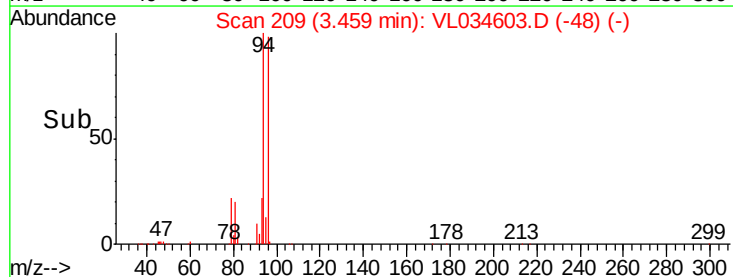
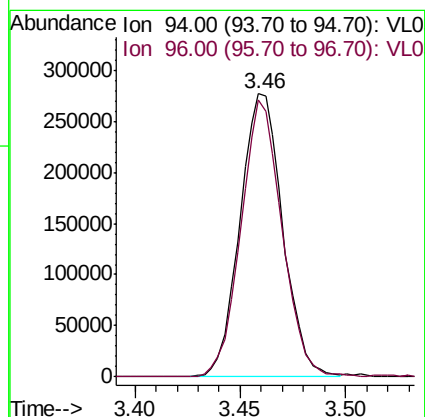
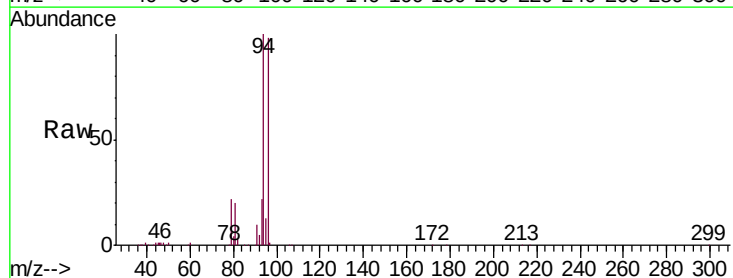
Acq: 6 Feb 2020 16:53

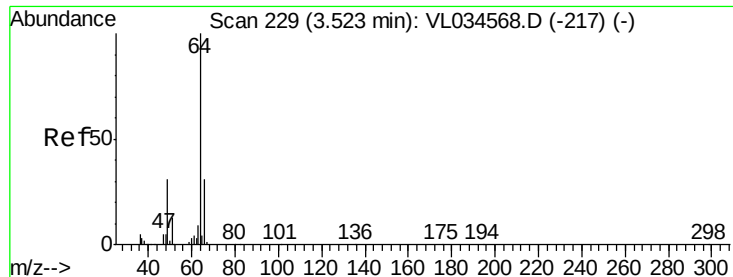
Tgt Ion: 94 Resp: 389116

Ion Ratio Lower Upper

94 100

96 97.9 73.8 110.8





#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

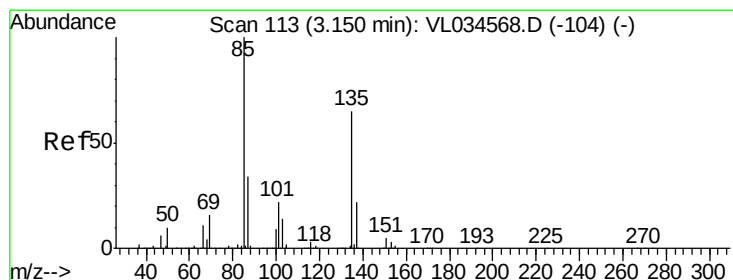
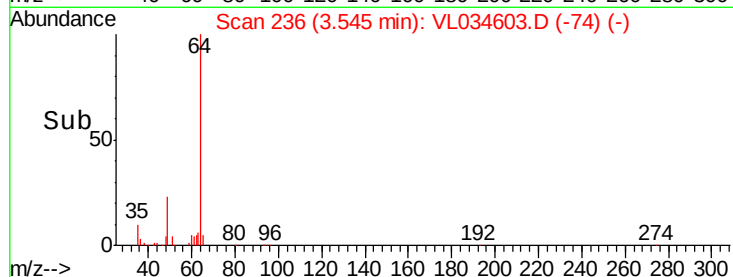
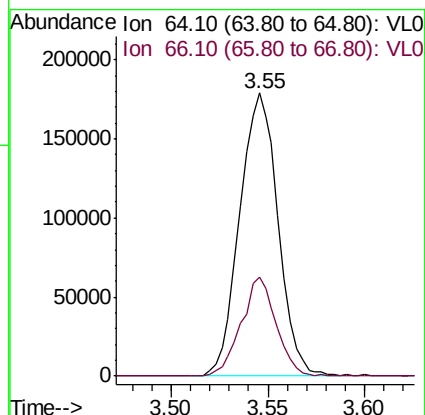
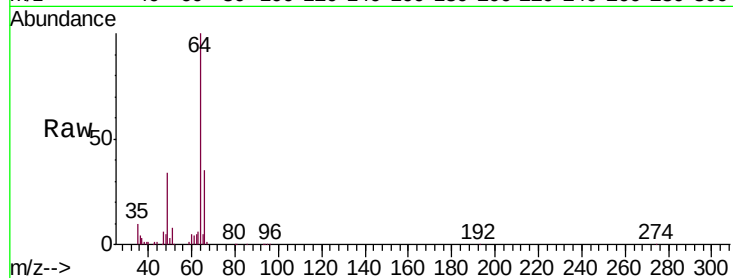
ClientSampleId :

Tgt 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

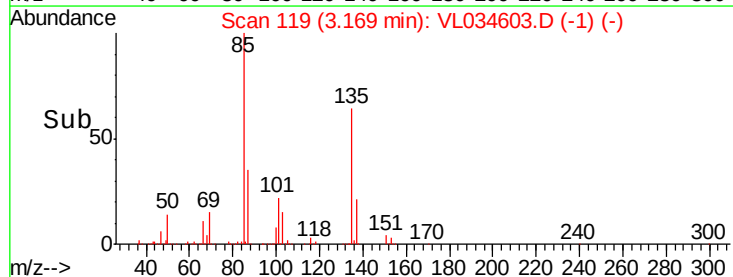
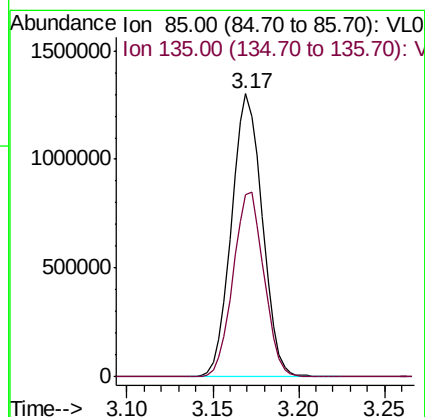
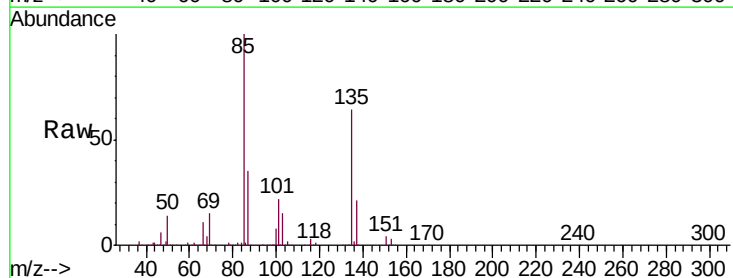
Acq: 6 Feb 2020 16:53

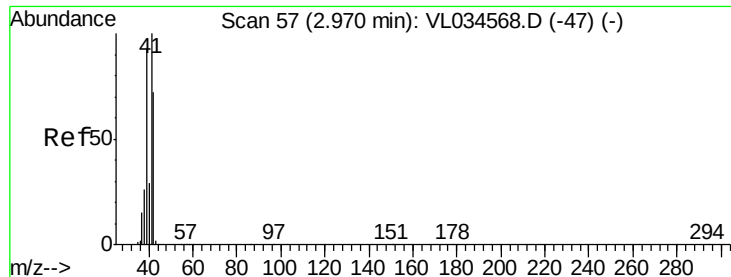
Tgt Ion: 85 Resp: 1625772

Ion Ratio Lower Upper

85 100

135 65.7 52.2 78.2

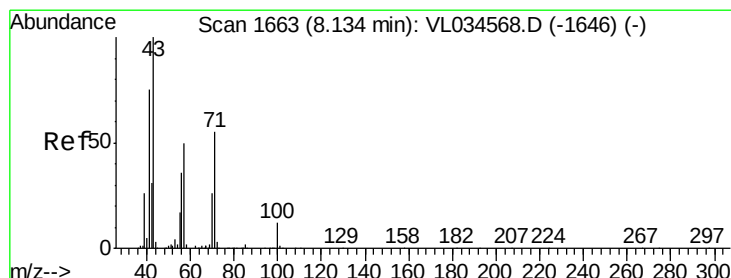
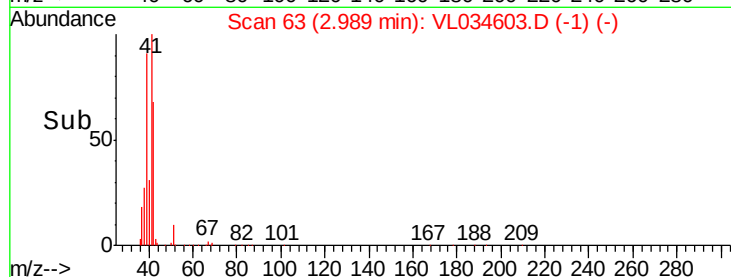
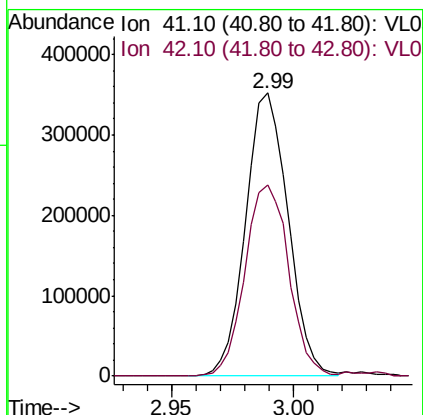
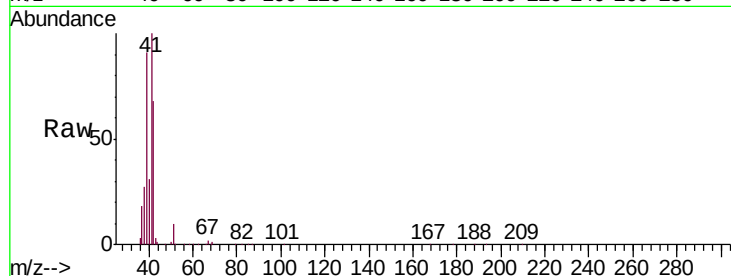




#9
 Propene
 Concen: 8.596 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

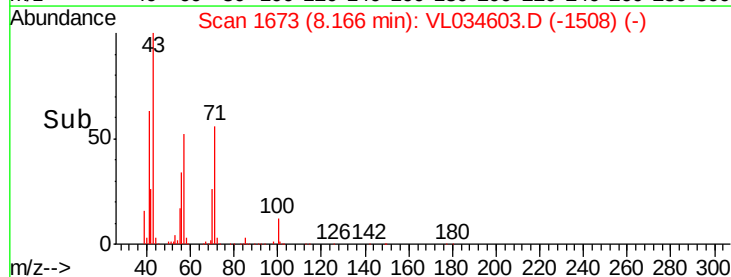
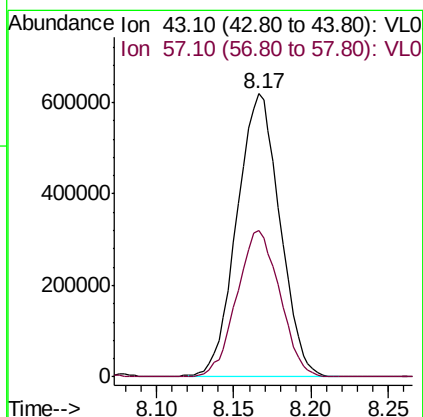
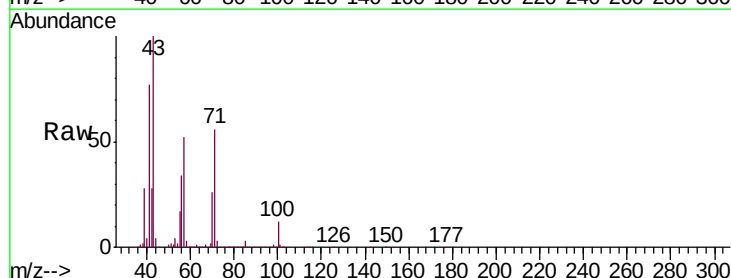
Instrument :
 MSVOA_L
 ClientSampleId :

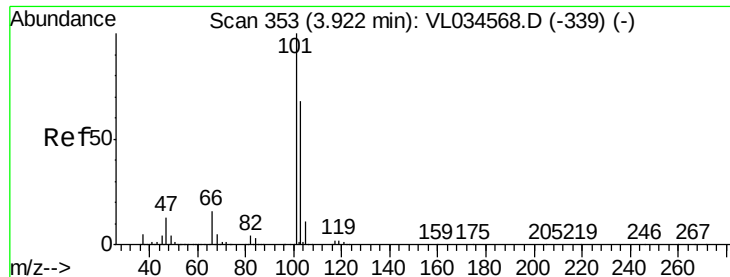
Tgt Ion: 41 Resp: 425696
 Ion Ratio Lower Upper
 41 100
 42 70.7 57.0 85.4



#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

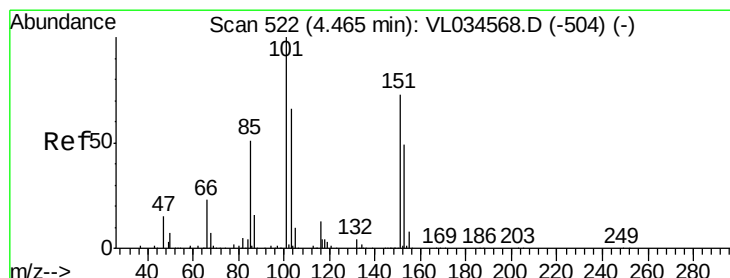
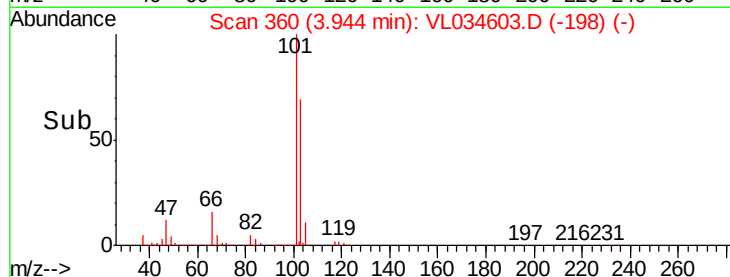
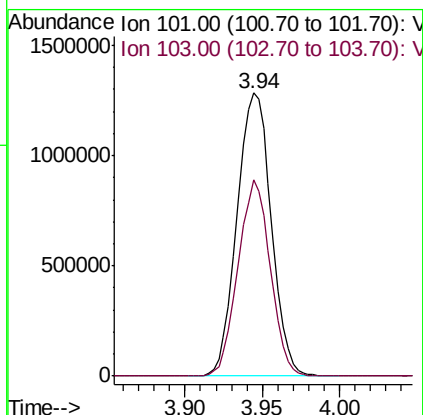
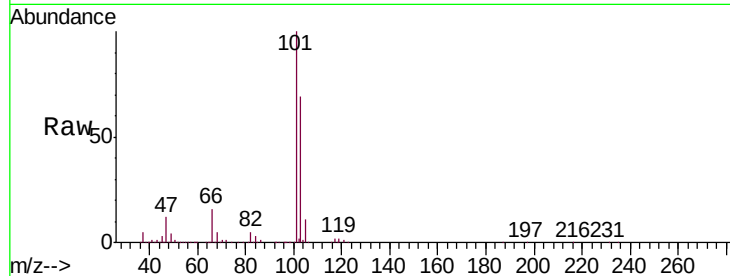




#11
 Trichlorofluoromethane
 Concen: 9.371 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

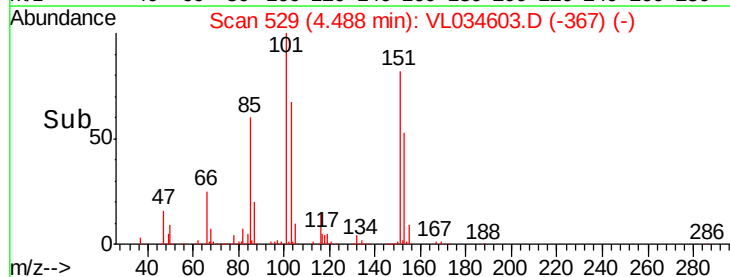
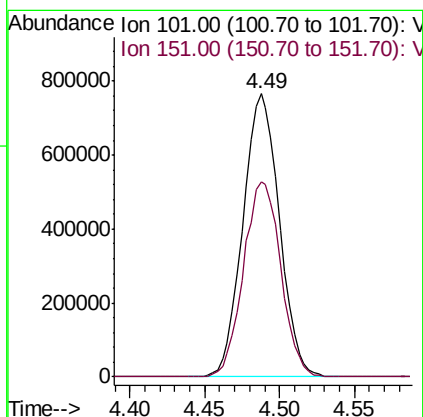
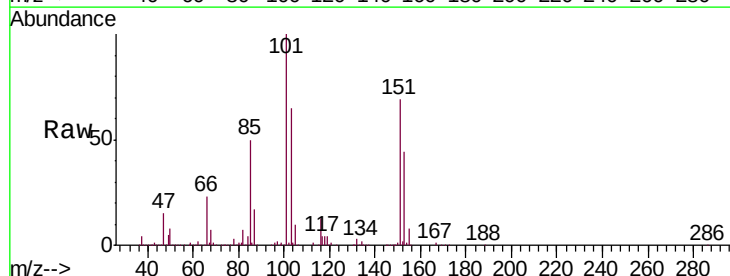
Instrument :
 MSVOA_L
 ClientSampled :

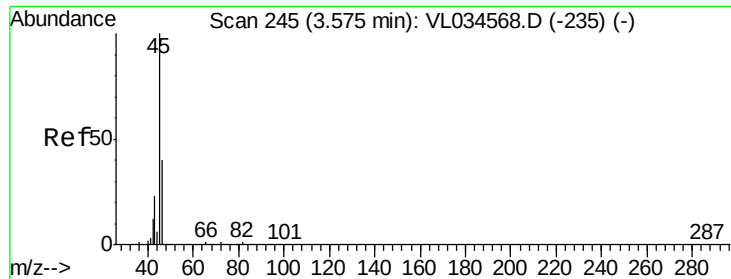
Tgt Ion:101 Resp: 1973474
 Ion Ratio Lower Upper
 101 100
 103 69.3 54.4 81.6



#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

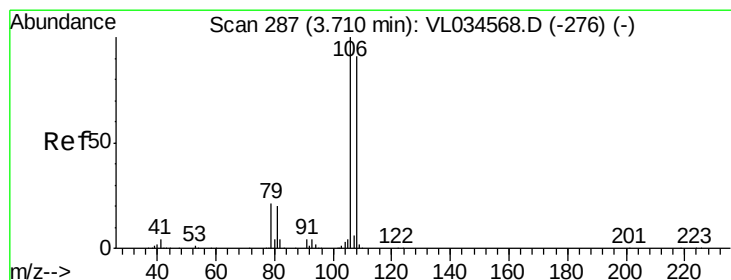
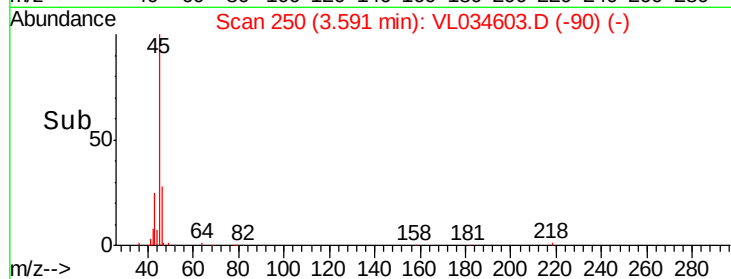
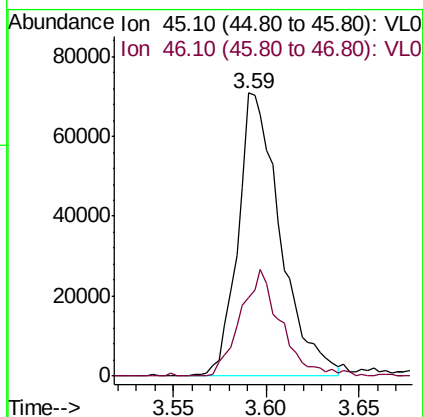
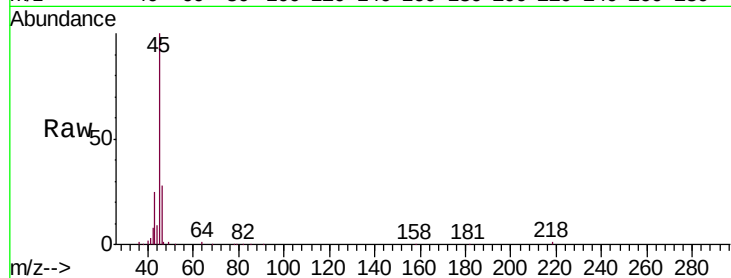




#13
 Ethanol
 Concen: 8.507 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. 0.02 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

