

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031962.D
 Acq On : 3 May 2018 12:44
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 03 13:41:36 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 12:00:23 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1277301	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2641146	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2594115	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.72	95	1994080	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.16	85	144590	0.549 ppbv	97
3) Chlorodifluoromethane	3.10	51	132199	0.890 ppbv	95
4) Chloromethane	3.26	50	68480	0.903 ppbv	89
5) Vinyl Chloride	3.38	62	70019	0.820 ppbv	91
6) Bromomethane	3.61	94	50333	0.897 ppbv	92
7) Chloroethane	3.69	64	17253	0.507 ppbv #	82
8) Dichlorotetrafluoroethane	3.31	85	175215	0.810 ppbv	99
9) Propene	3.12	41	44960	0.875 ppbv	99
10) Heptane	8.38	43	158173	0.949 ppbv	98
11) Trichlorofluoromethane	4.11	101	246954	0.956 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.66	101	154699	0.922 ppbv	91
13) Ethanol	3.75	45	18939	1.086 ppbv	89
14) Bromoethene	3.88	108	34284	0.542 ppbv #	32
15) Acetone	4.01	43	234493	1.193 ppbv	100
16) 1,3-Butadiene	3.45	39	57168	0.786 ppbv #	77
17) tert-Butyl alcohol	4.47	59	49916	0.614 ppbv #	72
18) 1,1-Dichloroethene	4.46	96	70588	0.979 ppbv	83
19) Isopropyl Alcohol	4.13	45	121598	1.107 ppbv #	96
20) Methylene Chloride	4.52	84	68735	0.960 ppbv	90
21) Allyl Chloride	4.59	41	104736	0.933 ppbv	97
22) trans-1,2-Dichloroethene	5.07	96	71063	0.951 ppbv	94
23) Vinyl Acetate	5.27	43	229997	1.154 ppbv	97
24) 1,1-Dichloroethane	5.21	63	211690	1.066 ppbv	97
25) Ethyl Acetate	5.89	43	333180	1.087 ppbv	99
26) Hexane	5.90	57	155294	1.086 ppbv	97
27) Carbon Disulfide	4.73	76	170882	0.921 ppbv #	89
28) Methyl tert-Butyl Ether	5.23	73	194300	1.105 ppbv	99
29) Chloroform	5.97	83	249446	1.029 ppbv	98
30) Cyclohexane	7.38	84	95651	0.937 ppbv #	66
31) cis-1,2-Dichloroethene	5.76	61	138856	1.072 ppbv	96
32) 1,1,1-Trichloroethane	6.75	97	212756	0.901 ppbv	99
34) 2-Butanone	5.45	43	245661	1.341 ppbv	99
35) Carbon Tetrachloride	7.27	117	208604	0.909 ppbv	94
36) Benzene	7.13	78	252146	1.061 ppbv	97
37) 1,2-Dichloroethane	6.54	62	201987	1.143 ppbv #	94
38) Trichloroethene	8.09	130	103103	1.069 ppbv	91
39) 1,2-Dichloropropane	7.87	63	91466	1.036 ppbv	95
40) 1,4-Dioxane	8.11	88	17493	0.488 ppbv #	1
41) Tetrahydrofuran	6.29	42	87750	1.035 ppbv	99
42) Bromodichloromethane	8.05	83	214271	1.013 ppbv	99
43) Methyl Methacrylate	8.27	69	86430	1.034 ppbv	99

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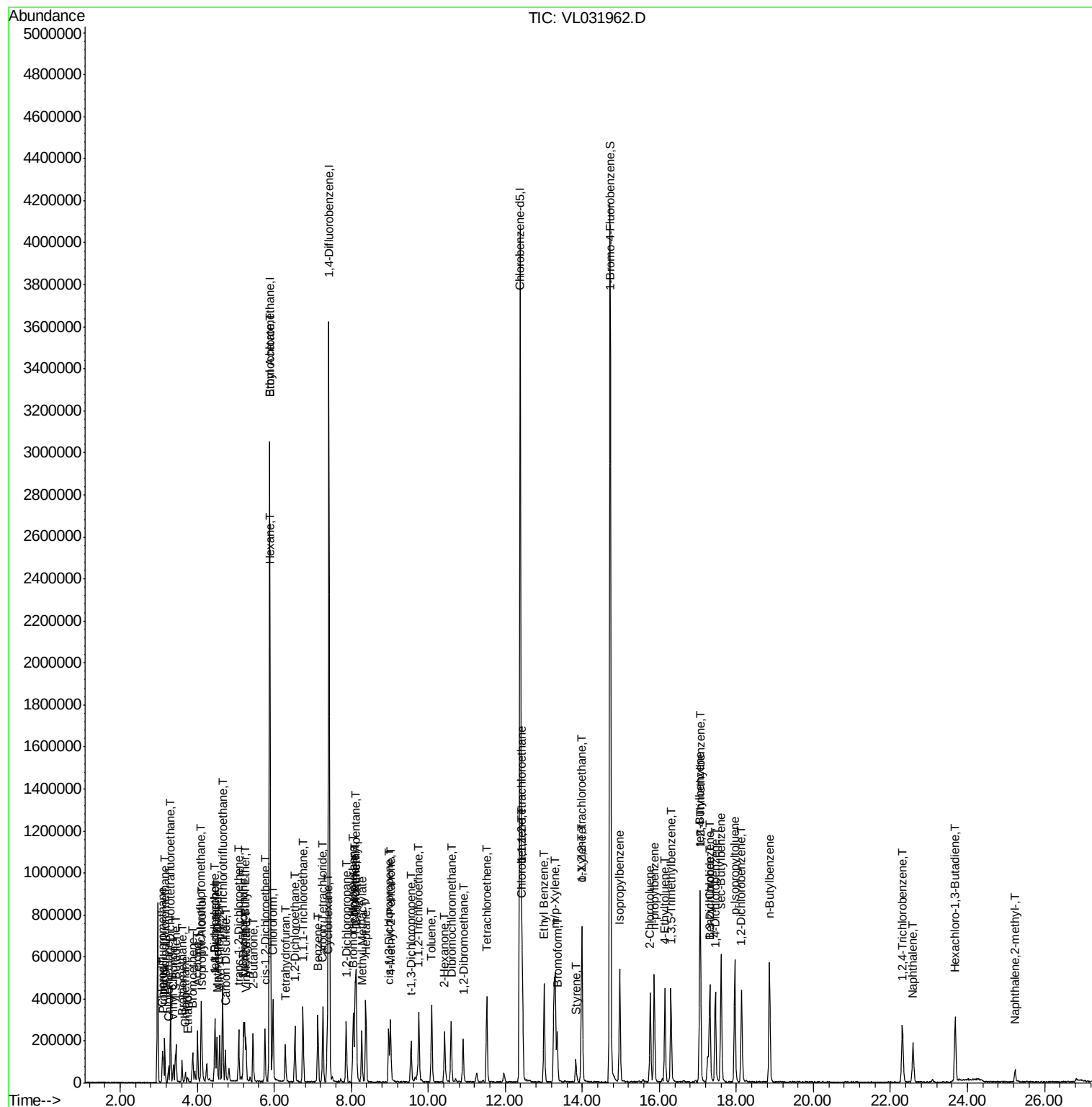
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	441299	1.079	ppbv	99
45) t-1,3-Dichloropropene	9.55	75	55106	0.508	ppbv	97
46) cis-1,3-Dichloropropene	8.97	75	138650	1.001	ppbv #	83
47) 1,1,2-Trichloroethane	9.76	97	111860	1.066	ppbv	95
48) Dibromochloromethane	10.59	129	173173	1.021	ppbv	99
49) Bromoform	13.35	173	129819	0.994	ppbv	99
50) 4-Methyl-2-Pentanone	9.02	43	218839	1.044	ppbv	98
51) 2-Hexanone	10.42	43	200988	1.096	ppbv #	96
52) Tetrachloroethene	11.52	164	98463	1.064	ppbv	88
53) Toluene	10.09	91	281222	1.062	ppbv	99
54) 1,2-Dibromoethane	10.91	107	159884	1.049	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.43	131	62843	0.515	ppbv #	1
57) Chlorobenzene	12.45	112	247361	1.125	ppbv	92
58) Ethyl Benzene	13.01	91	392716	1.090	ppbv	96
59) m/p-Xylene	13.29	91	292148	0.934	ppbv #	9
60) o-Xylene	14.00	91	143183	0.458	ppbv #	2
61) Styrene	13.84	104	31489	0.529	ppbv #	34
62) Isopropylbenzene	14.97	105	435476	1.084	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.98	83	238979	0.994	ppbv	100
64) n-propylbenzene	15.87	120	107434	1.100	ppbv	97
65) tert-Butylbenzene	17.05	119	394017	1.141	ppbv	99
66) Benzyl Chloride	17.30	91	8426	0.271	ppbv #	14
67) sec-Butylbenzene	17.60	105	546803	1.099	ppbv	99
69) p-Isopropyltoluene	17.96	119	430257	1.115	ppbv	99
70) n-Butylbenzene	18.86	91	450524	1.122	ppbv	98
71) 2-Chlorotoluene	15.76	91	316875	1.091	ppbv	100
72) 4-Ethyltoluene	16.14	105	339790	1.063	ppbv	98
73) 1,3,5-Trimethylbenzene	16.30	105	315231	1.078	ppbv	99
74) 1,2,4-Trimethylbenzene	17.07	105	358185	1.097	ppbv	94
75) 1,3-Dichlorobenzene	17.31	146	219000	1.094	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	209570	1.079	ppbv	95
77) 1,2-Dichlorobenzene	18.13	146	221619	1.124	ppbv	98
78) Hexachloro-1,3-Butadiene	23.68	225	55928	0.739	ppbv #	66
79) Naphthalene	22.59	128	219925	1.197	ppbv	99
80) Naphthalene, 2-methyl-	25.24	142	32358	0.902	ppbv	96
81) 1,2,4-Trichlorobenzene	22.31	180	60546	0.594	ppbv #	2

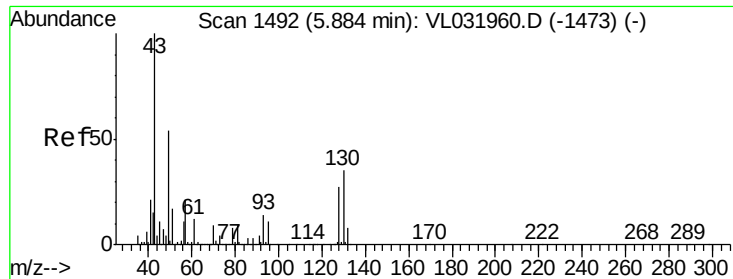
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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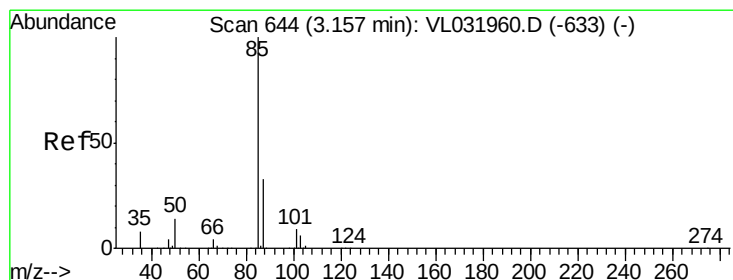
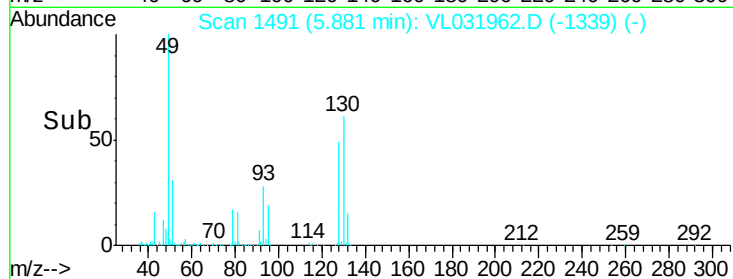
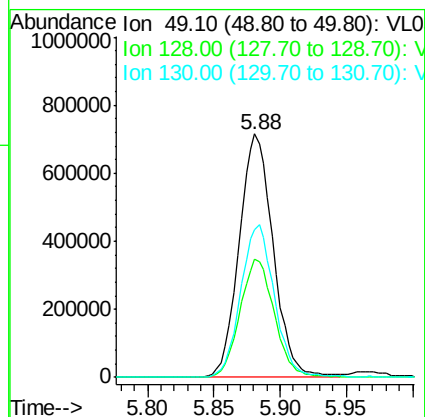
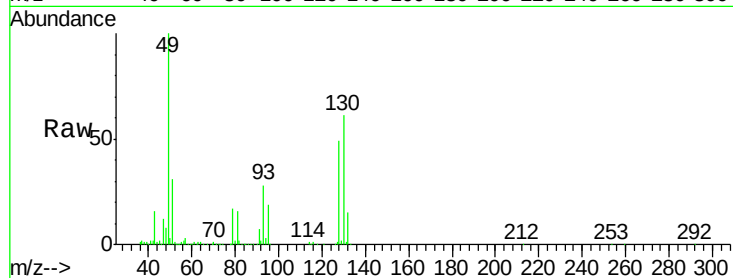




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.88 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

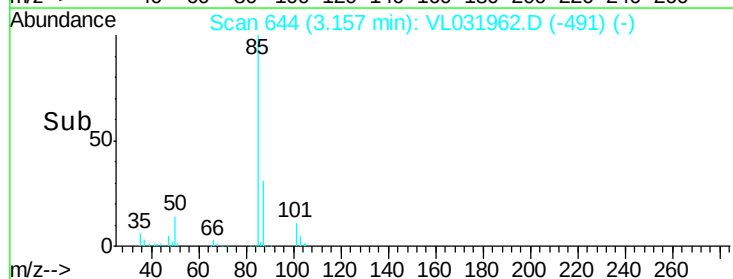
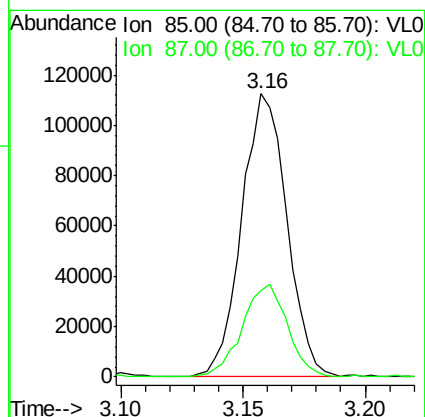
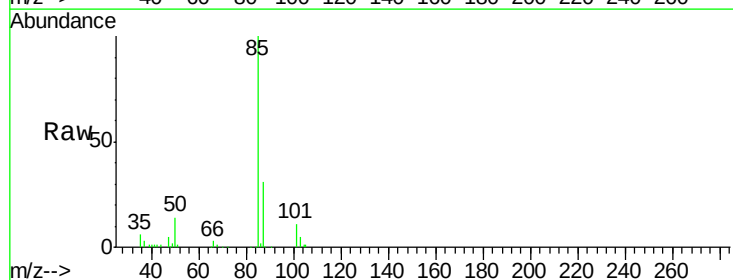
Instrument :
 MSVOA_L
 ClientSampleId :

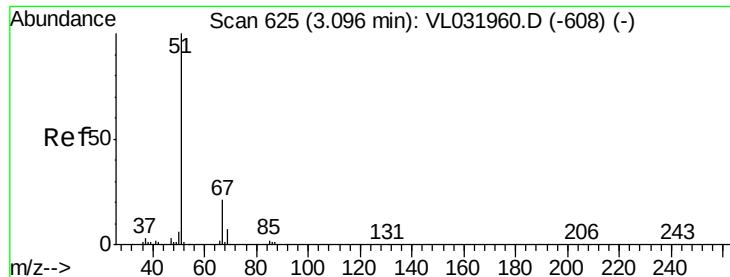
Tot Ion: 49 Resp: 1277301
 Ion Ratio Lower Upper
 49 100
 128 49.2 23.9 71.7
 130 62.7 30.9 92.7



#2
 Dichlorodifluoromethane
 Concen: 0.549 ppbv
 RT: 3.16 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion: 85 Resp: 144590
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.890 ppbv

RT: 3.10 min Scan# 625

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

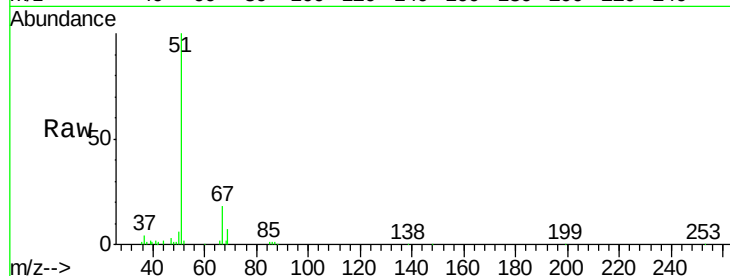
ClientSampleId :

Tot Ion: 51 Resp: 132199

Ion Ratio Lower Upper

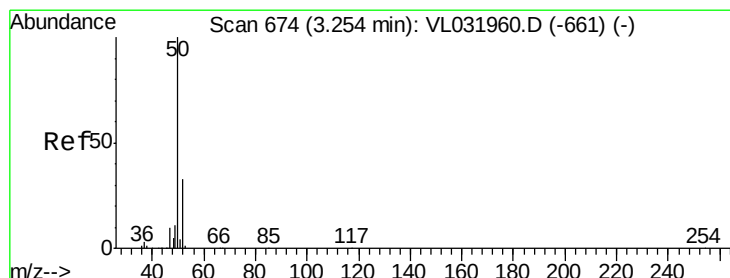
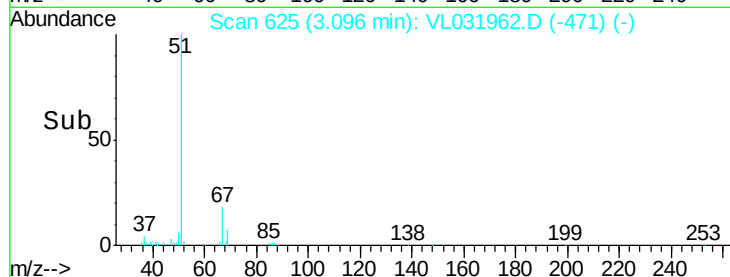
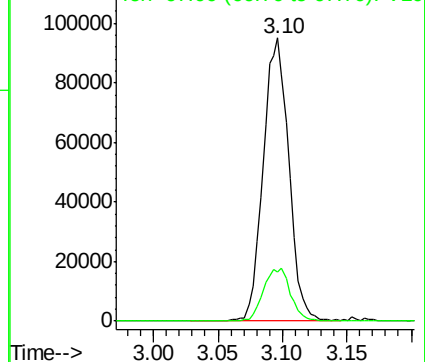
51 100

67 19.8 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.903 ppbv

RT: 3.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL031962.D

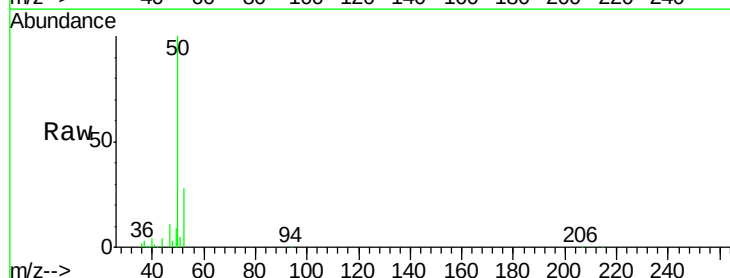
Acq: 3 May 2018 12:44

Tgt Ion: 50 Resp: 68480

Ion Ratio Lower Upper

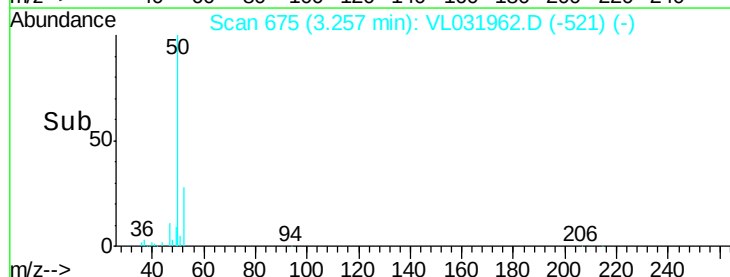
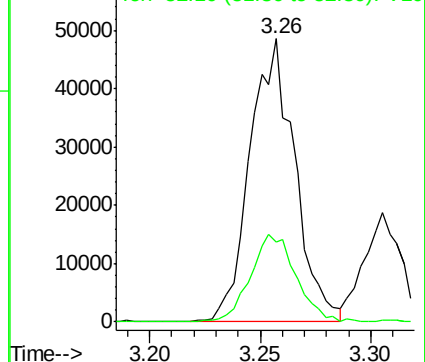
50 100

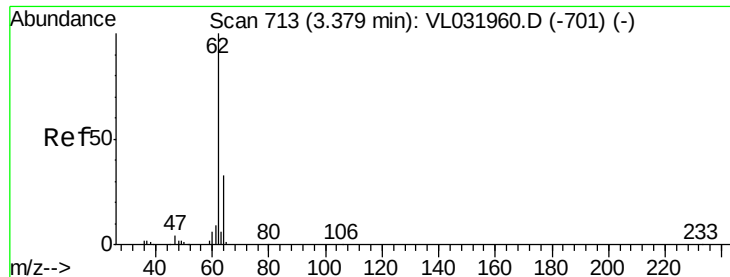
52 28.6 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.820 ppbv

RT: 3.38 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

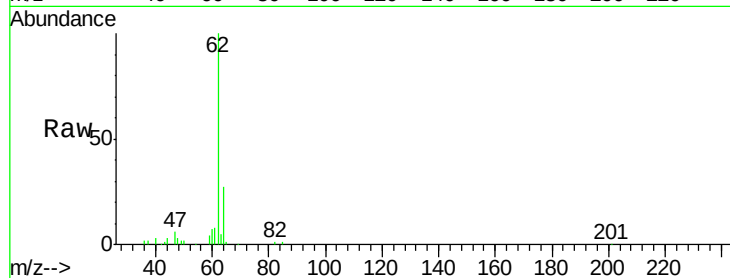
ClientSampleId :

Tot Ion: 62 Resp: 70019

Ion Ratio Lower Upper

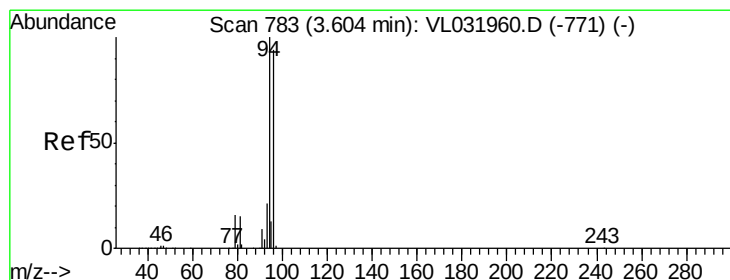
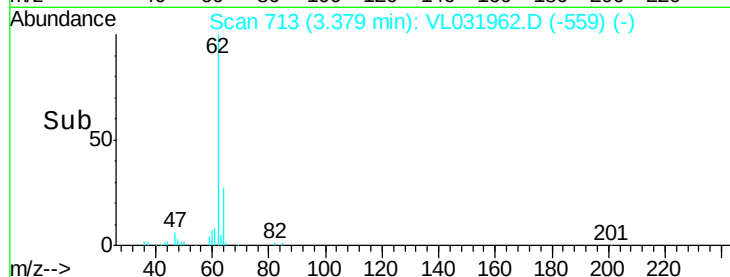
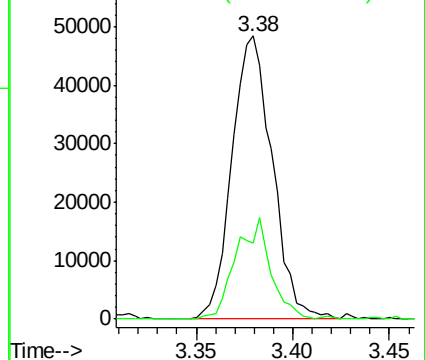
62 100

64 27.4 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.897 ppbv

RT: 3.61 min Scan# 784

Delta R.T. -0.00 min

Lab File: VL031962.D

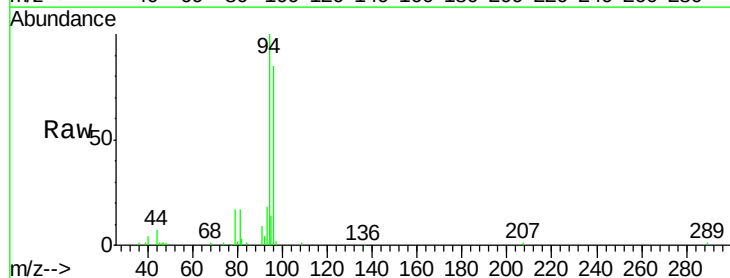
Acq: 3 May 2018 12:44

Tgt Ion: 94 Resp: 50333

Ion Ratio Lower Upper

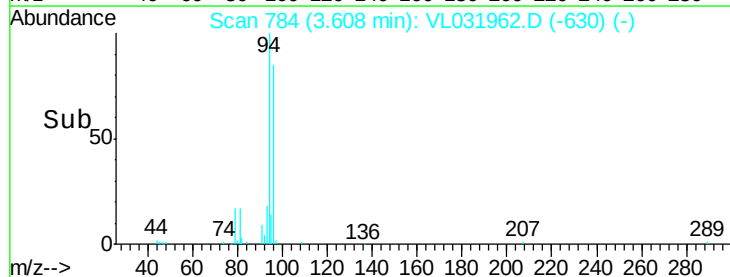
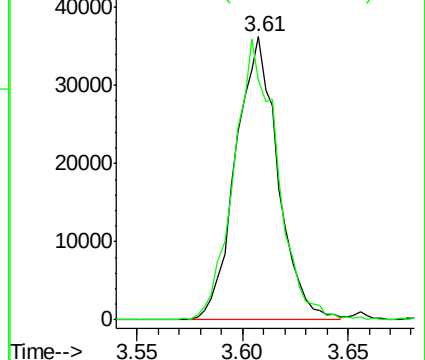
94 100

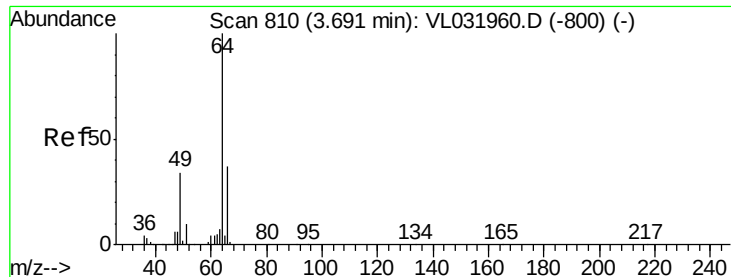
96 84.7 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.507 ppbv

RT: 3.69 min Scan# 810

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

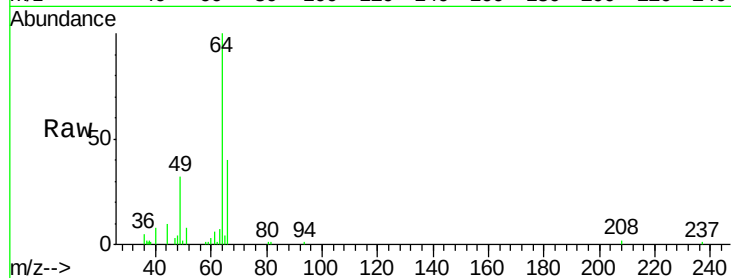
ClientSampleId :

Tot Ion: 64 Resp: 17253

Ion Ratio Lower Upper

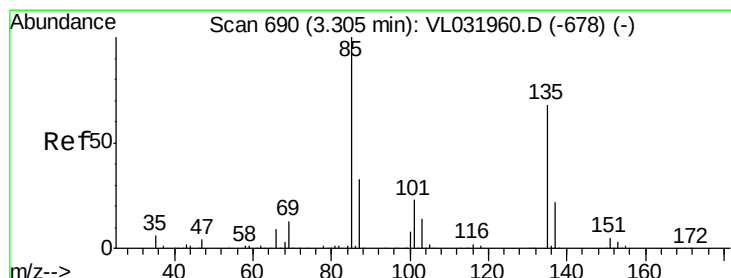
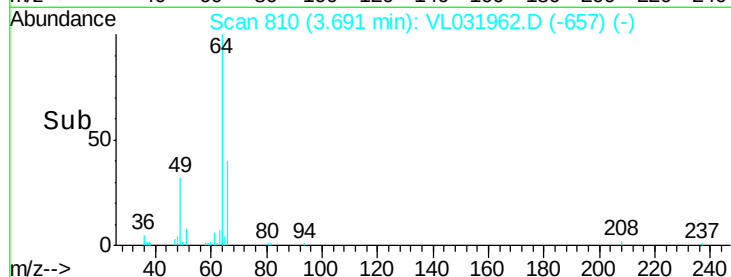
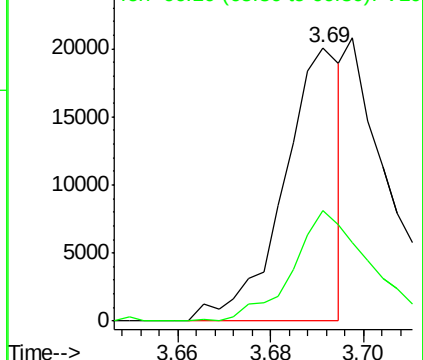
64 100

