

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026217.D
 Acq On : 20 Oct 2015 21:49
 Operator : SY/MD
 Sample : VL1020ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Quant Time: Oct 21 01:02:01 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 20:24:48 2015
 QLast Update : Tue Oct 20 20:24:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	522820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1646487	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2454943	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1563230	8.26	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	1159091	10.70	ppbv	99
3) Chlorodifluoromethane	3.56	51	632607	9.56	ppbv	100
4) Chloromethane	3.73	50	364542	10.21	ppbv	99
5) Vinyl Chloride	3.87	62	383769	10.21	ppbv	99
6) Bromomethane	4.13	94	278280	10.31	ppbv	99
7) Chloroethane	4.22	64	165117	10.47	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	939660	10.09	ppbv	100
9) Propene	3.58	41	303522	9.80	ppbv	100
10) Heptane	9.34	43	1027896	9.91	ppbv	99
11) Trichlorofluoromethane	4.68	101	1111901	10.46	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	747829	10.31	ppbv	100
13) Ethanol	4.31	45	46727	10.05	ppbv	98
14) Bromoethene	4.43	108	314015	10.26	ppbv	99
15) Acetone	4.59	43	662193	8.60	ppbv	100
16) 1,3-Butadiene	3.95	39	348334	10.15	ppbv	99
17) tert-Butyl alcohol	5.11	59	493878	9.39	ppbv	94
18) 1,1-Dichloroethene	5.07	96	347234	10.60	ppbv	99
19) Isopropyl Alcohol	4.74	45	331448	11.02	ppbv	94
20) Methylene Chloride	5.13	84	308299	10.04	ppbv	99
21) Allyl Chloride	5.21	41	525314	10.45	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	427673	10.12	ppbv	99
23) Vinyl Acetate	5.96	43	1420327	10.01	ppbv	99
24) 1,1-Dichloroethane	5.89	63	889668	9.94	ppbv	100
25) Ethyl Acetate	6.65	43	1413956	9.80	ppbv	100
26) Hexane	6.64	57	697503	9.67	ppbv	99
27) Carbon Disulfide	5.37	76	967207	10.49	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1299269	9.91	ppbv	100
29) Chloroform	6.73	83	1056737	10.10	ppbv	100
30) Cyclohexane	8.26	84	716072	9.93	ppbv	99
31) cis-1,2-Dichloroethene	6.50	61	660694	10.09	ppbv	98
32) 1,1,1-Trichloroethane	7.58	97	1153823	9.94	ppbv	100
34) 2-Butanone	6.18	43	866265	9.31	ppbv	99
35) Carbon Tetrachloride	8.14	117	1210920	9.65	ppbv	98
36) Benzene	8.01	78	1596677	9.52	ppbv	99
37) 1,2-Dichloroethane	7.35	62	854313	9.91	ppbv	100
38) Trichloroethene	9.04	130	677468	8.33	ppbv	99
39) 1,2-Dichloropropane	8.81	63	564298	9.57	ppbv	98
40) 1,4-Dioxane	9.10	88	154840	13.97	ppbv	92
41) Tetrahydrofuran	7.10	42	513502	9.53	ppbv	100
42) Bromodichloromethane	9.01	83	1235315	9.97	ppbv	99
43) Methyl Methacrylate	9.24	69	611966	10.03	ppbv	97