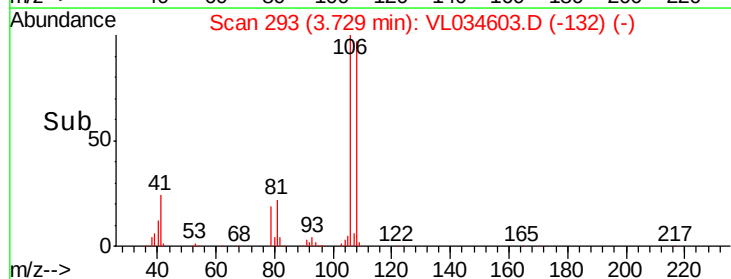
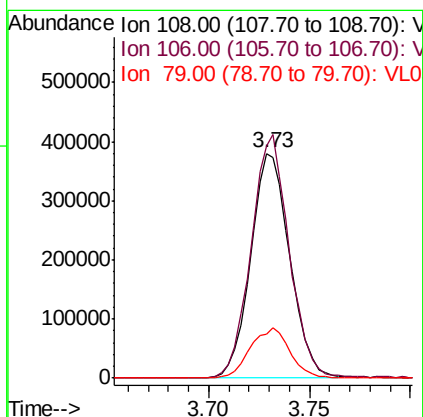
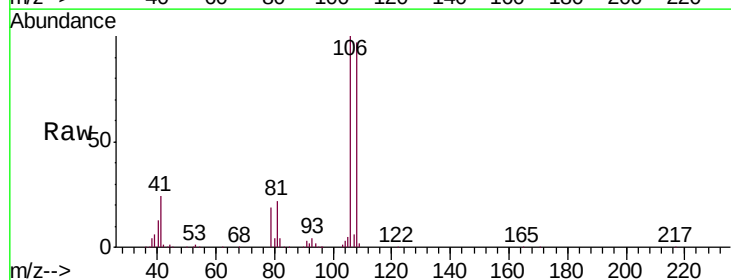
Instrument :
 MSVOA_L
 ClientSampleId :

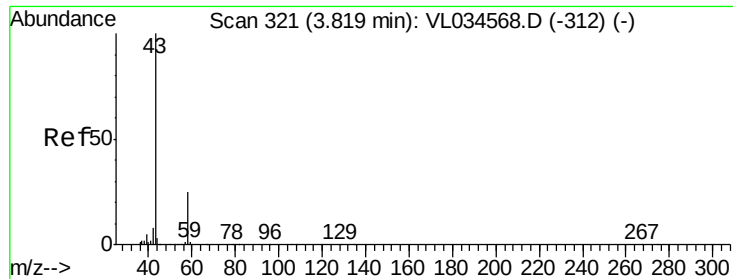
Tgt Ion: 45 Resp: 112835
 Ion Ratio Lower Upper
 45 100
 46 36.4 14.8 59.2



#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

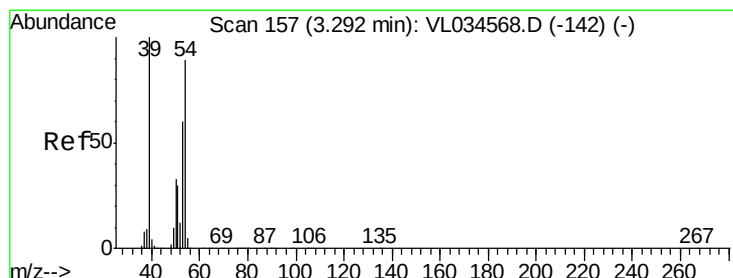
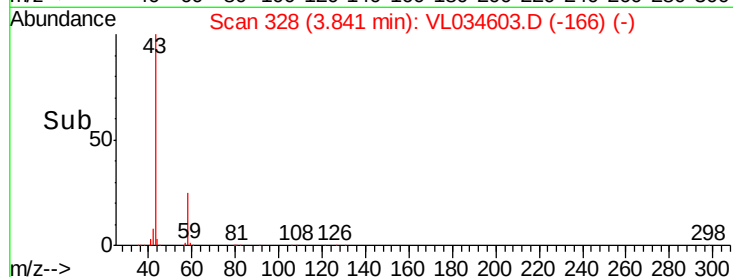
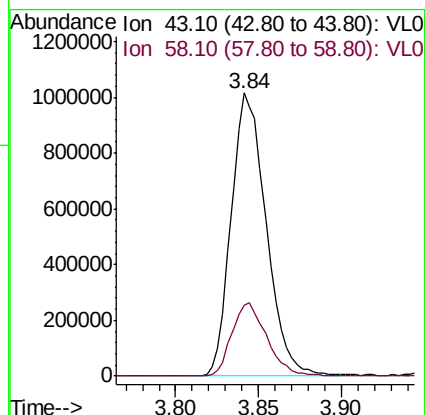
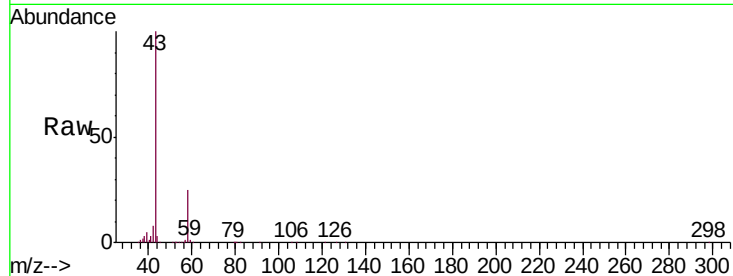
ClientSampleId :

Tgt 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

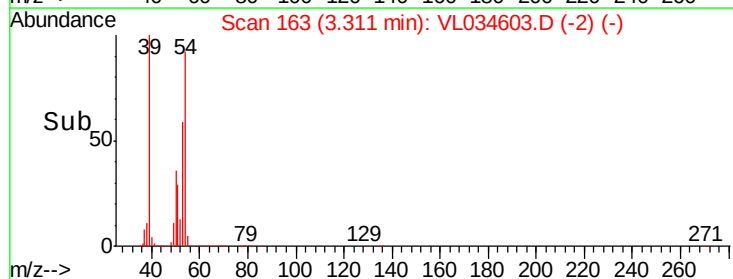
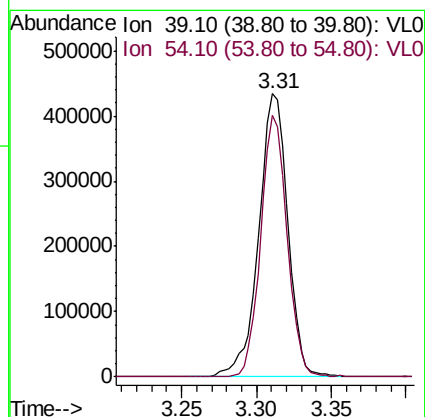
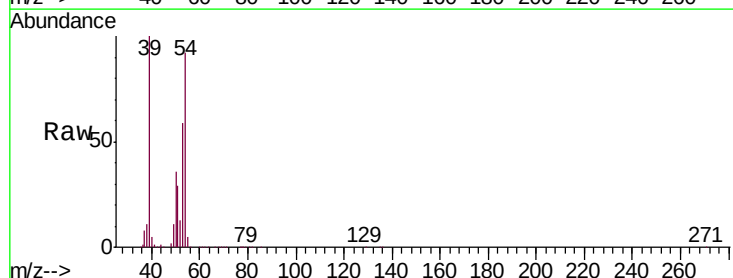
Acq: 6 Feb 2020 16:53

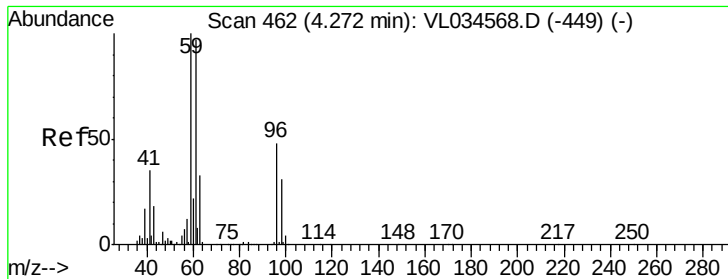
Tgt Ion: 39 Resp: 588248

Ion Ratio Lower Upper

39 100

54 83.9 66.7 100.1



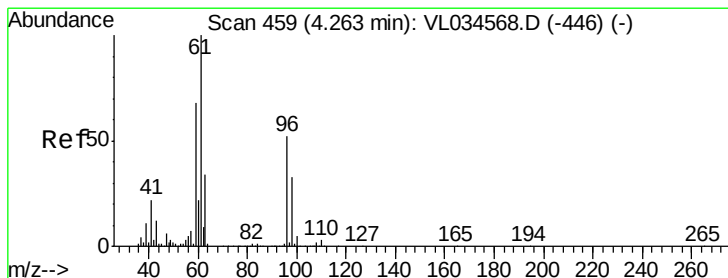
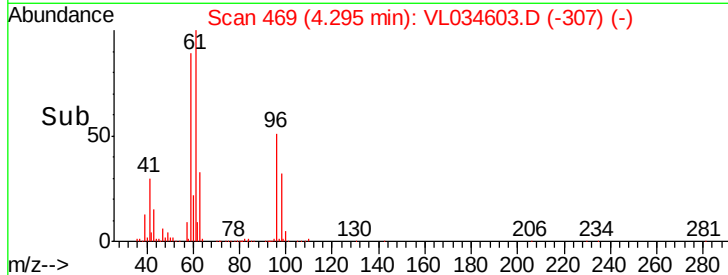
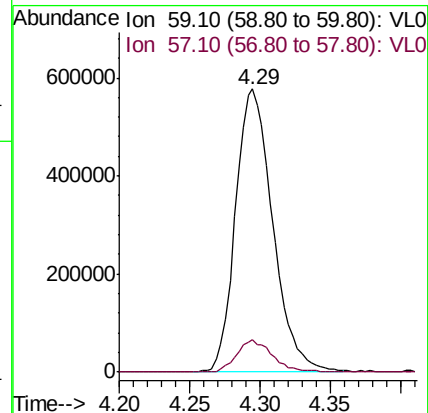
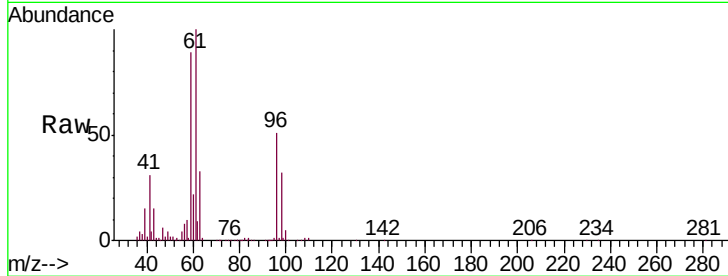


#17

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 :

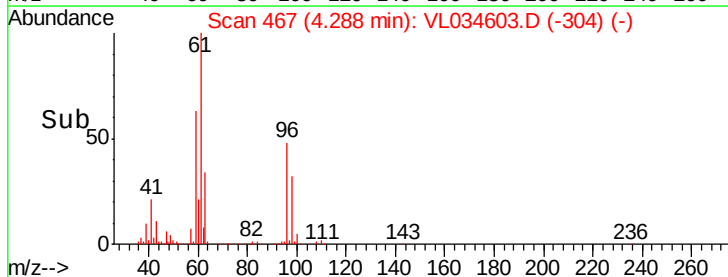
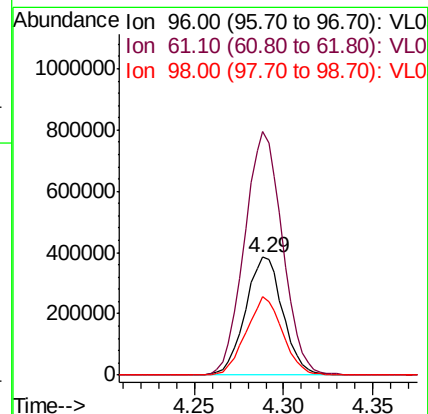
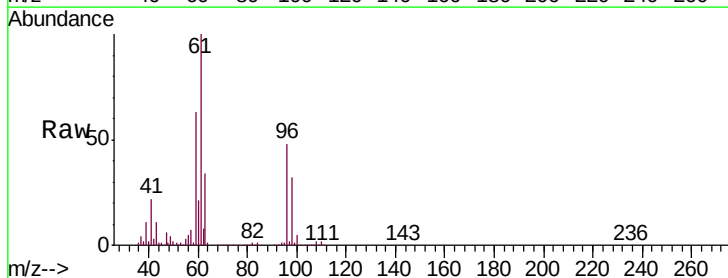
Tgt Ion: 59 Resp: 1066375
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

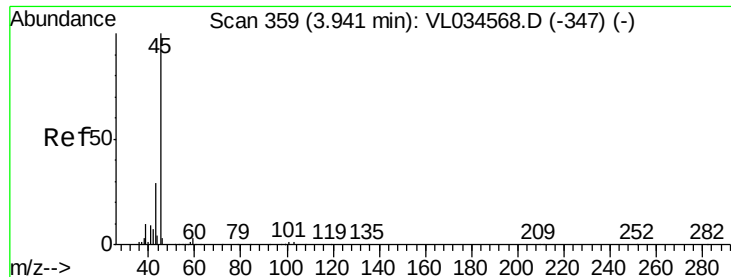


#18

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

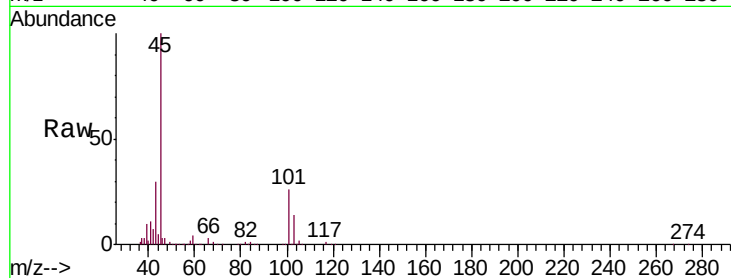
ClientSampled :

Tgt Ion: 45 Resp: 821812

Ion Ratio Lower Upper

45 100

58 2.2 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

500000

400000

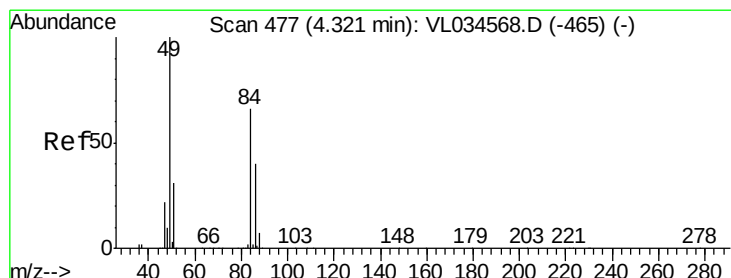
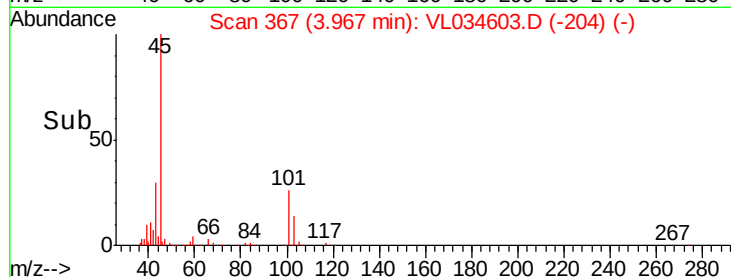
300000

200000

100000

0

Time-->



#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

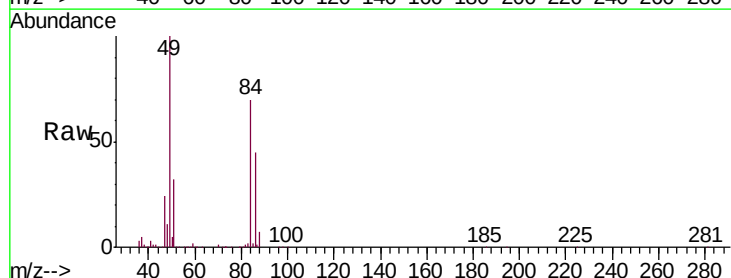
Ion Ratio Lower Upper

84 100

49 141.6 122.4 183.6

51 45.4 38.6 57.8

86 63.8 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

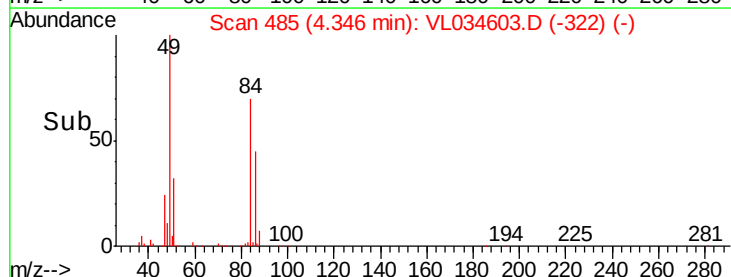
600000

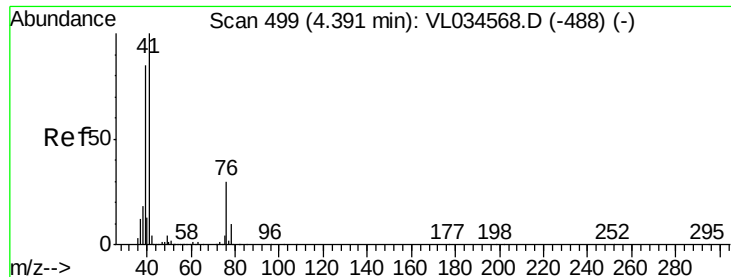
400000

200000

0

Time-->





#21

Allyl Chloride

Concen: 9.561 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.02 min

Lab File: VL034603.D

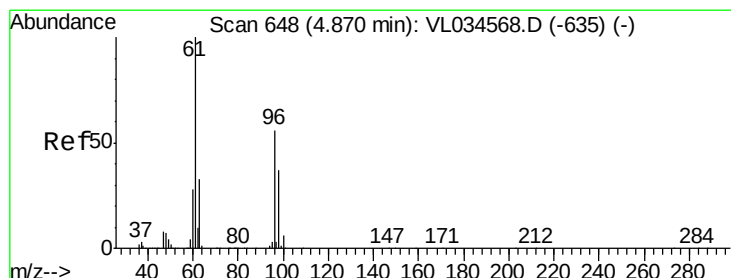
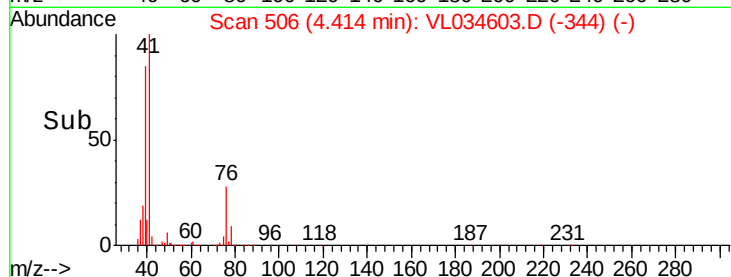
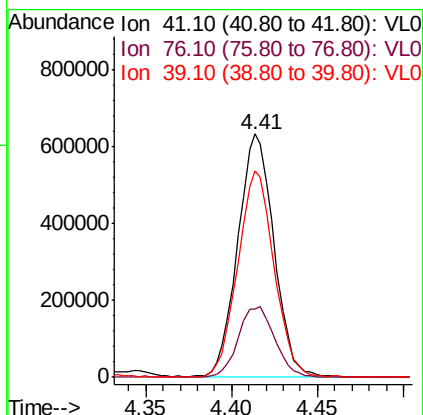
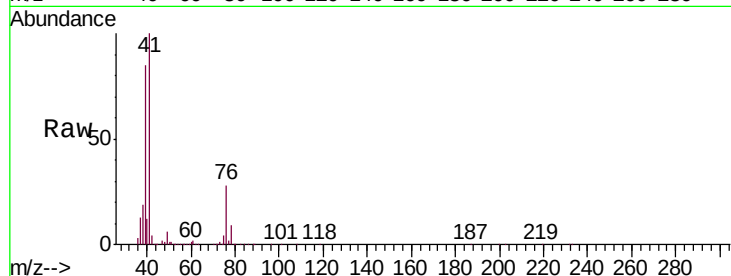
Acq: 6 Feb 2020 16:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt 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

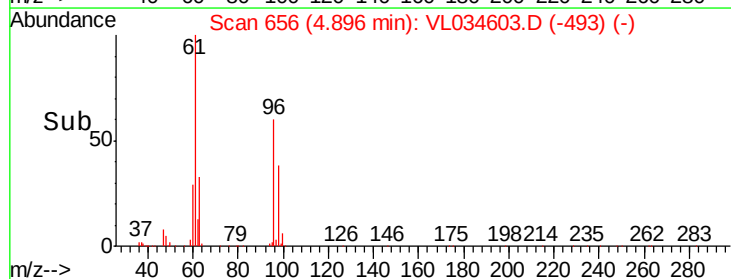
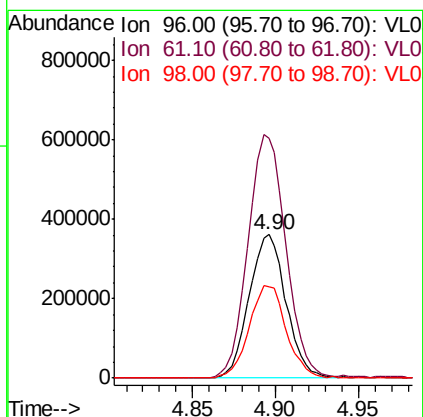
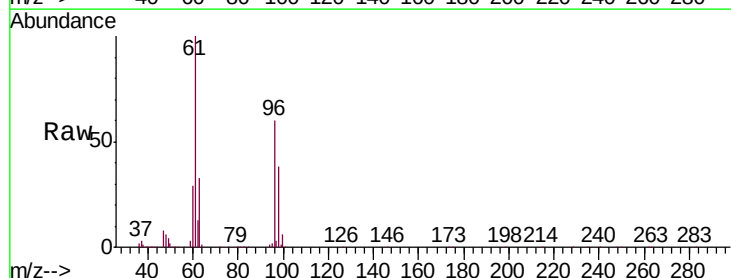
RT: 4.90 min Scan# 656