66 38.6 23.4 35.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.810 ppbv

RT: 3.31 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL031962.D

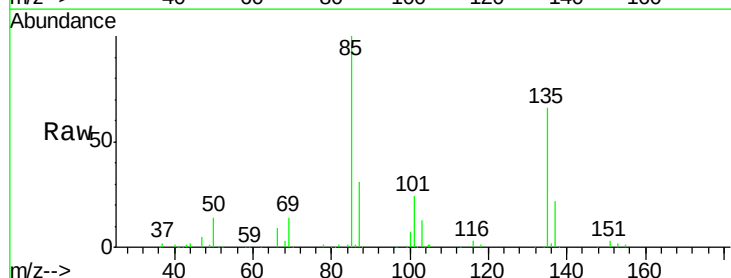
Acq: 3 May 2018 12:44

Tgt Ion: 85 Resp: 175215

Ion Ratio Lower Upper

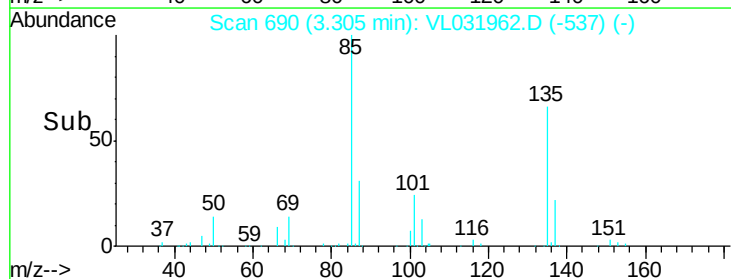
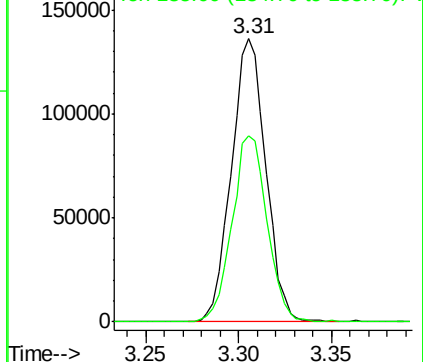
85 100

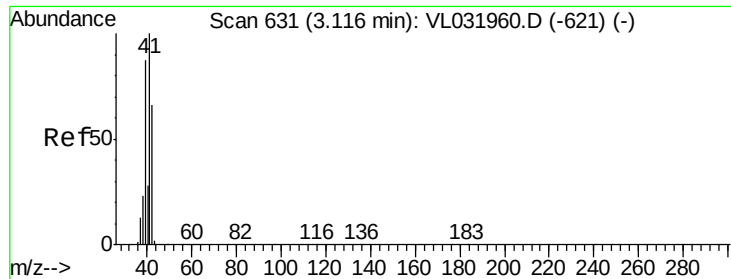
135 66.8 52.7 79.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.875 ppbv

RT: 3.12 min Scan# 631

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

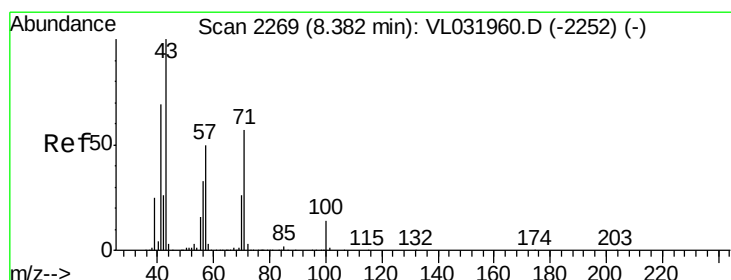
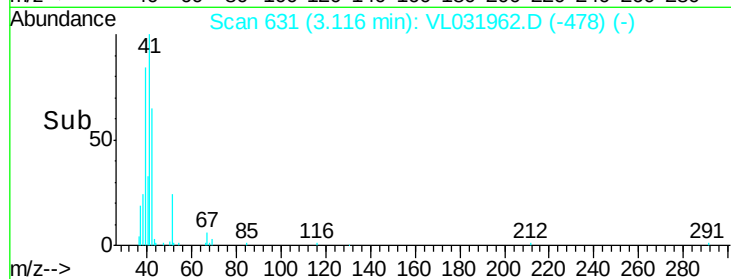
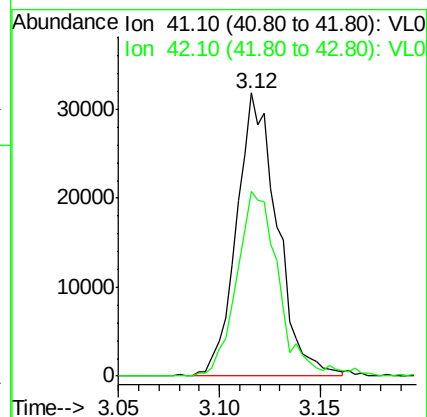
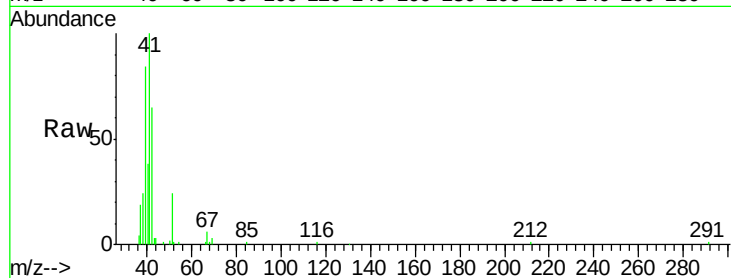
ClientSampleId :

Tot Ion: 41 Resp: 44960

Ion Ratio Lower Upper

41 100

42 67.8 55.0 82.4



#10

Heptane

Concen: 0.949 ppbv

RT: 8.38 min Scan# 2267

Delta R.T. -0.01 min

Lab File: VL031962.D

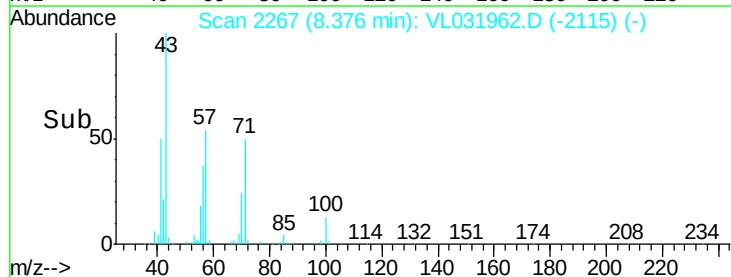
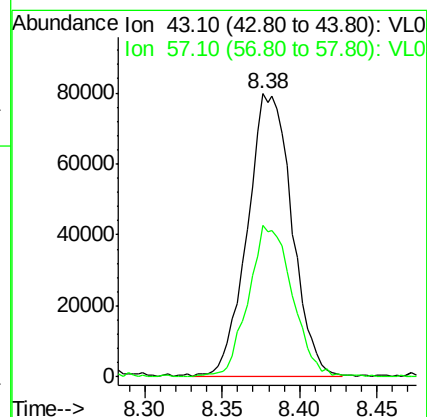
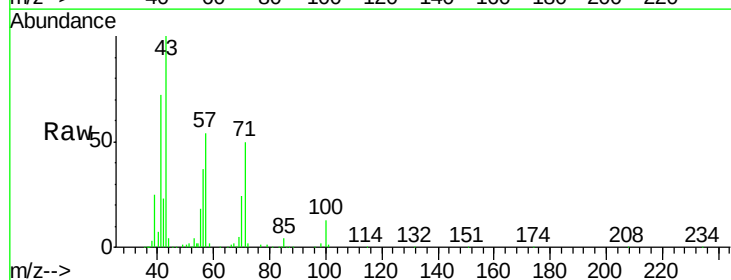
Acq: 3 May 2018 12:44

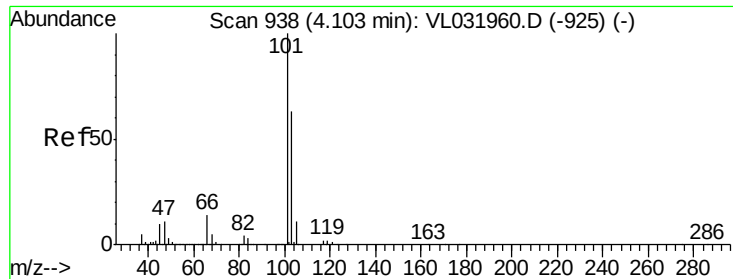
Tgt Ion: 43 Resp: 158173

Ion Ratio Lower Upper

43 100

57 53.4 41.5 62.3

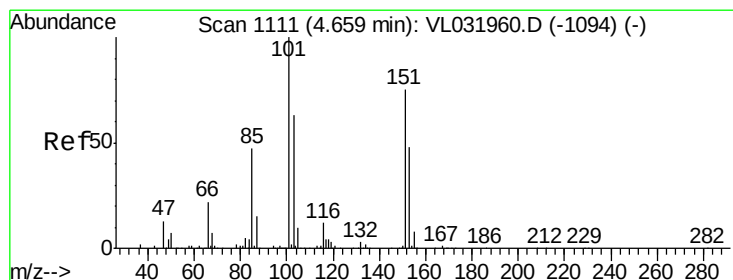
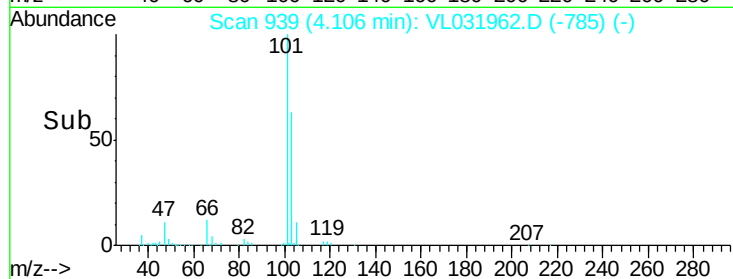
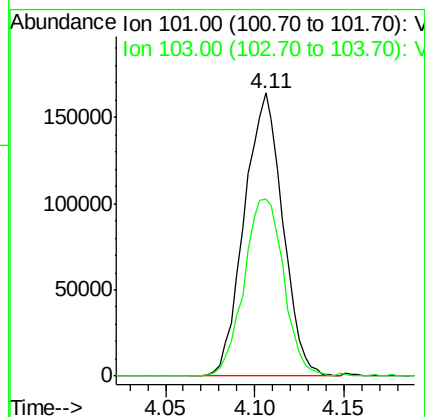
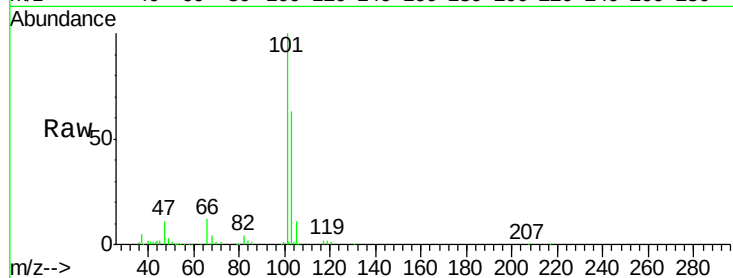




#11
 Trichlorofluoromethane
 Concen: 0.956 ppbv
 RT: 4.11 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

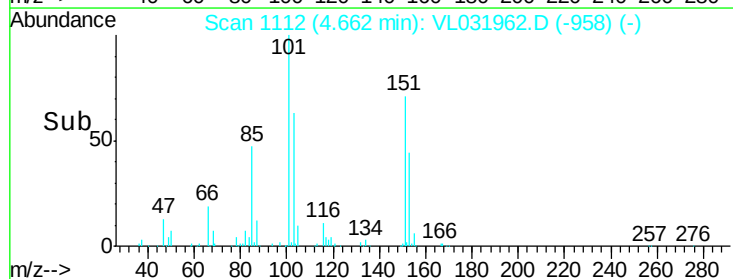
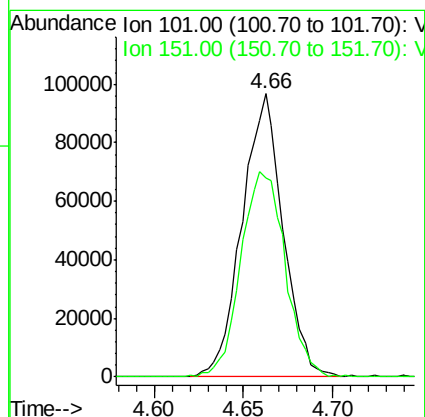
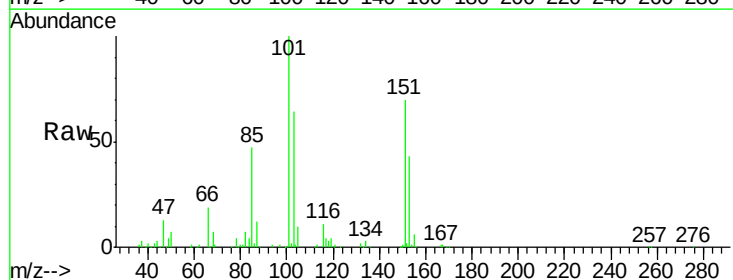
Instrument :
 MSVOA_L
 ClientSampleId :

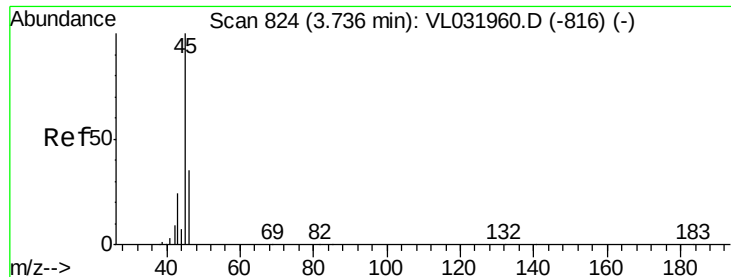
Tot Ion:101 Resp: 246954
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.922 ppbv
 RT: 4.66 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion:101 Resp: 154699
 Ion Ratio Lower Upper
 101 100
 151 78.8 57.0 85.6





#13

Ethanol

Concen: 1.086 ppbv

RT: 3.75 min Scan# 827

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

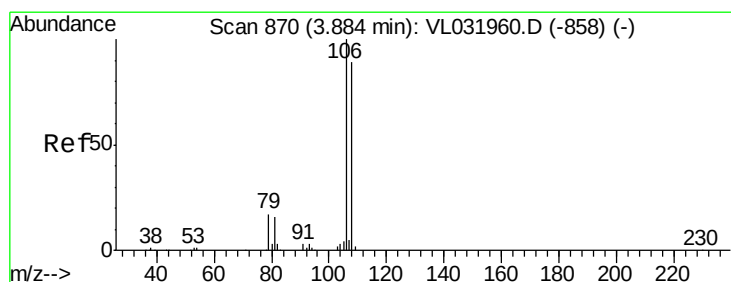
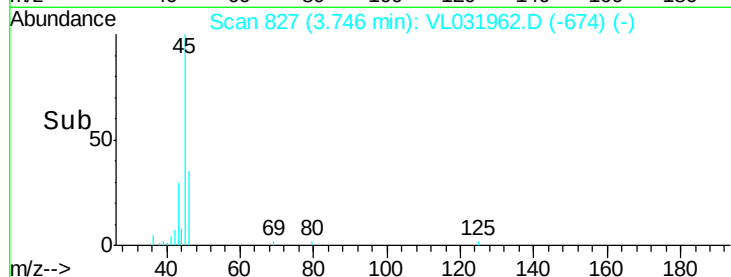
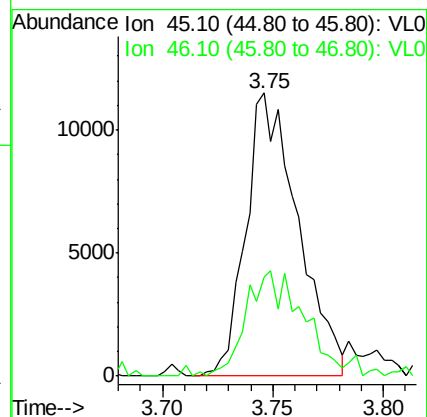
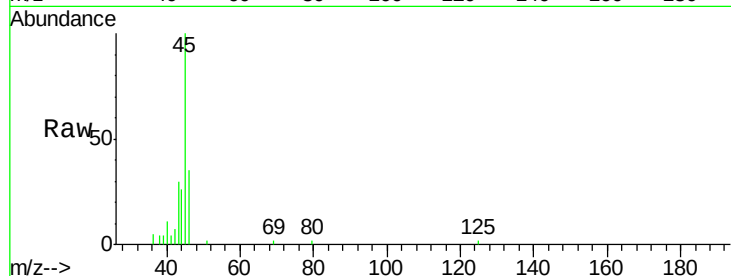
ClientSampleId :

Tot Ion: 45 Resp: 18939

Ion Ratio Lower Upper

45 100

46 42.9 14.6 58.6



#14

Bromoethene

Concen: 0.542 ppbv

RT: 3.88 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

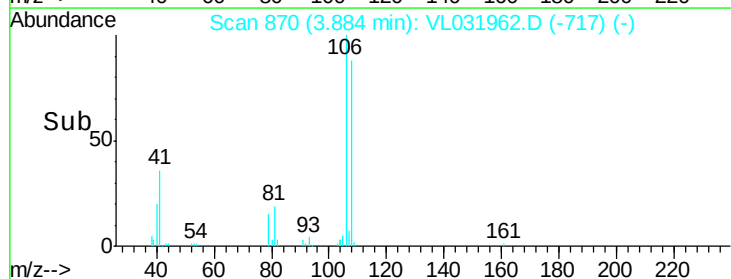
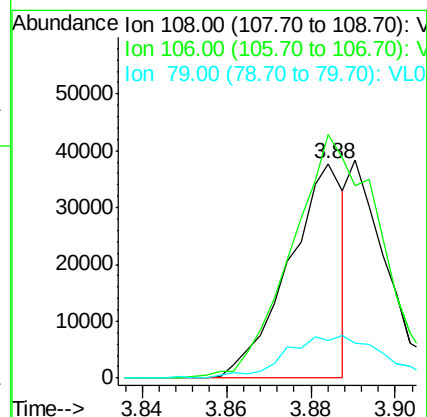
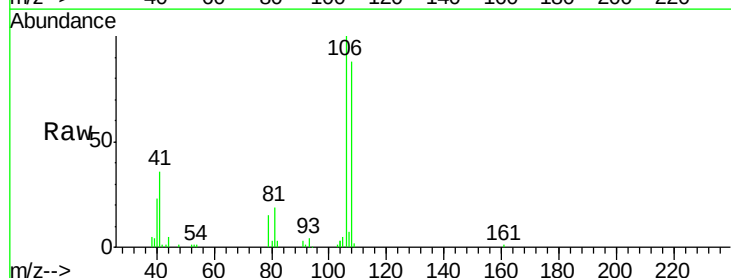
Tgt Ion: 108 Resp: 34284

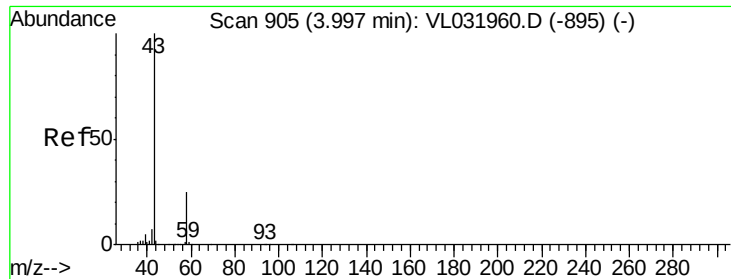
Ion Ratio Lower Upper

108 100

106 184.8 86.6 130.0#

79 0.0 15.5 23.3#





#15

Acetone

Concen: 1.193 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

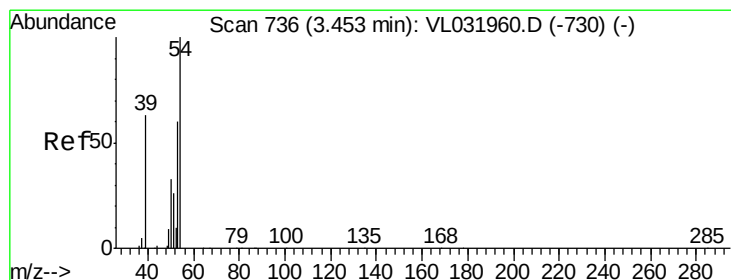
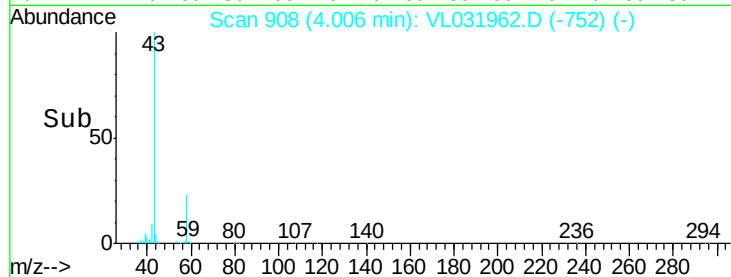
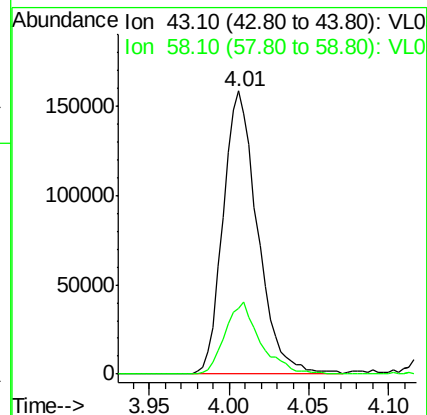
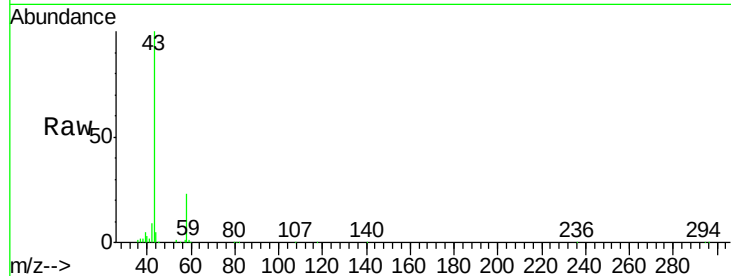
ClientSampleId :

Tot Ion: 43 Resp: 234493

Ion Ratio Lower Upper

43 100

58 26.0 20.9 31.3



#16

1,3-Butadiene

Concen: 0.786 ppbv

RT: 3.45 min Scan# 736

Delta R.T. -0.00 min

Lab File: VL031962.D

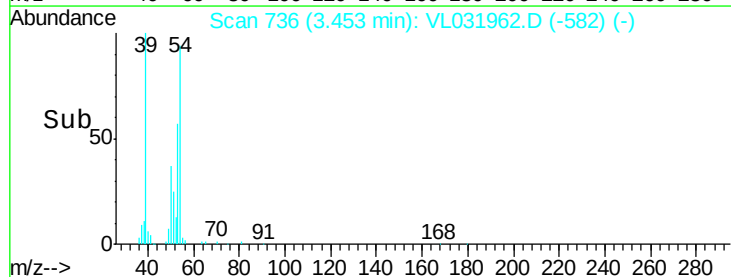
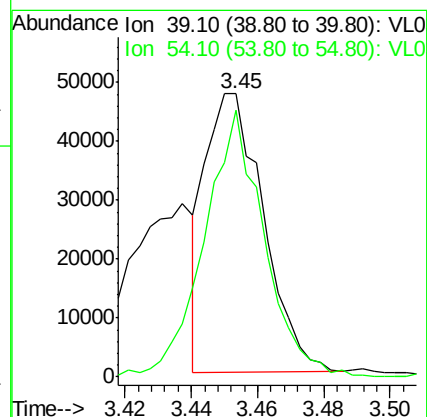
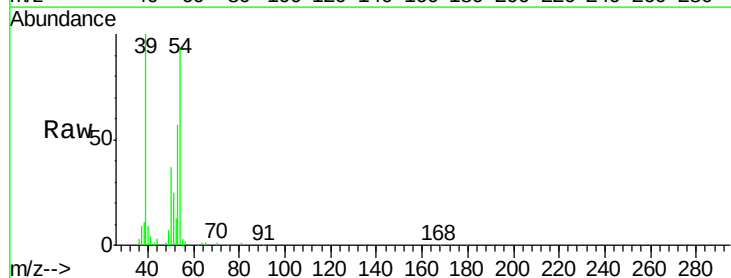
Acq: 3 May 2018 12:44

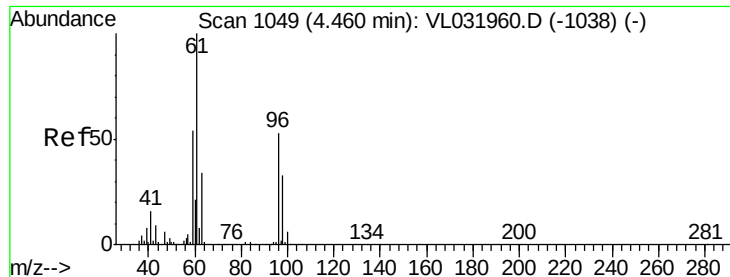
Tgt Ion: 39 Resp: 57168

Ion Ratio Lower Upper

39 100

54 99.4 63.3 94.9#





#17

tert-Butyl alcohol

Concen: 0.614 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

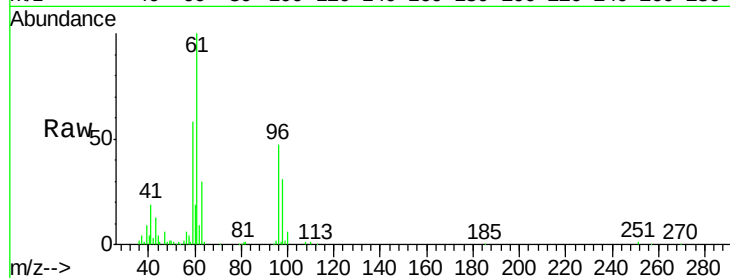
ClientSampled :

Tot Ion: 59 Resp: 49916

Ion Ratio Lower Upper

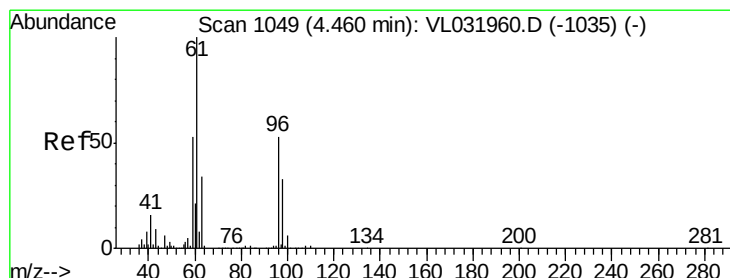
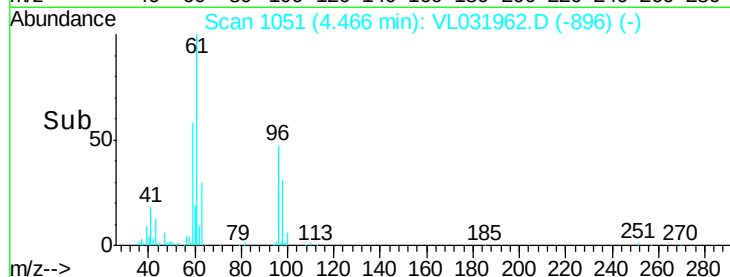
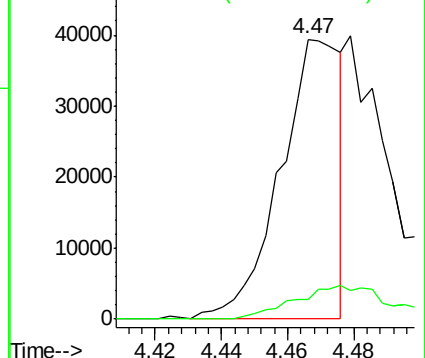
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.979 ppbv