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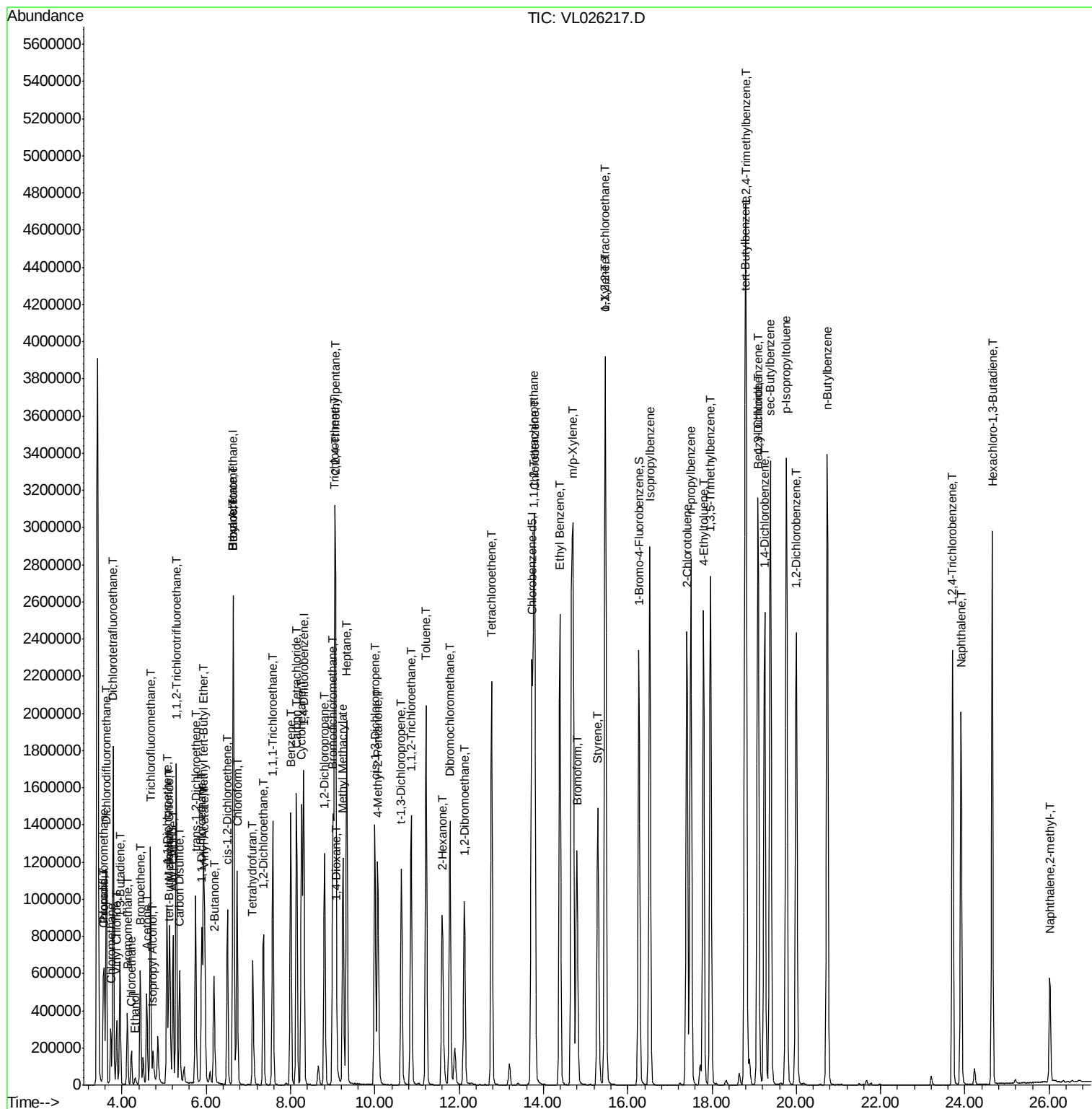
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	2527884	9.31	ppbv	99
45) t-1,3-Dichloropropene	10.63	75	974017	10.23	ppbv	99
46) cis-1,3-Dichloropropene	10.00	75	1095872	9.83	ppbv	99
47) 1,1,2-Trichloroethane	10.86	97	721365	9.73	ppbv	99
48) Dibromochloromethane	11.78	129	1198231	9.92	ppbv	100
49) Bromoform	14.79	173	1033621	10.14	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1244937	9.91	ppbv	99
51) 2-Hexanone	11.60	43	1196107	10.19	ppbv #	100
52) Tetrachloroethene	12.77	164	749627	7.79	ppbv	99
53) Toluene	11.21	91	2148766	9.42	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1109388	9.67	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.76	131	869394	7.38	ppbv	99
57) Chlorobenzene	13.79	112	1805428	7.68	ppbv	99
58) Ethyl Benzene	14.39	91	3126820	7.86	ppbv	100
59) m/p-Xylene	14.69	91	4787980	15.37	ppbv	100
60) o-Xylene	15.47	91	2457958	7.55	ppbv	100
61) Styrene	15.29	104	1242257	8.43	ppbv	100
62) Isopropylbenzene	16.52	105	3506072	7.74	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1577546	7.33	ppbv	100
64) n-propylbenzene	17.49	120	980125	7.87	ppbv	97
65) tert-Butylbenzene	18.79	119	3064152	7.41	ppbv	100
66) Benzyl Chloride	19.08	91	1398840	8.20	ppbv	100
67) sec-Butylbenzene	19.38	105	4398157	7.63	ppbv	100
69) p-Isopropyltoluene	19.76	119	3688760	7.65	ppbv	100
70) n-Butylbenzene	20.73	91	3406668	7.73	ppbv	100
71) 2-Chlorotoluene	17.40	91	2627191	7.88	ppbv	100
72) 4-Ethyltoluene	17.80	105	3006647	7.94	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2773522	7.85	ppbv	99
74) 1,2,4-Trimethylbenzene	18.81	105	2701715	7.38	ppbv	98
75) 1,3-Dichlorobenzene	19.10	146	1824935	7.63	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	1921276	7.69	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	1859854	7.71	ppbv	100
78) Hexachloro-1,3-Butadiene	24.65	225	819373	6.62	ppbv	99
79) Naphthalene	23.91	128	2467709	7.65	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	453755	7.83	ppbv	97
81) 1,2,4-Trichlorobenzene	23.71	180	1127983	7.26	ppbv	100

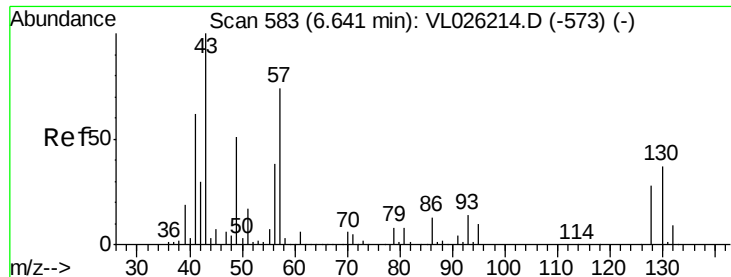
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

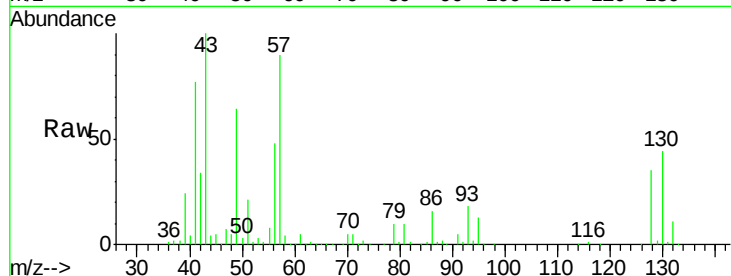
Tot Ion: 49 Resp: 522820

Ion Ratio Lower Upper

49 100

128 55.3 28.2 84.7

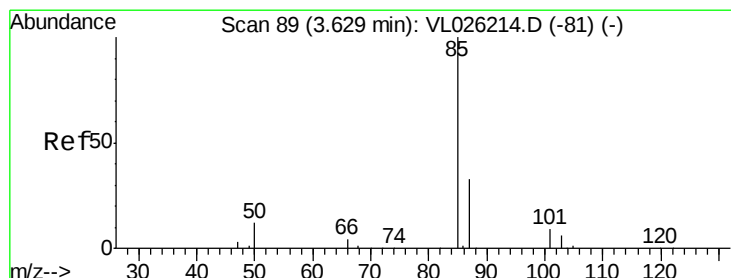
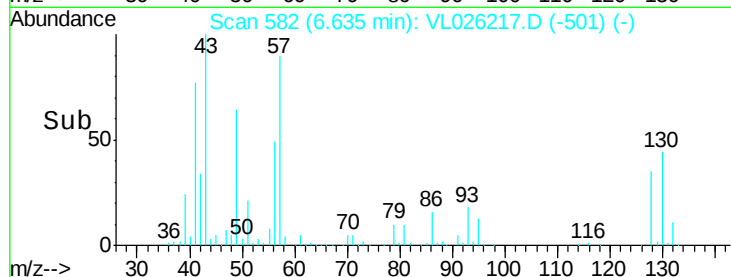
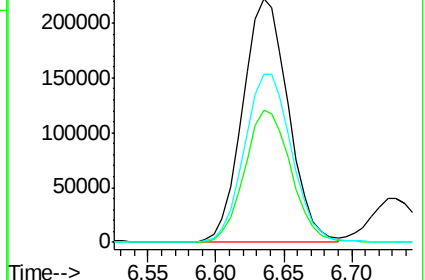
130 71.9 36.0 108.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.70 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026217.D