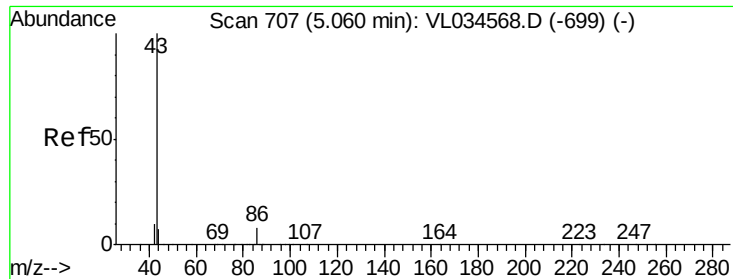
Delta R.T. 0.03 min

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 :

Tgt Ion: 43 Resp: 1785391

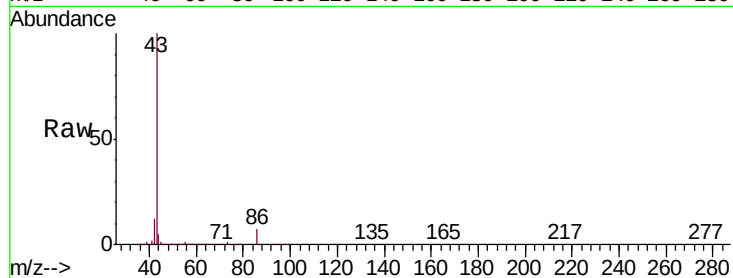
Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9

42 12.1 8.8 13.2

44 5.3 5.0 7.6

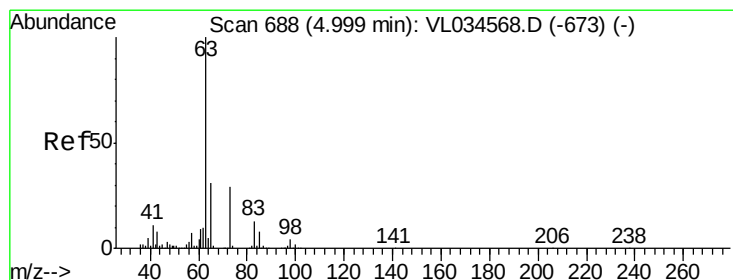
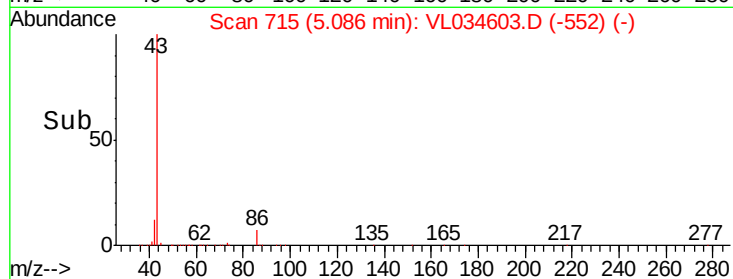
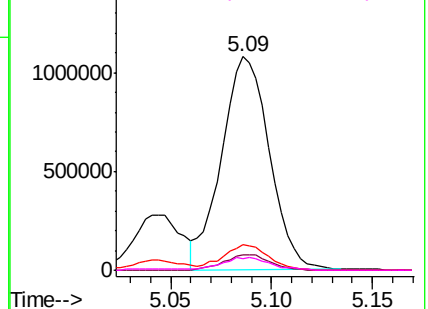


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.182 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

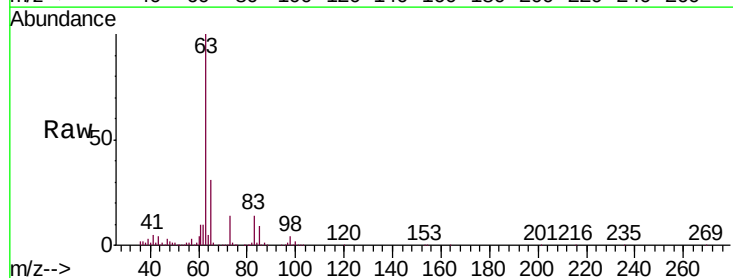
Tgt Ion: 63 Resp: 1352990

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

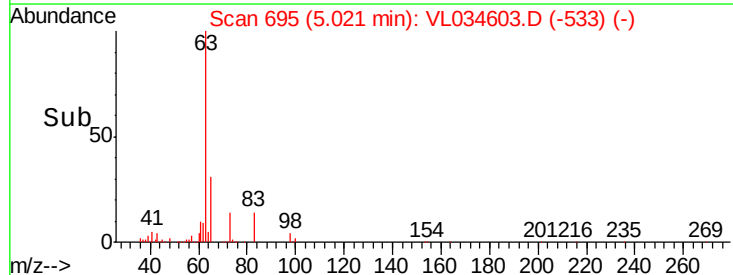
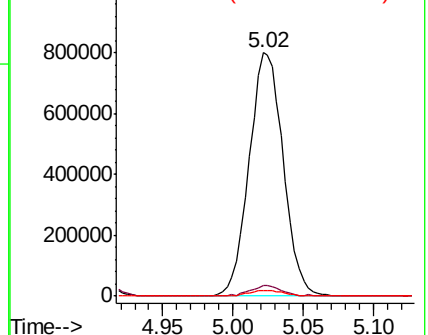
100 2.4 1.1 3.5

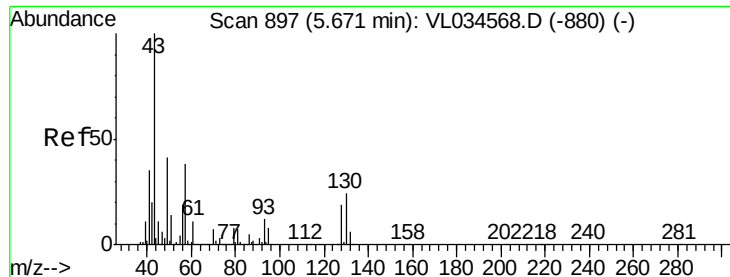


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

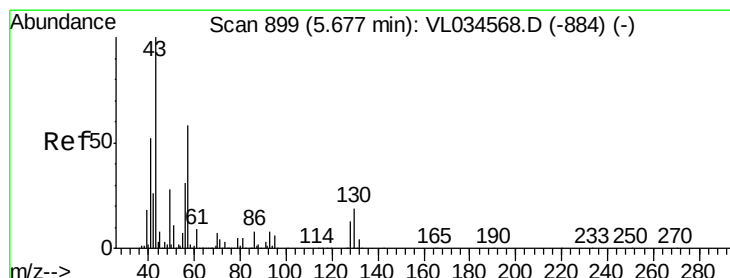
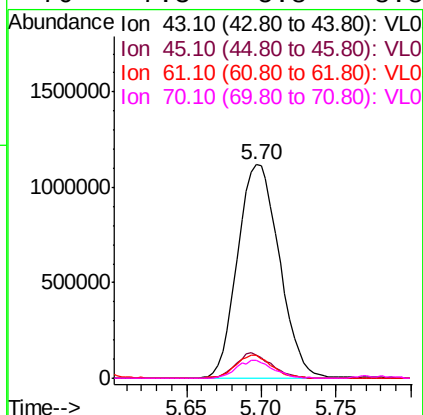
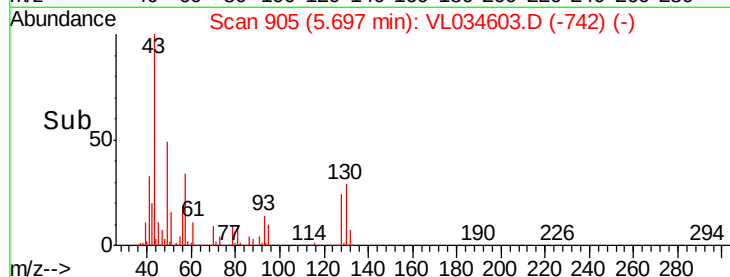
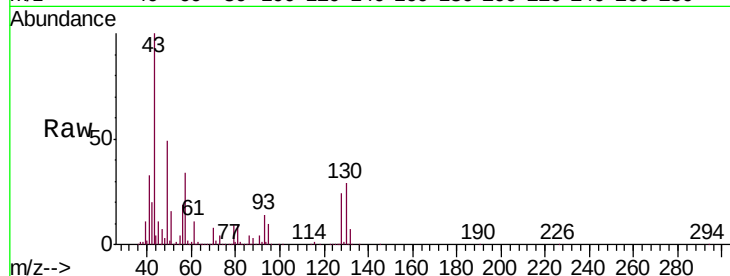




#25
Ethyl Acetate
Concen: 8.706 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

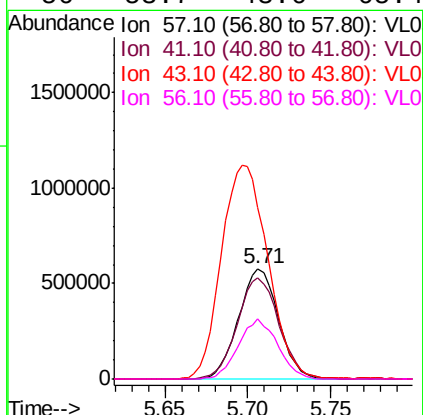
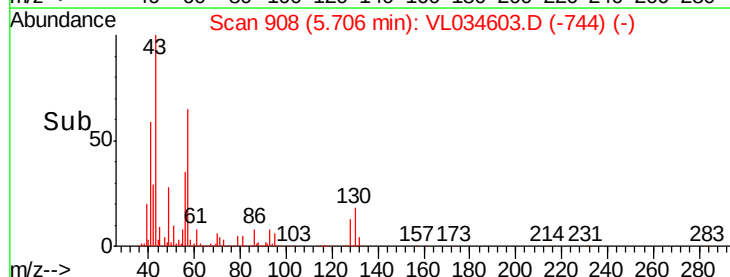
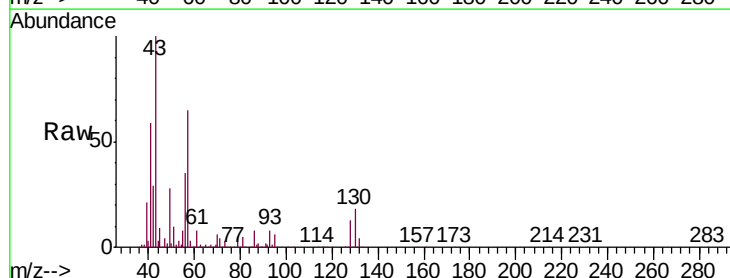
Instrument :
MSVOA_L
ClientSampleId :

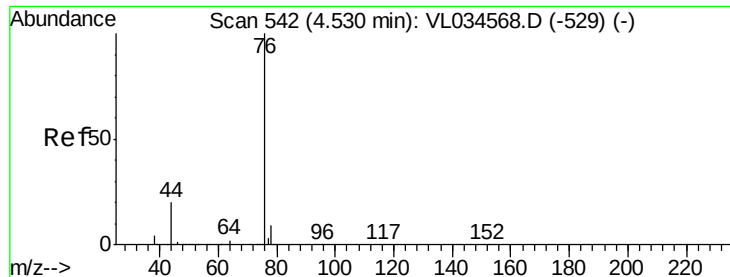
Tgt Ion: 43 Resp: 2180384
Ion Ratio Lower Upper
43 100
45 10.0 8.5 12.7
61 9.6 7.8 11.6
70 7.3 5.8 8.8



#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 :

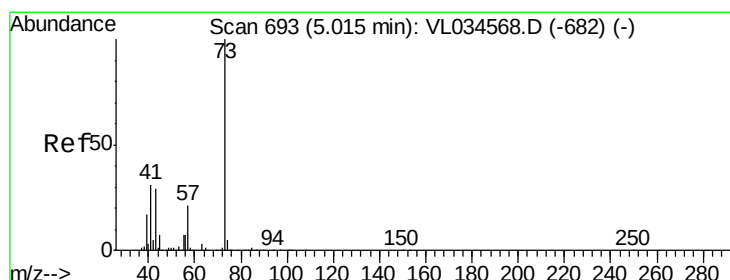
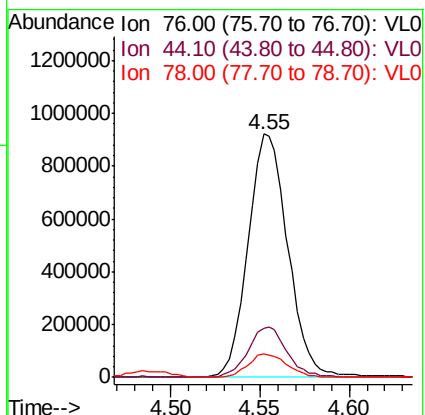
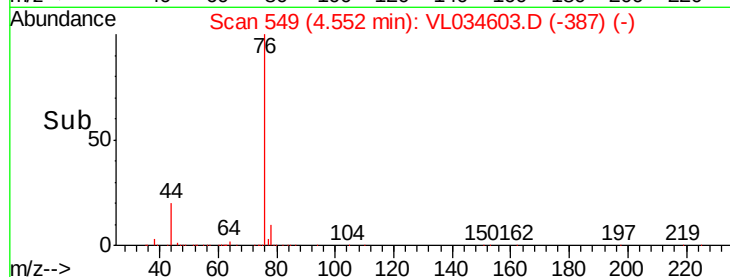
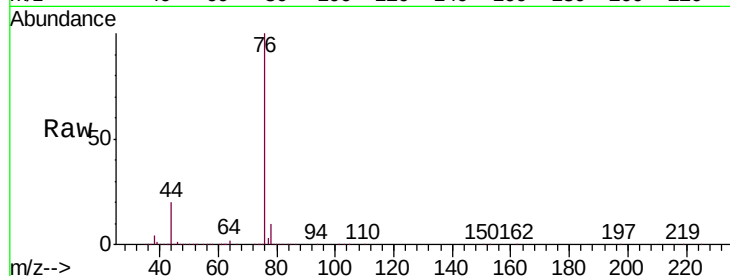
Tgt Ion: 76 Resp: 1430118

Ion Ratio Lower Upper

76 100

44 19.9 16.3 24.5

78 9.6 7.4 11.2



#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

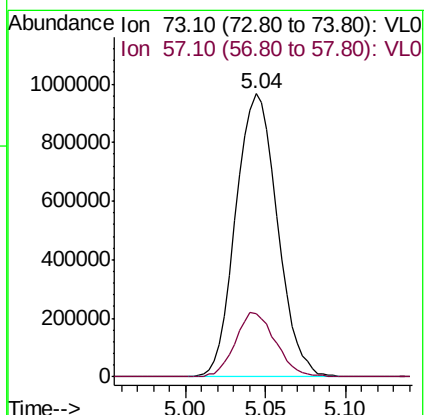
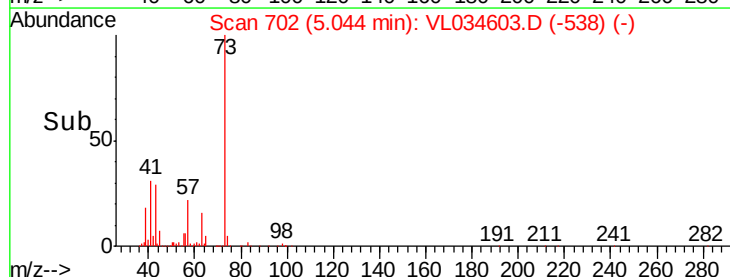
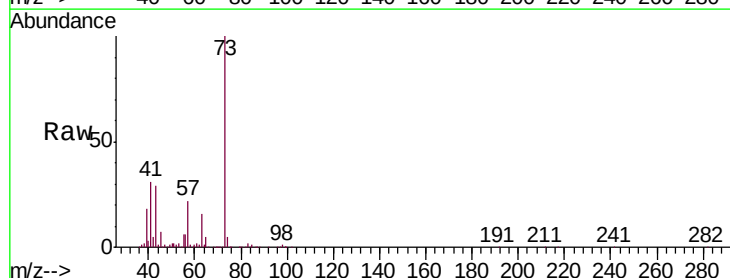
Acq: 6 Feb 2020 16:53

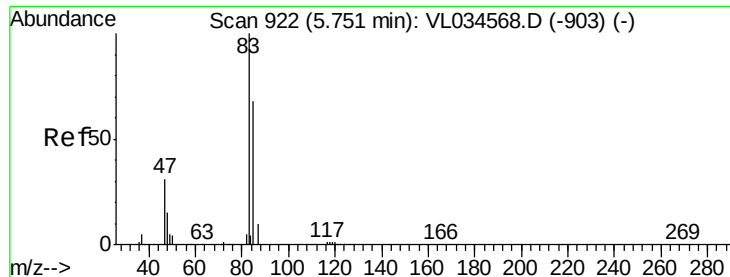
Tgt Ion: 73 Resp: 1714255

Ion Ratio Lower Upper

73 100

57 22.2 17.9 26.9

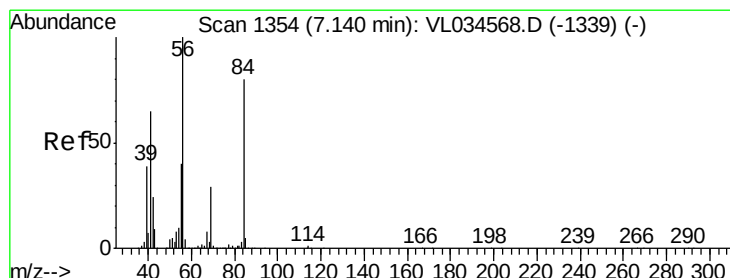
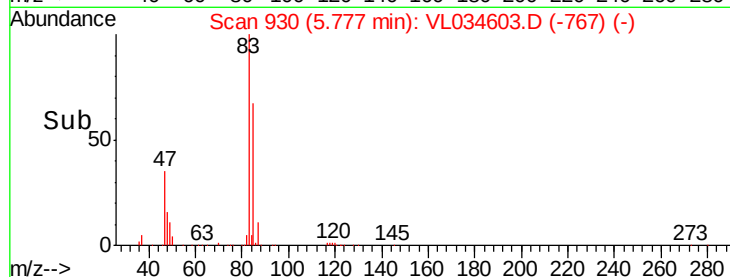
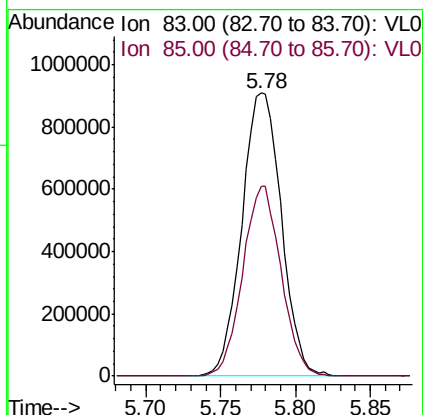
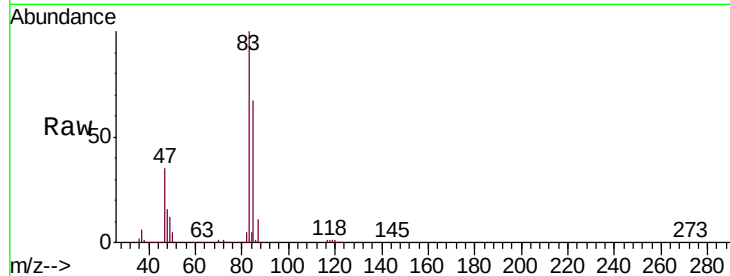




#29
Chloroform
Concen: 9.033 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

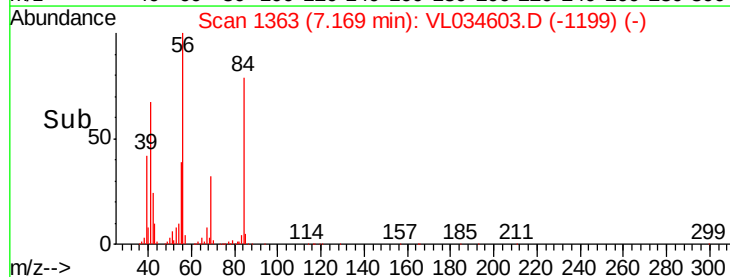
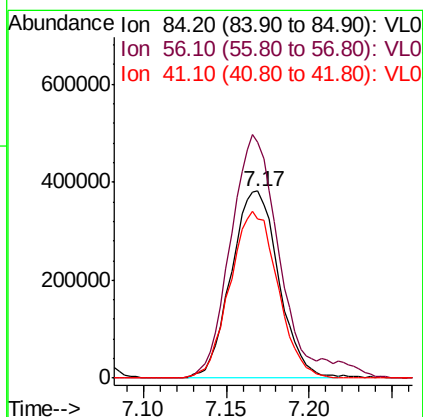
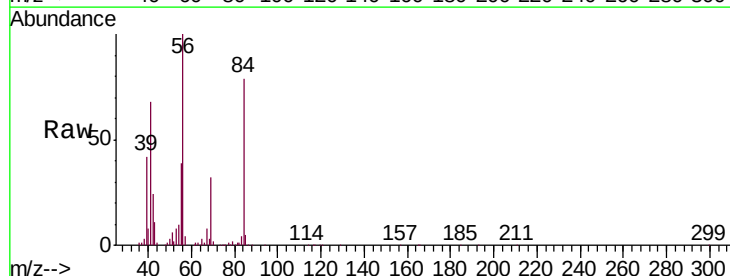
Instrument :
MSVOA_L
ClientSampleId :