RT: 4.46 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

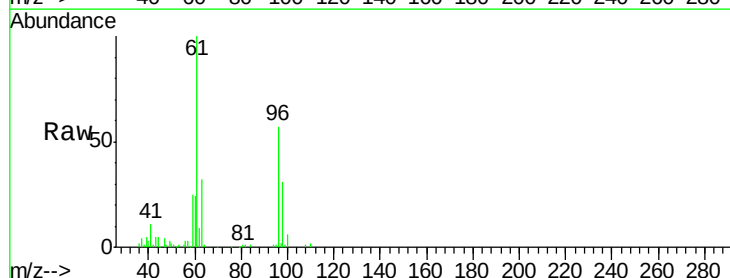
Tgt Ion: 96 Resp: 70588

Ion Ratio Lower Upper

96 100

61 173.7 161.0 241.6

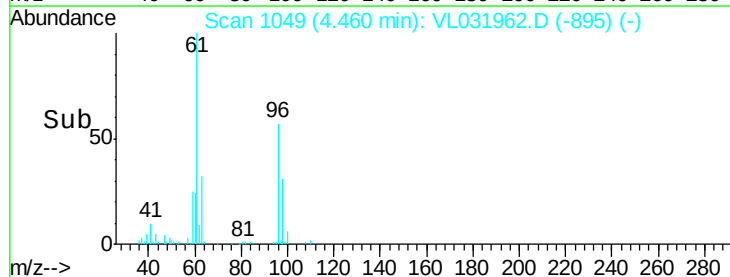
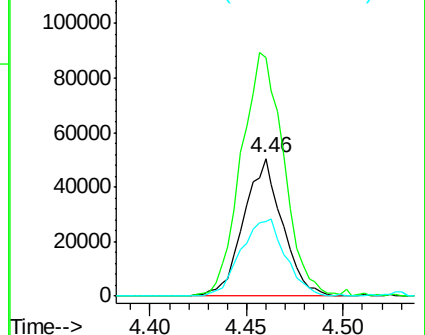
98 54.5 52.7 79.1

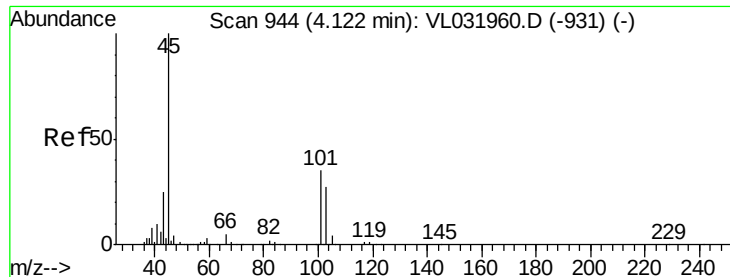


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.107 ppbv

RT: 4.13 min Scan# 946

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

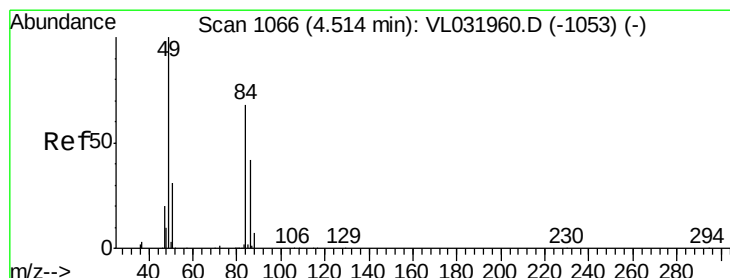
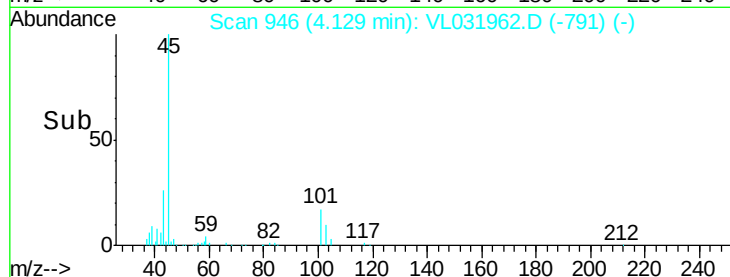
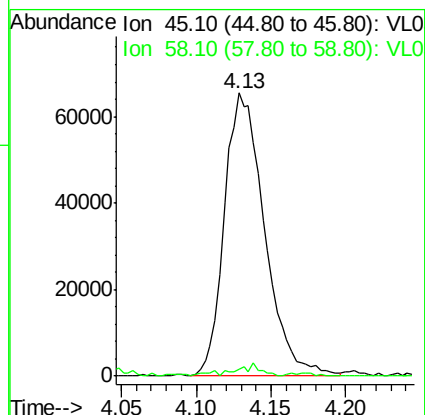
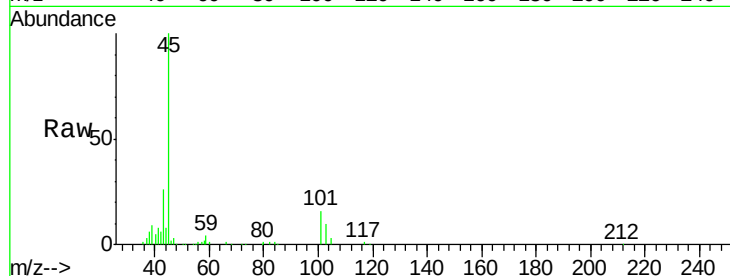
ClientSampleId :

Tot Ion: 45 Resp: 121598

Ion Ratio Lower Upper

45 100

58 3.4 1.7 2.5#



#20

Methylene Chloride

Concen: 0.960 ppbv

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Tgt Ion: 84 Resp: 68735

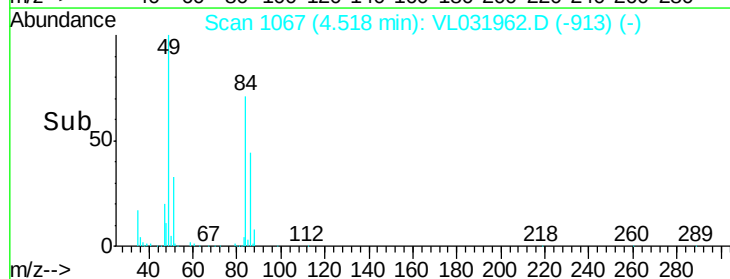
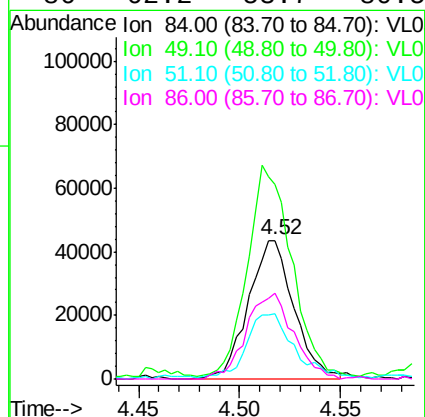
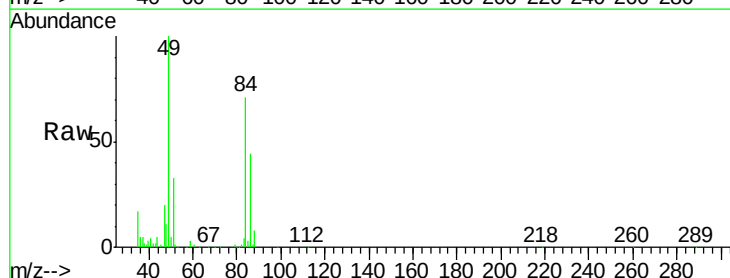
Ion Ratio Lower Upper

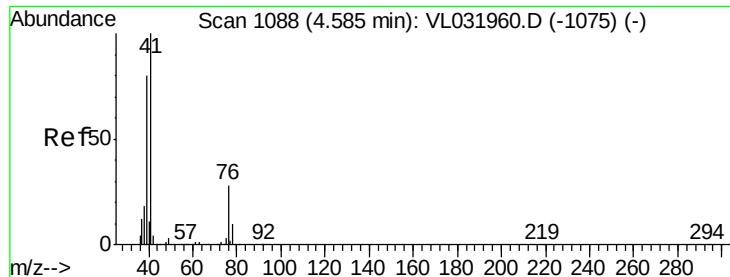
84 100

49 138.3 125.6 188.4

51 45.0 36.4 54.6

86 62.2 53.7 80.5

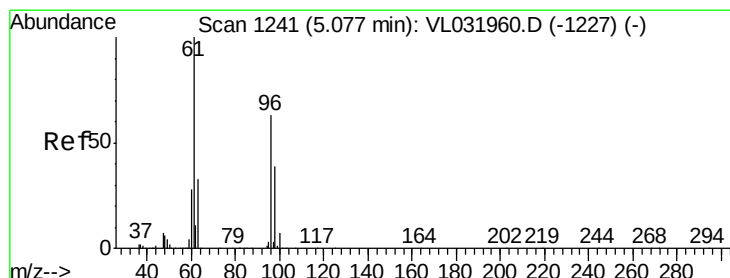
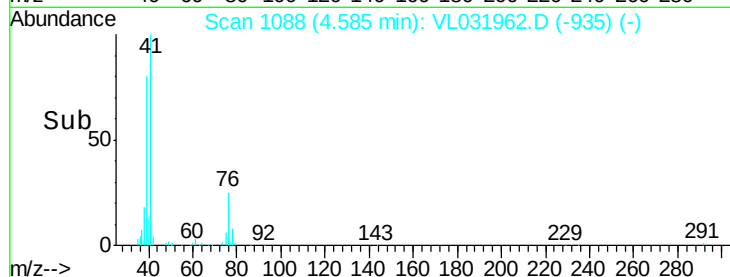
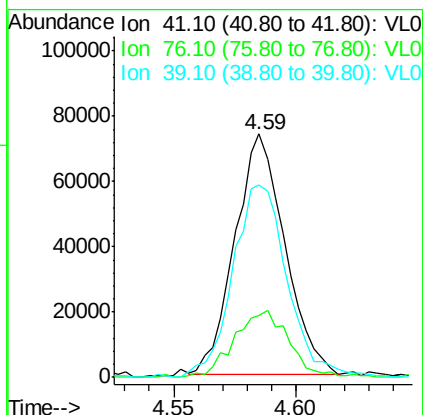
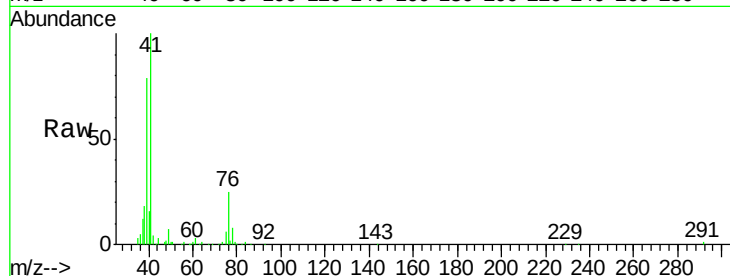




#21
 Allvl Chloride
 Concen: 0.933 ppbv
 RT: 4.59 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

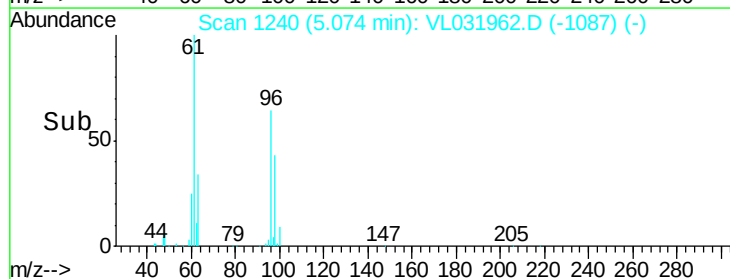
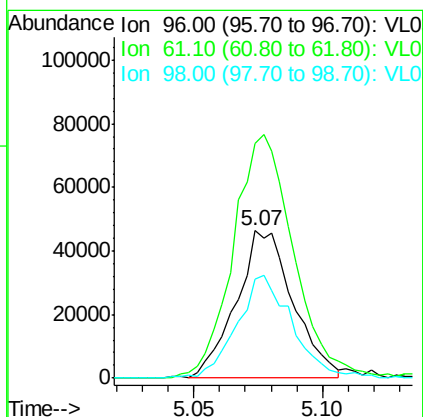
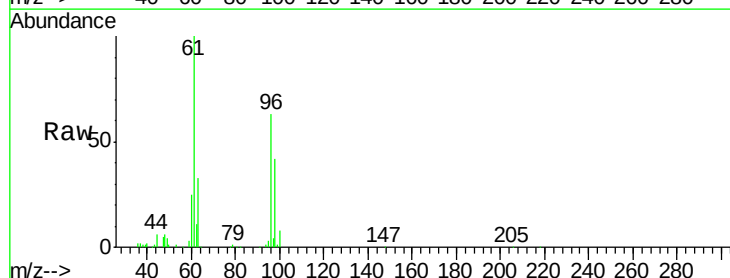
Instrument :
 MSVOA_L
 ClientSampleId :

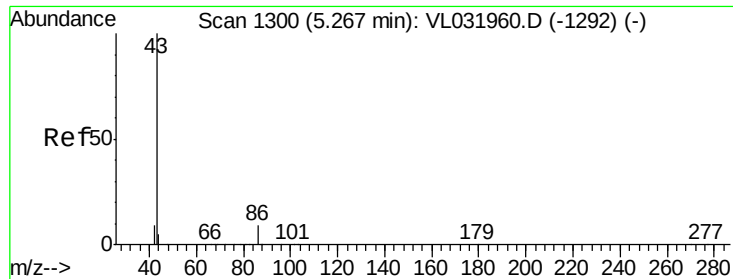
Tot Ion: 41 Resp: 104736
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.4 35.2
 39 87.0 67.6 101.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.951 ppbv
 RT: 5.07 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion: 96 Resp: 71063
 Ion Ratio Lower Upper
 96 100
 61 155.8 131.1 196.7
 98 64.9 47.6 71.4





#23

Vinyl Acetate

Concen: 1.154 ppbv

RT: 5.27 min Scan# 1300

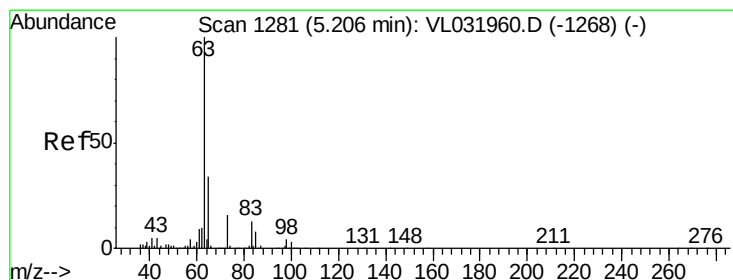
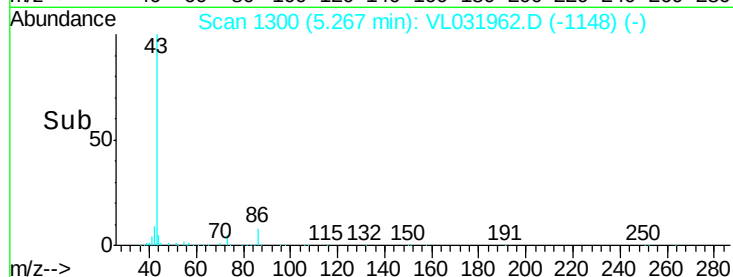
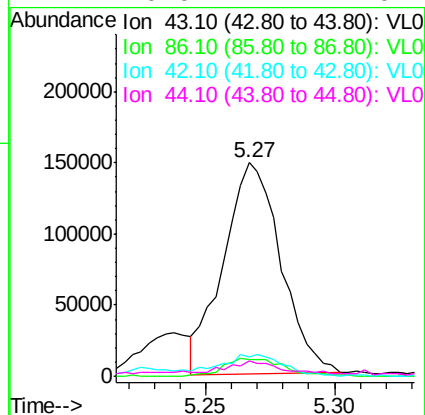
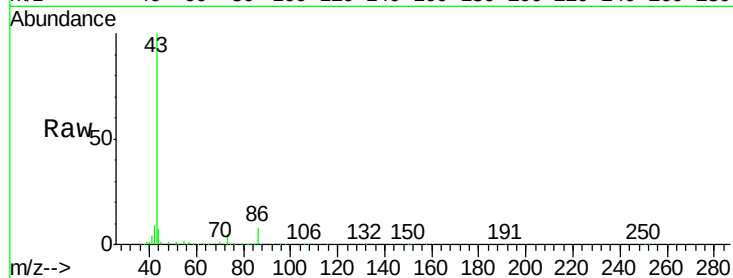
Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	229997
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	8.9	8.5	12.7
44	6.0	4.2	6.4



#24

1,1-Dichloroethane

Concen: 1.066 ppbv

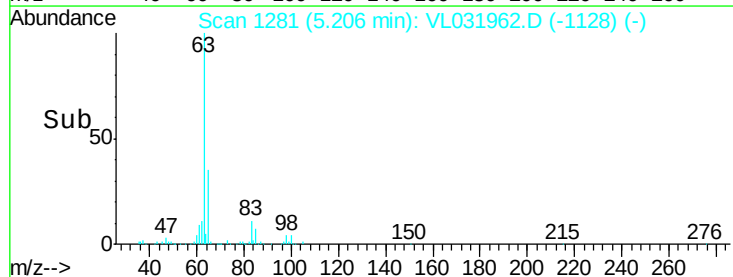
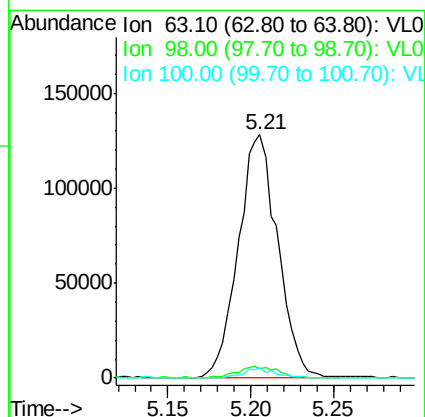
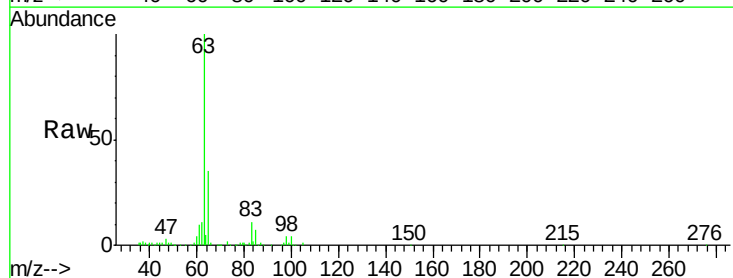
RT: 5.21 min Scan# 1281

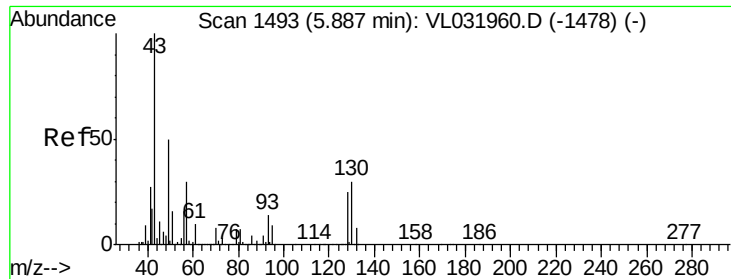
Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Tgt Ion:	63	Resp:	211690
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.4	7.2
100	4.2	1.5	4.4

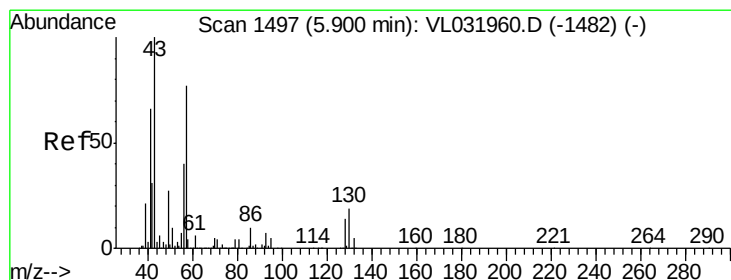
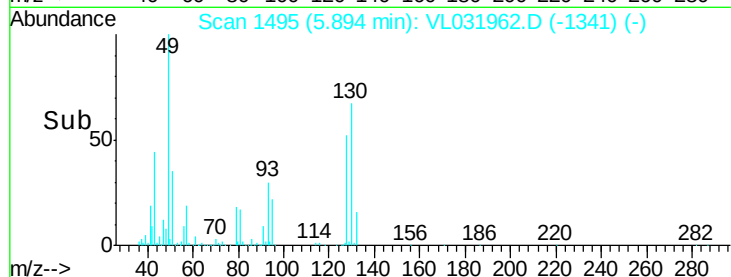
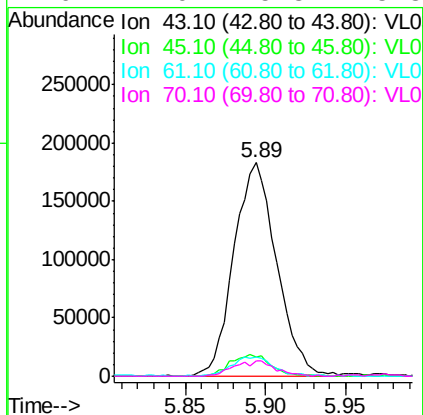
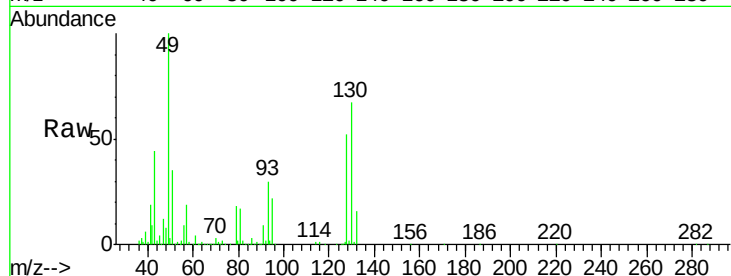




#25
Ethyl Acetate
Concen: 1.087 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

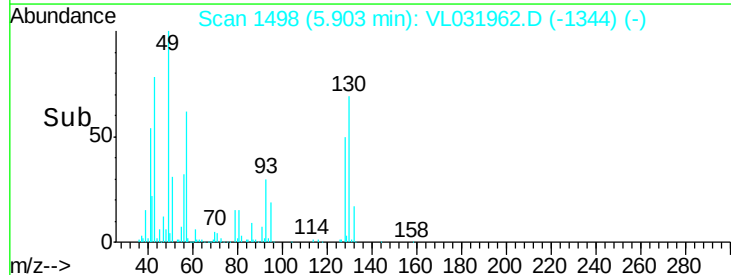
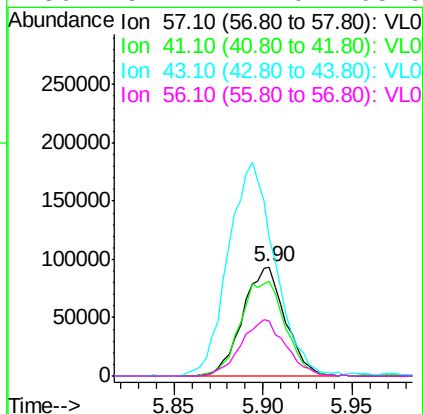
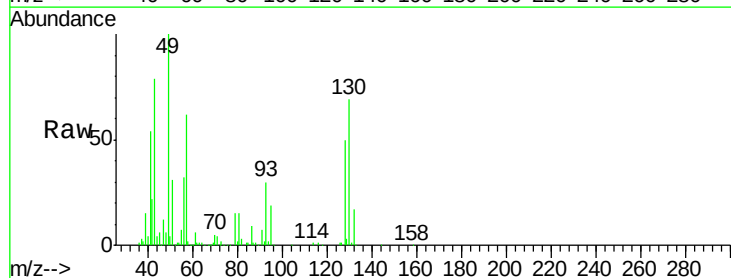
Instrument :
MSVOA_L
ClientSampled :

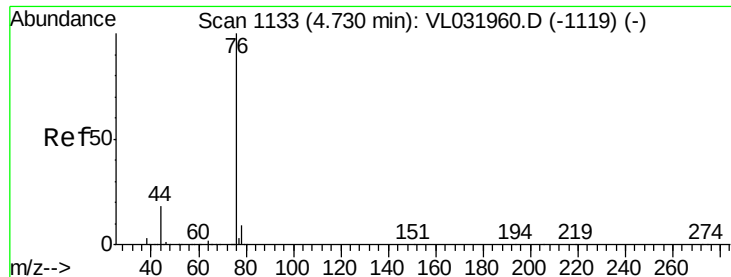
Tot Ion:	43	Resp:	333180
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.6	7.2	10.8
70	7.0	5.8	8.8



#26
Hexane
Concen: 1.086 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

Tgt Ion:	57	Resp:	155294
Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.0	108.0
43	218.6	169.8	254.8
56	54.1	42.0	63.0





#27

Carbon Disulfide

Concen: 0.921 ppbv

RT: 4.73 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

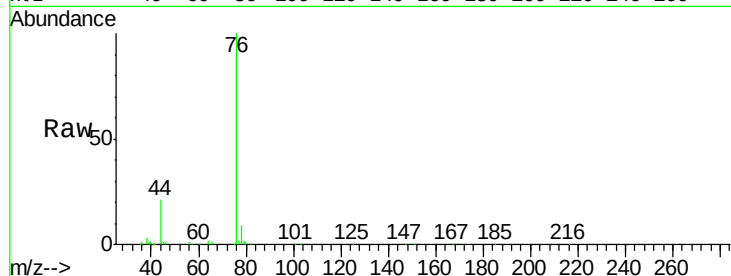
Tot Ion: 76 Resp: 170882

Ion Ratio Lower Upper

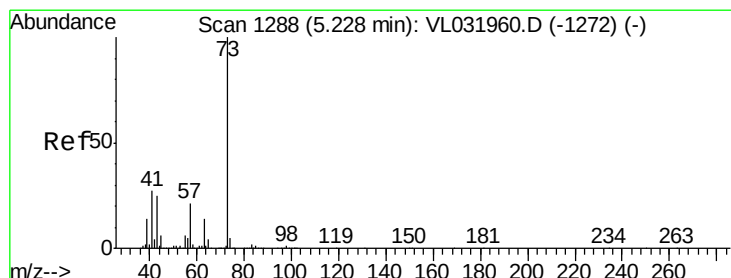
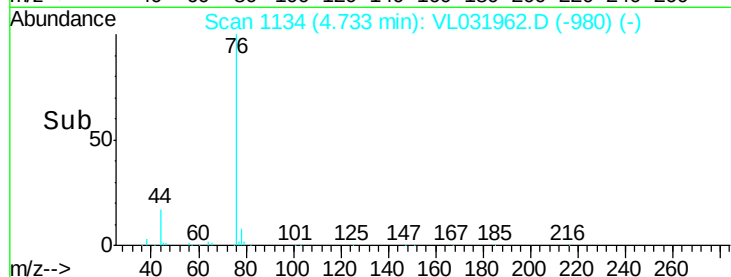
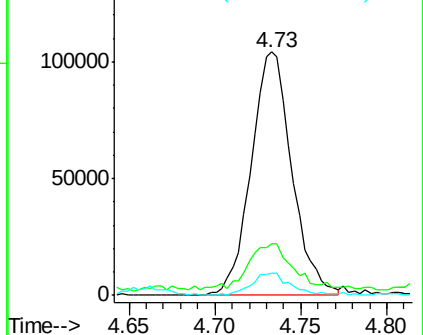
76 100

44 26.6 15.6 23.4#

78 9.2 7.6 11.4



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



#28

Methyl tert-Butyl Ether

Concen: 1.105 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL031962.D

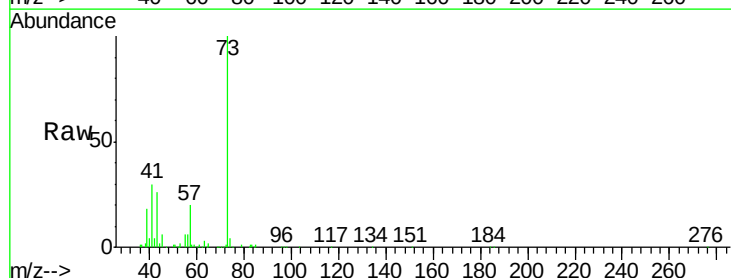
Acq: 3 May 2018 12:44

Tgt Ion: 73 Resp: 194300

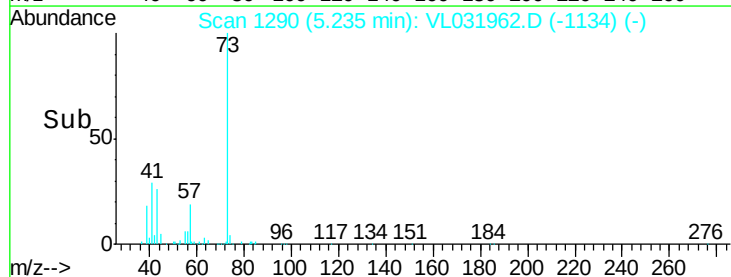
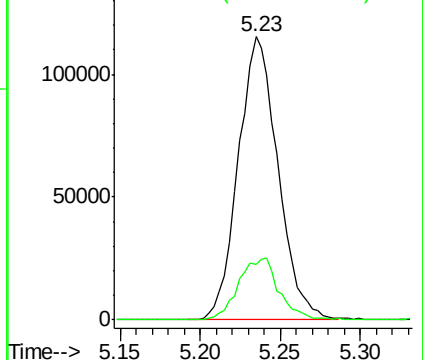
Ion Ratio Lower Upper