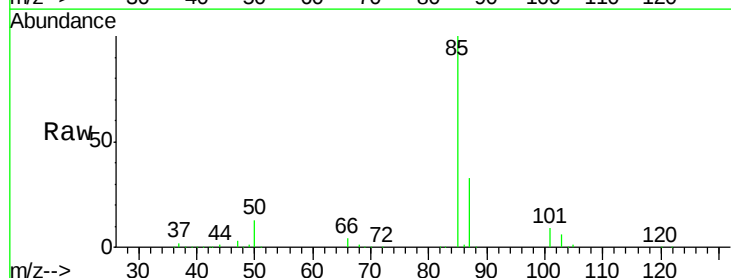
Acq: 20 Oct 2015 21:49

Tgt Ion: 85 Resp: 1159091

Ion Ratio Lower Upper

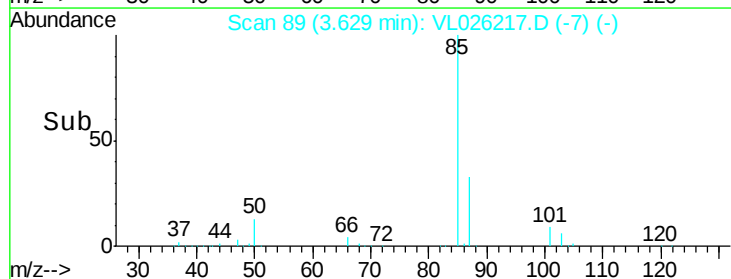
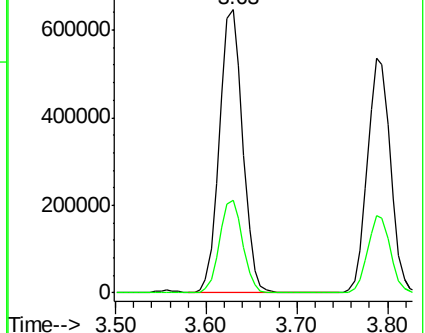
85 100

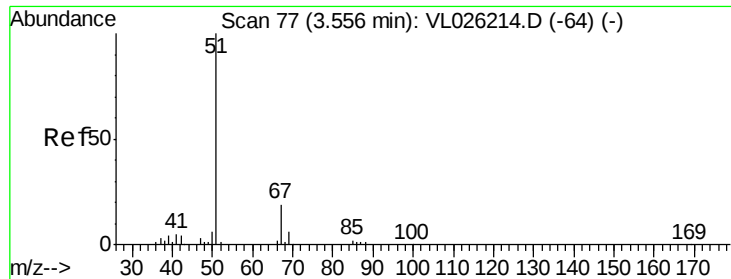
87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.56 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

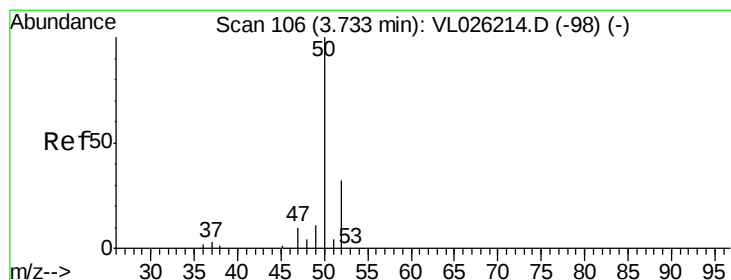
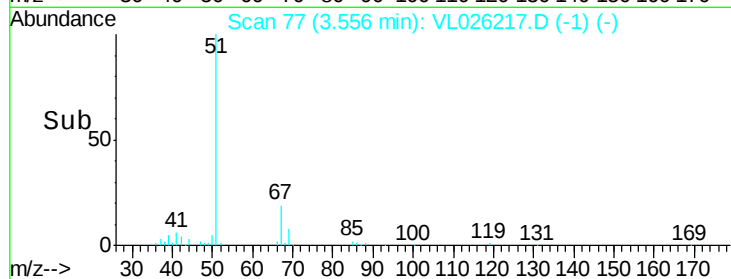
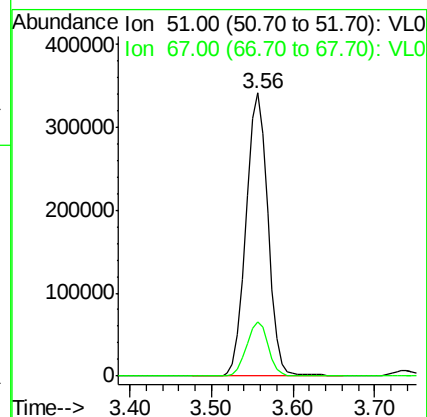
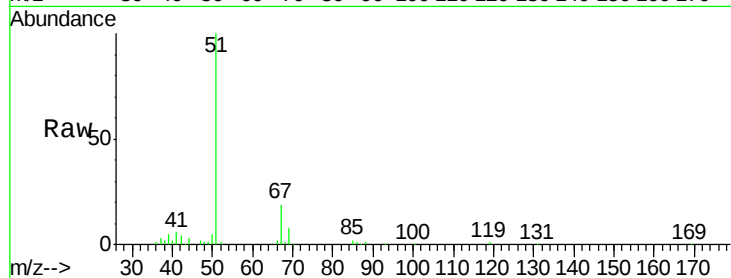
VL1020ABS01