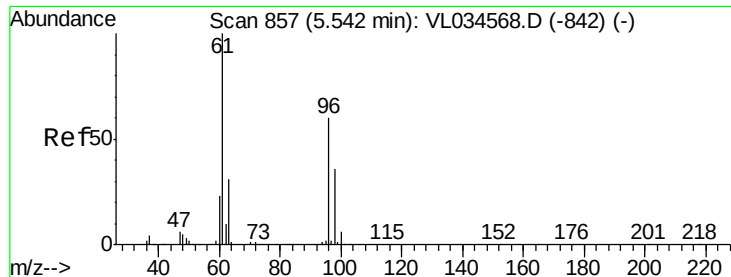
Tgt Ion: 83 Resp: 1675572
Ion Ratio Lower Upper
83 100
85 67.2 54.0 81.0



#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 :

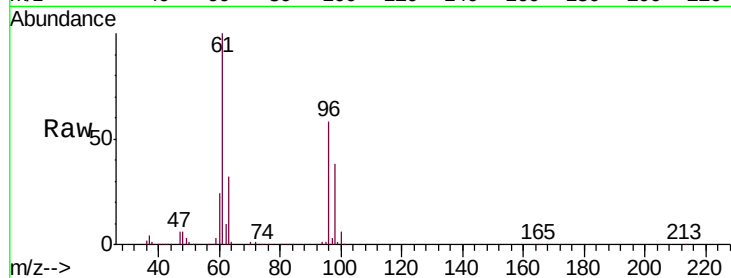
Tgt Ion: 61 Resp: 1012139

Ion Ratio Lower Upper

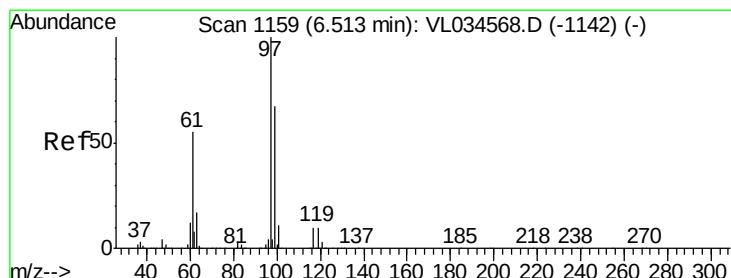
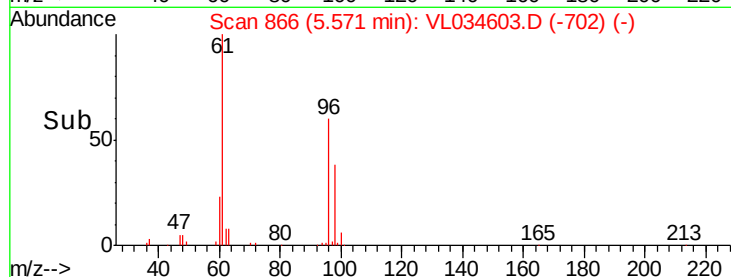
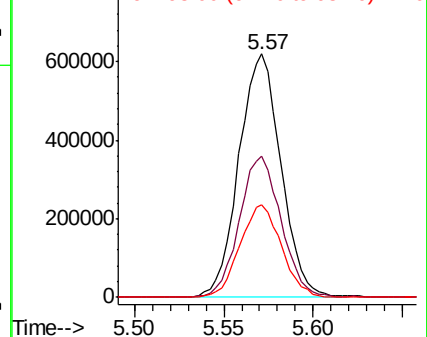
61 100

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

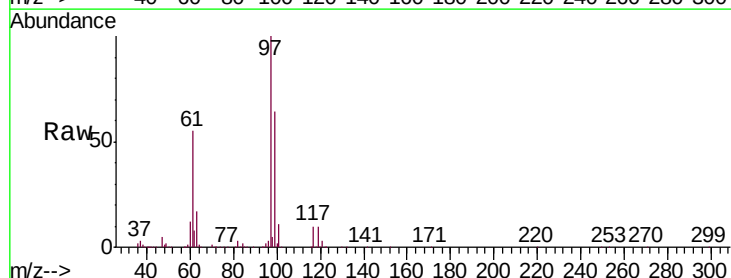
Tgt Ion: 97 Resp: 1778884

Ion Ratio Lower Upper

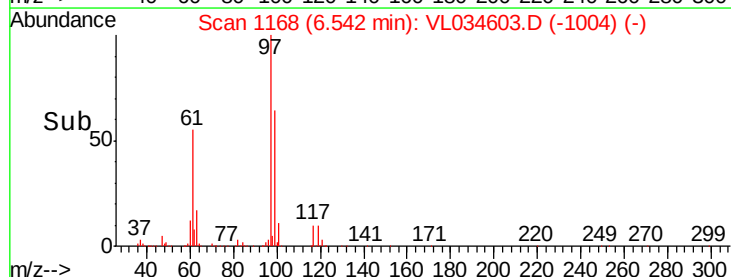
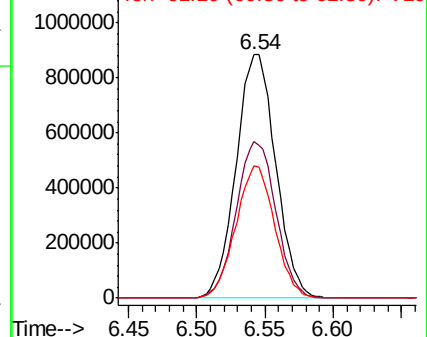
97 100

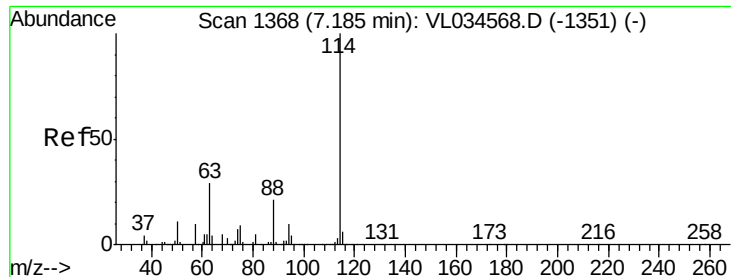
99 64.8 52.2 78.2

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

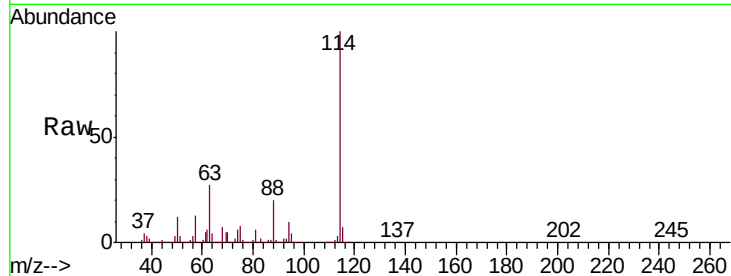




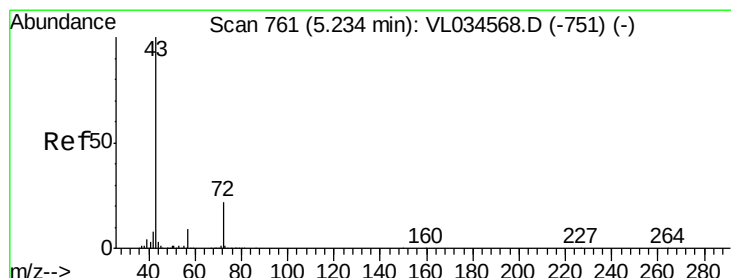
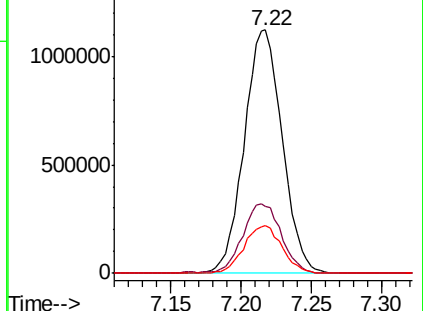
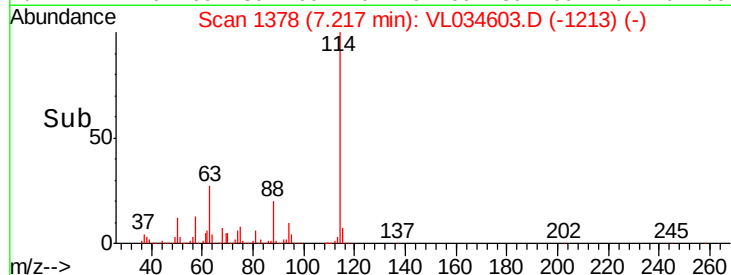
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

Instrument :
 MSVOA_L
 ClientSampled :

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

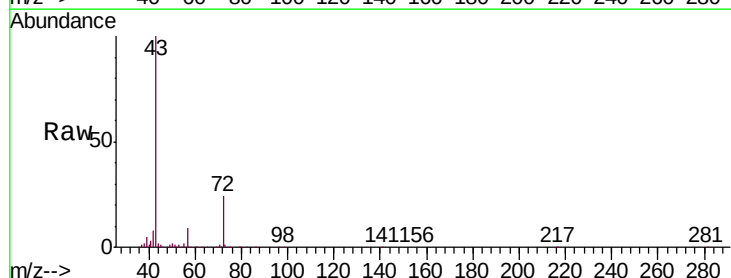


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

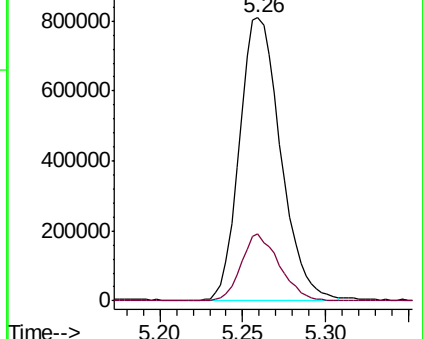
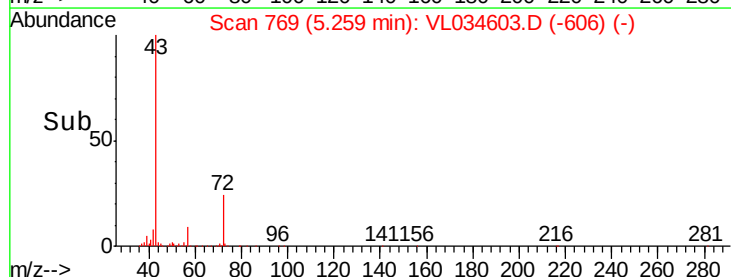


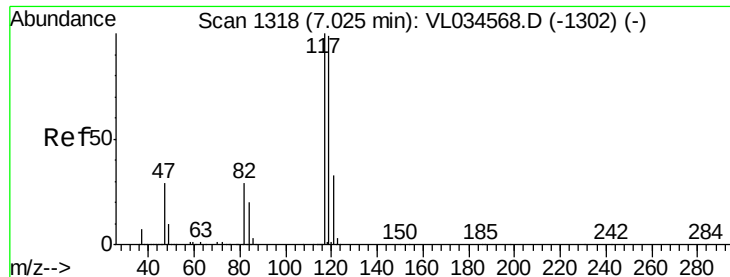
#34
 2-Butanone
 Concen: 9.084 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

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
 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 :

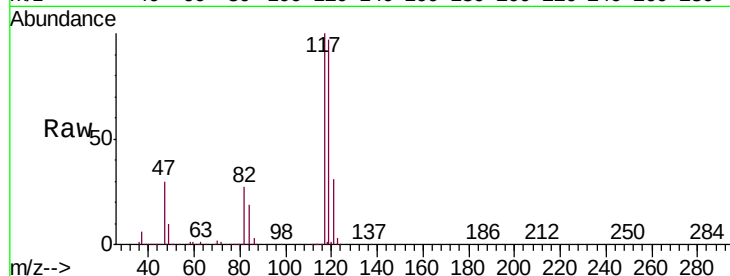
Tgt Ion:117 Resp: 1923482

Ion Ratio Lower Upper

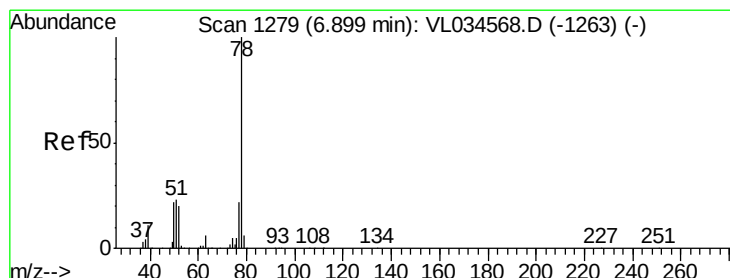
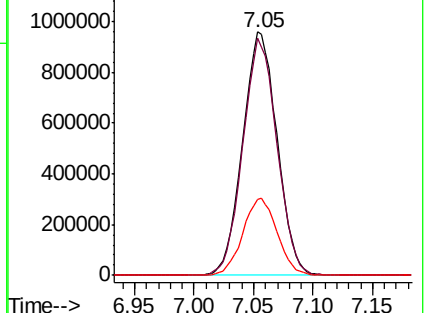
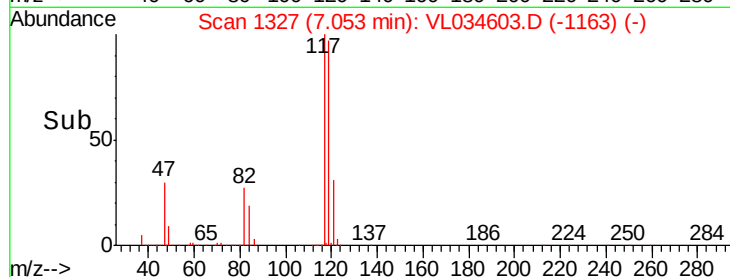
117 100

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

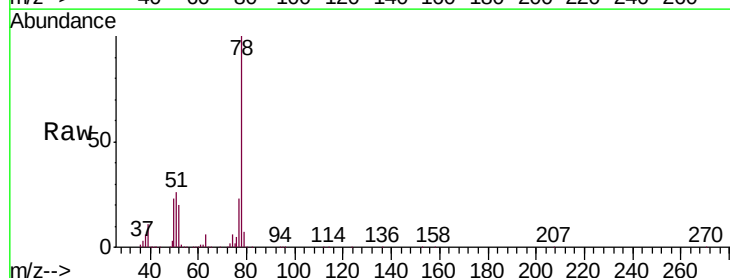
Tgt Ion: 78 Resp: 1785076

Ion Ratio Lower Upper

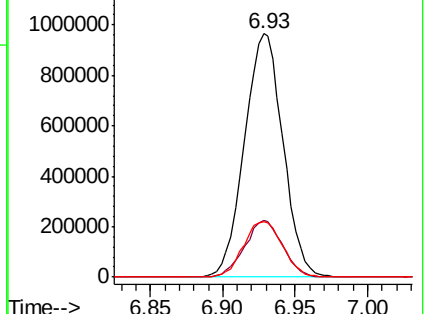
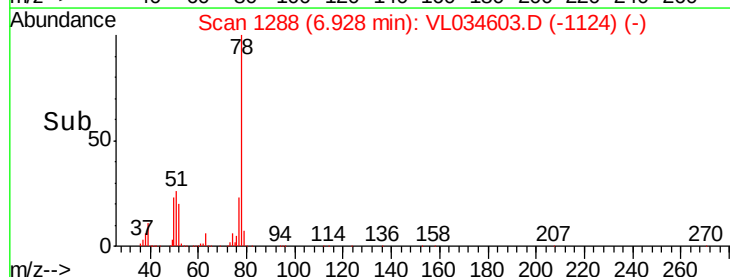
78 100

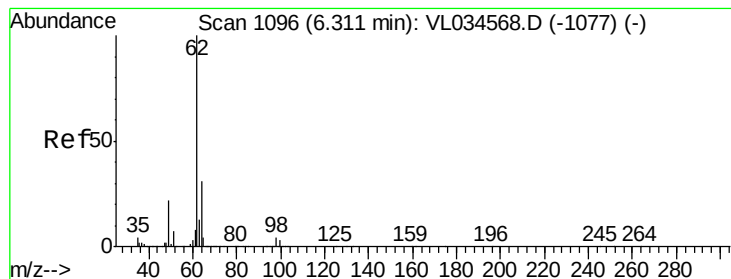
77 23.0 17.3 25.9

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

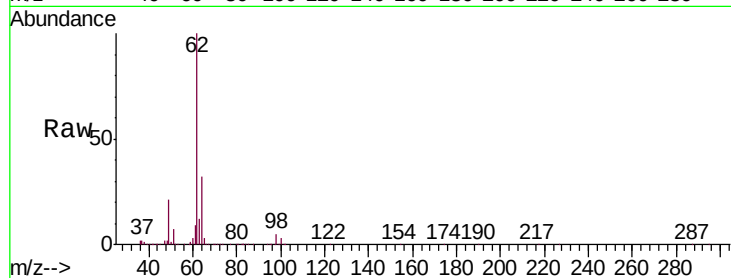
ClientSampleId :

Tgt 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

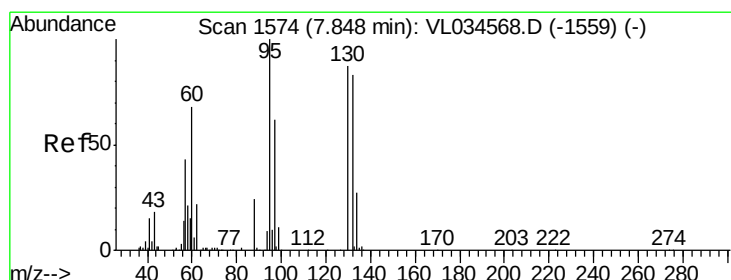
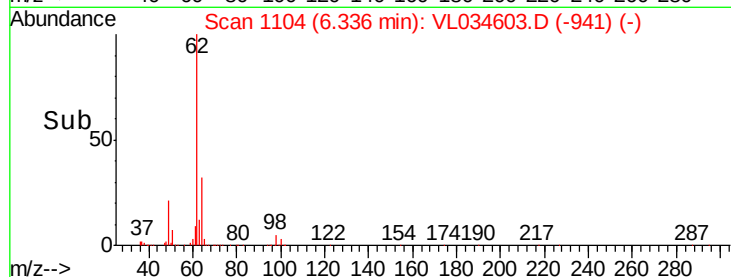
600000

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

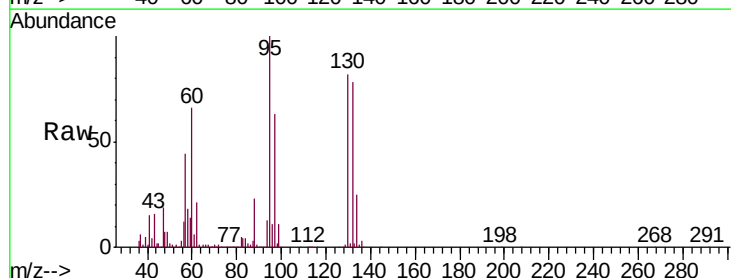
Ion Ratio Lower Upper

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

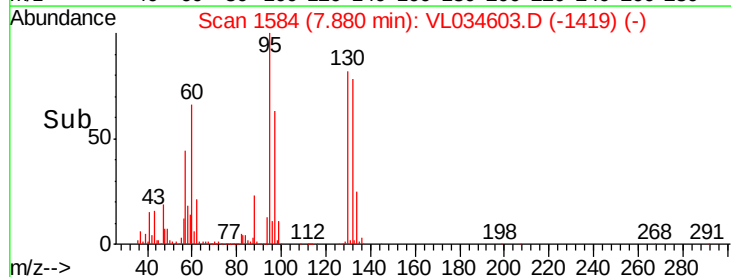
600000

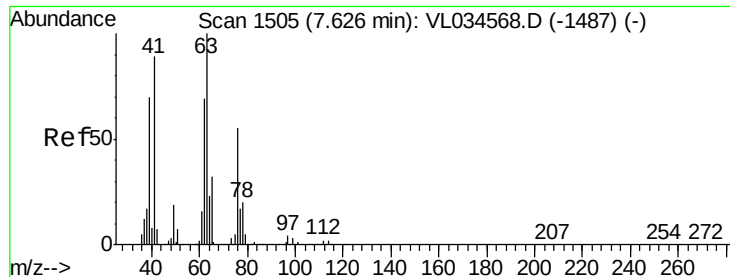
400000

200000

0

Time-->

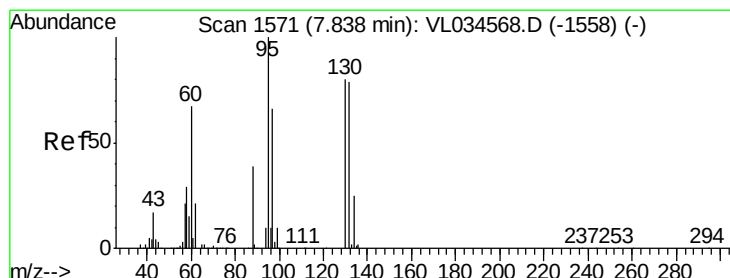
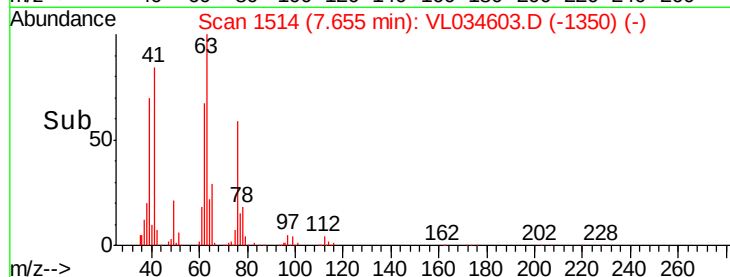
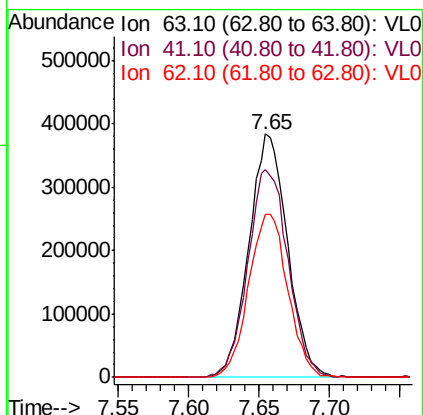
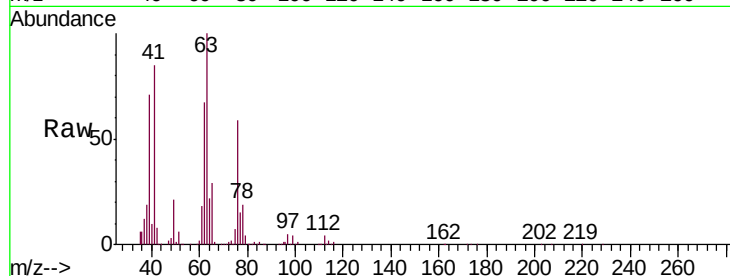