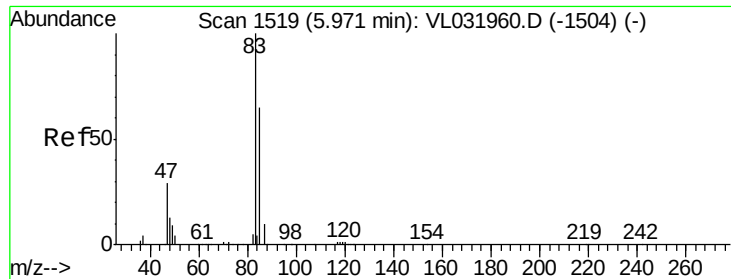
73 100

57 22.3 17.6 26.4



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

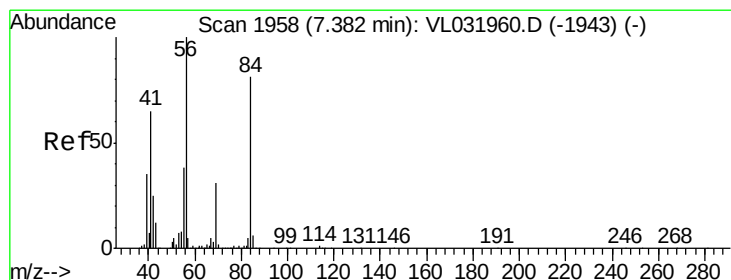
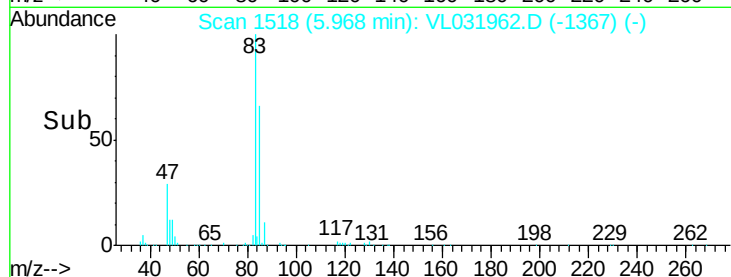
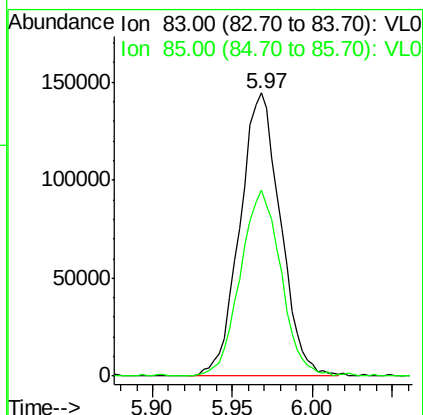
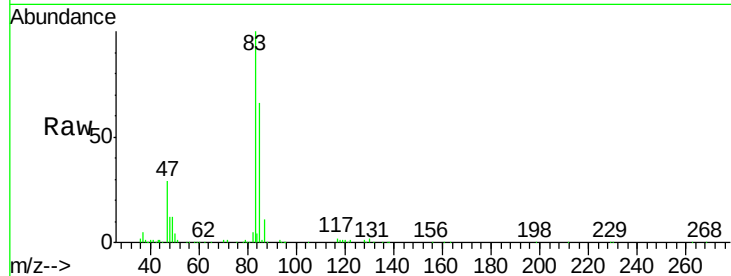




#29
Chloroform
Concen: 1.029 ppbv
RT: 5.97 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

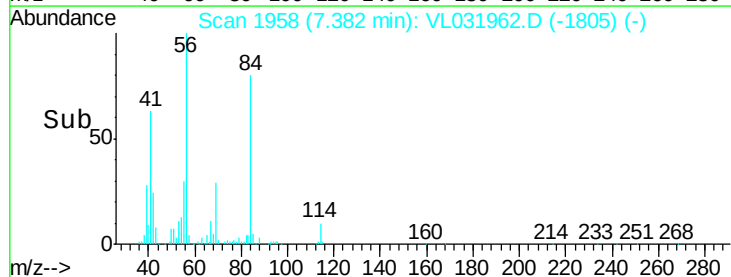
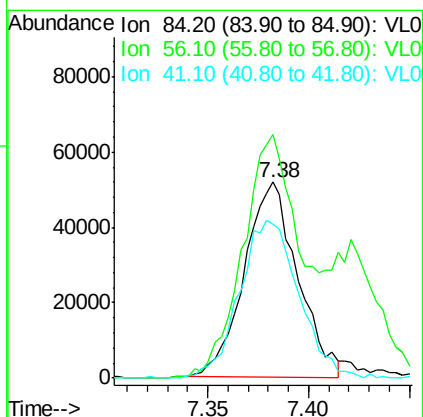
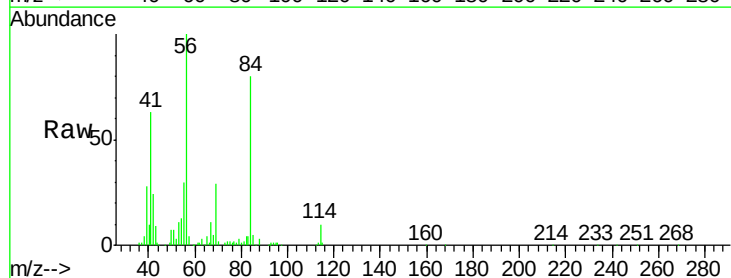
Instrument :
MSVOA_L
ClientSampleId :

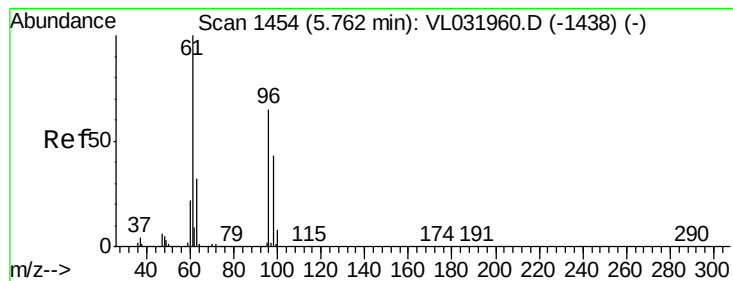
Tot Ion: 83 Resp: 249446
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0



#30
Cyclohexane
Concen: 0.937 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

Tgt Ion: 84 Resp: 95651
Ion Ratio Lower Upper
84 100
56 196.1 107.7 161.5#
41 90.5 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 1.072 ppbv

RT: 5.76 min Scan# 1453

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

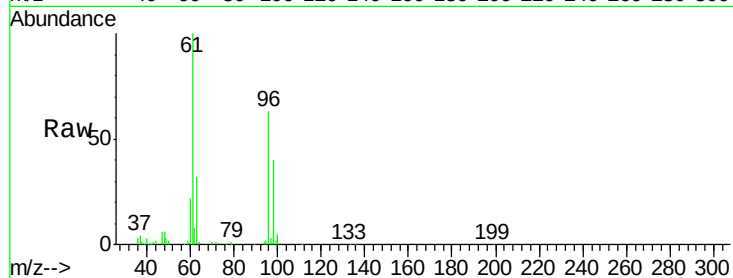
Tot Ion: 61 Resp: 138856

Ion Ratio Lower Upper

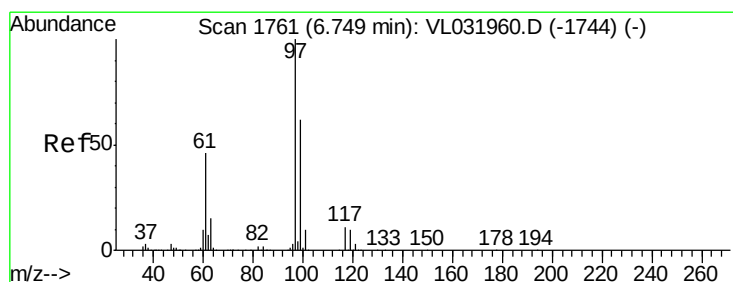
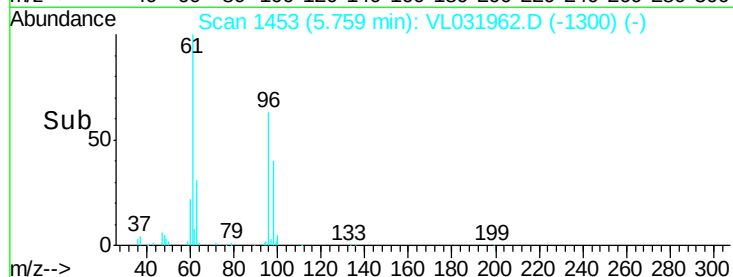
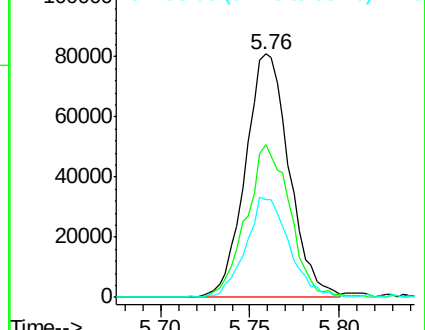
61 100

96 62.8 47.6 71.4

98 39.9 30.3 45.5



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: 0.901 ppbv

RT: 6.75 min Scan# 1760

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

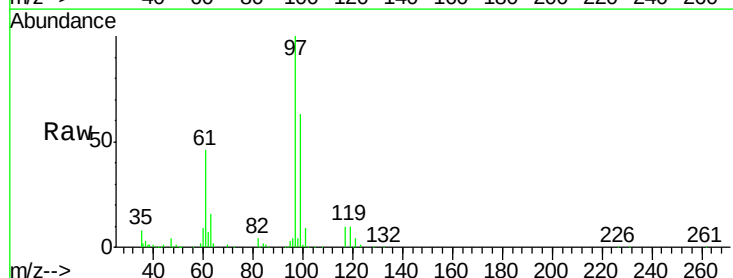
Tgt Ion: 97 Resp: 212756

Ion Ratio Lower Upper

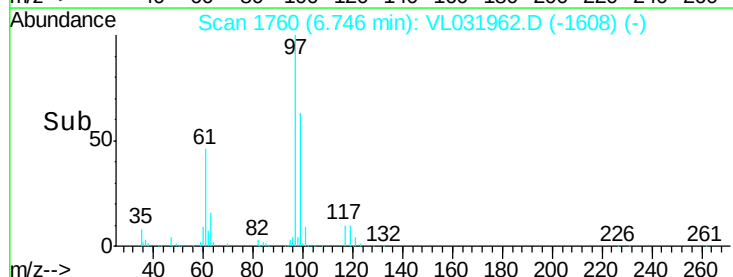
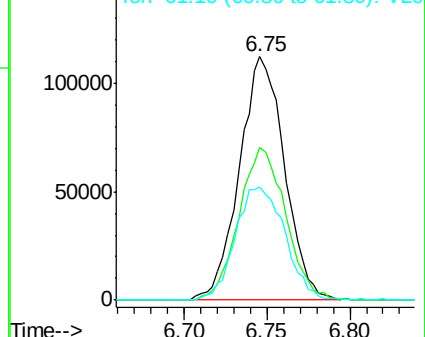
97 100

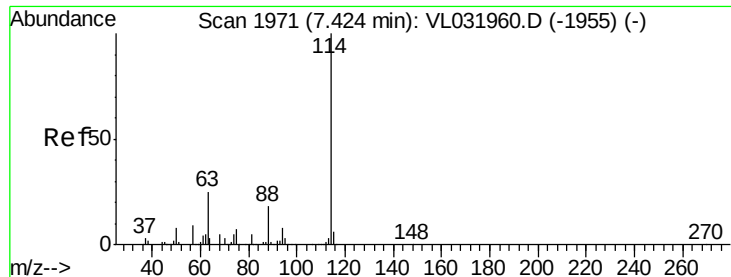
99 65.0 51.5 77.3

61 51.3 40.0 60.0



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: 7.42 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

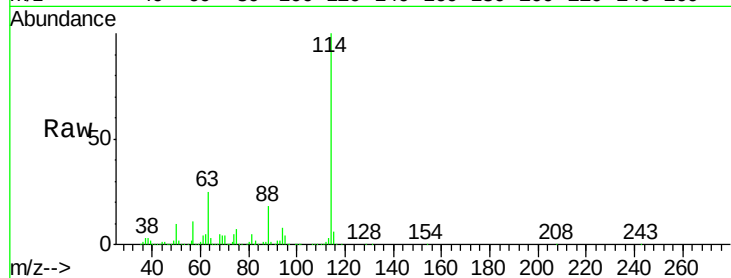
Tot Ion:114 Resp: 2641146

Ion Ratio Lower Upper

114 100

63 25.5 21.8 32.6

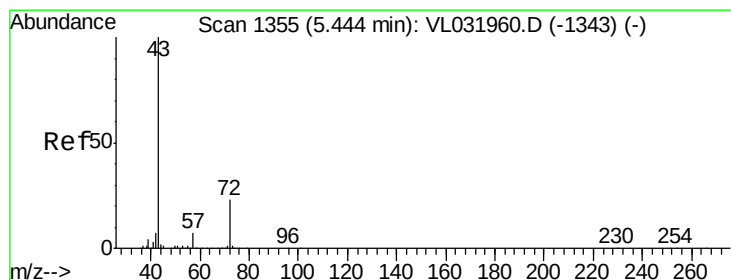
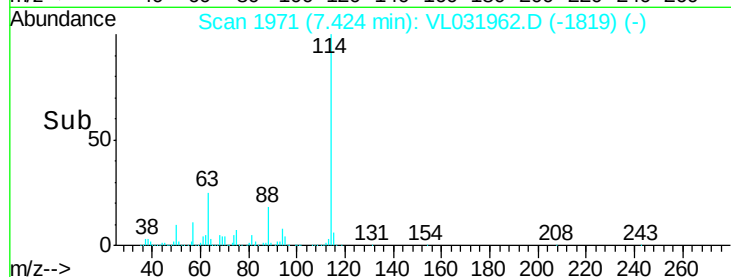
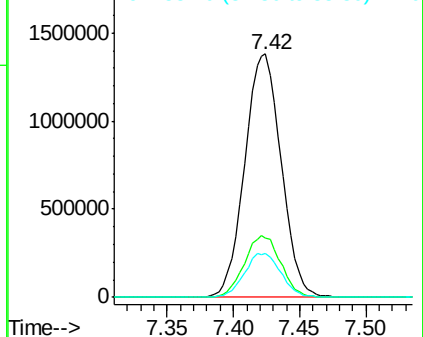
88 18.3 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.341 ppbv

RT: 5.45 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL031962.D

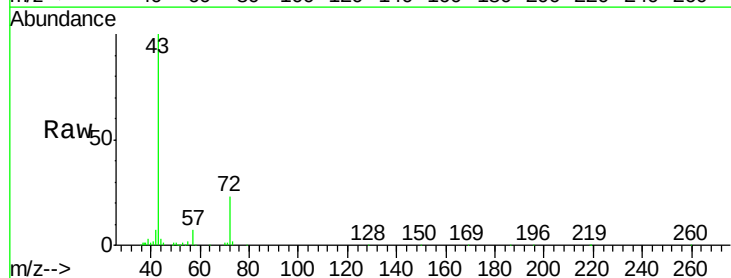
Acq: 3 May 2018 12:44

Tgt Ion: 43 Resp: 245661

Ion Ratio Lower Upper

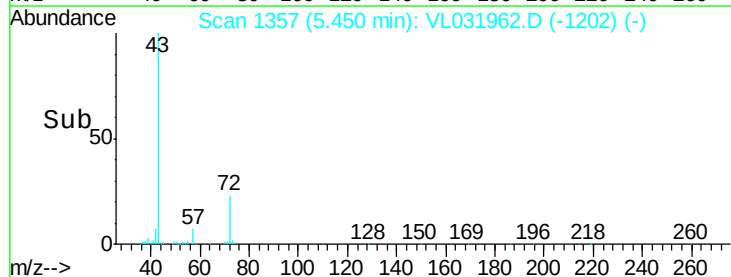
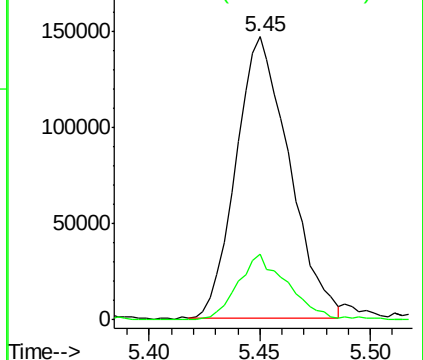
43 100

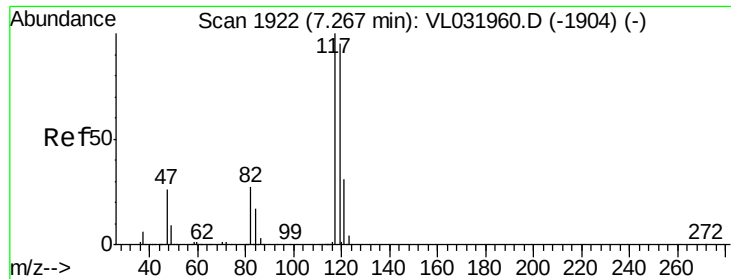
72 22.6 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.909 ppbv

RT: 7.27 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampled :

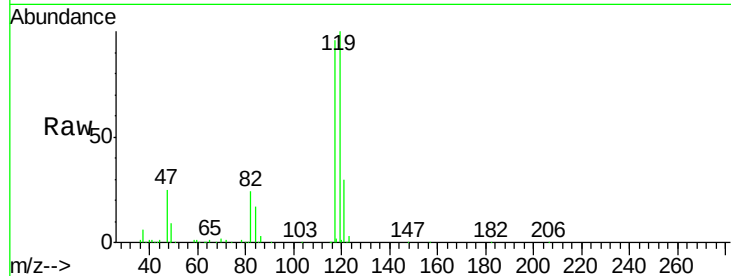
Tot Ion:117 Resp: 208604

Ion Ratio Lower Upper

117 100

119 104.1 76.9 115.3

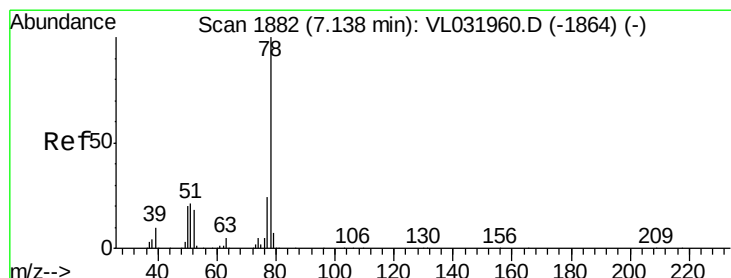
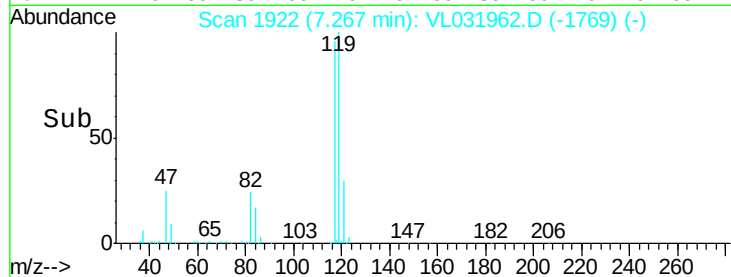
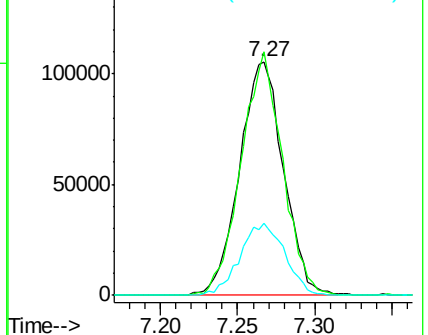
121 30.8 24.5 36.7



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: 1.061 ppbv

RT: 7.13 min Scan# 1881

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

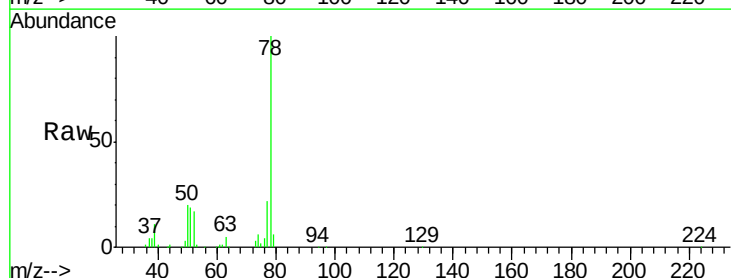
Tgt Ion: 78 Resp: 252146

Ion Ratio Lower Upper

78 100

77 21.6 19.2 28.8

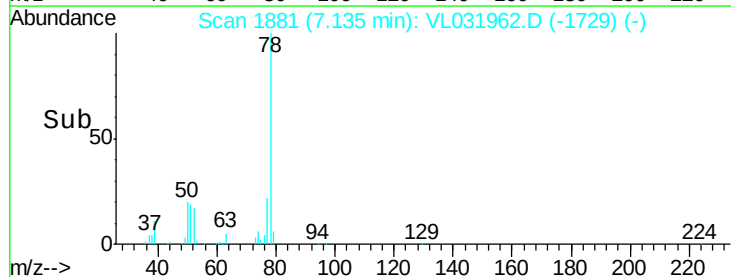
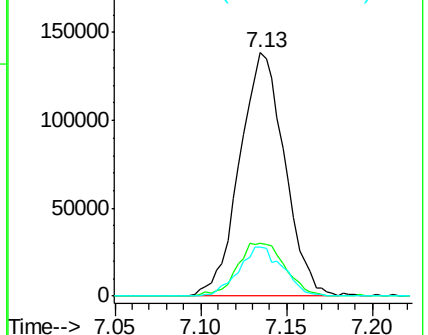
50 20.3 16.7 25.1

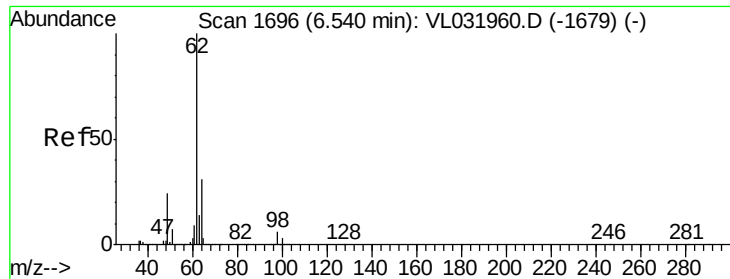


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

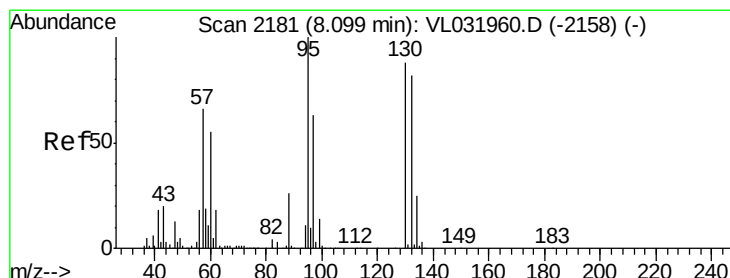
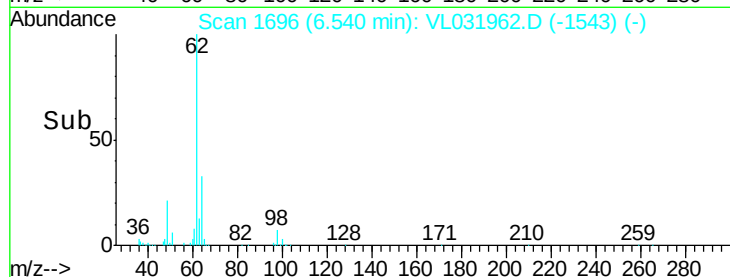
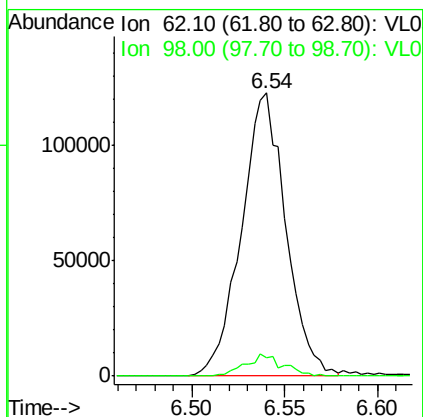
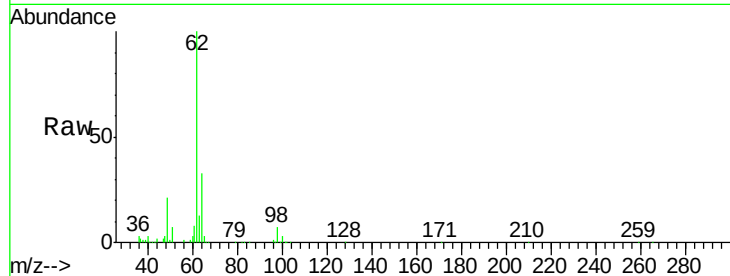




#37
 1,2-Dichloroethane
 Concen: 1.143 ppbv
 RT: 6.54 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

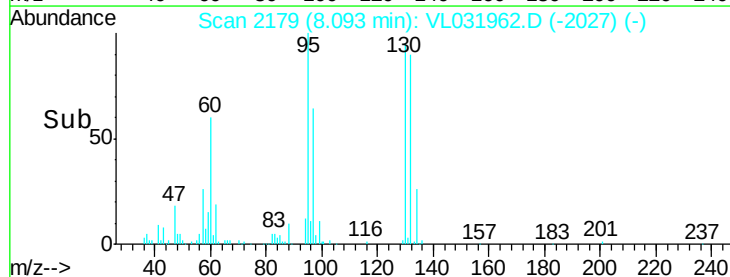
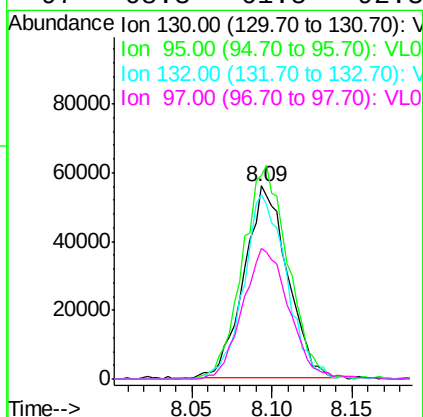
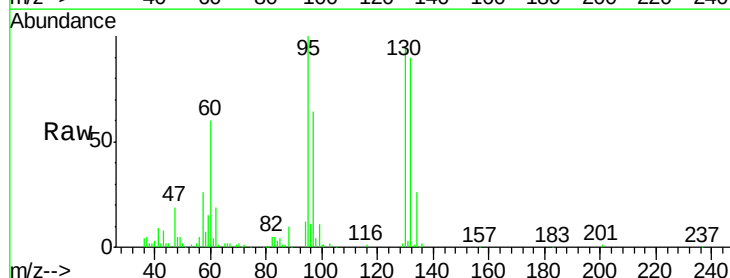
Instrument :
 MSVOA_L
 ClientSampled :

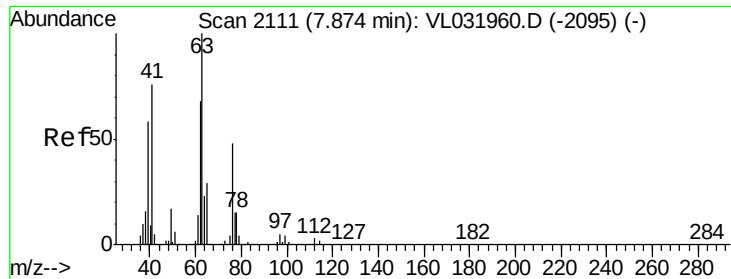
Tot Ion: 62 Resp: 201987
 Ion Ratio Lower Upper
 62 100
 98 6.8 4.0 6.0#



#38
 Trichloroethene
 Concen: 1.069 ppbv
 RT: 8.09 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion:130 Resp: 103103
 Ion Ratio Lower Upper
 130 100
 95 106.3 96.6 144.8
 132 95.6 79.1 118.7
 97 68.3 61.5 92.3