Tot Ion: 51 Resp: 632607

Ion Ratio Lower Upper

51 100

67 19.2 15.3 22.9



#4

Chloromethane

Concen: 10.21 ppbv

RT: 3.73 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL026217.D

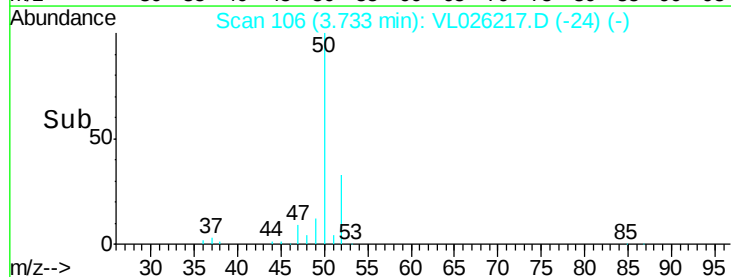
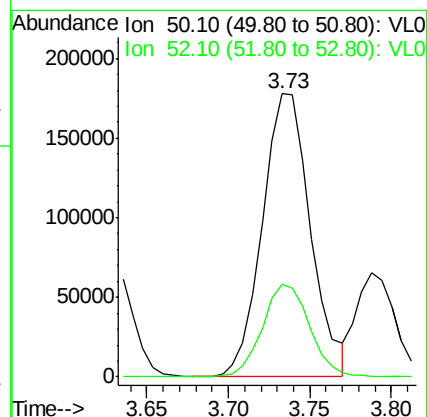
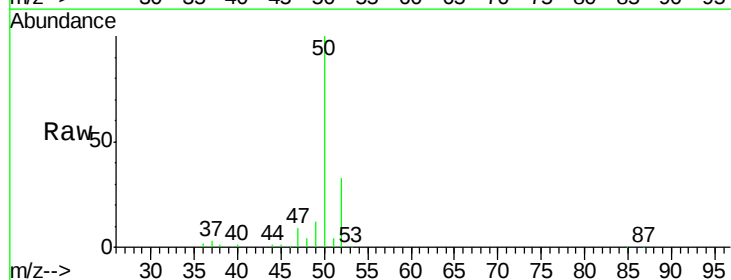
Acq: 20 Oct 2015 21:49

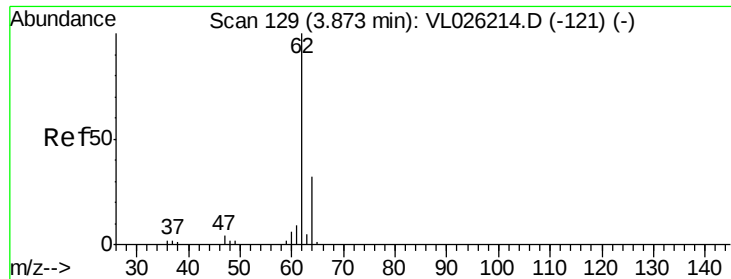
Tgt Ion: 50 Resp: 364542

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6





#5

Vinyl Chloride

Concen: 10.21 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

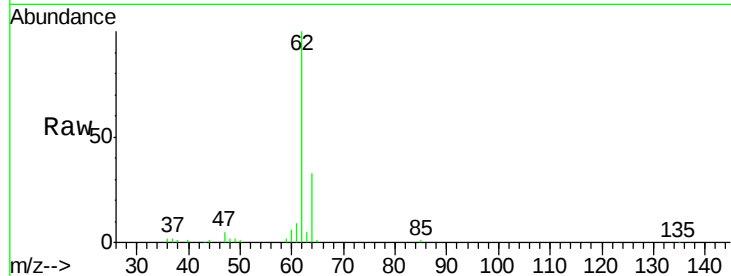
VL1020ABS01

Tot Ion: 62 Resp: 383769

Ion Ratio Lower Upper

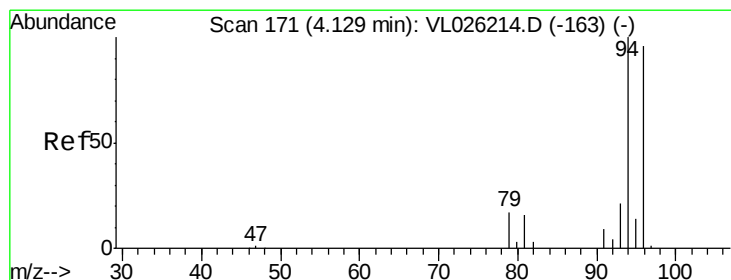
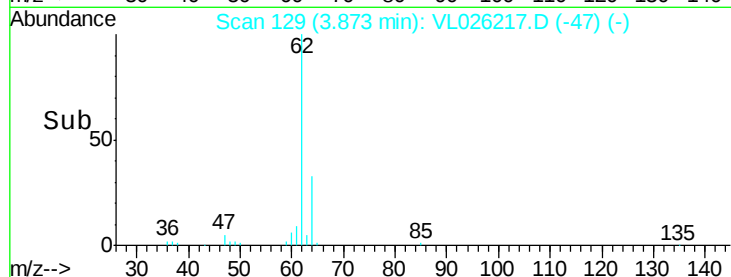
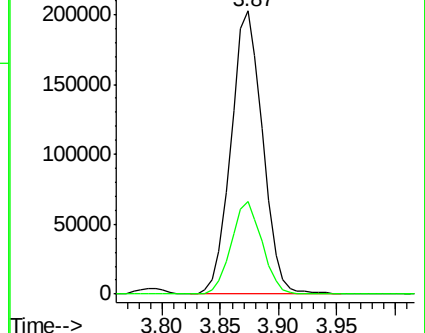
62 100

64 32.8 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.31 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026217.D

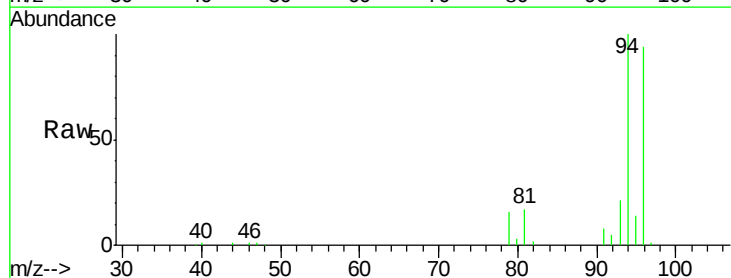
Acq: 20 Oct 2015 21:49

Tgt Ion: 94 Resp: 278280

Ion Ratio Lower Upper

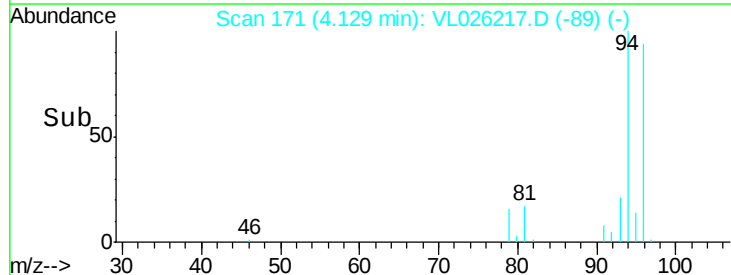
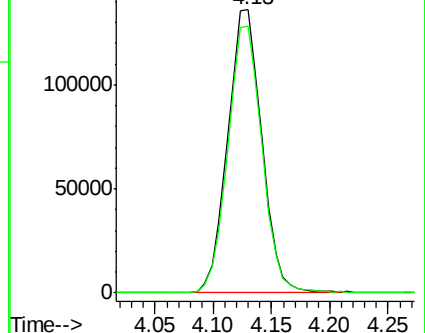
94 100