#39
 1,2-Dichloropropane
 Concen: 9.460 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.03 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

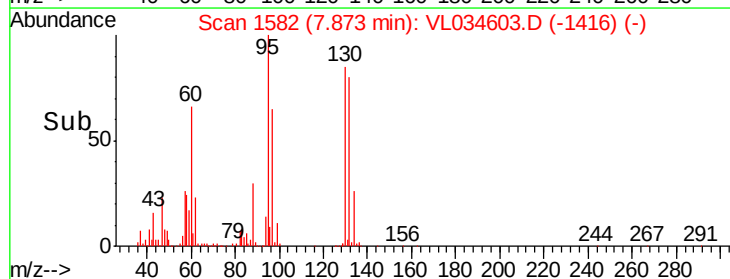
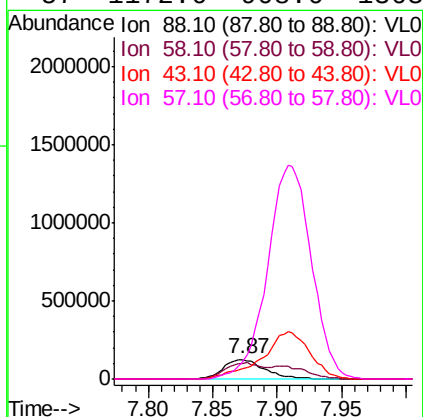
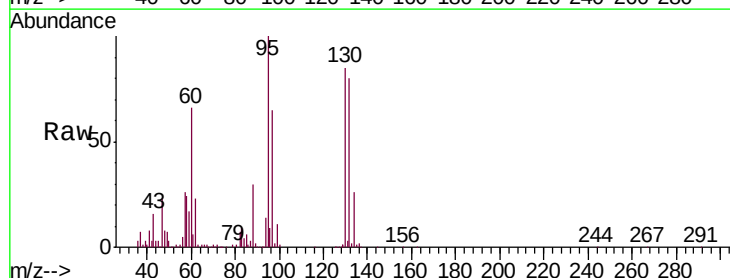
Instrument :
 MSVOA_L
 ClientSampleId :

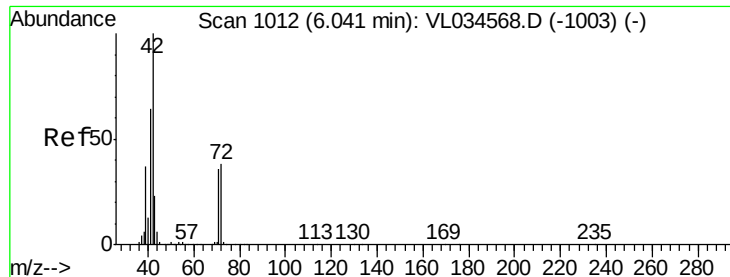
Tgt Ion: 63 Resp: 737362
 Ion Ratio Lower Upper
 63 100
 41 85.2 71.0 106.4
 62 66.9 55.4 83.0



#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

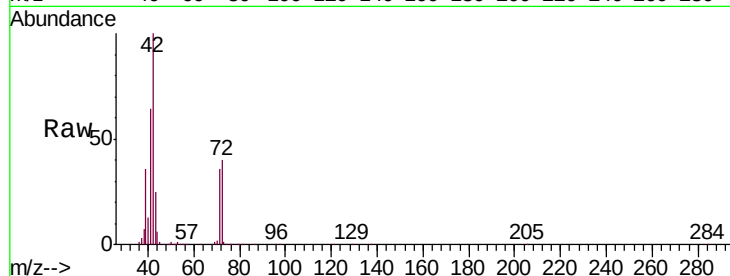




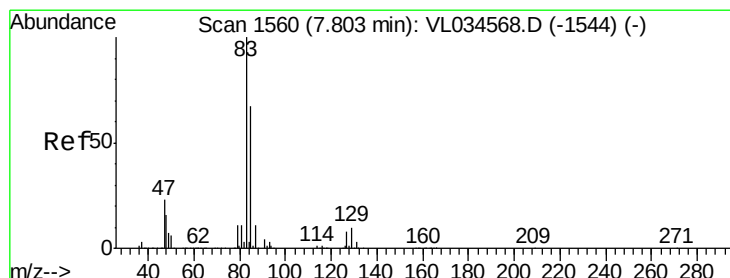
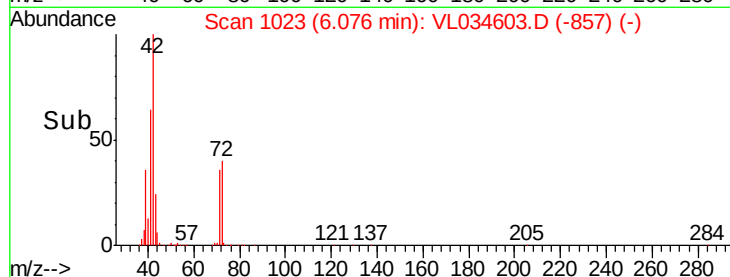
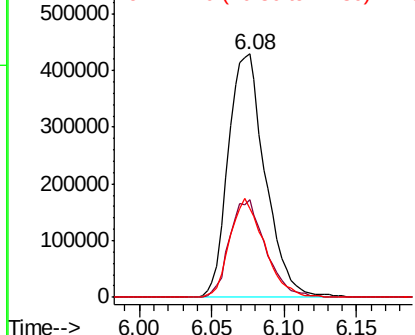
#41
Tetrahydrofuran
Concen: 9.506 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

Instrument :
MSVOA_L
ClientSampled :

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

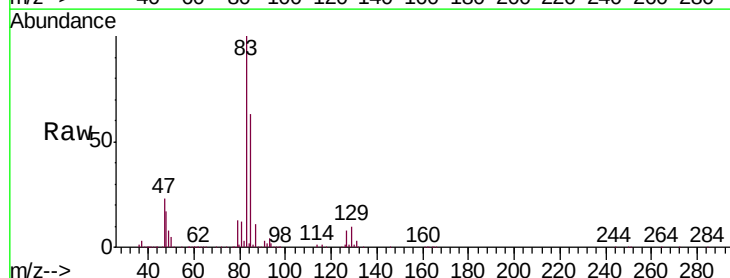


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

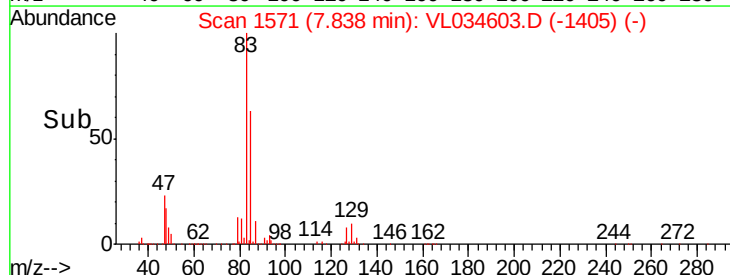
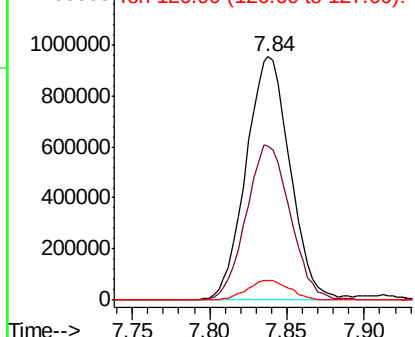


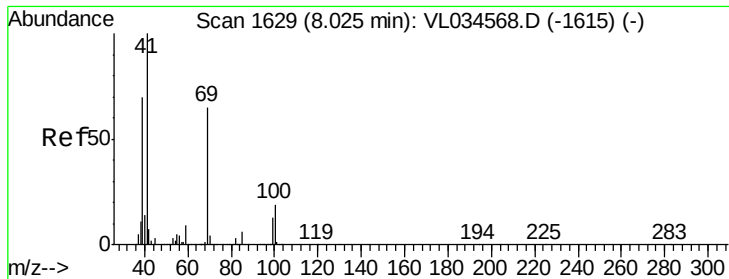
#42
Bromodichloromethane
Concen: 9.753 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

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



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

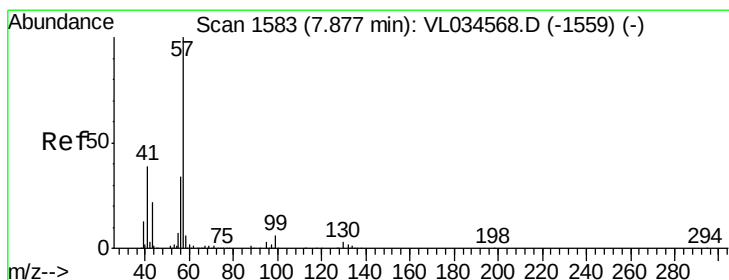
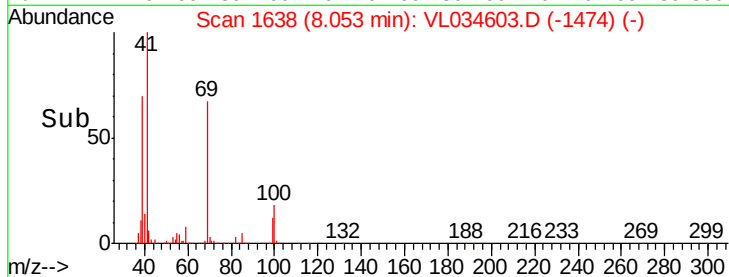
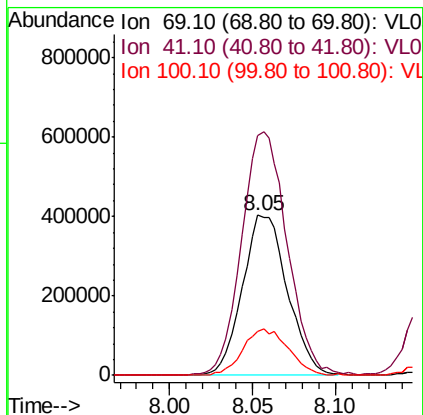
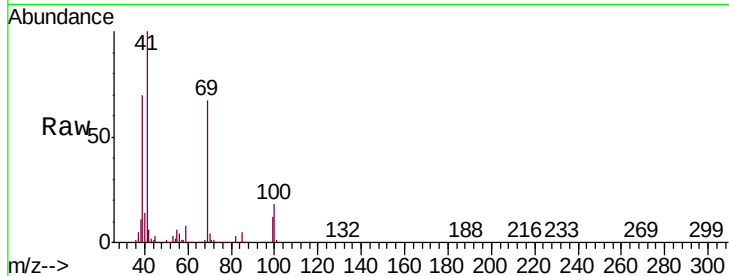




#43
Methyl Methacrylate
Concen: 10.052 ppbv
RT: 8.05 min Scan# 1638
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

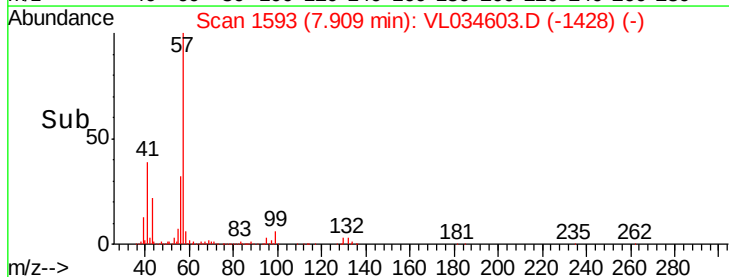
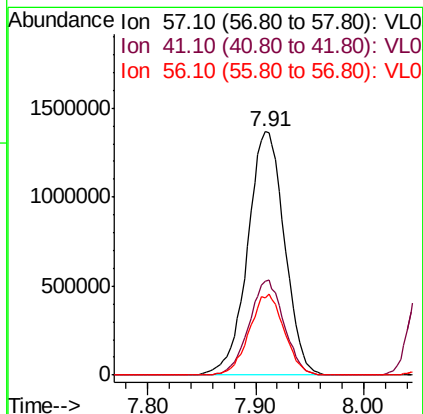
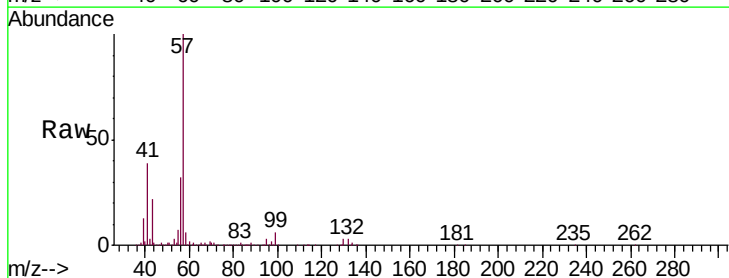
Instrument :
MSVOA_L
ClientSampleId :

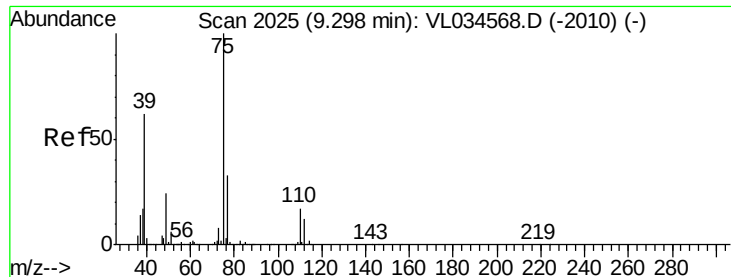
Tgt Ion: 69 Resp: 760236
Ion Ratio Lower Upper
69 100
41 154.2 123.9 185.9
100 29.5 24.1 36.1



#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

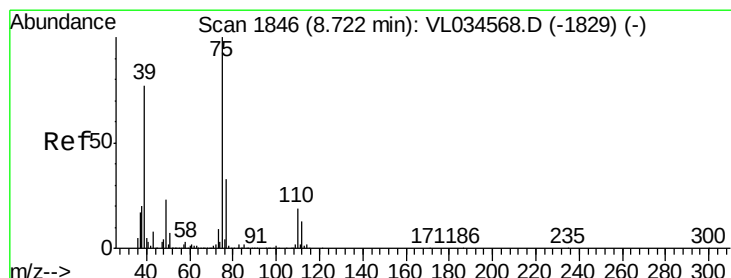
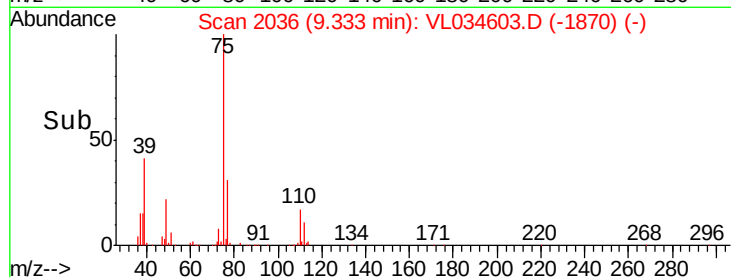
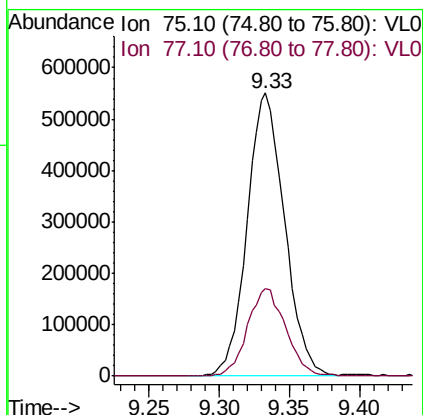
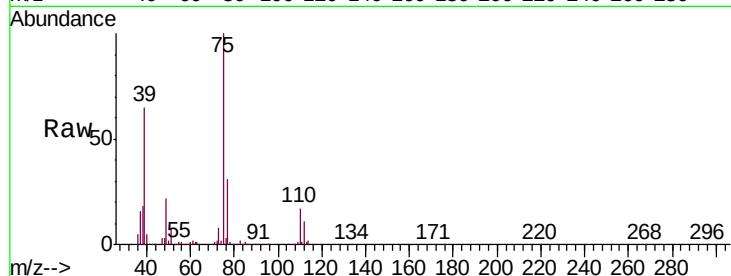




#45
 t-1,3-Dichloropropene
 Concen: 10.327 ppbv
 RT: 9.33 min Scan# 2036
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

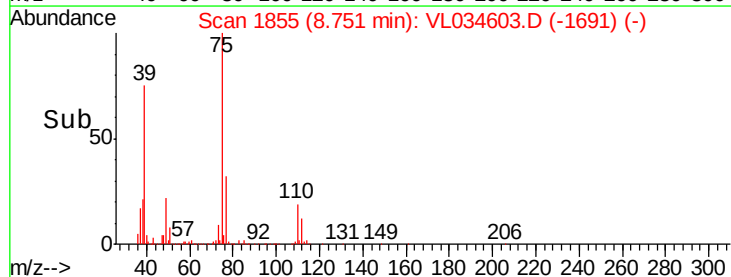
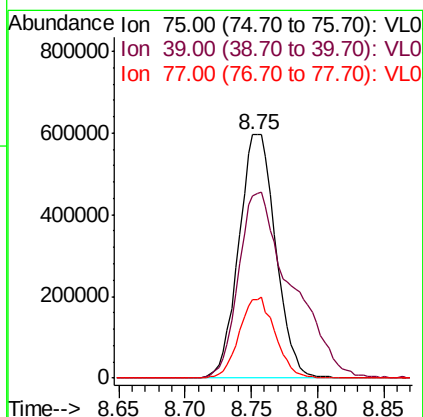
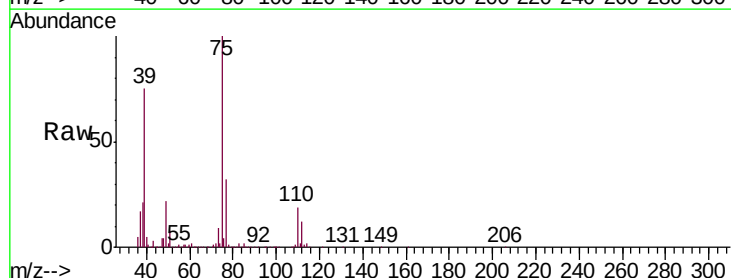
Instrument :
 MSVOA_L
 ClientSampleId :

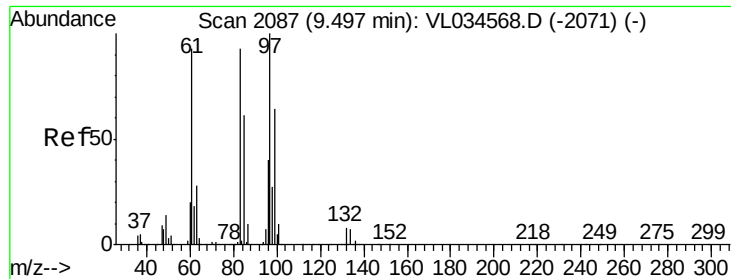
Tgt Ion: 75 Resp: 1022662
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.7 40.1



#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

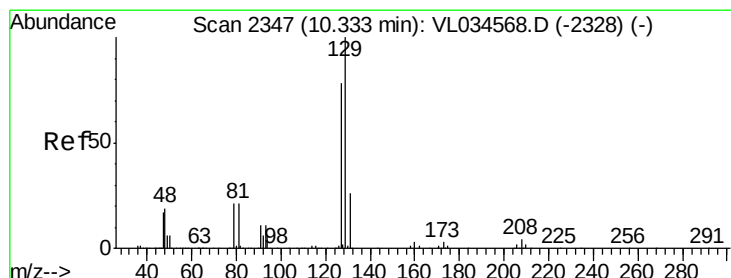
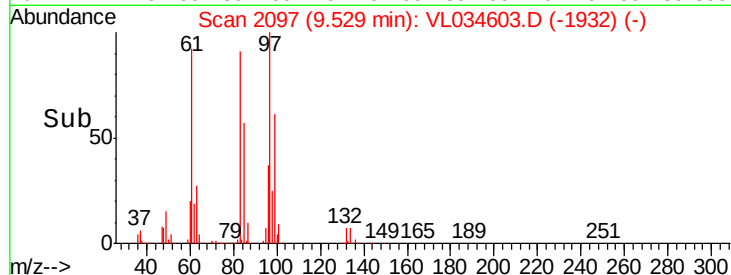
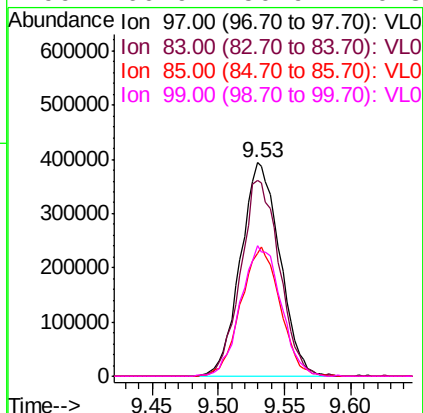
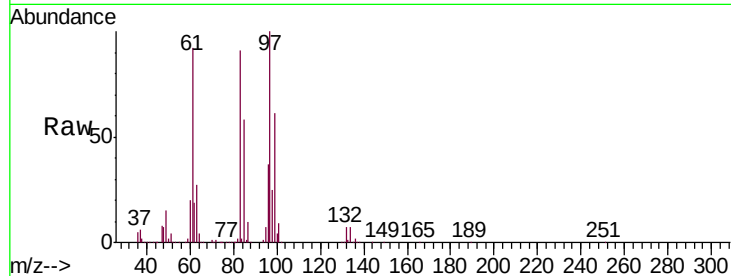
Delta R.T. 0.03 min