#39

1,2-Dichloropropane

Concen: 1.036 ppbv

RT: 7.87 min Scan# 2109

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

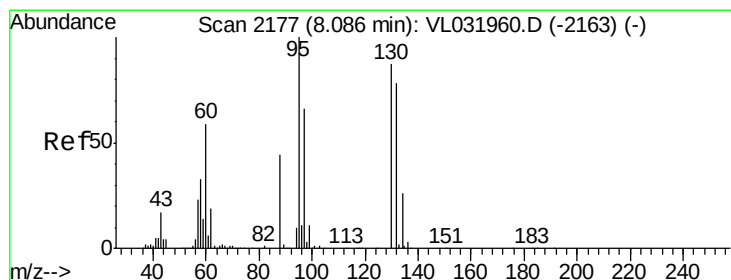
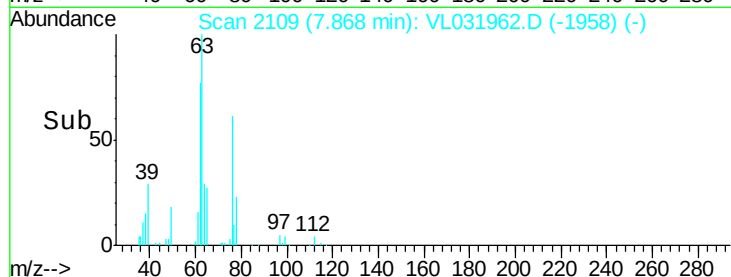
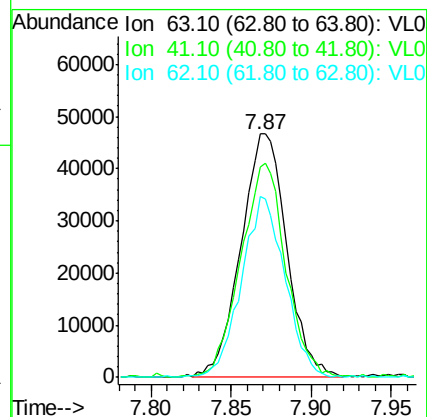
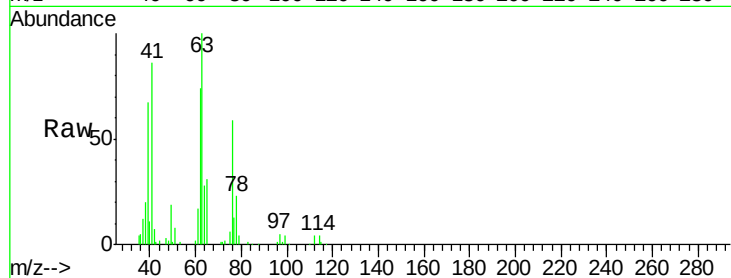
Tot Ion: 63 Resp: 91466

Ion Ratio Lower Upper

63 100

41 85.8 65.8 98.6

62 74.4 55.0 82.6



#40

1,4-Dioxane

Concen: 0.488 ppbv

RT: 8.11 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Tgt Ion: 88 Resp: 17493

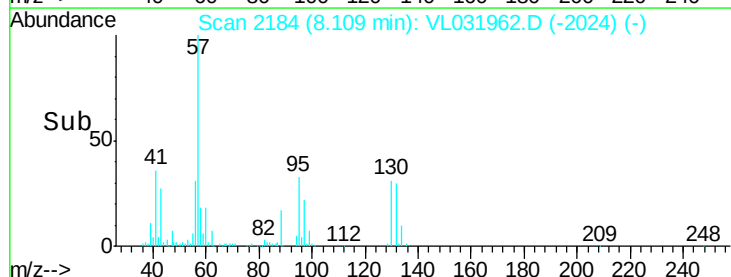
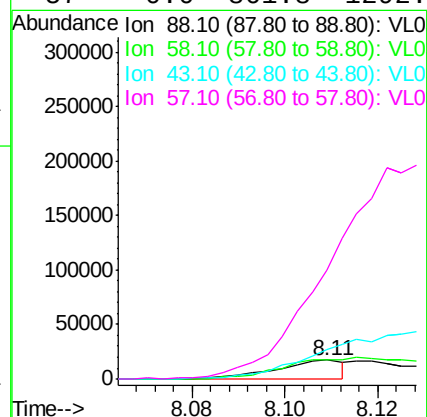
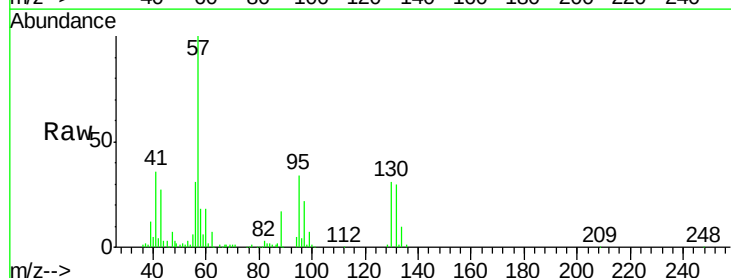
Ion Ratio Lower Upper

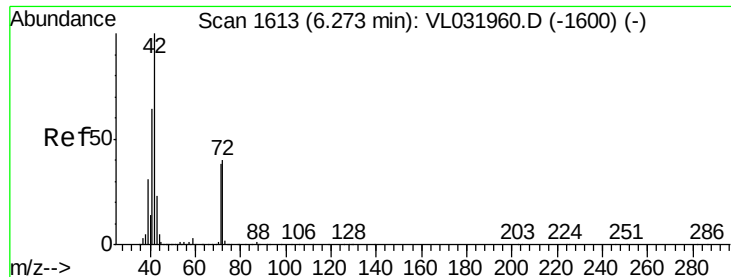
88 100

58 0.0 98.5 147.7#

43 0.0 194.3 291.5#

57 0.0 861.8 1292.6#





#41

Tetrahydrofuran

Concen: 1.035 ppbv

RT: 6.29 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

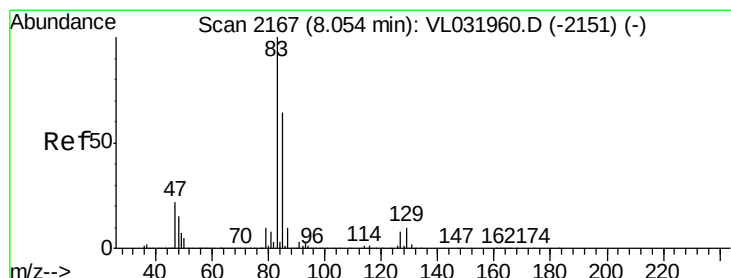
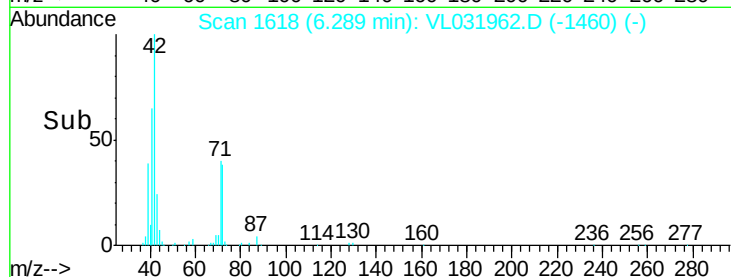
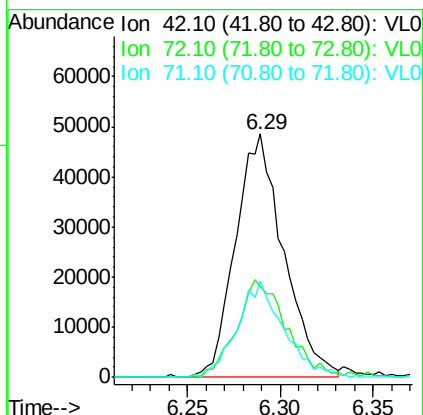
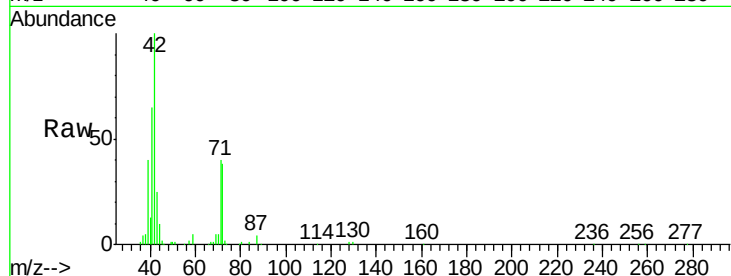
Tot Ion: 42 Resp: 87750

Ion Ratio Lower Upper

42 100

72 42.7 33.2 49.8

71 38.8 31.5 47.3



#42

Bromodichloromethane

Concen: 1.013 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

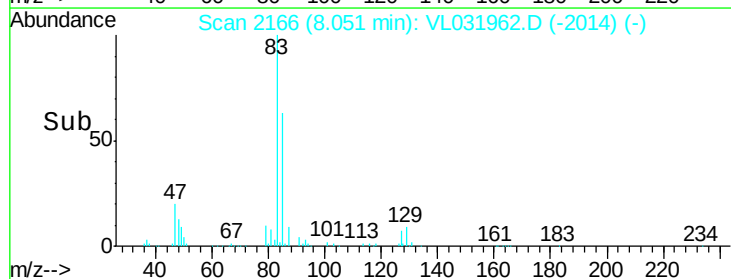
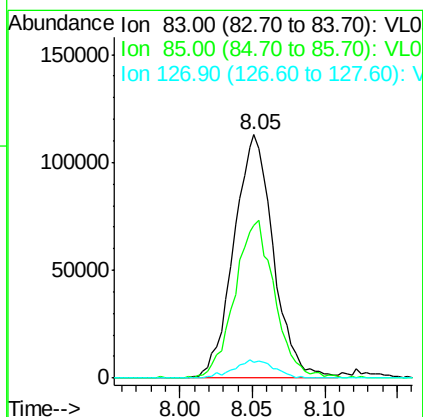
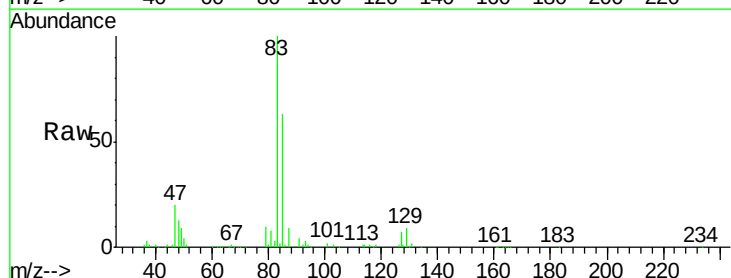
Tgt Ion: 83 Resp: 214271

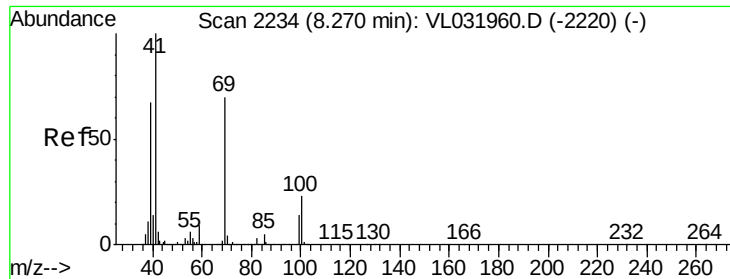
Ion Ratio Lower Upper

83 100

85 62.2 50.5 75.7

127 6.7 6.0 9.0

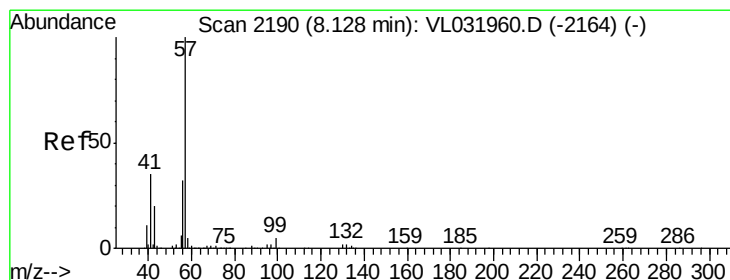
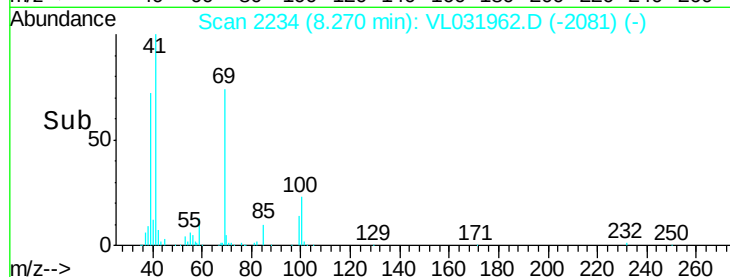
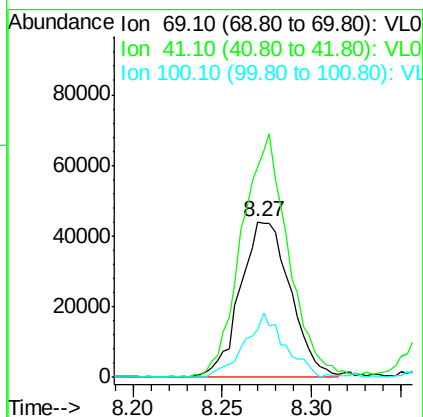
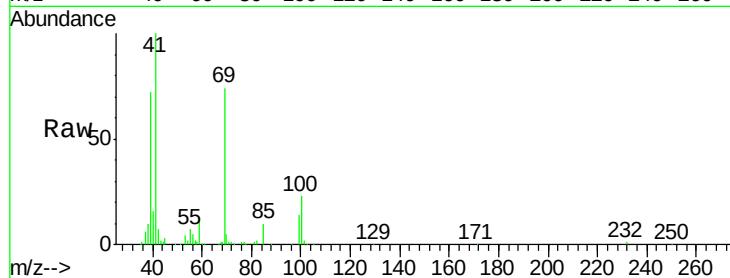




#43
Methyl Methacrylate
Concen: 1.034 ppbv
RT: 8.27 min Scan# 2234
Delta R.T. -0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

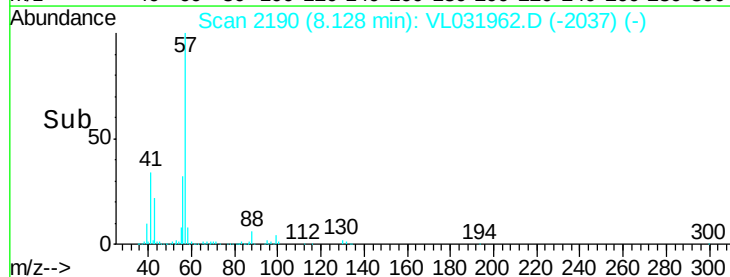
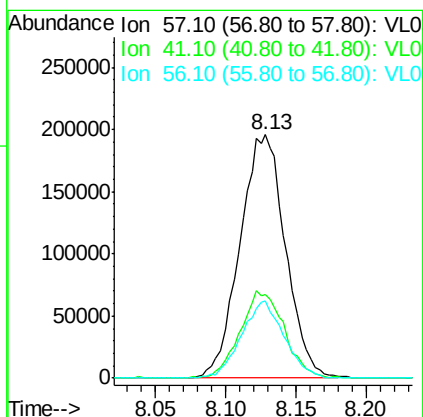
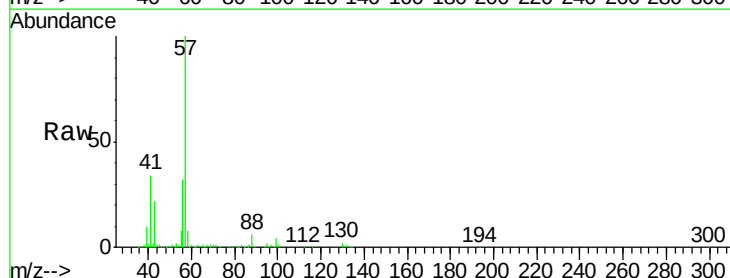
Instrument :
MSVOA_L
ClientSampleId :

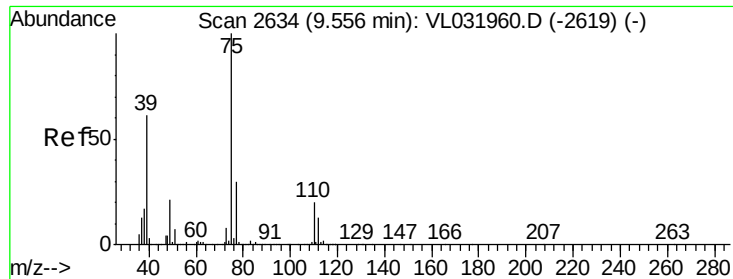
Tot Ion: 69 Resp: 86430
Ion Ratio Lower Upper
69 100
41 146.2 117.8 176.8
100 33.1 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 1.079 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

Tgt Ion: 57 Resp: 441299
Ion Ratio Lower Upper
57 100
41 34.8 27.0 40.6
56 30.0 24.1 36.1





#45

t-1,3-Dichloropropene

Concen: 0.508 ppbv

RT: 9.55 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

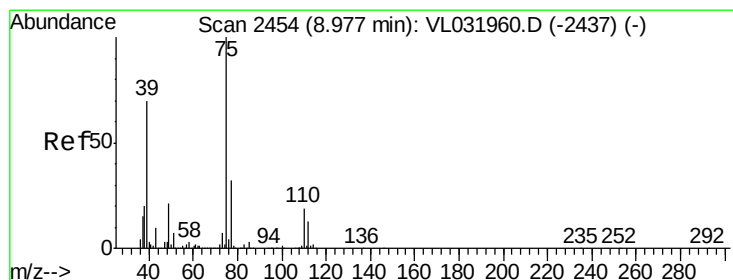
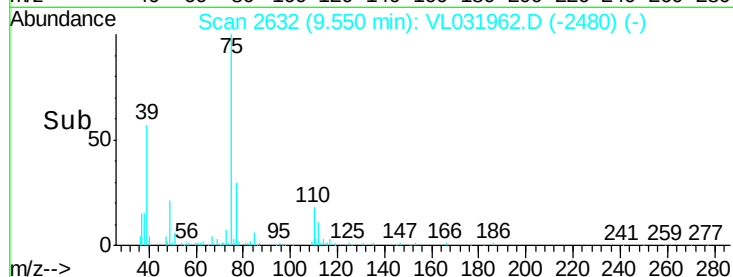
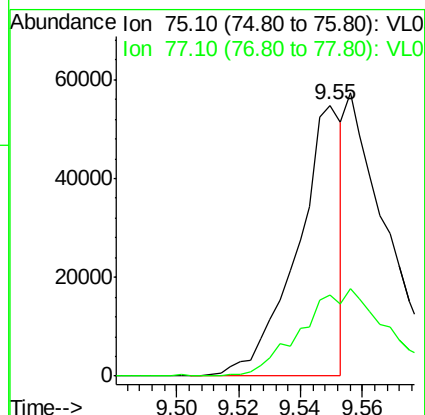
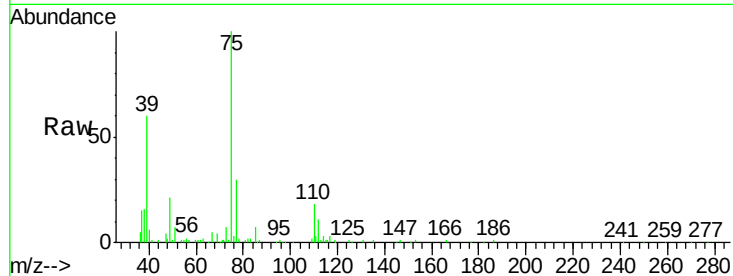
ClientSampleId :

Tot Ion: 75 Resp: 55106

Ion Ratio Lower Upper

75 100

77 29.9 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 1.001 ppbv

RT: 8.97 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

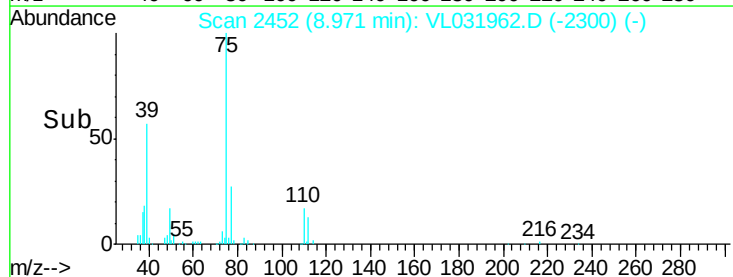
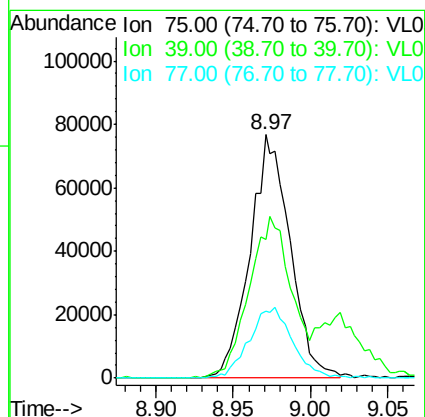
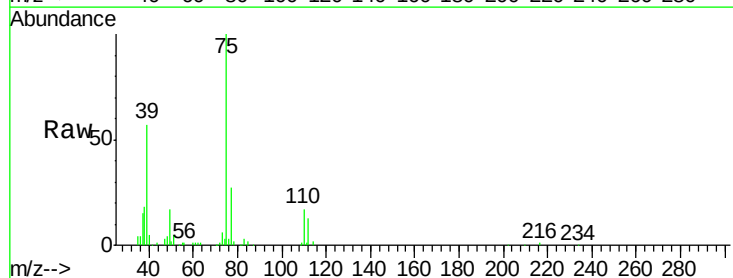
Tgt Ion: 75 Resp: 138650

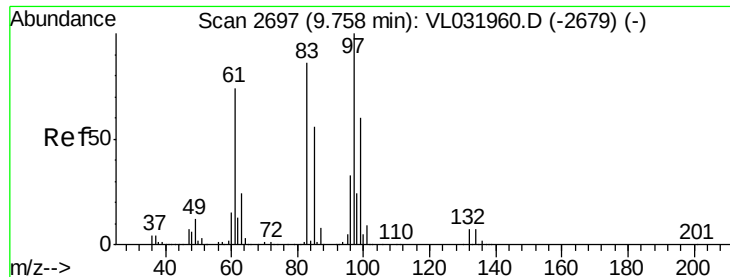
Ion Ratio Lower Upper

75 100

39 56.5 58.6 87.8#

77 27.3 26.8 40.2

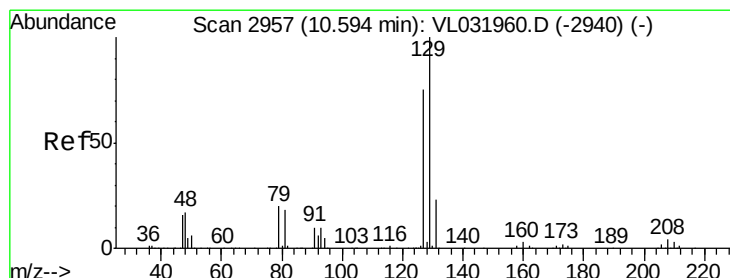
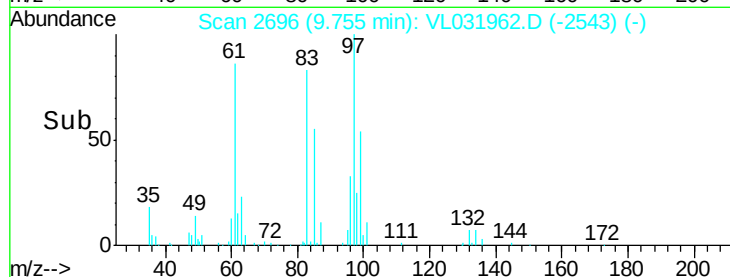
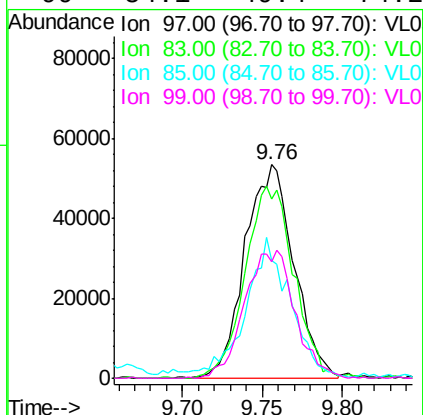
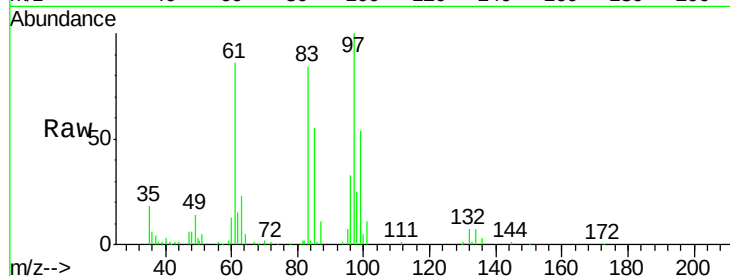




#47
 1,1,2-Trichloroethane
 Concen: 1.066 ppbv
 RT: 9.76 min Scan# 2696
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

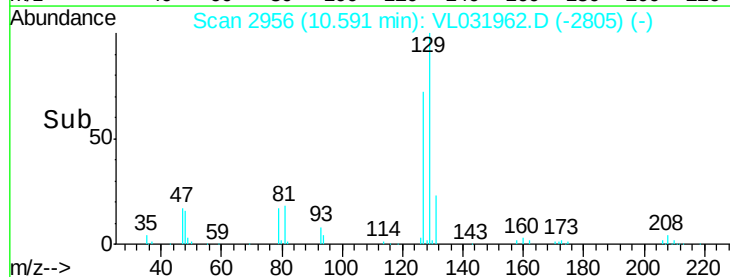
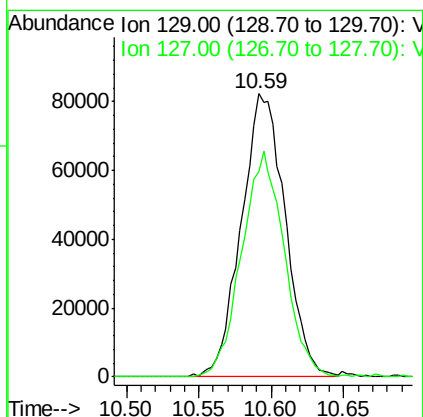
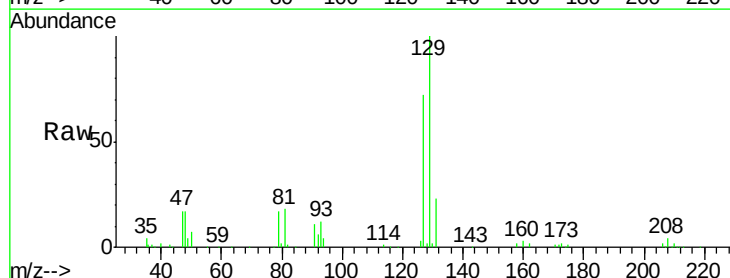
Instrument :
 MSVOA_L
 ClientSampleId :

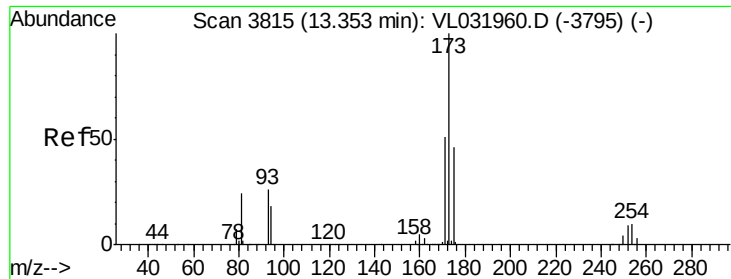
Tot Ion: 97 Resp: 111860
 Ion Ratio Lower Upper
 97 100
 83 83.8 69.1 103.7
 85 53.9 43.7 65.5
 99 54.1 49.4 74.2



#48
 Dibromochloromethane
 Concen: 1.021 ppbv
 RT: 10.59 min Scan# 2956
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion: 129 Resp: 173173
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.1 117.5