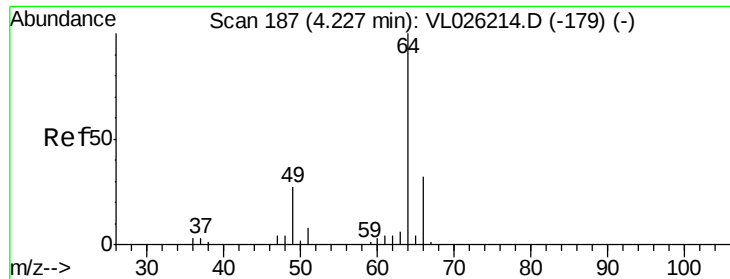
96 94.1 76.5 114.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.47 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026217.D

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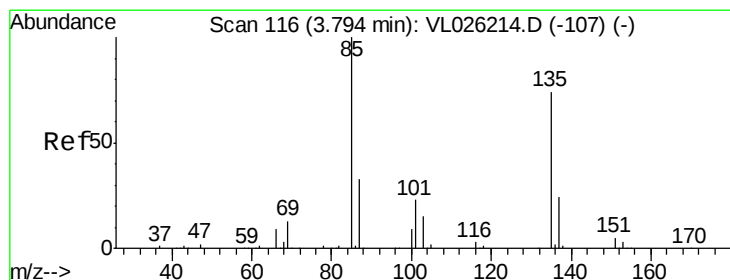
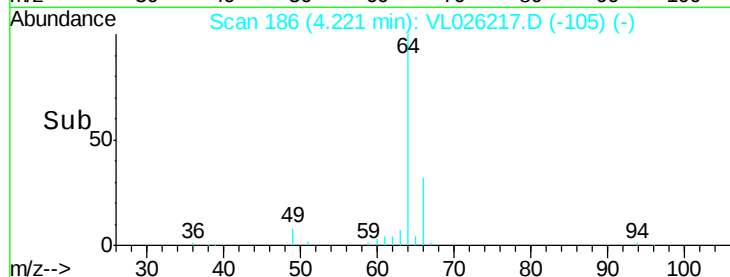
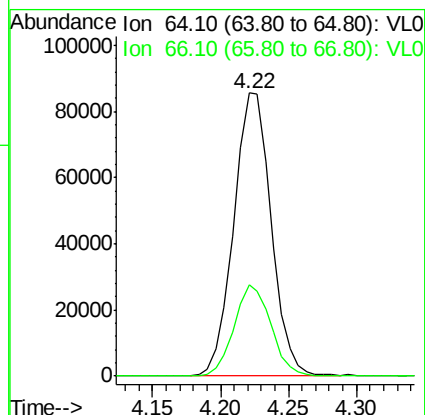
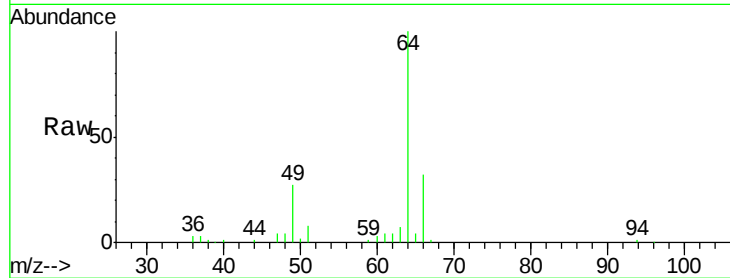
VL1020ABS01

Tot Ion: 64 Resp: 165117

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 10.09 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL026217.D

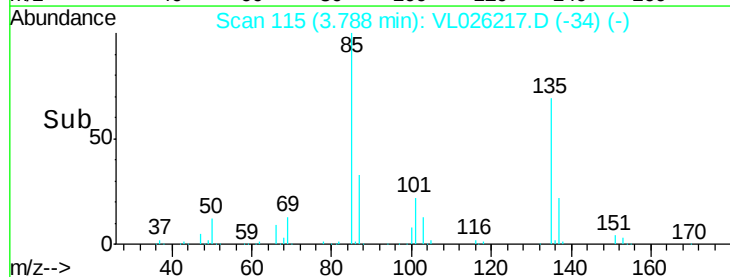
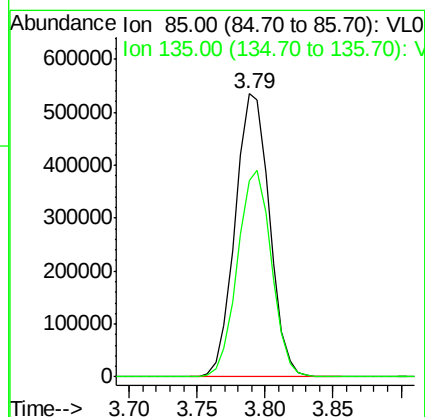
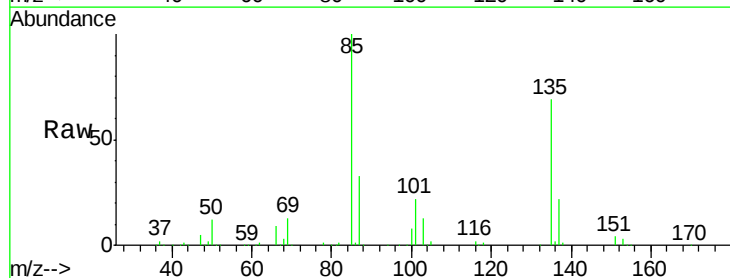
Acq: 20 Oct 2015 21:49