Lab File: VL034603.D

Acq: 6 Feb 2020 16:53

Instrument :
MSVOA_L
ClientSampleId :

Tgt 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



#48

Dibromochloromethane

Concen: 10.232 ppbv

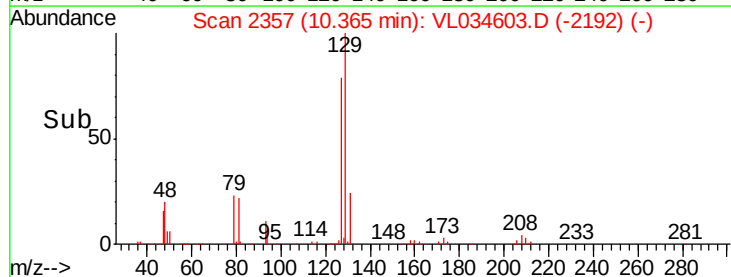
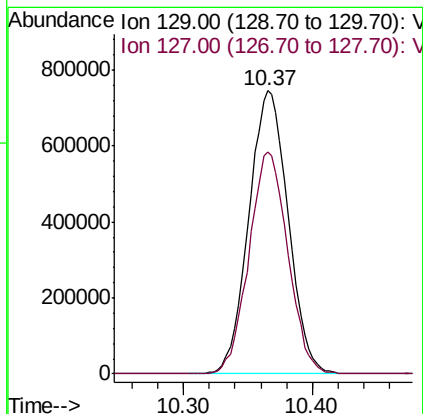
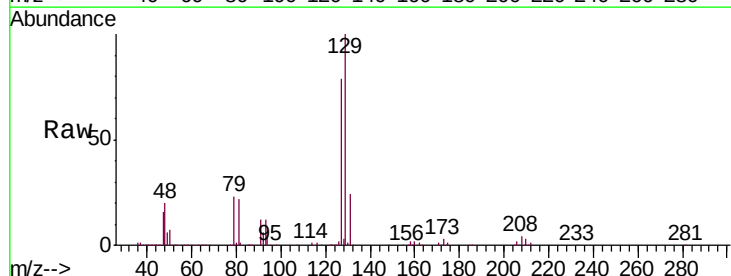
RT: 10.37 min Scan# 2357

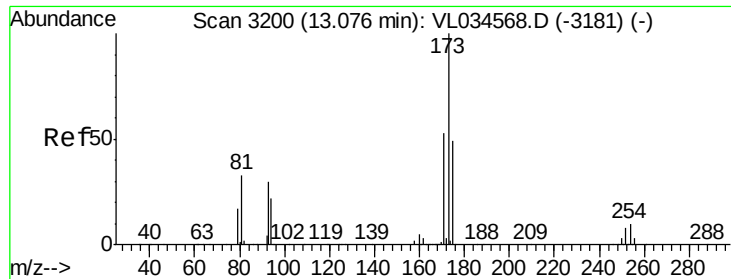
Delta R.T. 0.03 min

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





#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 :

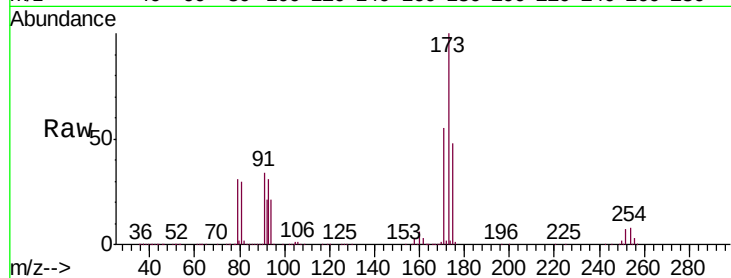
Tgt Ion:173 Resp: 1412733

Ion Ratio Lower Upper

173 100

175 50.3 39.7 59.5

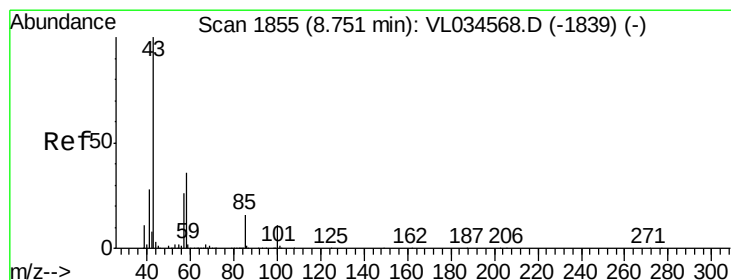
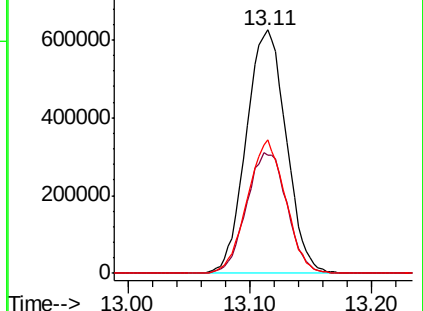
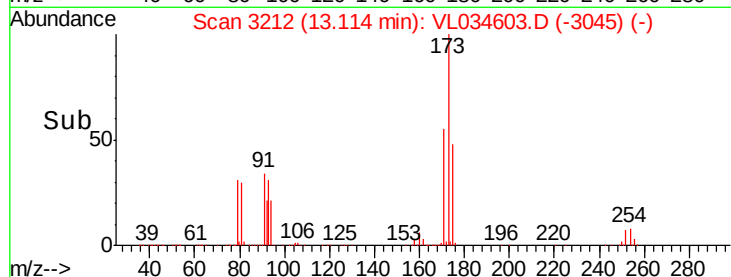
171 52.4 41.6 62.4



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

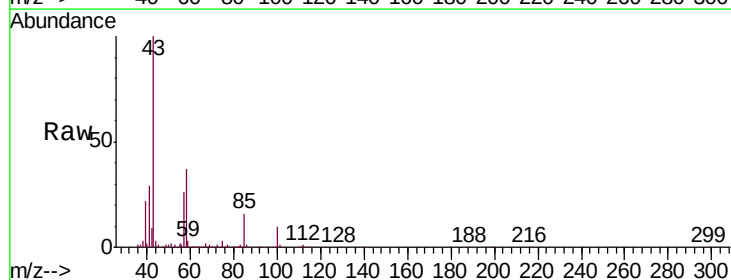
Acq: 6 Feb 2020 16:53

Tgt Ion: 43 Resp: 2121755

Ion Ratio Lower Upper

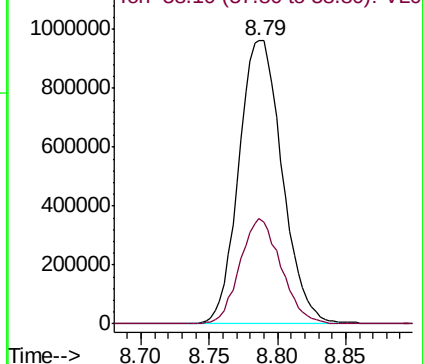
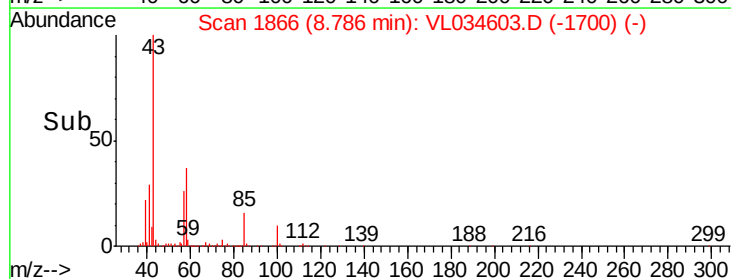
43 100

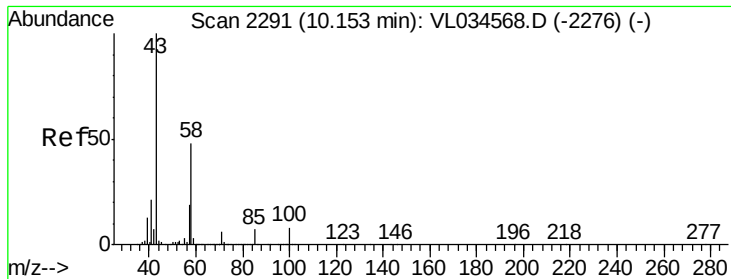
58 35.5 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

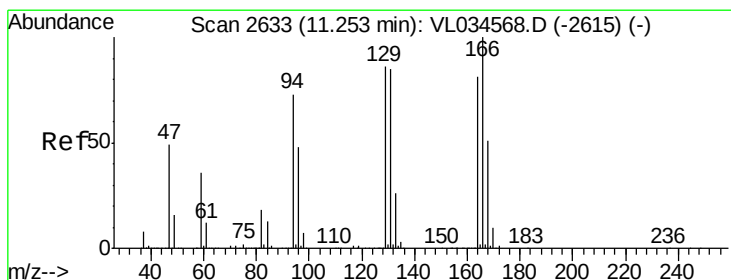
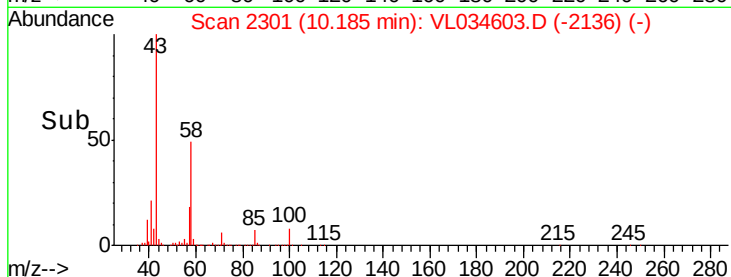
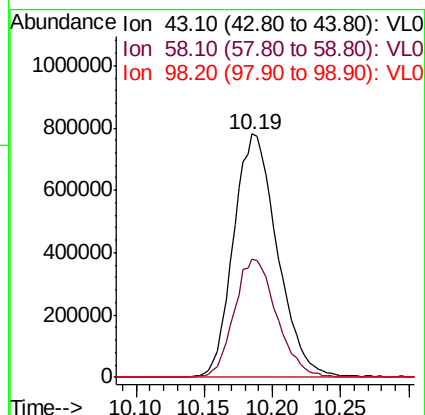
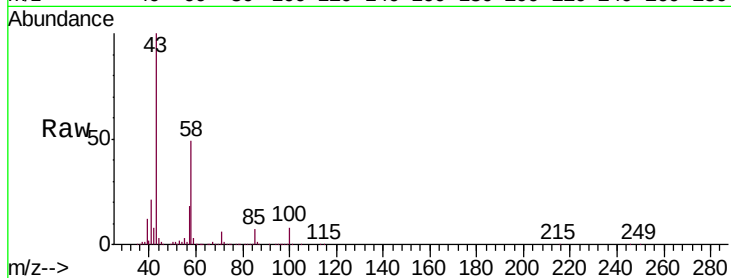




#51
2-Hexanone
Concen: 10.091 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.03 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

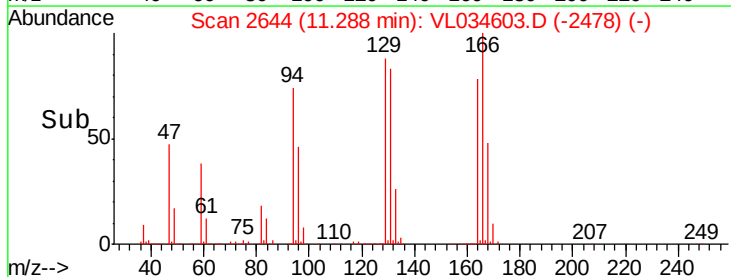
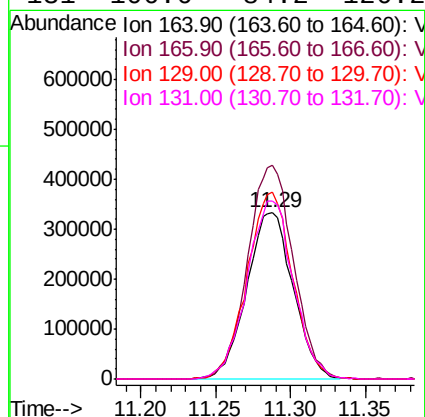
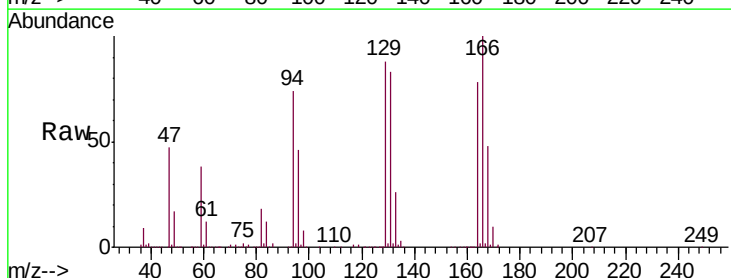
Instrument :
MSVOA_L
ClientSampled :

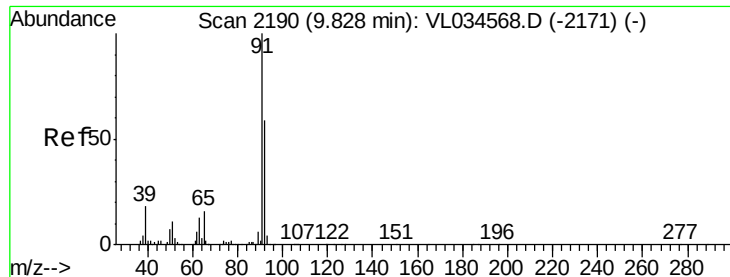
Tgt Ion: 43 Resp: 1739210
Ion Ratio Lower Upper
43 100
58 47.1 37.9 56.9
98 0.2 0.3 0.5#



#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

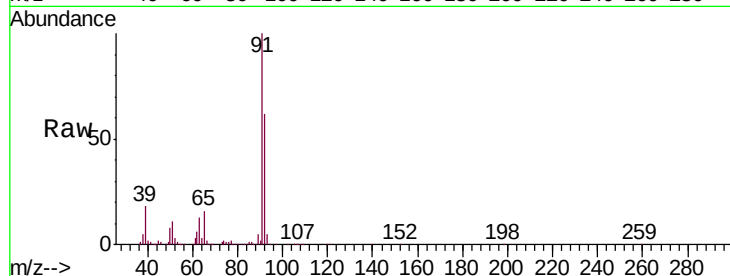
ClientSampled :

Tgt Ion: 91 Resp: 2122902

Ion Ratio Lower Upper

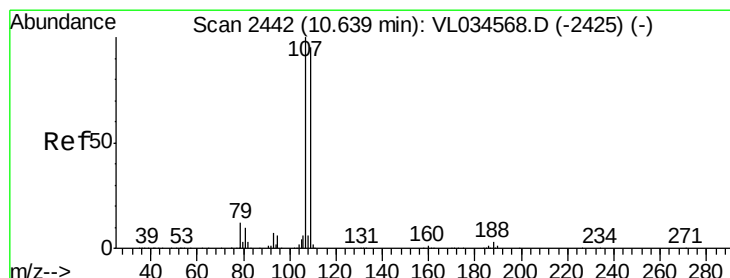
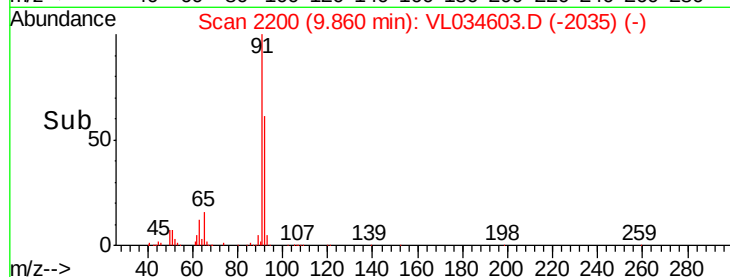
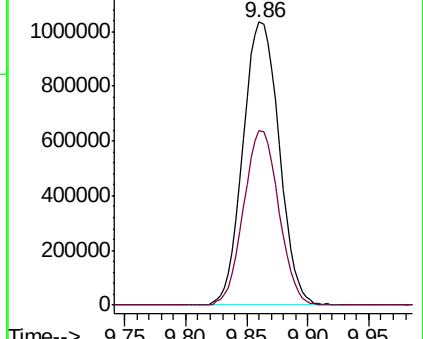
91 100

92 59.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): 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

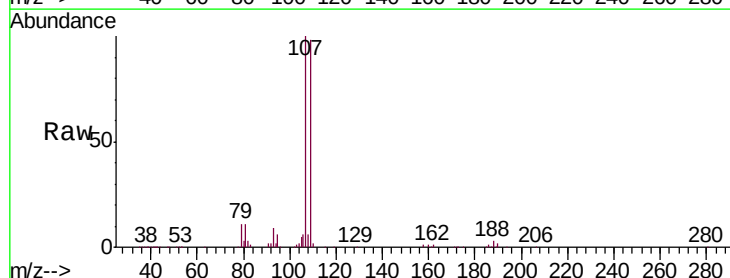
Acq: 6 Feb 2020 16:53

Tgt Ion: 107 Resp: 1290930

Ion Ratio Lower Upper

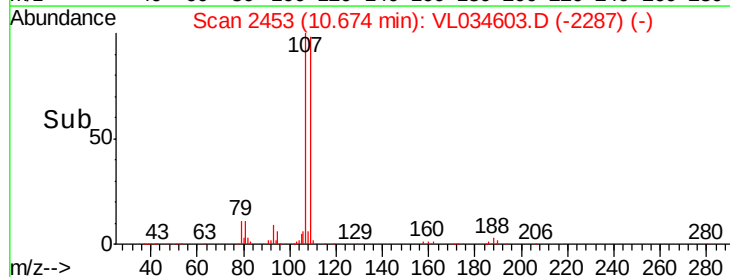
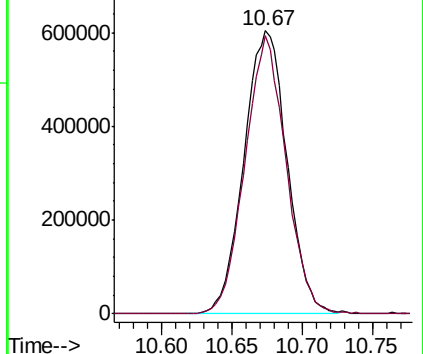
107 100

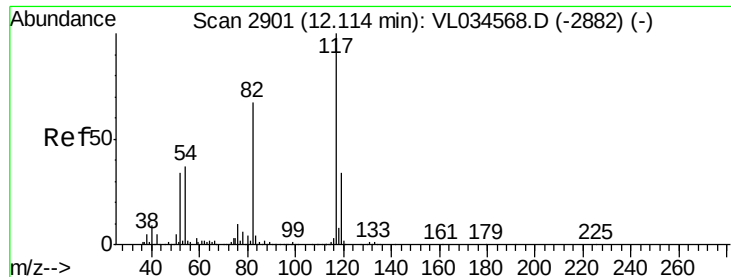
109 98.1 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

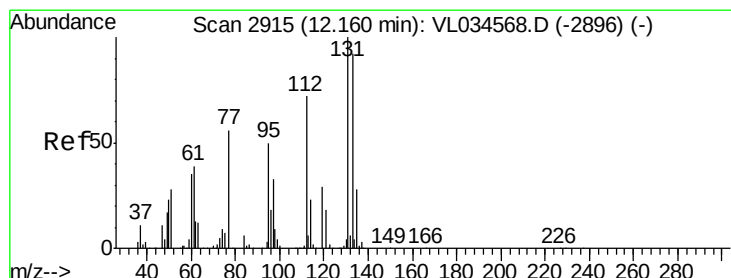
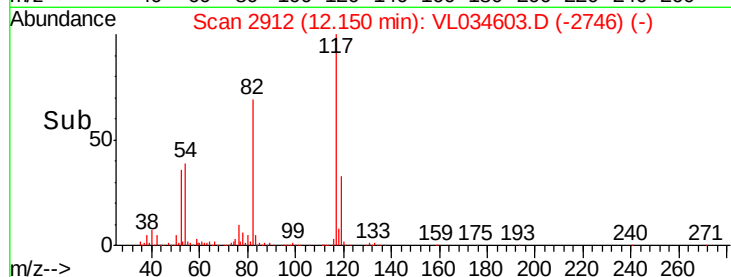
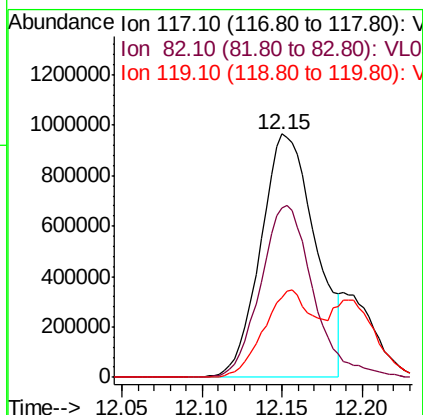
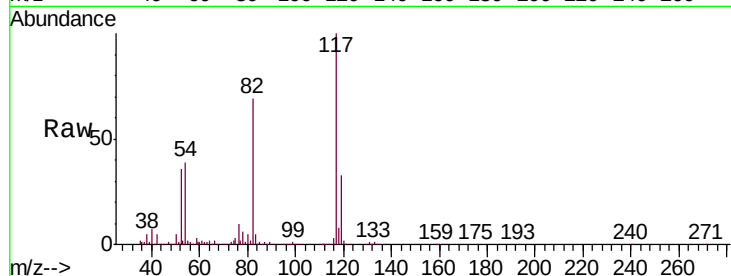