#49

Bromoform

Concen: 0.994 ppbv

RT: 13.35 min Scan# 3814

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

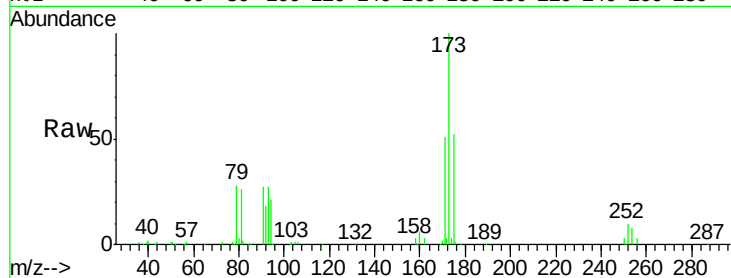
Tot Ion:173 Resp: 129819

Ion Ratio Lower Upper

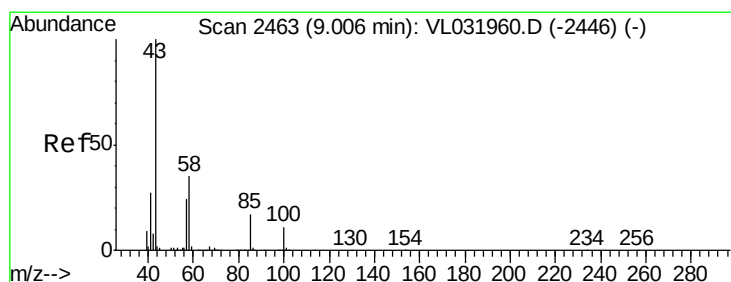
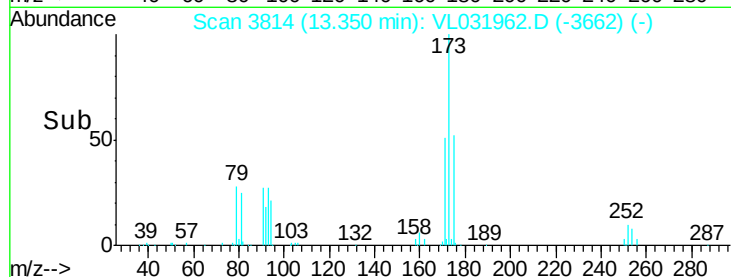
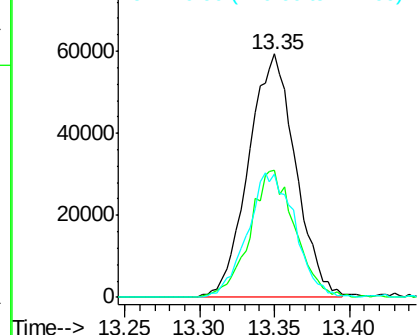
173 100

175 50.4 39.0 58.6

171 52.0 41.4 62.0



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: 1.044 ppbv

RT: 9.02 min Scan# 2467

Delta R.T. 0.00 min

Lab File: VL031962.D

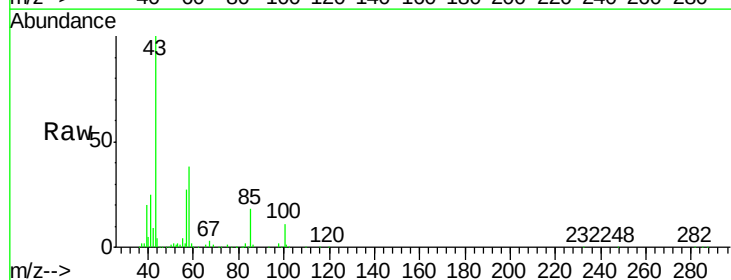
Acq: 3 May 2018 12:44

Tgt Ion: 43 Resp: 218839

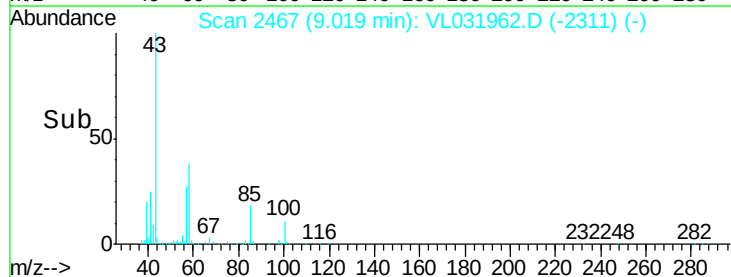
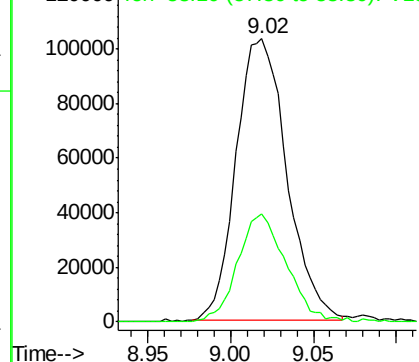
Ion Ratio Lower Upper

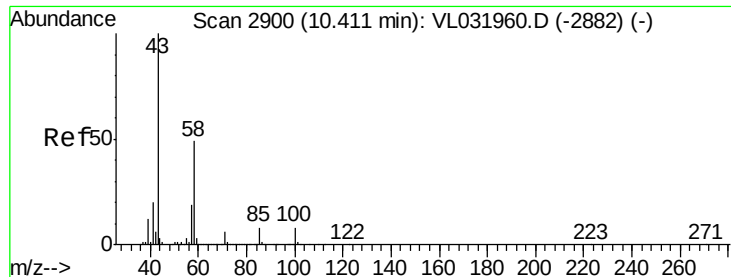
43 100

58 37.2 28.6 43.0



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

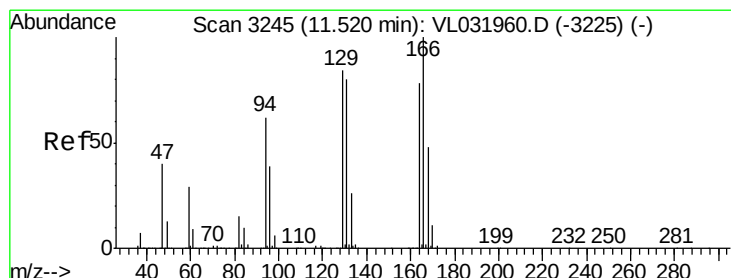
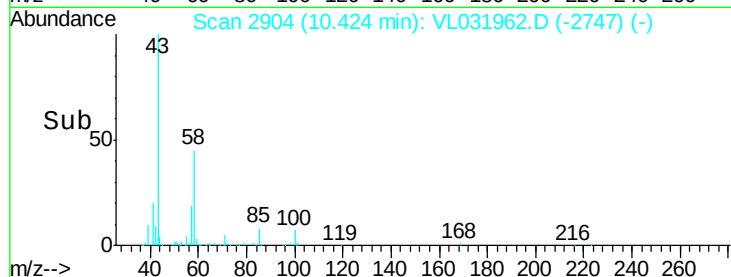
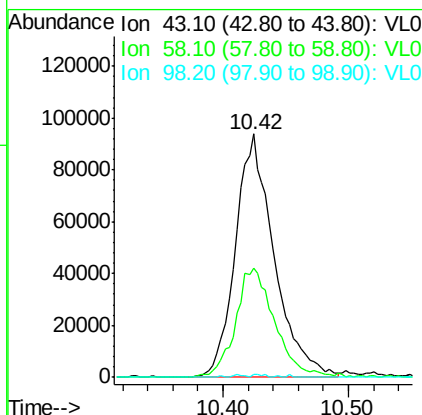
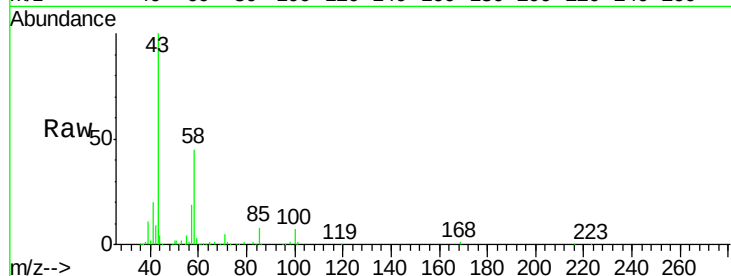




#51
2-Hexanone
Concen: 1.096 ppbv
RT: 10.42 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

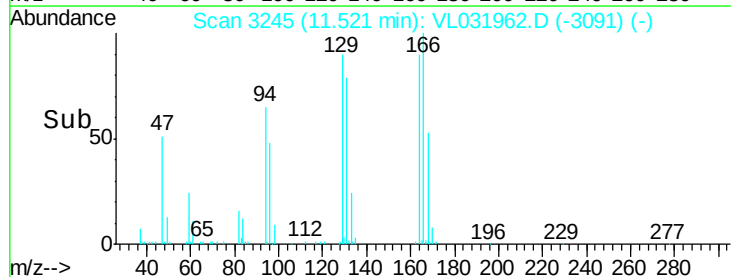
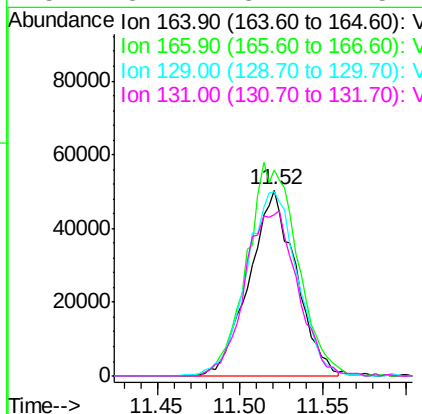
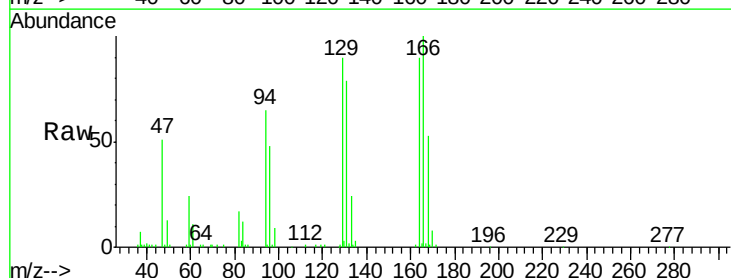
Instrument :
MSVOA_L
ClientSampleId :

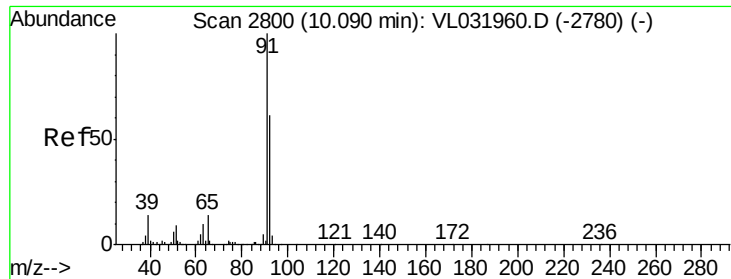
Tot Ion: 43 Resp: 200988
Ion Ratio Lower Upper
43 100
58 45.7 38.5 57.7
98 1.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 1.064 ppbv
RT: 11.52 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

Tgt Ion: 164 Resp: 98463
Ion Ratio Lower Upper
164 100
166 110.7 98.2 147.4
129 98.3 86.5 129.7
131 87.1 82.2 123.2





#53

Toluene

Concen: 1.062 ppbv

RT: 10.09 min Scan# 2800

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

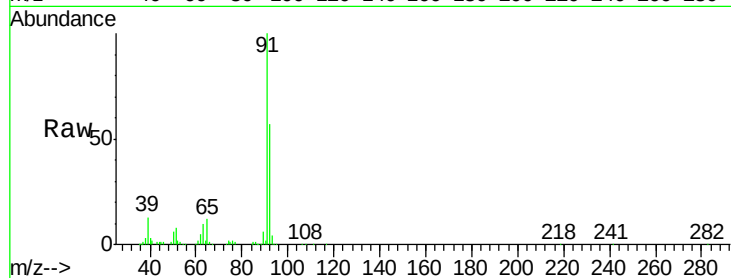
ClientSampleId :

Tot Ion: 91 Resp: 281222

Ion Ratio Lower Upper

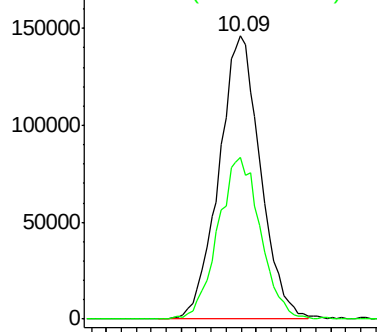
91 100

92 58.8 47.4 71.2

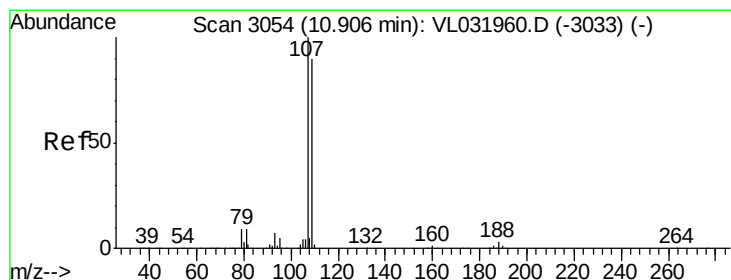
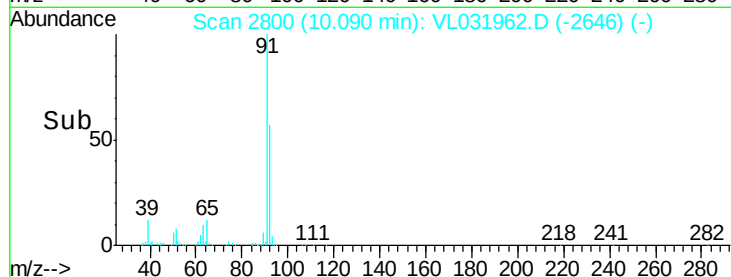


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 1.049 ppbv

RT: 10.91 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VL031962.D

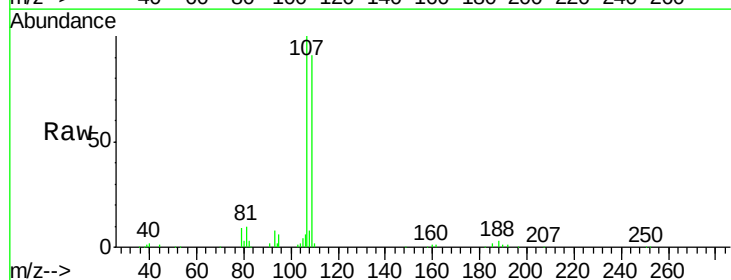
Acq: 3 May 2018 12:44

Tgt Ion: 107 Resp: 159884

Ion Ratio Lower Upper

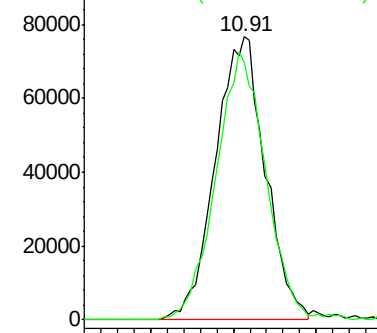
107 100

109 91.1 74.6 112.0

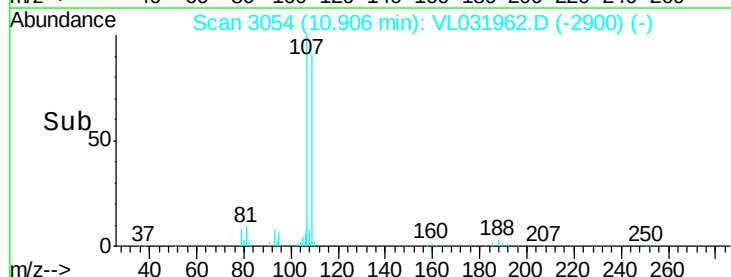


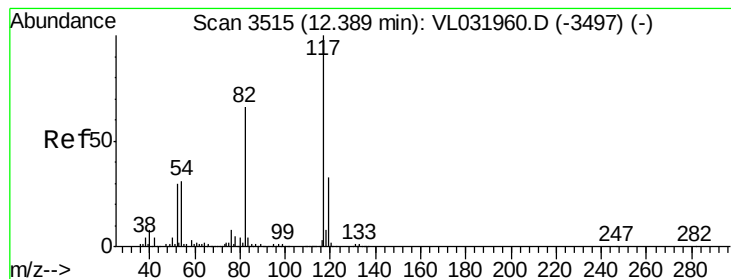
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampled :

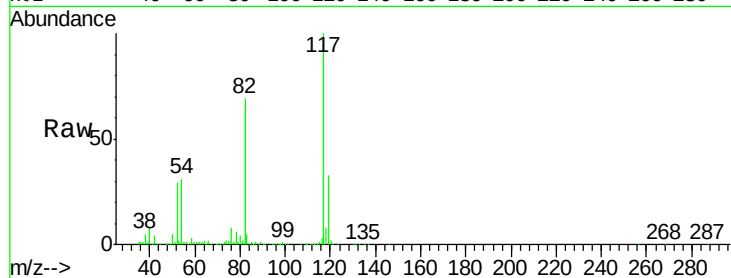
Tot Ion:117 Resp: 2594115

Ion Ratio Lower Upper

117 100

82 66.0 54.6 81.8

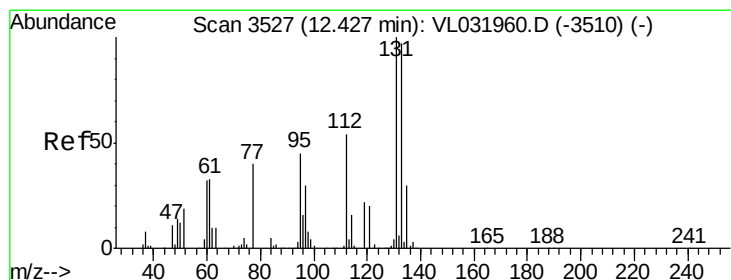
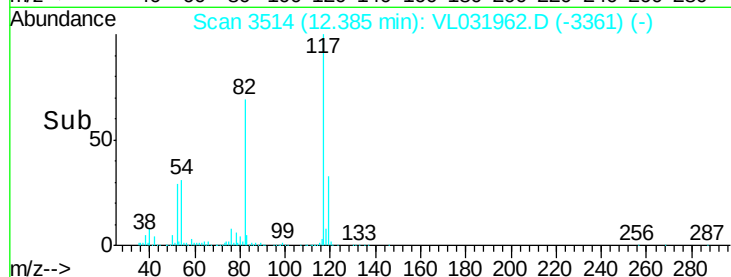
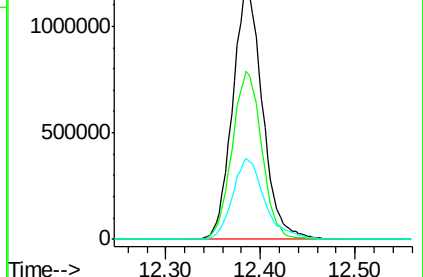
119 34.5 26.0 39.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.515 ppbv

RT: 12.43 min Scan# 3527

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

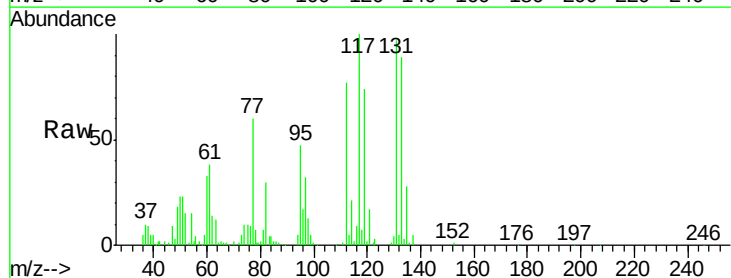
Tgt Ion:131 Resp: 62843

Ion Ratio Lower Upper

131 100

133 202.1 76.1 114.1#

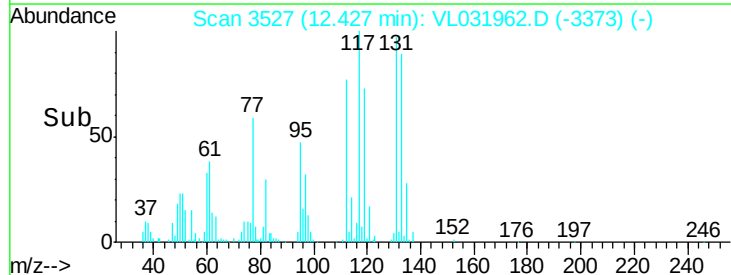
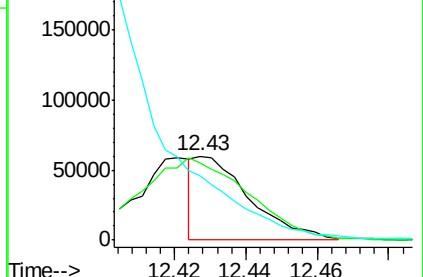
119 0.0 106.3 159.5#

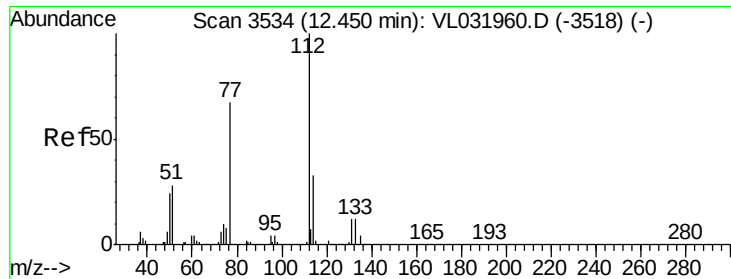


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.125 ppbv

RT: 12.45 min Scan# 3533

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

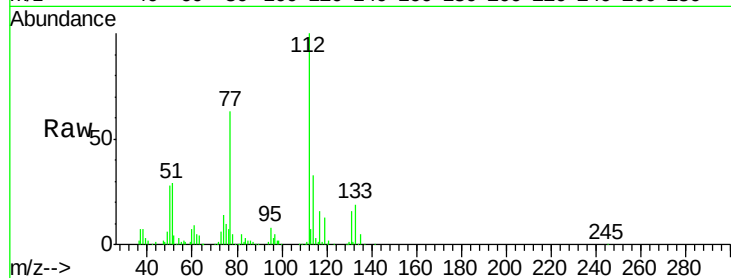
Tot Ion:112 Resp: 247361

Ion Ratio Lower Upper

112 100

77 62.6 57.0 85.6

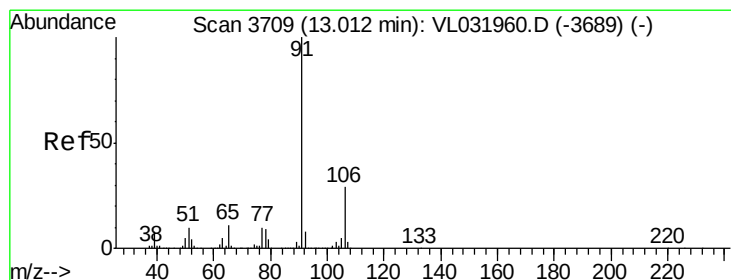
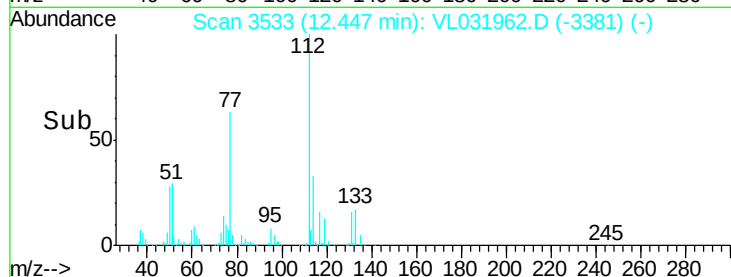
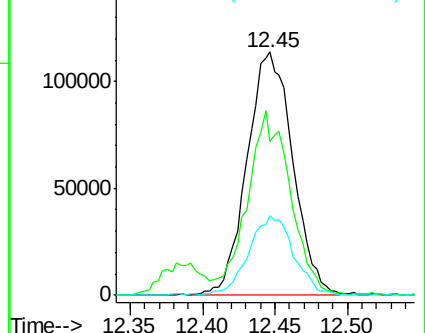
114 32.7 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.090 ppbv

RT: 13.01 min Scan# 3708

Delta R.T. -0.01 min

Lab File: VL031962.D

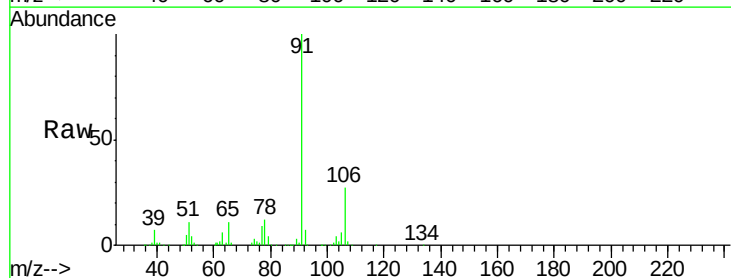
Acq: 3 May 2018 12:44

Tgt Ion: 91 Resp: 392716

Ion Ratio Lower Upper

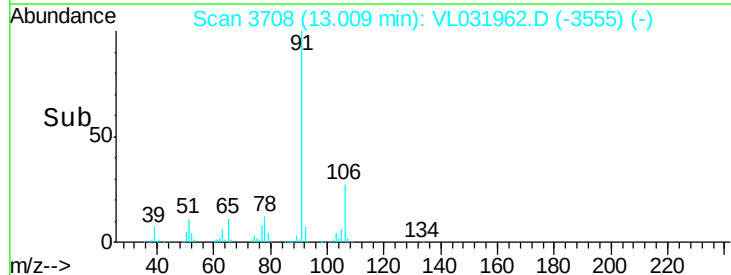
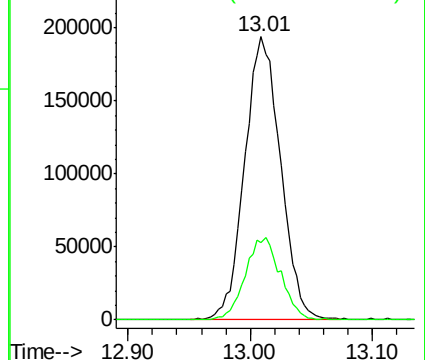
91 100

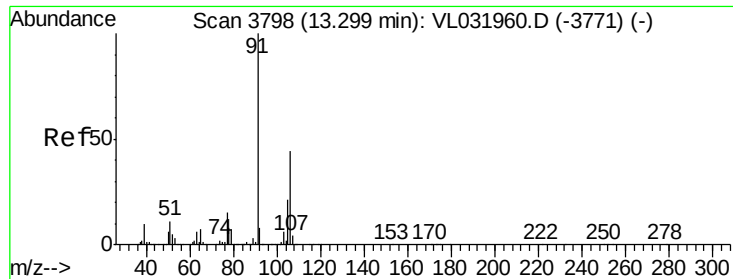
106 27.4 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

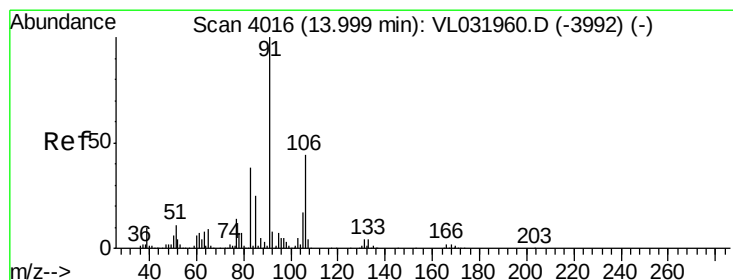
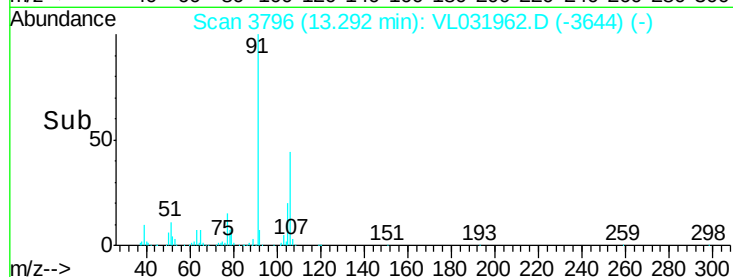
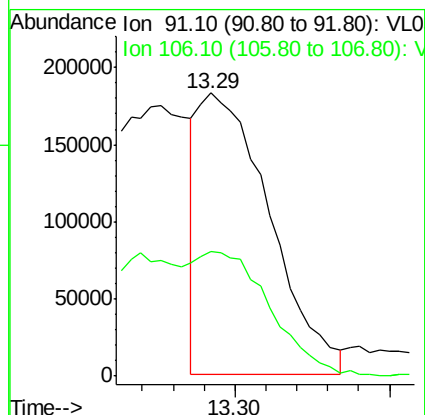
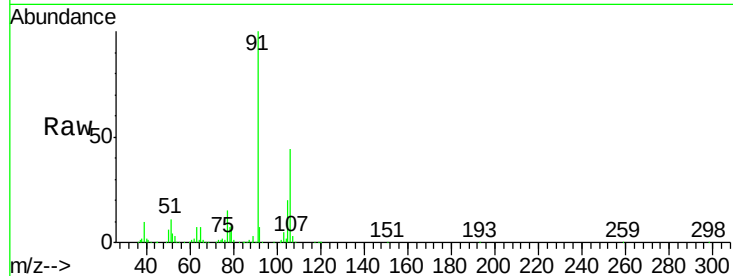