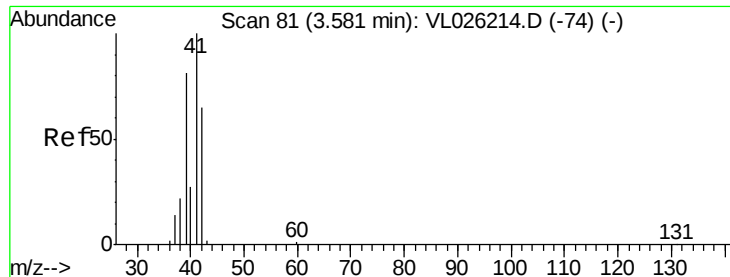
Tgt Ion: 85 Resp: 939660

Ion Ratio Lower Upper

85 100

135 72.7 57.8 86.8





#9

Propene

Concen: 9.80 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

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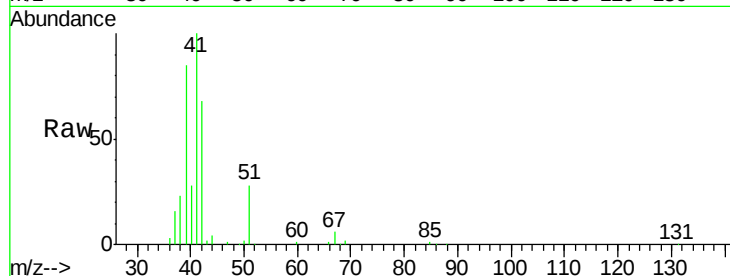
VL1020ABS01

Tot Ion: 41 Resp: 303522

Ion Ratio Lower Upper

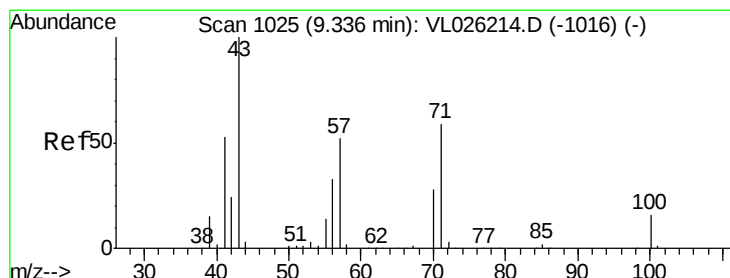
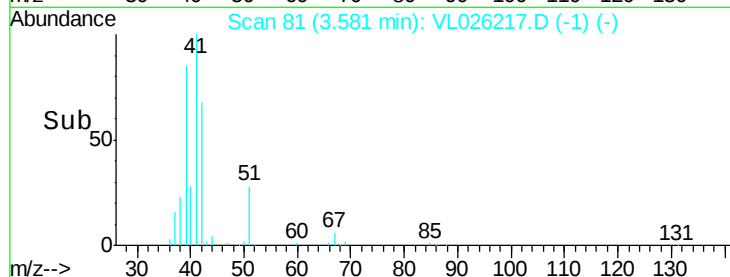
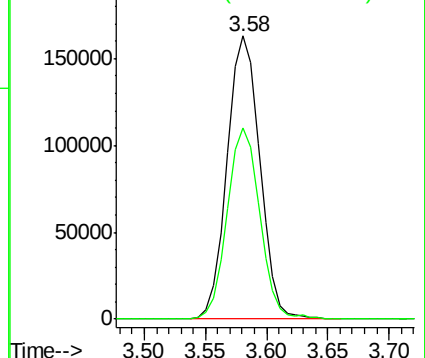
41 100

42 67.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.91 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VL026217.D

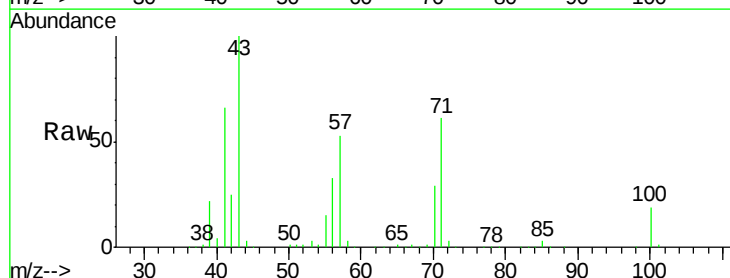
Acq: 20 Oct 2015 21:49

Tgt Ion: 43 Resp: 1027896

Ion Ratio Lower Upper

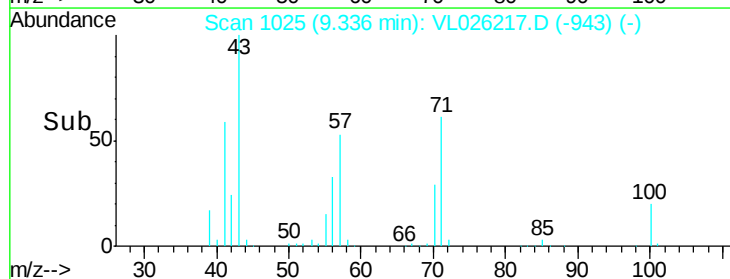
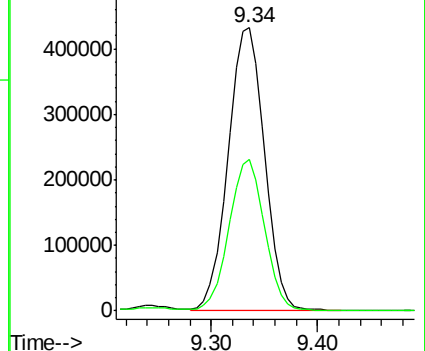
43 100

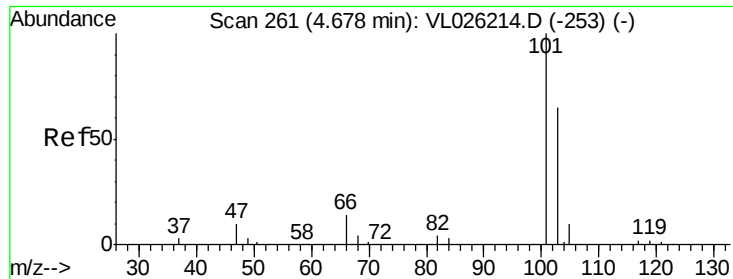
57 54.1 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