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.04 min
Lab File: VL034603.D
Acq: 6 Feb 2020 16:53

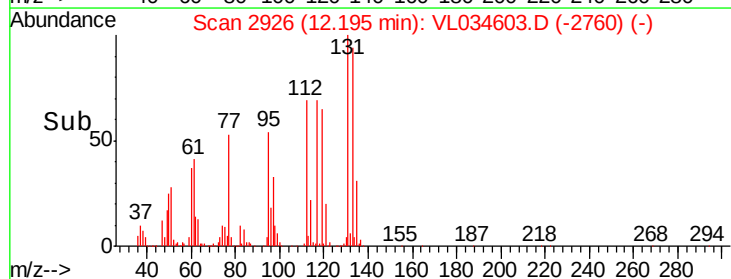
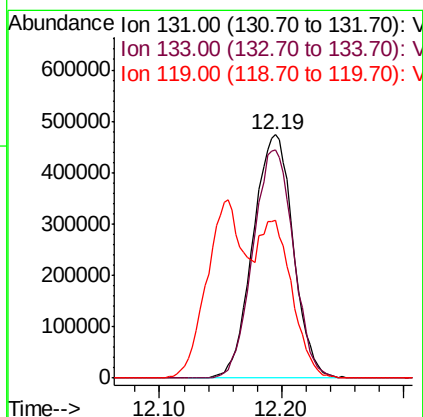
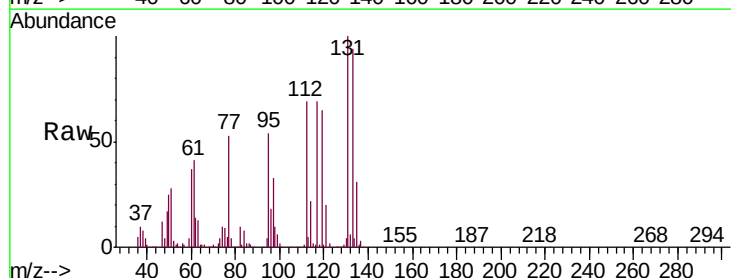
Instrument :
MSVOA_L
ClientSampleId :

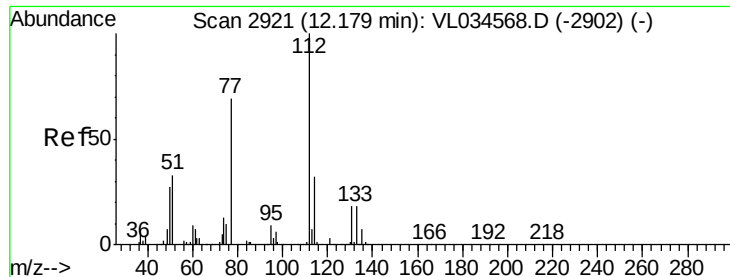
Tgt Ion:117 Resp: 2299398
Ion Ratio Lower Upper
117 100
82 68.0 54.2 81.4
119 34.6 26.1 39.1



#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 :

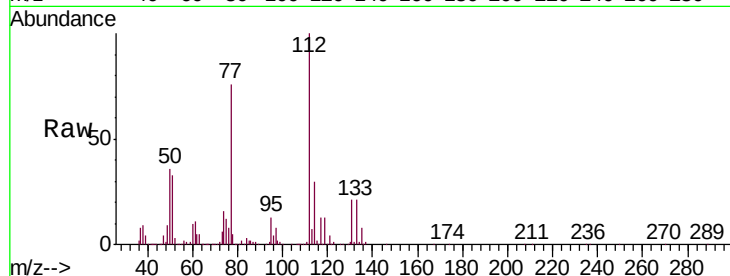
Tgt Ion: 112 Resp: 1703206

Ion Ratio Lower Upper

112 100

77 75.4 56.5 84.7

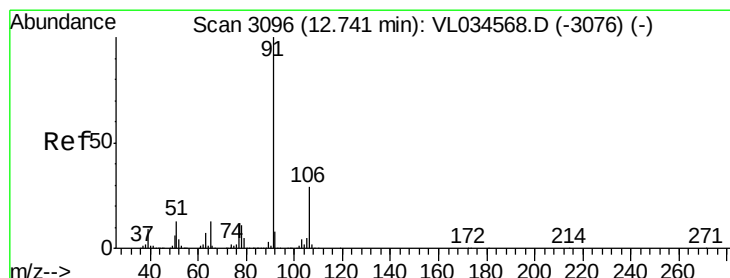
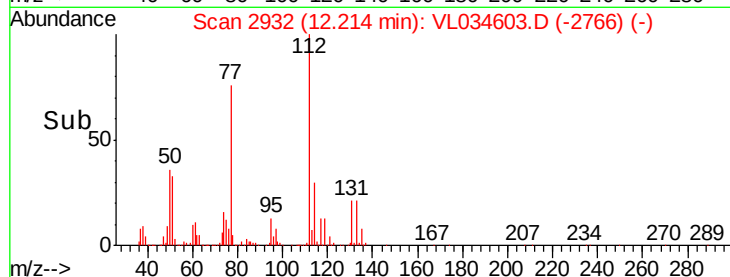
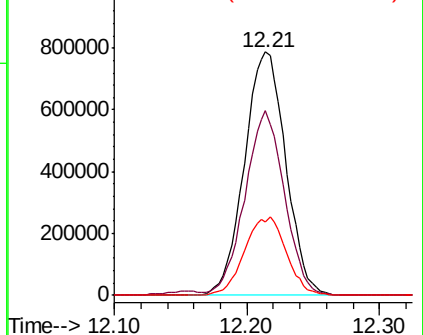
114 30.0 29.2 35.6



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

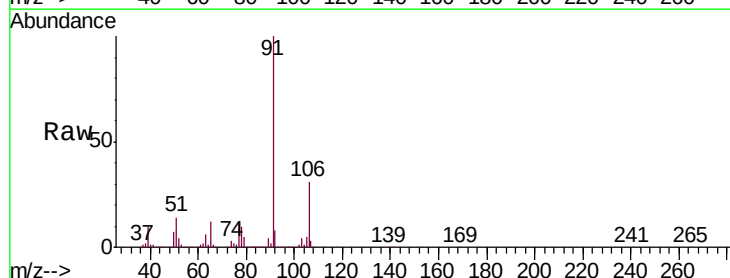
Acq: 6 Feb 2020 16:53

Tgt Ion: 91 Resp: 2988511

Ion Ratio Lower Upper

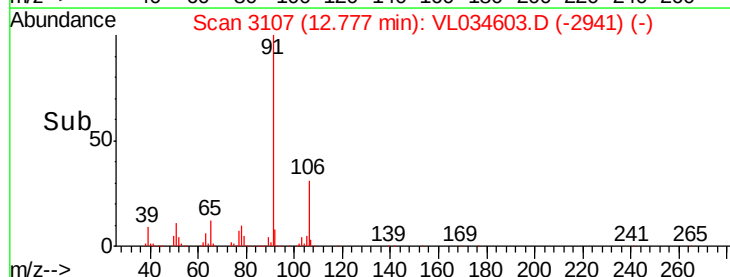
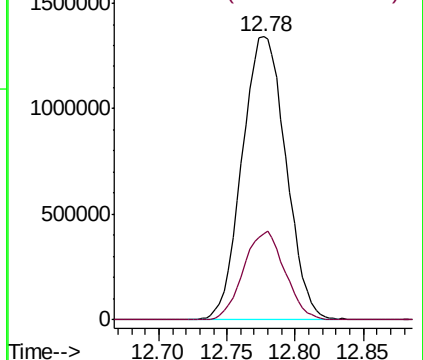
91 100

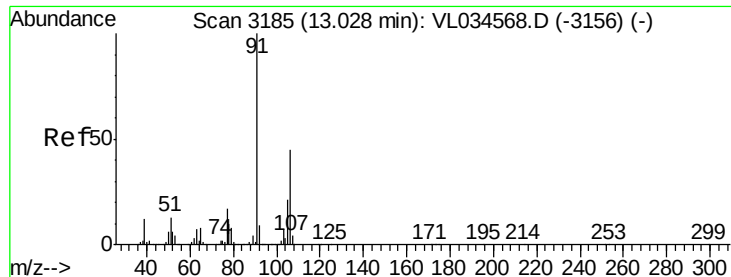
106 30.7 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.277 ppbv

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

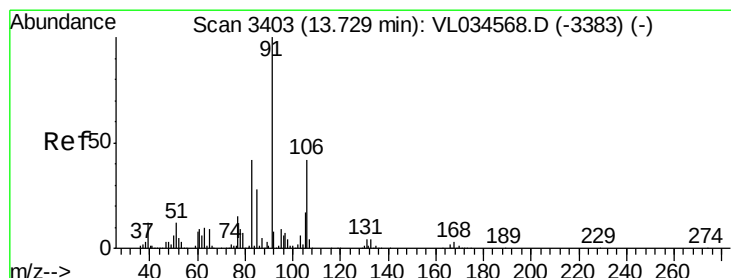
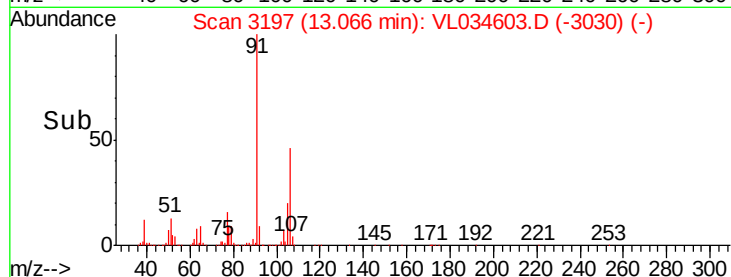
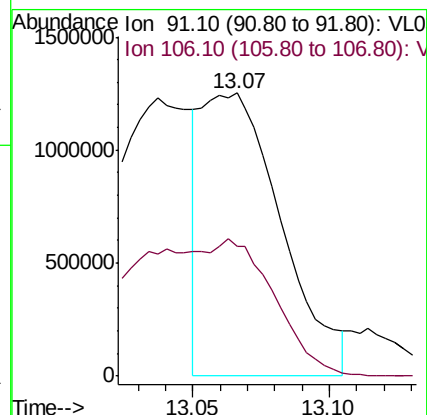
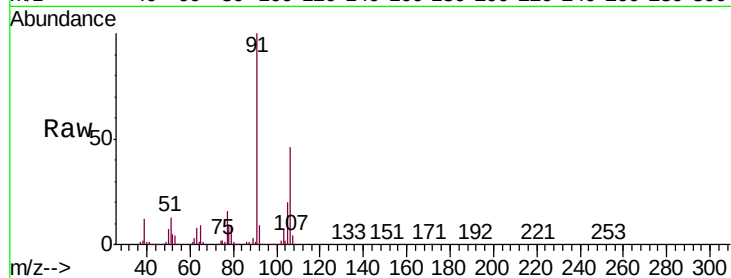
ClientSampled :

Tgt Ion: 91 Resp: 2523346

Ion Ratio Lower Upper

91 100

106 89.5 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

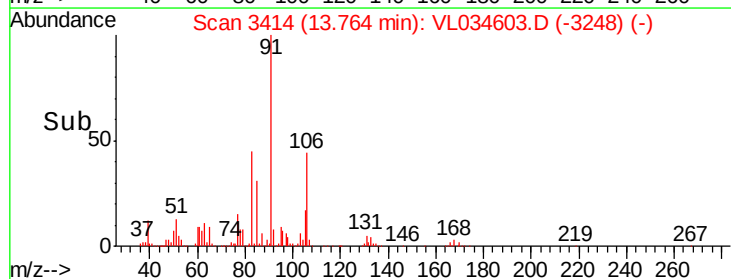
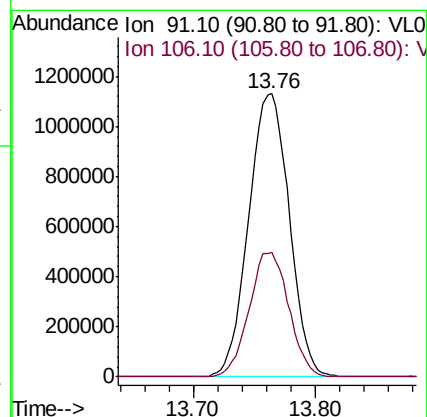
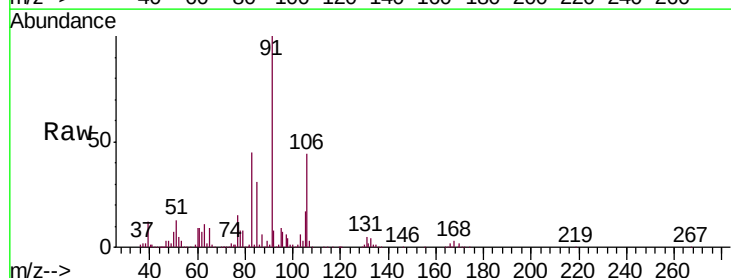
Acq: 6 Feb 2020 16:53

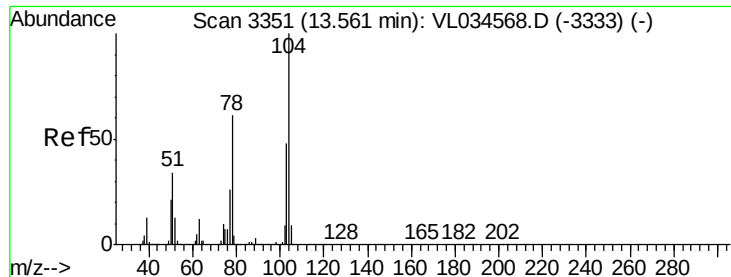
Tgt Ion: 91 Resp: 2599346

Ion Ratio Lower Upper

91 100

106 42.9 21.6 65.0





#61

Styrene

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 :

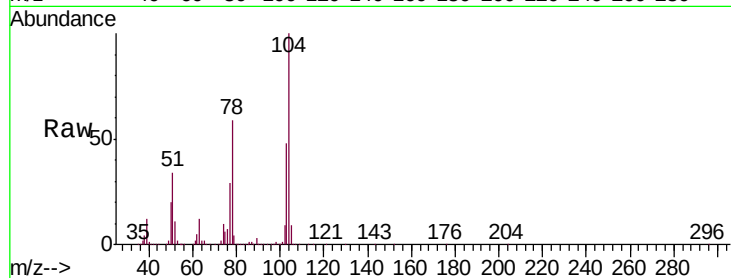
Tgt Ion:104 Resp: 1782923

Ion Ratio Lower Upper

104 100

78 60.9 47.0 70.6

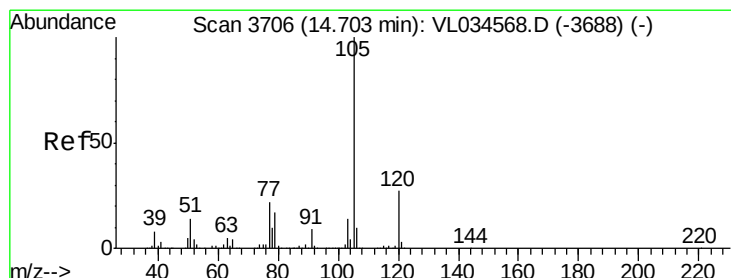
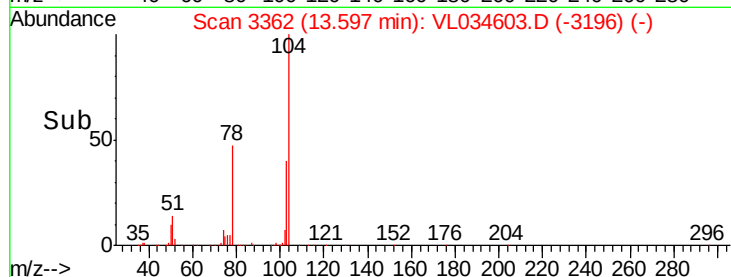
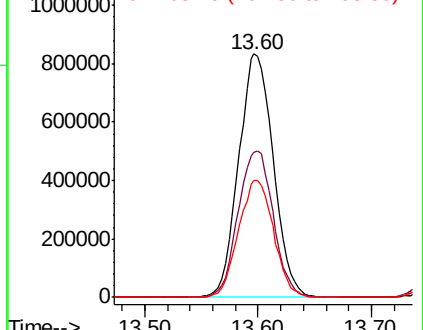
103 48.6 38.5 57.7



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

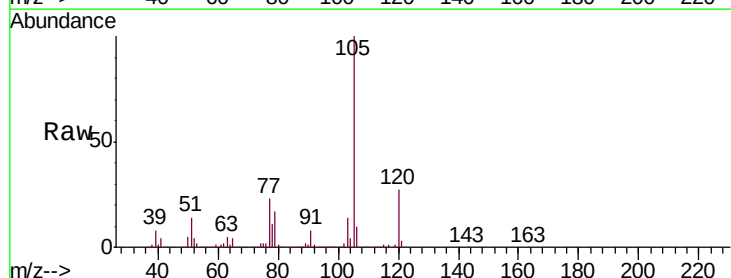
Acq: 6 Feb 2020 16:53

Tgt Ion:105 Resp: 3421834

Ion Ratio Lower Upper

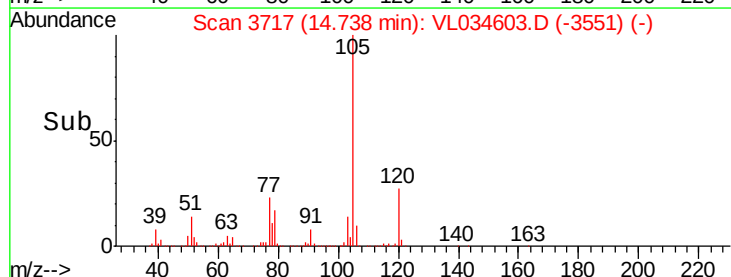
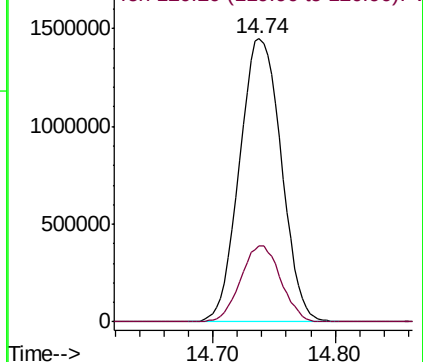
105 100

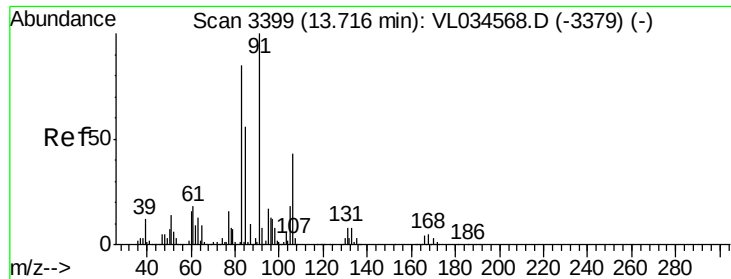
120 25.8 20.7 31.1



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 :

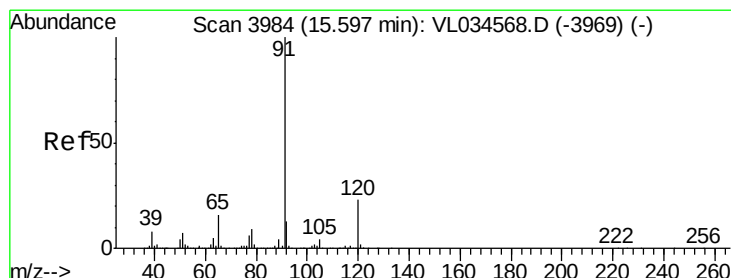
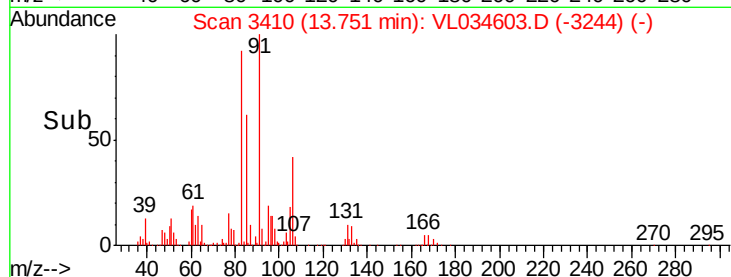
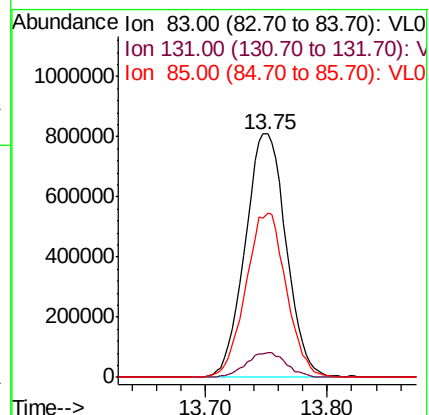
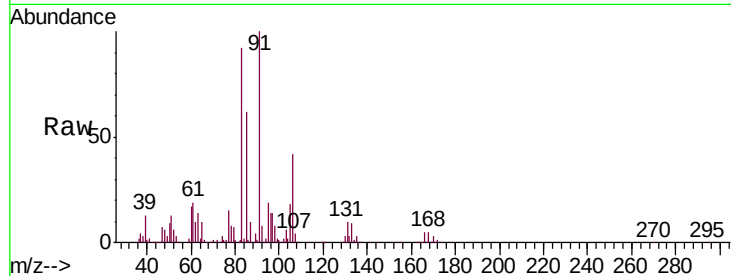
Tgt Ion: 83 Resp: 1876232