#59
m/p-Xylene
Concen: 0.934 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.01 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

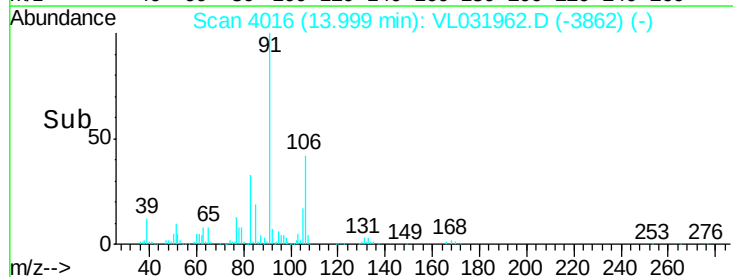
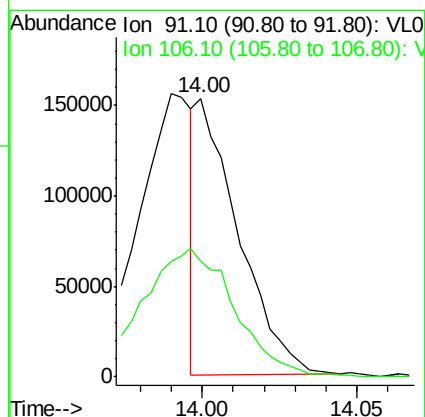
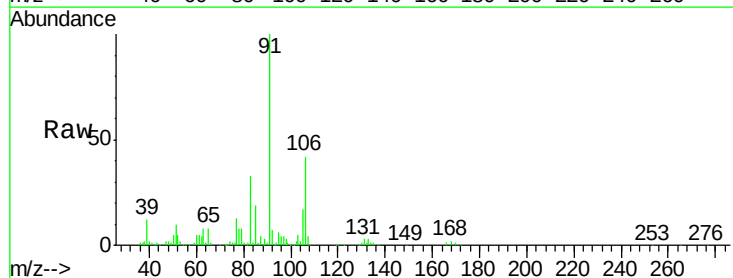
Instrument :
MSVOA_L
ClientSampled :

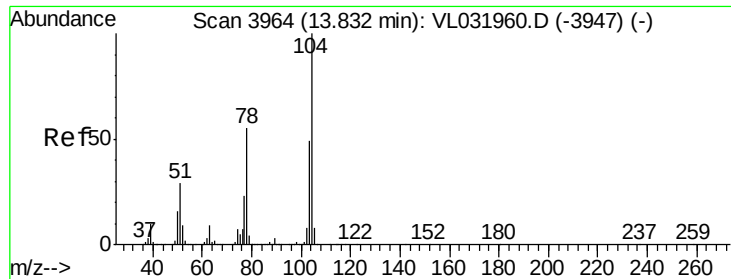
Tot Ion: 91 Resp: 292148
Ion Ratio Lower Upper
91 100
106 103.4 35.5 53.3#



#60
o-Xylene
Concen: 0.458 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031962.D
Acq: 3 May 2018 12:44

Tgt Ion: 91 Resp: 143183
Ion Ratio Lower Upper
91 100
106 105.2 21.3 63.9#





#61

Stvrene

Concen: 0.529 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

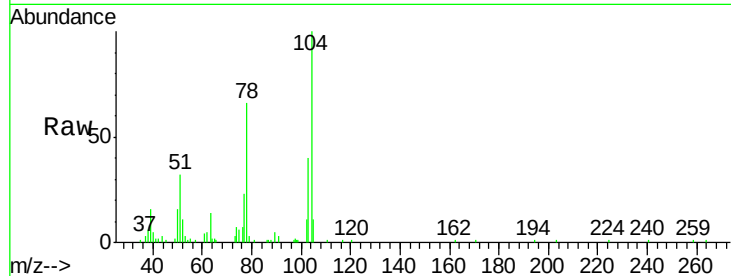
Tot Ion:104 Resp: 31489

Ion Ratio Lower Upper

104 100

78 107.0 44.4 66.6#

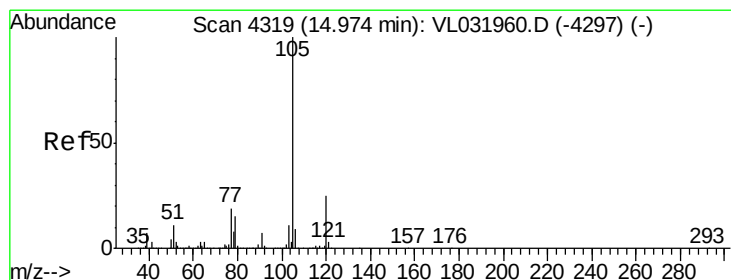
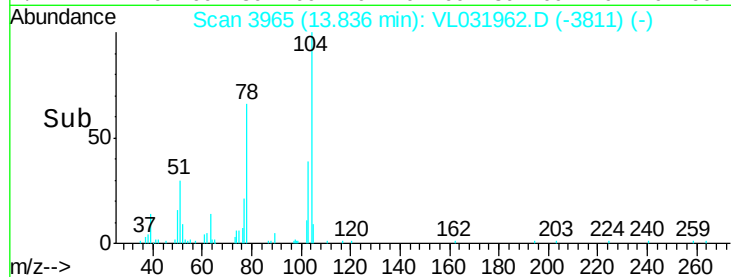
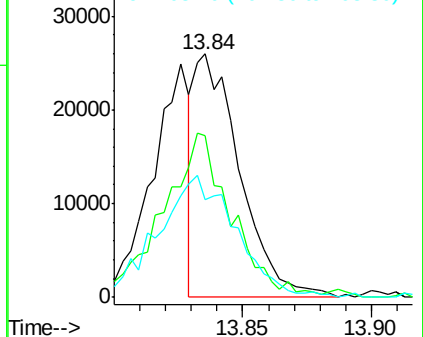
103 88.1 37.9 56.9#



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: 1.084 ppbv

RT: 14.97 min Scan# 4319

Delta R.T. -0.01 min

Lab File: VL031962.D

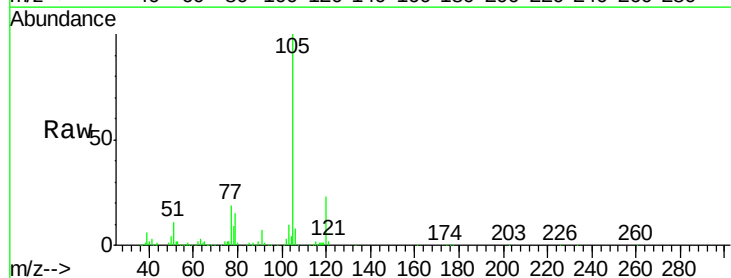
Acq: 3 May 2018 12:44

Tgt Ion:105 Resp: 435476

Ion Ratio Lower Upper

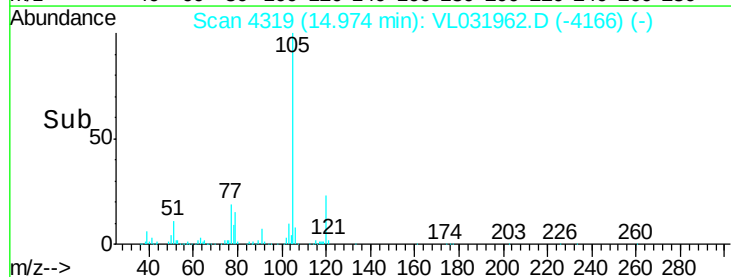
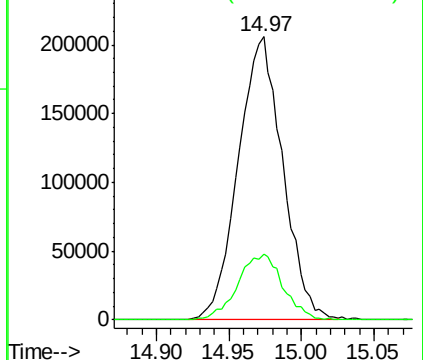
105 100

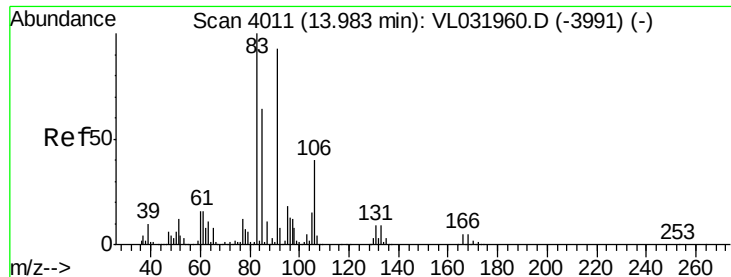
120 23.8 19.4 29.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

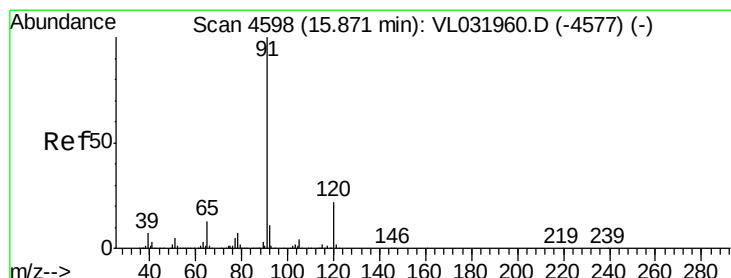
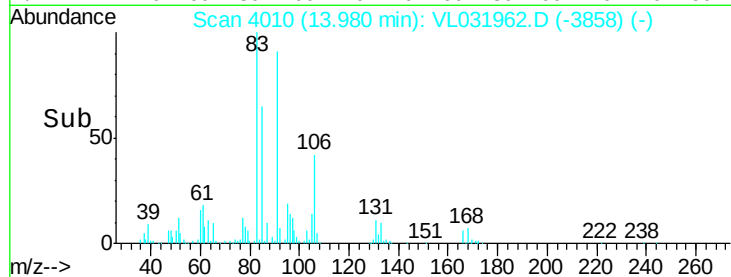
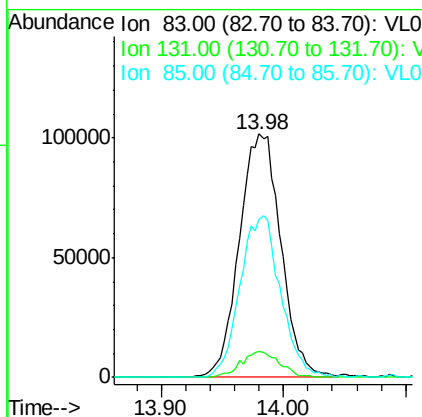
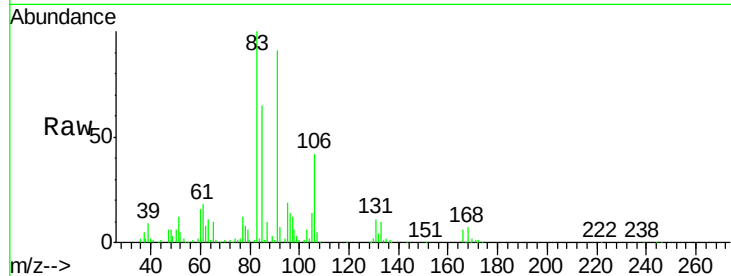




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.994 ppbv
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

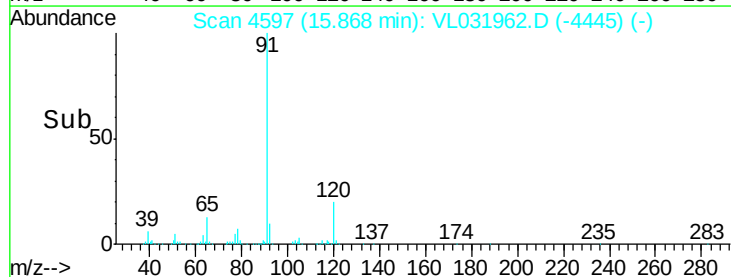
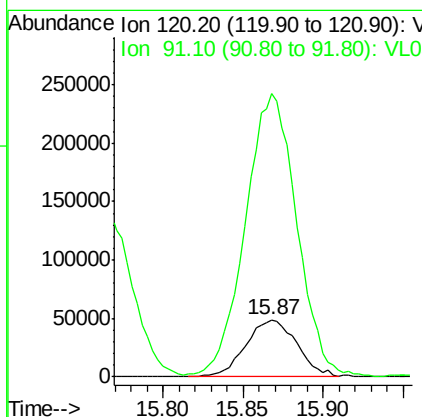
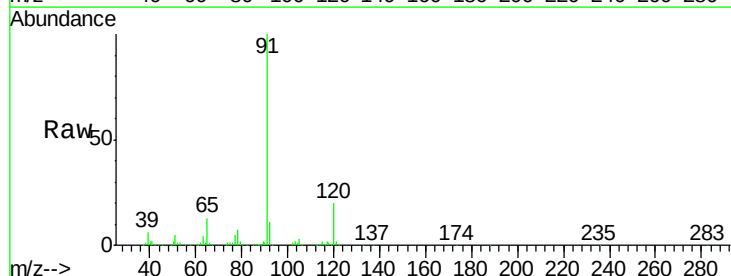
Instrument :
 MSVOA_L
 ClientSampleId :

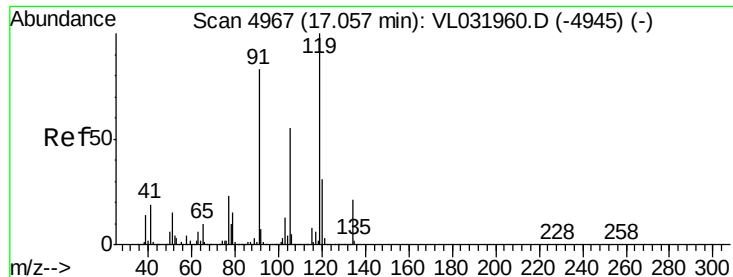
Tot Ion	83	Resp	238979
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.6	32.2	96.6



#64
 n-propylbenzene
 Concen: 1.100 ppbv
 RT: 15.87 min Scan# 4597
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion	120	Resp	107434
Ion Ratio	Lower	Upper	
120	100		
91	499.4	393.7	590.5





#65

tert-Butylbenzene

Concen: 1.141 ppbv

RT: 17.05 min Scan# 4966

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

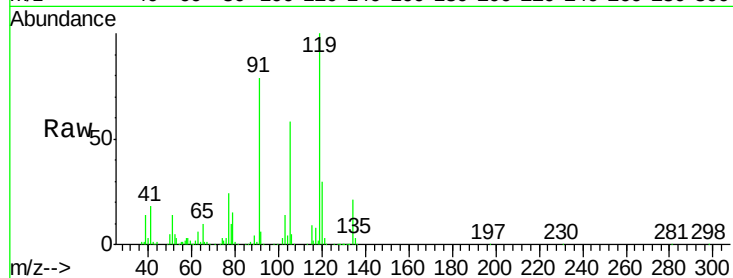
Tot Ion:119 Resp: 394017

Ion Ratio Lower Upper

119 100

91 87.7 69.4 104.0

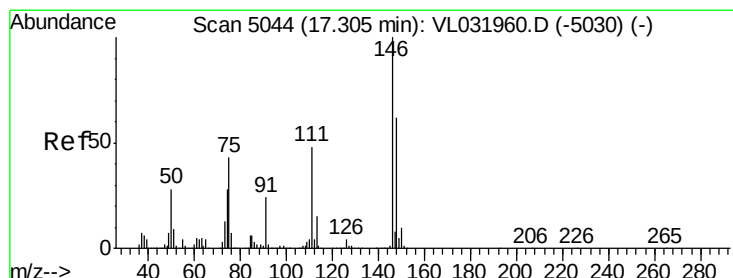
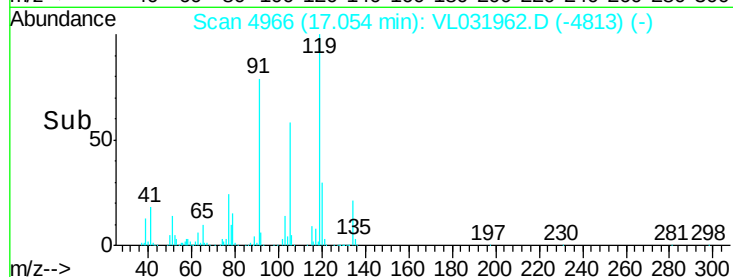
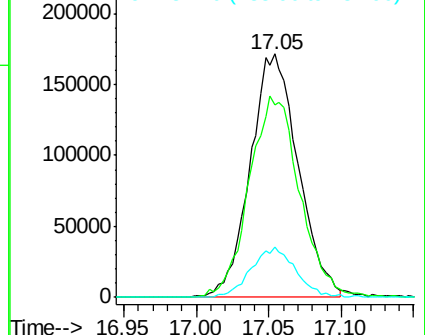
134 19.4 15.4 23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.271 ppbv

RT: 17.30 min Scan# 5044

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

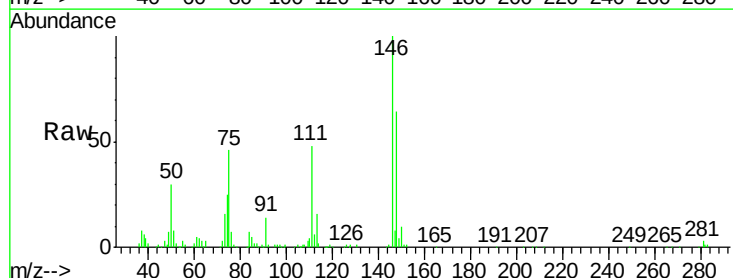
Tgt Ion: 91 Resp: 8426

Ion Ratio Lower Upper

91 100

126 59.5 12.6 19.0#

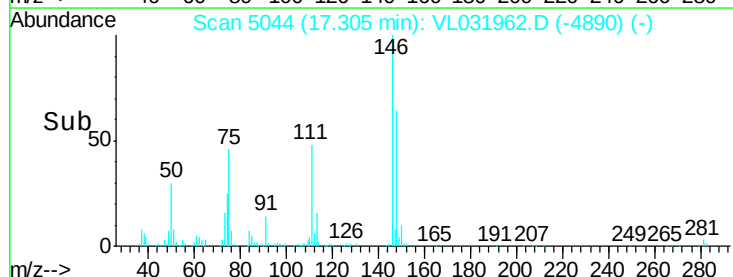
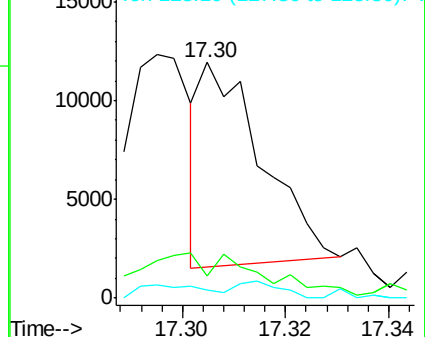
128 15.4 4.0 6.0#

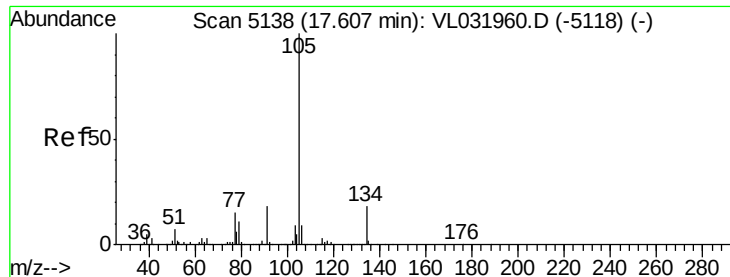


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.099 ppbv

RT: 17.60 min Scan# 5136

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

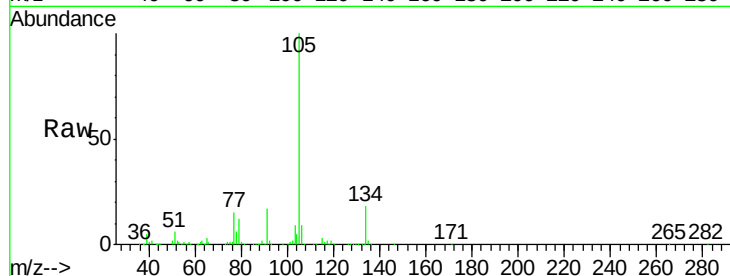
ClientSampleId :

Tot Ion:105 Resp: 546803

Ion Ratio Lower Upper

105 100

134 18.1 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

250000

200000

150000

100000

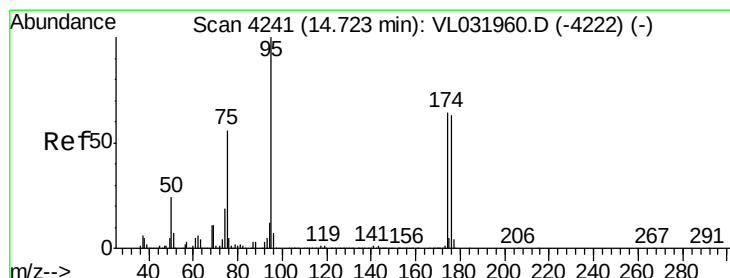
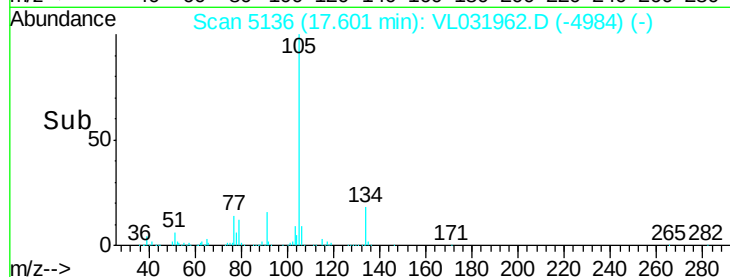
50000

0

17.50

17.60

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.560 ppbv

RT: 14.72 min Scan# 4240

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

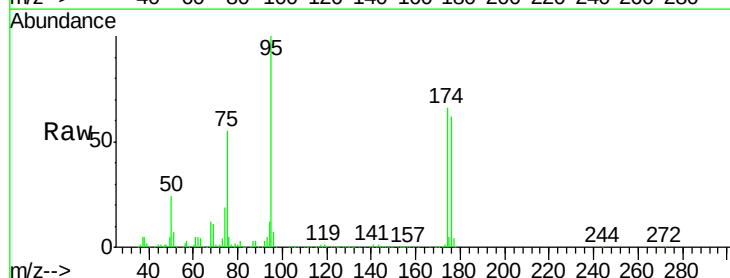
Tgt Ion: 95 Resp: 1994080

Ion Ratio Lower Upper

95 100

174 66.1 52.3 78.5

175 5.0 3.9 5.9



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

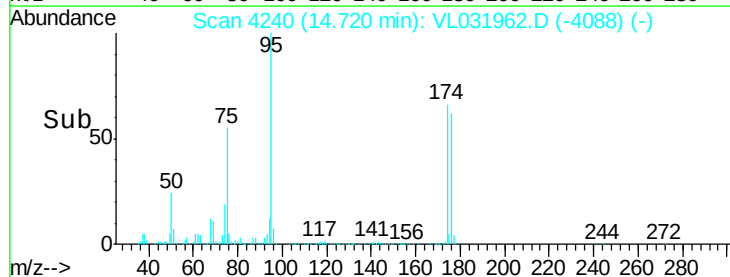
200000

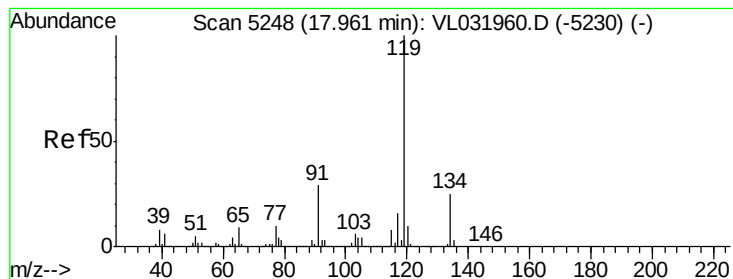
0

14.70

14.80

Time-->





#69

p-Isopropyltoluene

Concen: 1.115 ppbv

RT: 17.96 min Scan# 5247

Delta R.T. -0.01 min

Lab File: VL031962.D

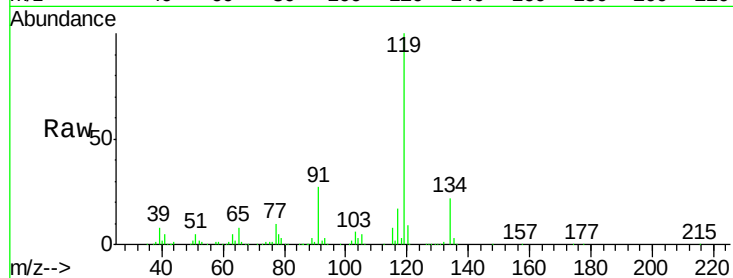
Acq: 3 May 2018 12:44

Instrument :

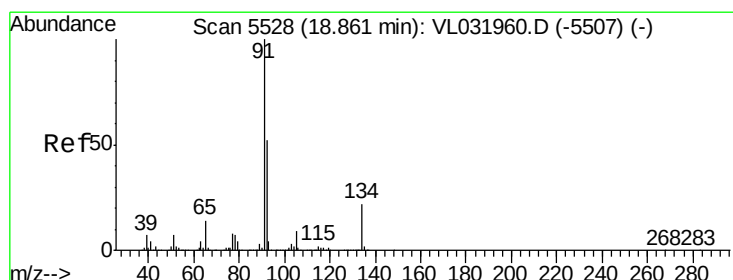
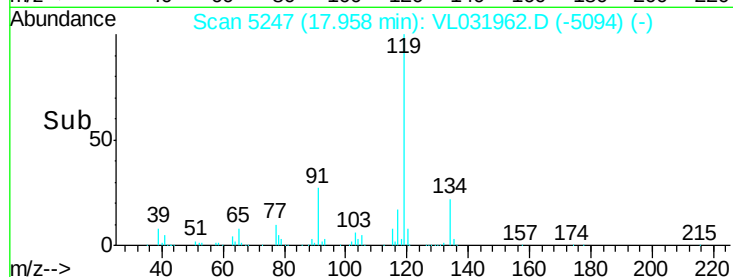
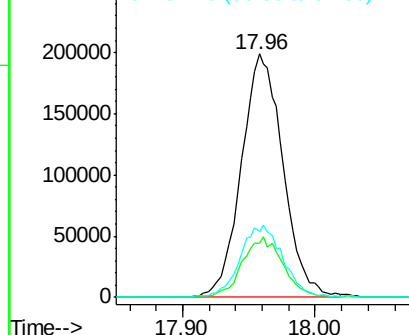
MSVOA_L

ClientSampleId :

Tot Ion:119	Resp:	430257
Ion	Ratio	Lower Upper
119	100	
134	24.5	20.0 30.0
91	30.8	24.9 37.3



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: 1.122 ppbv

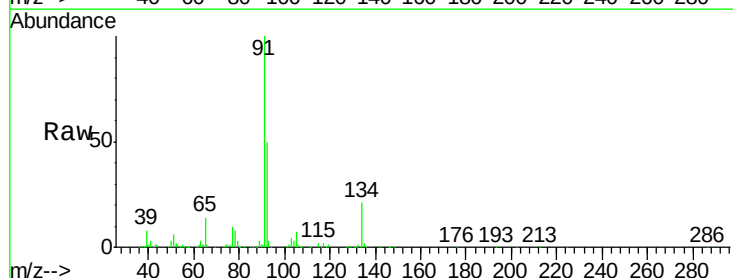
RT: 18.86 min Scan# 5527

Delta R.T. -0.01 min

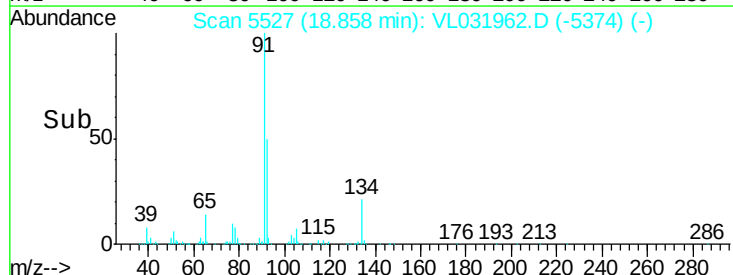
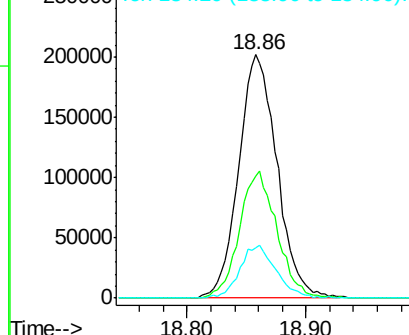
Lab File: VL031962.D