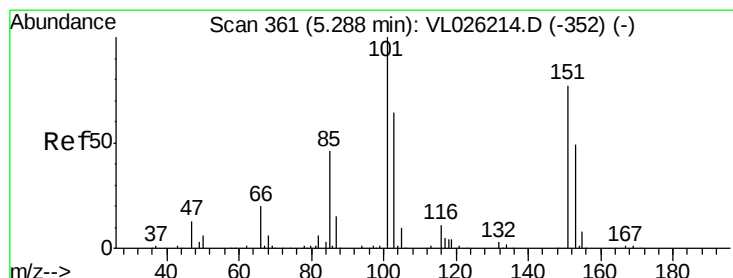
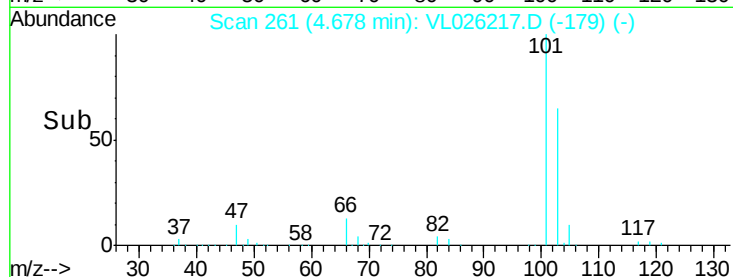
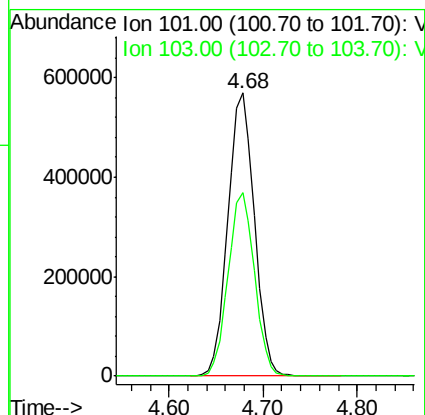
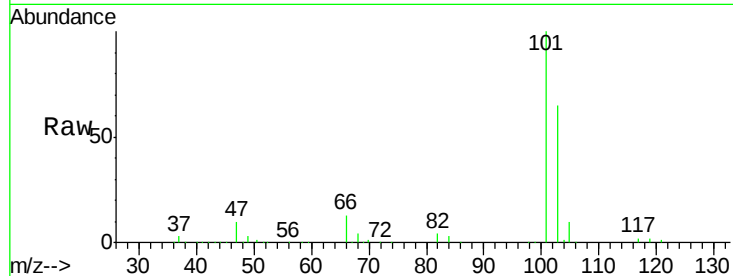




#11
 Trichlorofluoromethane
 Concen: 10.46 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

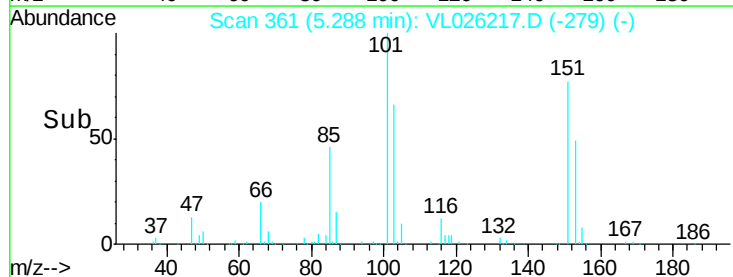
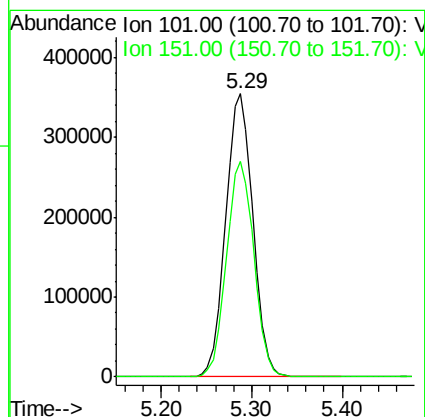
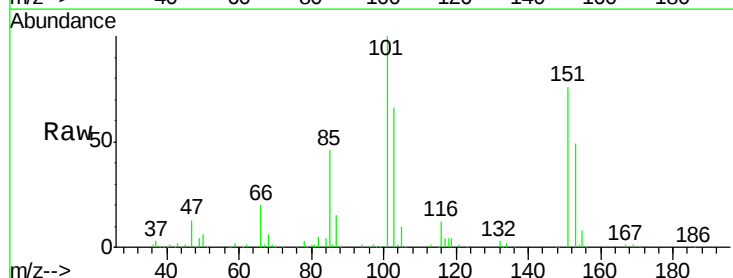
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

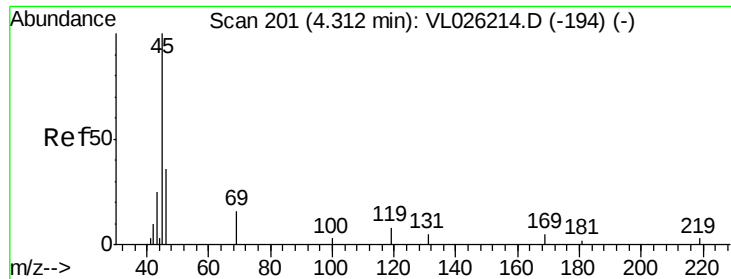
Tot Ion:101 Resp: 1111901
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.31 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion:101 Resp: 747829
 Ion Ratio Lower Upper
 101 100
 151 76.9 61.7 92.5