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

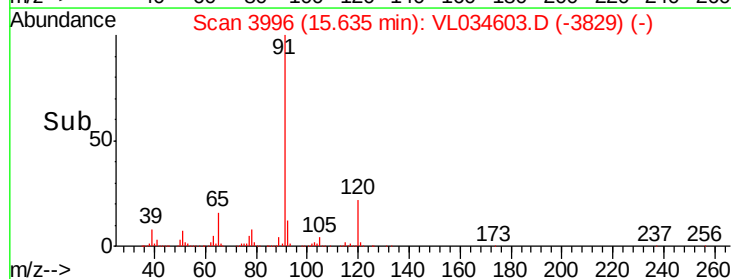
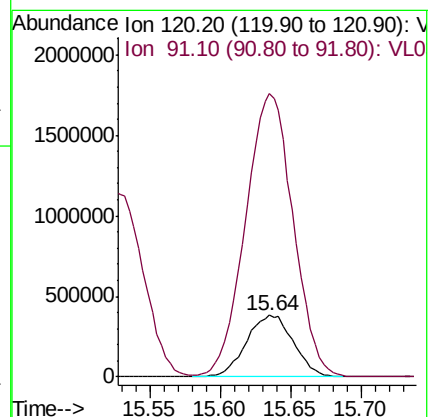
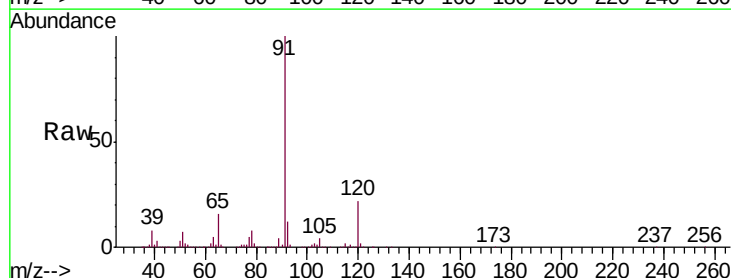
Acq: 6 Feb 2020 16:53

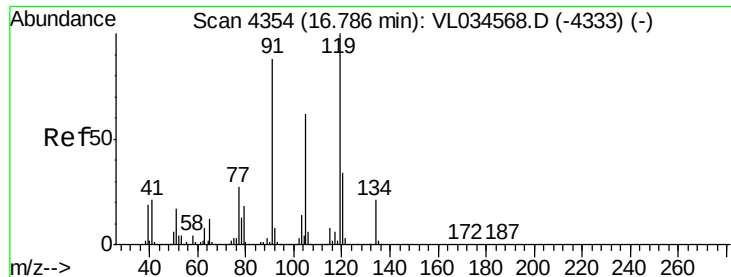
Tgt Ion: 120 Resp: 889294

Ion Ratio Lower Upper

120 100

91 467.9 365.3 547.9

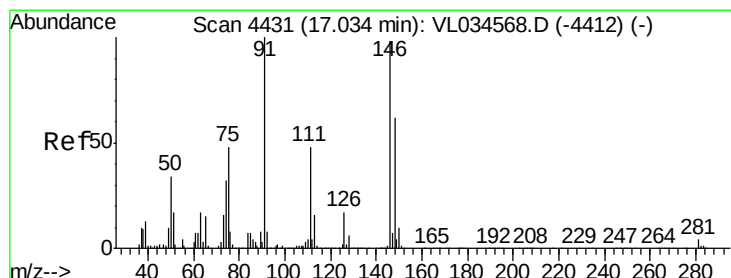
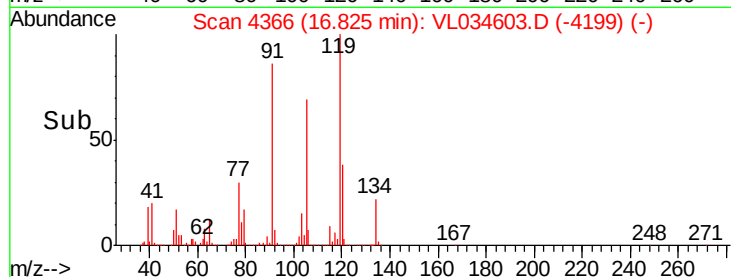
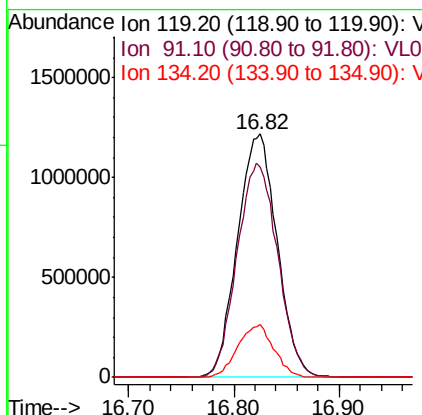
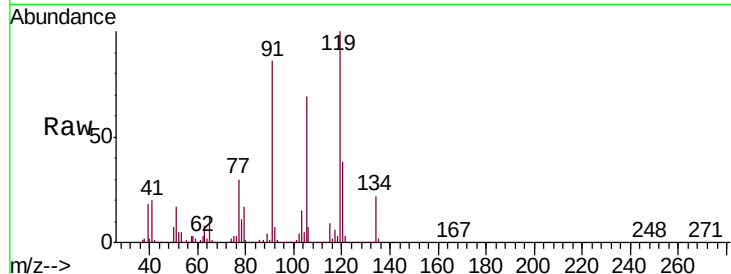




#65
 tert-Butylbenzene
 Concen: 9.907 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. 0.04 min
 Lab File: VL034603.D
 Acq: 6 Feb 2020 16:53

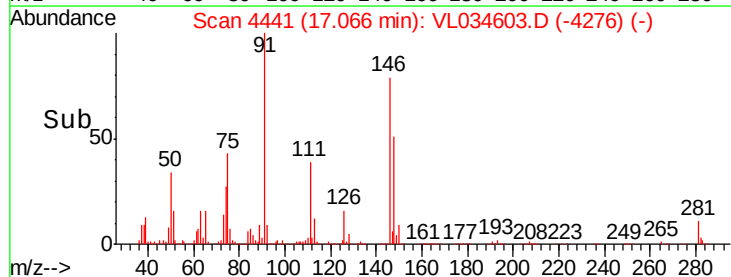
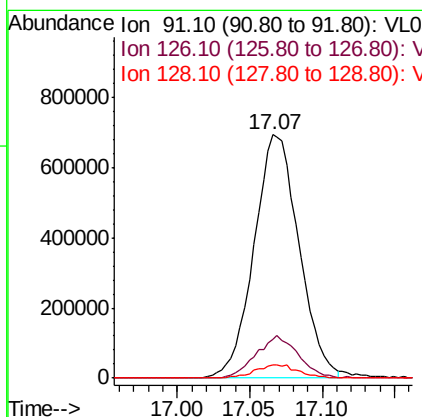
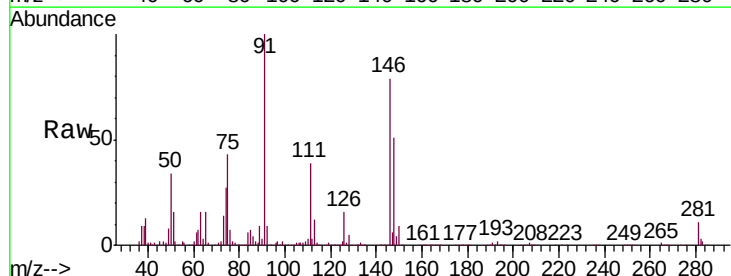
Instrument :
 MSVOA_L
 ClientSampleId :

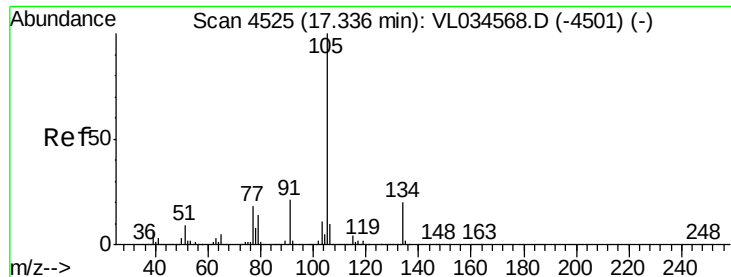
Tgt Ion: 119 Resp: 3177284
 Ion Ratio Lower Upper
 119 100
 91 90.6 72.2 108.4
 134 19.7 15.9 23.9



#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





#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

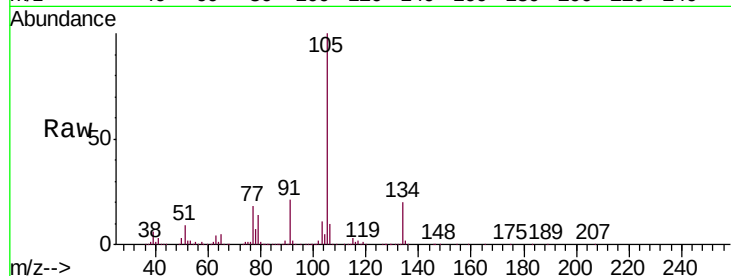
ClientSampleId :

Tgt Ion:105 Resp: 4319494

Ion Ratio Lower Upper

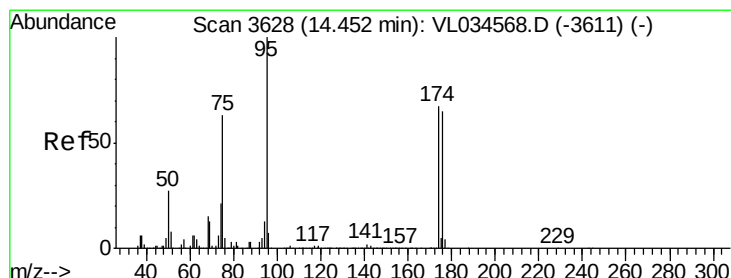
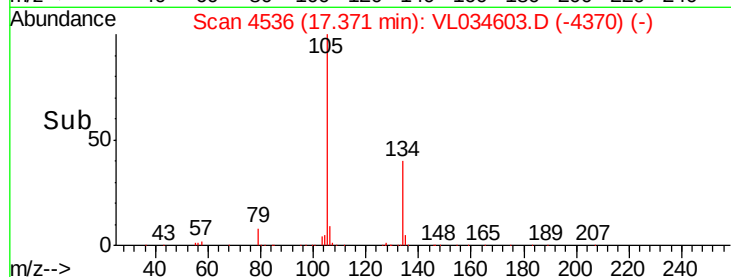
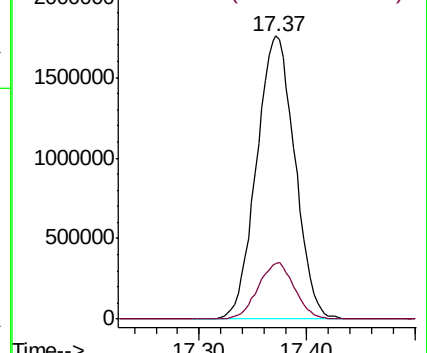
105 100

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



#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

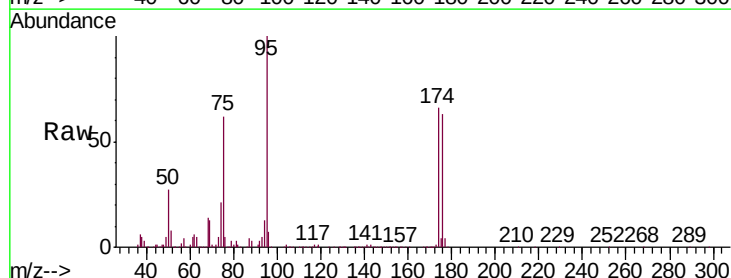
Tgt Ion: 95 Resp: 1896986

Ion Ratio Lower Upper

95 100

174 64.7 52.3 78.5

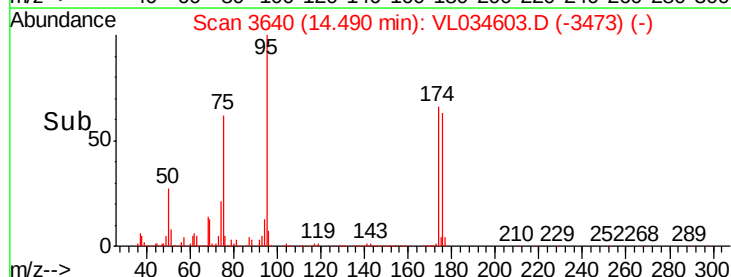
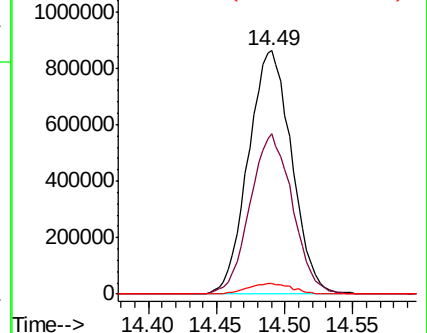
175 4.5 3.8 5.6

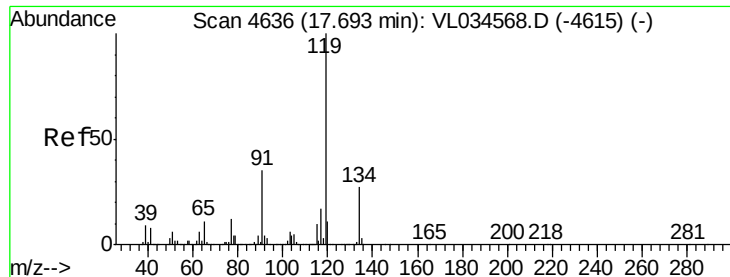


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#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 :

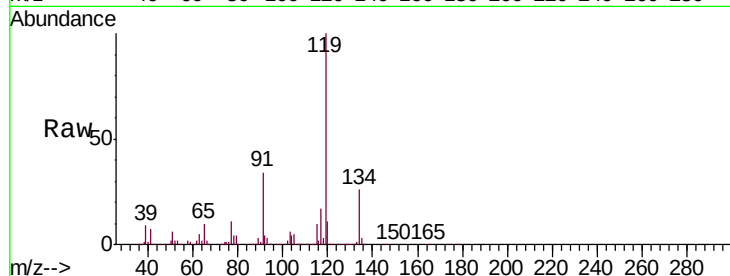
Tgt Ion: 119 Resp: 3604893

Ion Ratio Lower Upper

119 100

134 25.8 20.7 31.1

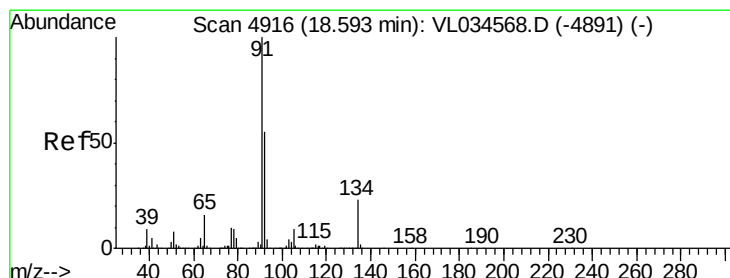
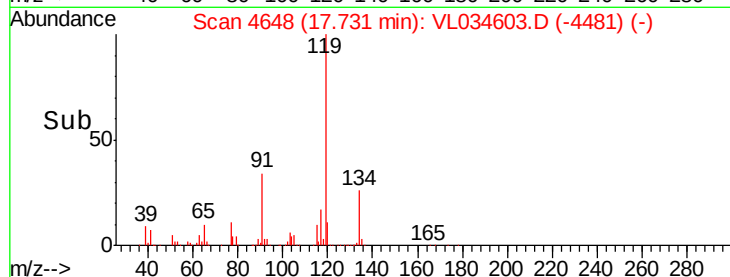
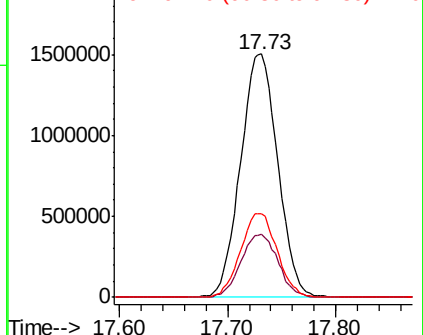
91 34.0 26.9 40.3



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

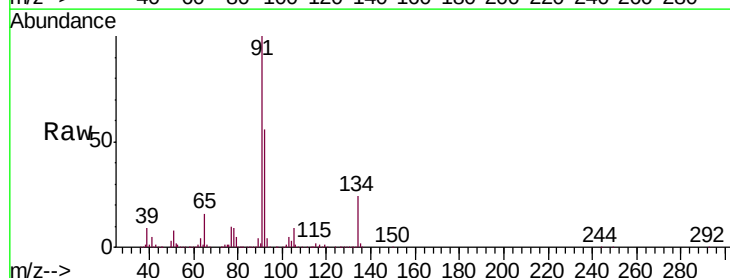
Tgt Ion: 91 Resp: 3788547

Ion Ratio Lower Upper

91 100

92 53.9 43.6 65.4

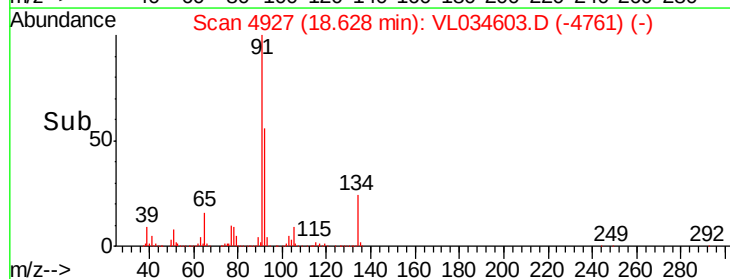
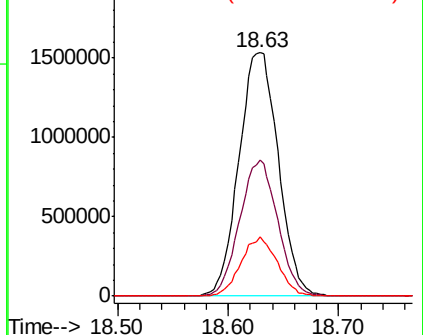
134 22.5 18.2 27.4

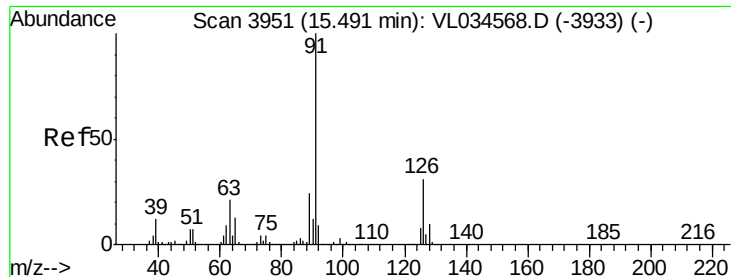


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

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

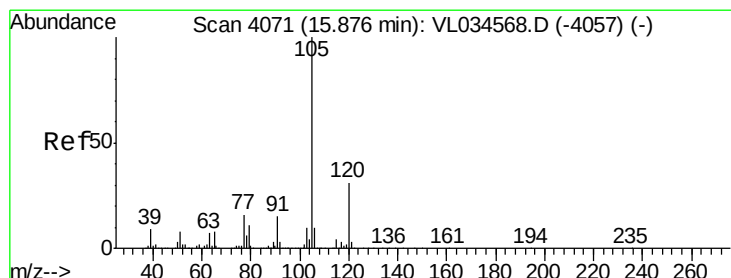
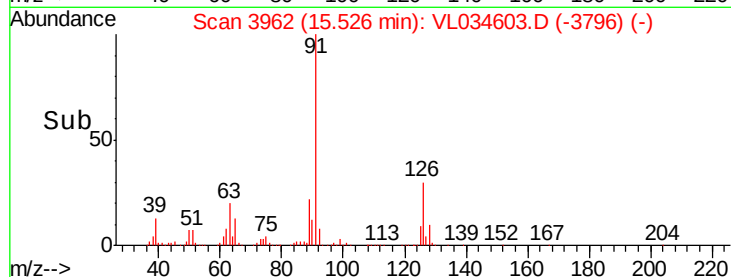
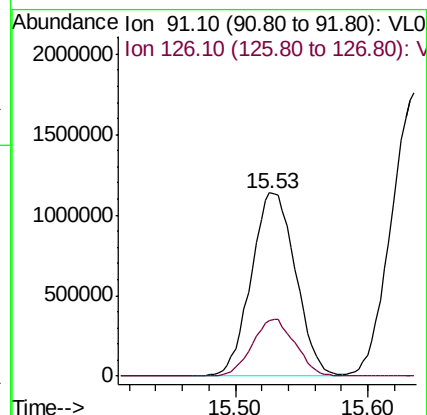
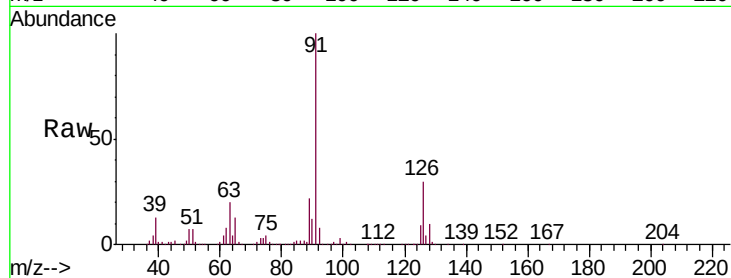
ClientSampleId :

Tgt 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