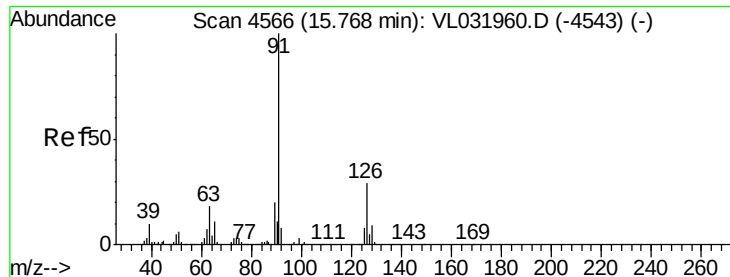
Acq: 3 May 2018 12:44

Tgt Ion: 91	Resp:	450524
Ion	Ratio	Lower Upper
91	100	
92	51.1	42.2 63.4
134	20.6	17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 1.091 ppbv

RT: 15.76 min Scan# 4565

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

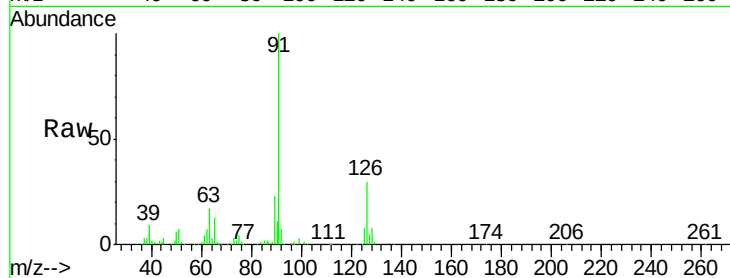
ClientSampleId :

Tot Ion: 91 Resp: 316875

Ion Ratio Lower Upper

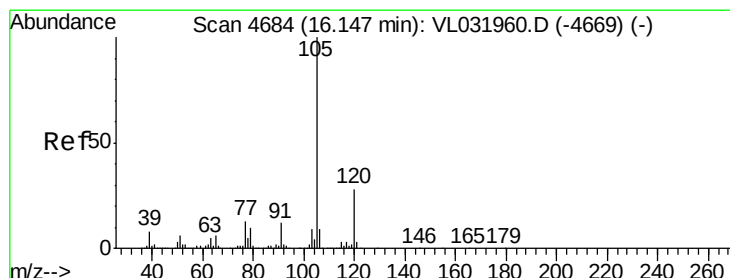
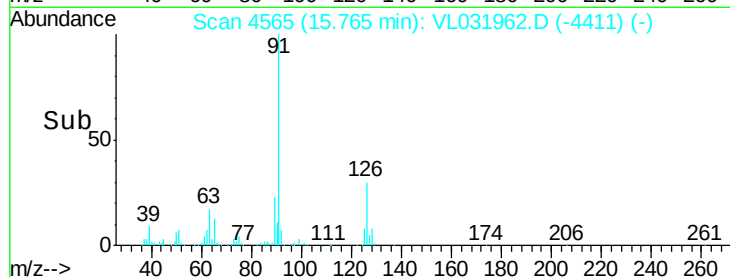
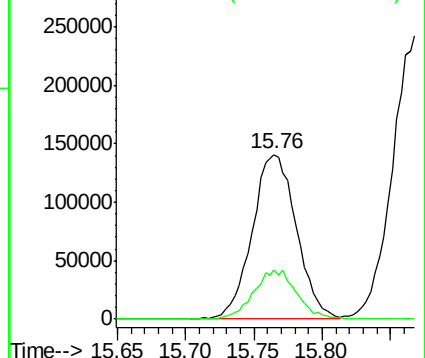
91 100

126 28.9 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.063 ppbv

RT: 16.14 min Scan# 4683

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Tgt Ion: 105 Resp: 339790

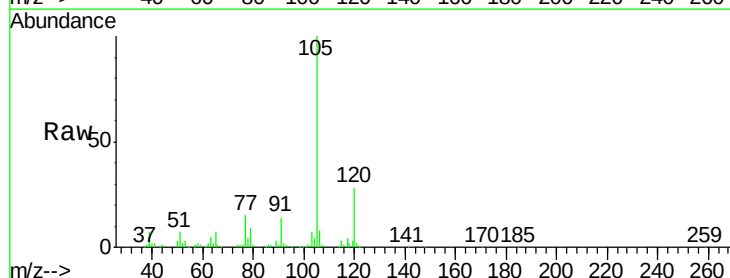
Ion Ratio Lower Upper

105 100

120 29.2 22.7 34.1

91 14.6 10.6 16.0

77 14.9 11.4 17.0

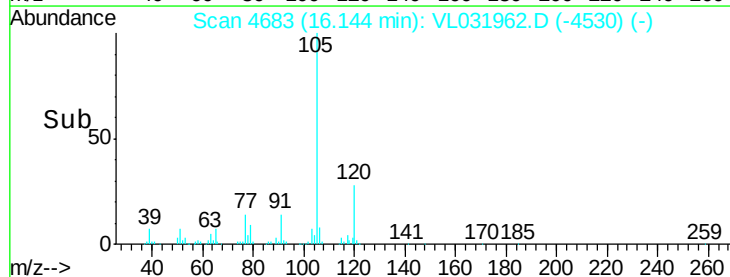
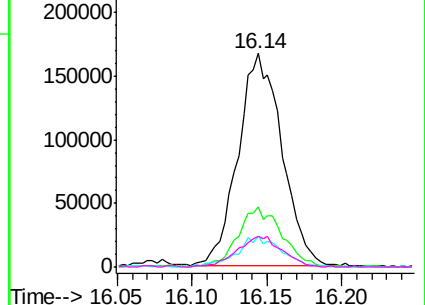


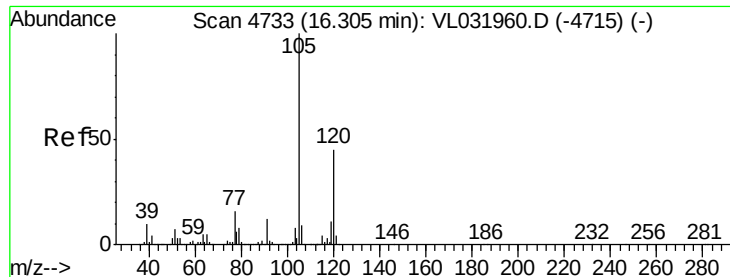
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 1.078 ppbv

RT: 16.30 min Scan# 4732

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

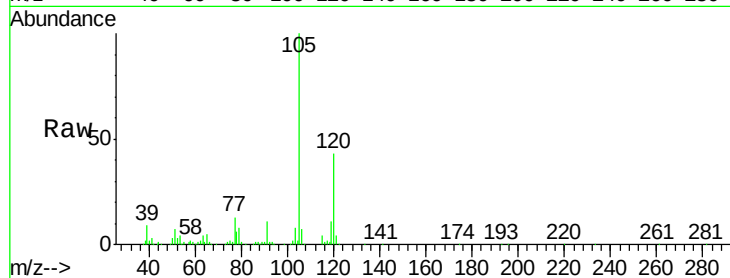
ClientSampleId :

Tot Ion:105 Resp: 315231

Ion Ratio Lower Upper

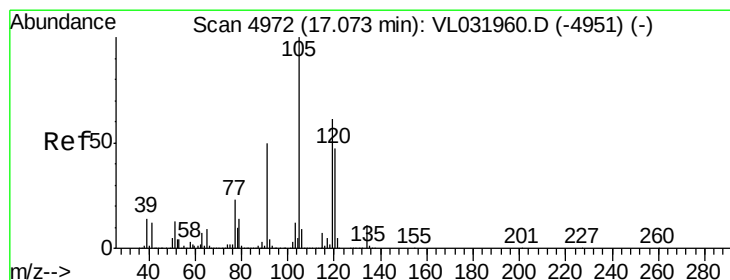
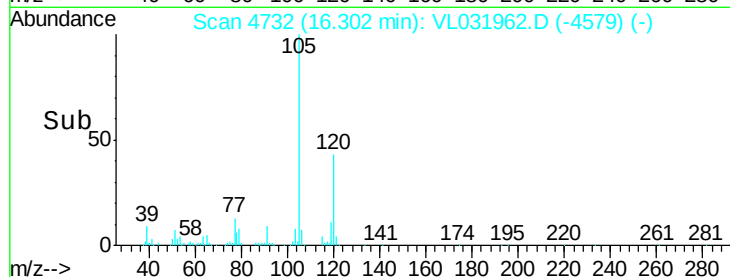
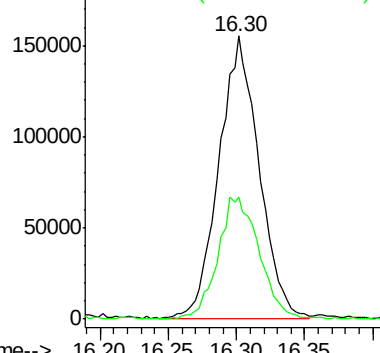
105 100

120 43.5 35.3 52.9



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: 1.097 ppbv

RT: 17.07 min Scan# 4971

Delta R.T. -0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Tgt Ion:105 Resp: 358185

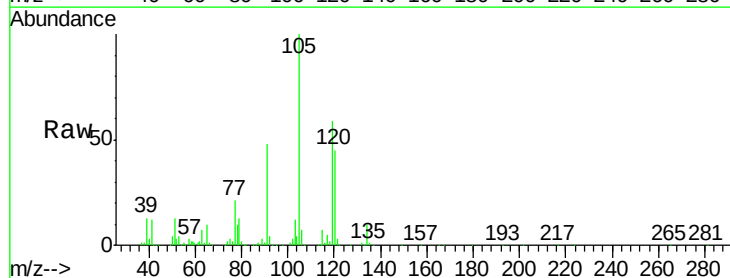
Ion Ratio Lower Upper

105 100

120 43.7 37.0 55.4

91 46.9 43.0 64.4

77 20.9 18.7 28.1

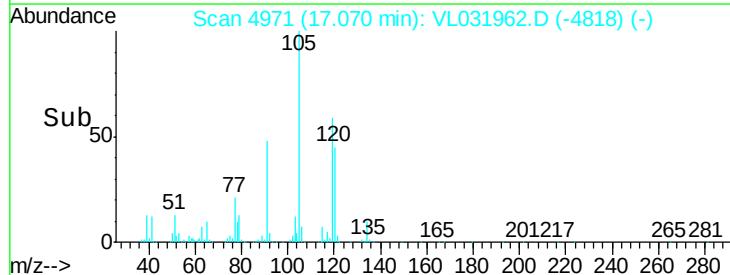
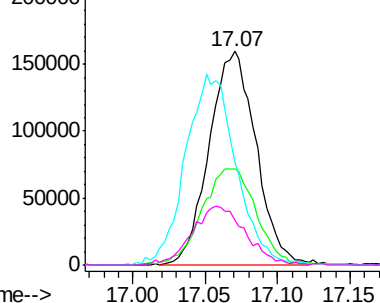


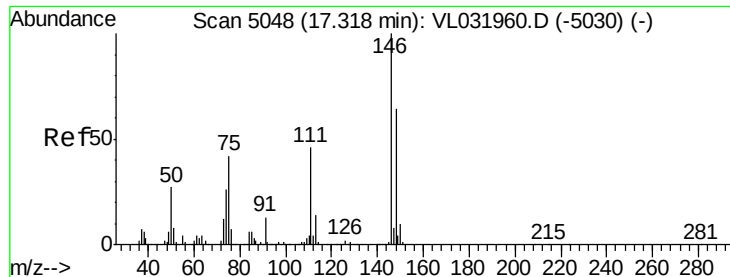
Abundance Ion 105.10 (104.80 to 105.80): V

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

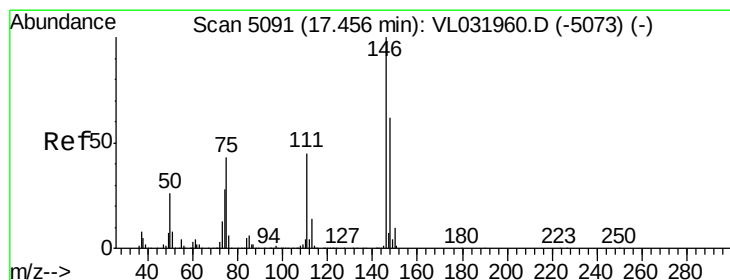
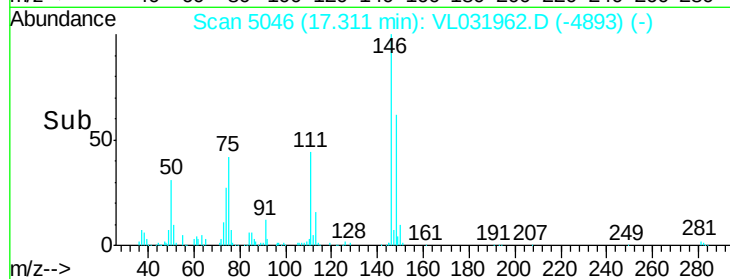
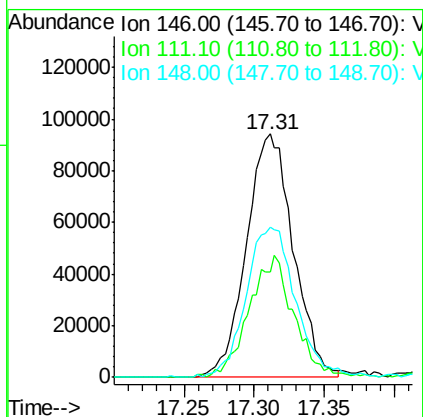
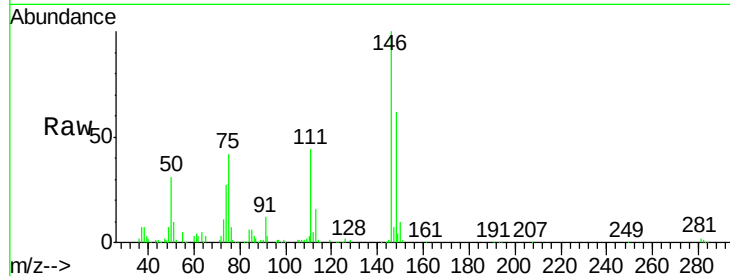




#75
 1,3-Dichlorobenzene
 Concen: 1.094 ppbv
 RT: 17.31 min Scan# 5046
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

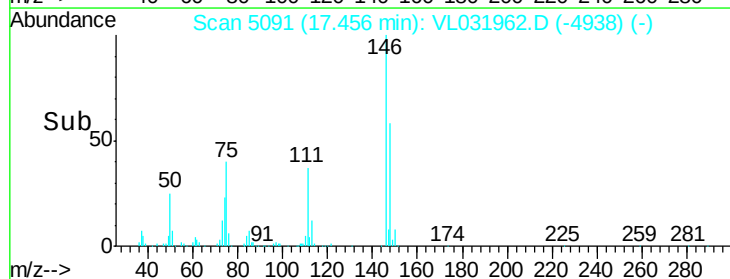
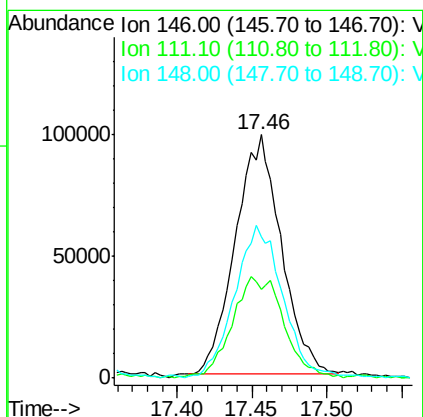
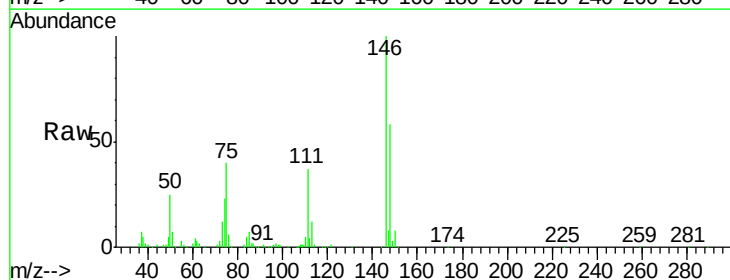
Instrument :
 MSVOA_L
 ClientSampleId :

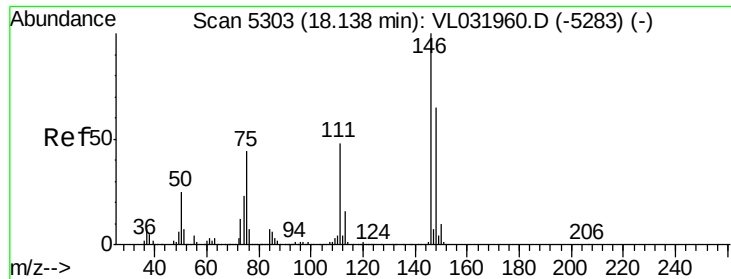
Tot Ion:146 Resp: 219000
 Ion Ratio Lower Upper
 146 100
 111 48.3 23.8 71.4
 148 65.5 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 1.079 ppbv
 RT: 17.46 min Scan# 5091
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion:146 Resp: 209570
 Ion Ratio Lower Upper
 146 100
 111 48.1 22.9 68.7
 148 68.3 32.0 96.0

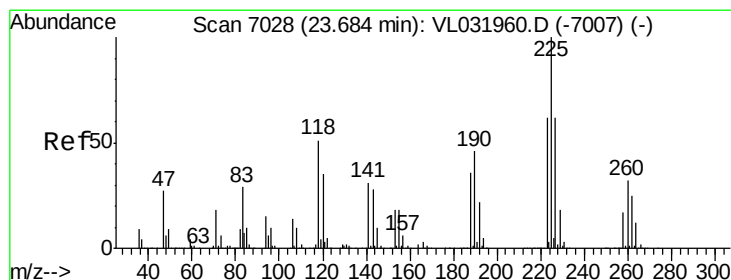
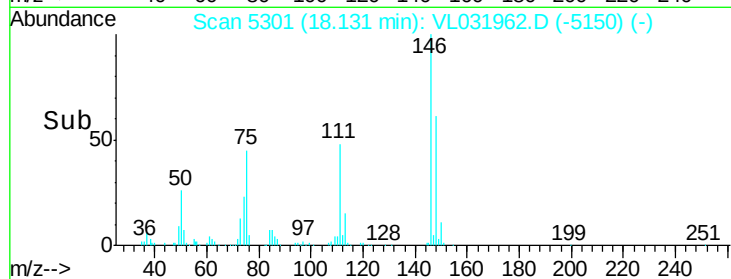
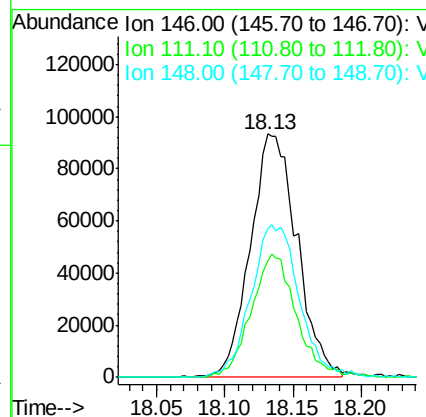
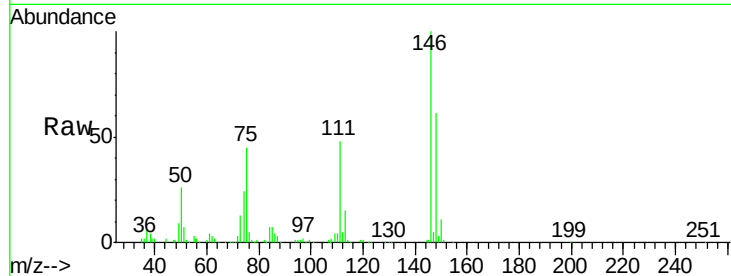




#77
 1,2-Dichlorobenzene
 Concen: 1.124 ppbv
 RT: 18.13 min Scan# 5301
 Delta R.T. -0.01 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

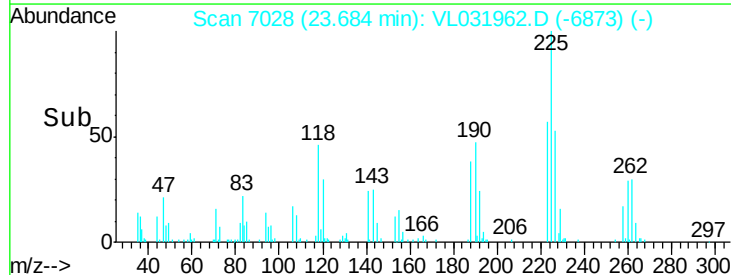
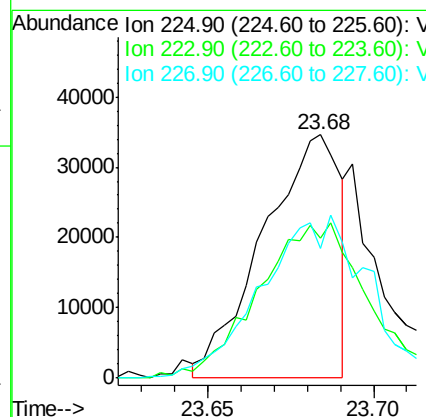
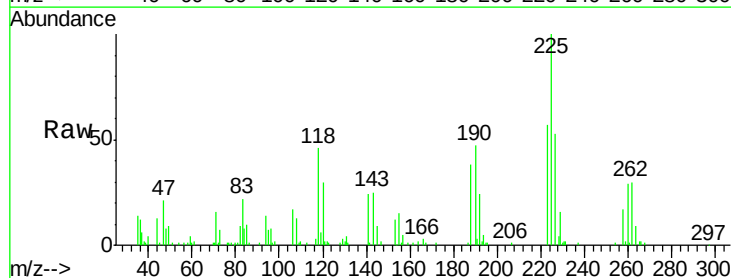
Instrument :
 MSVOA_L
 ClientSampled :

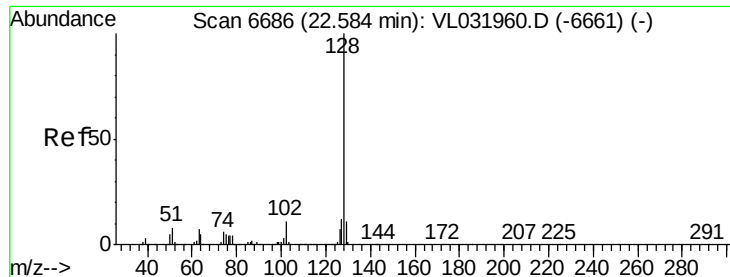
Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	24.3	72.8
148	65.0	31.8	95.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.739 ppbv
 RT: 23.68 min Scan# 7028
 Delta R.T. -0.00 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	90.0	50.6	76.0#
227	92.5	52.2	78.4#





#79

Naphthalene

Concen: 1.197 ppbv

RT: 22.59 min Scan# 6687

Delta R.T. -0.00 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

Instrument :

MSVOA_L

ClientSampleId :

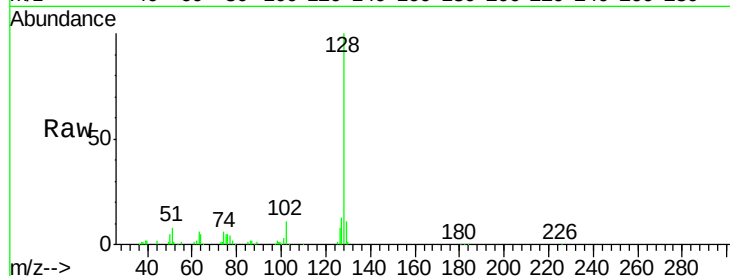
Tot Ion:128 Resp: 219925

Ion Ratio Lower Upper

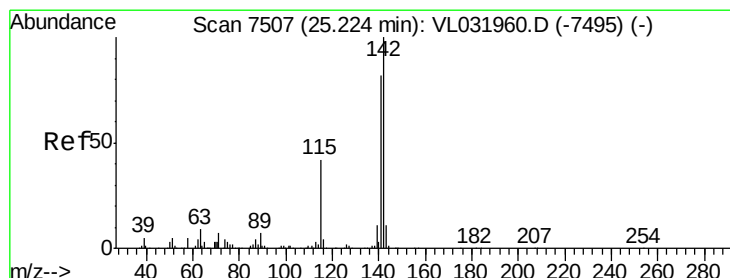
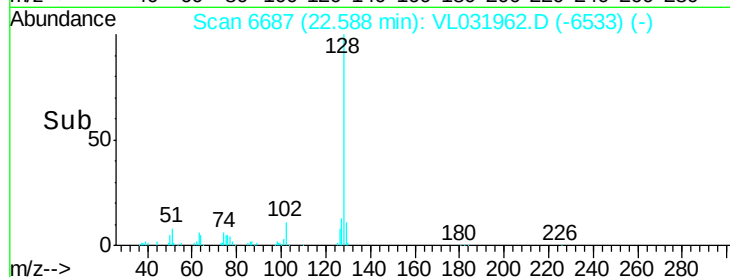
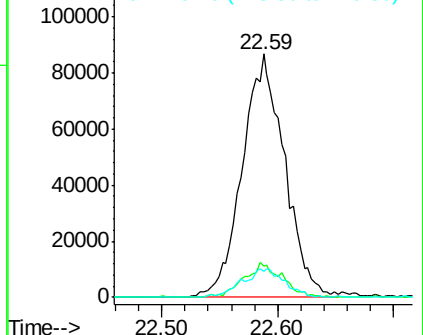
128 100

127 13.0 10.2 15.4

129 10.9 9.4 14.2



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: 0.902 ppbv

RT: 25.24 min Scan# 7511

Delta R.T. 0.01 min

Lab File: VL031962.D

Acq: 3 May 2018 12:44

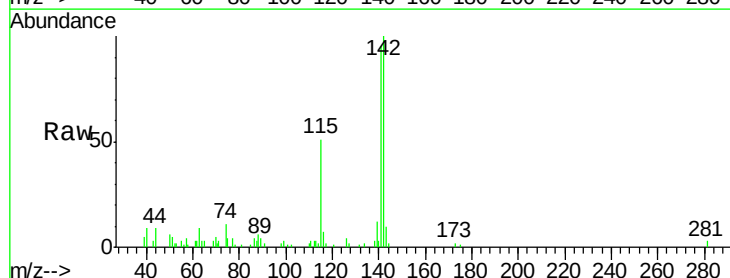
Tgt Ion:142 Resp: 32358

Ion Ratio Lower Upper

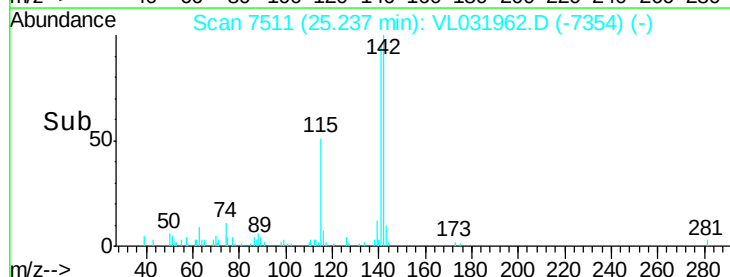
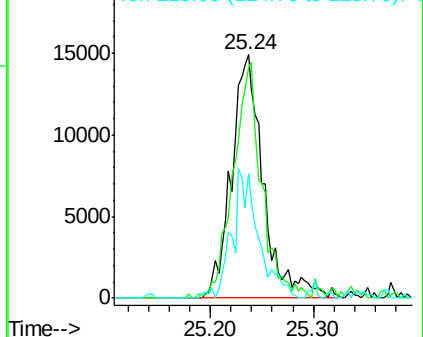
142 100

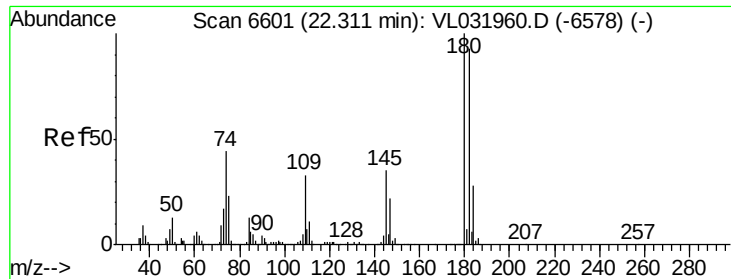
141 88.5 67.0 100.4

115 45.4 35.3 52.9



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: 0.594 ppbv
 RT: 22.31 min Scan# 6600
 Delta R.T. -0.00 min
 Lab File: VL031962.D
 Acq: 3 May 2018 12:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 60546
 Ion Ratio Lower Upper
 180 100
 182 204.2 76.3 114.5#
 184 0.0 24.2 36.2#