#13

Ethanol

Concen: 10.05 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

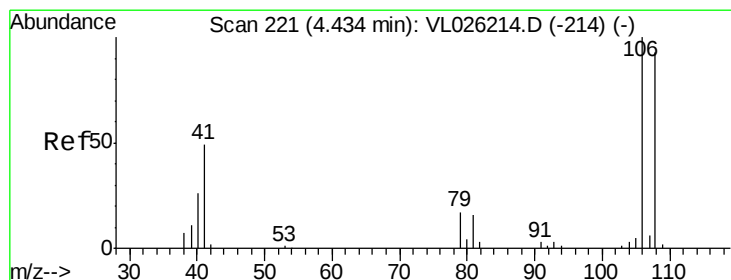
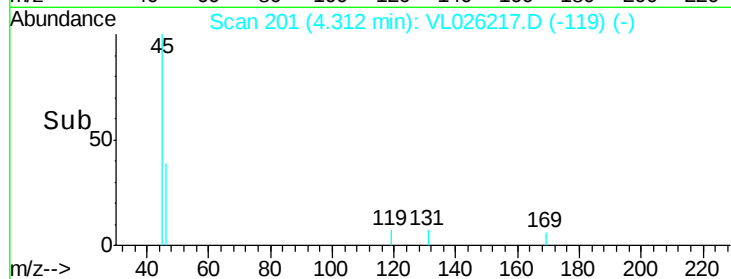
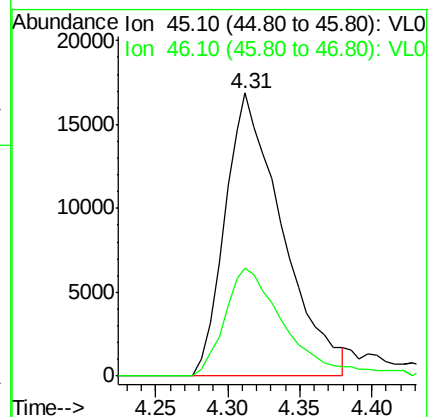
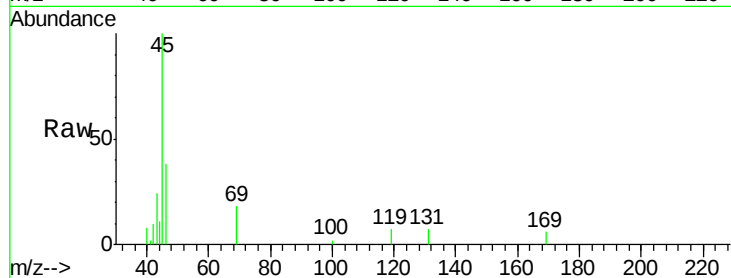
VL1020ABS01

Tot Ion: 45 Resp: 46727

Ion Ratio Lower Upper

45 100

46 40.4 15.8 63.0



#14

Bromoethene

Concen: 10.26 ppbv

RT: 4.43 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

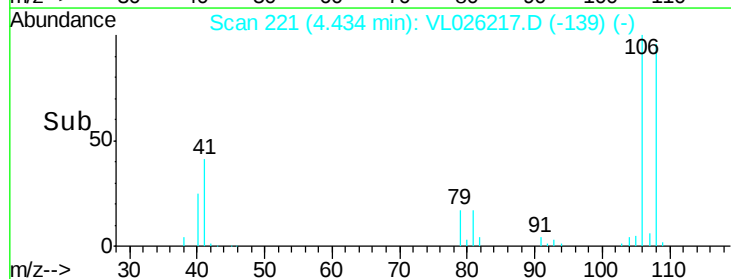
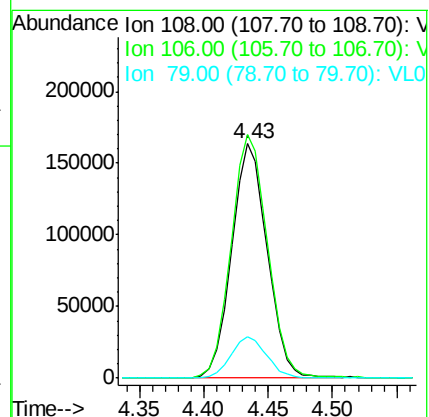
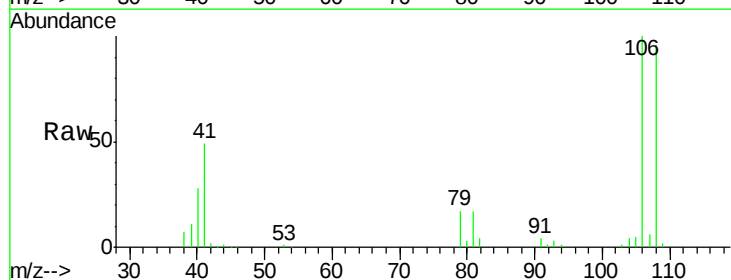
Tgt Ion: 108 Resp: 314015

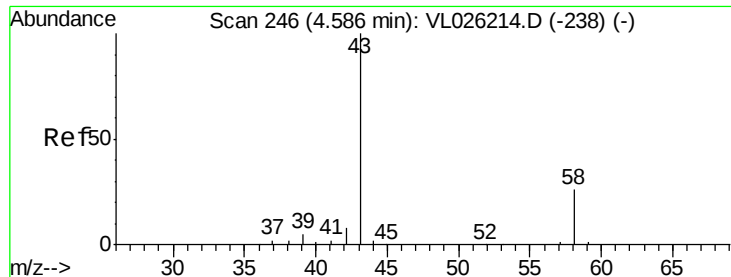
Ion Ratio Lower Upper

108 100

106 106.9 84.7 127.1

79 17.7 14.0 21.0





#15

Acetone

Concen: 8.60 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

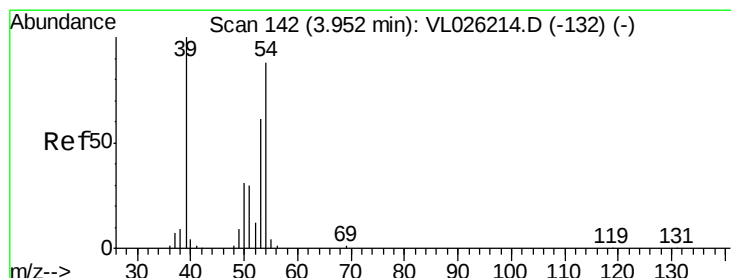
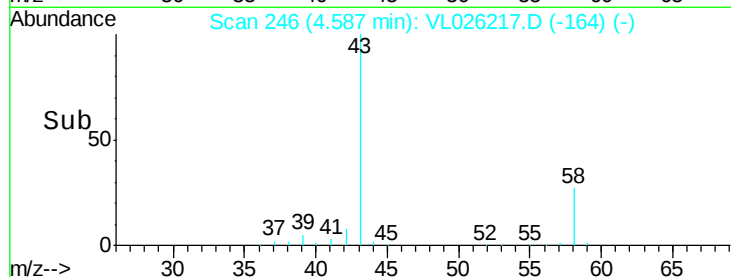
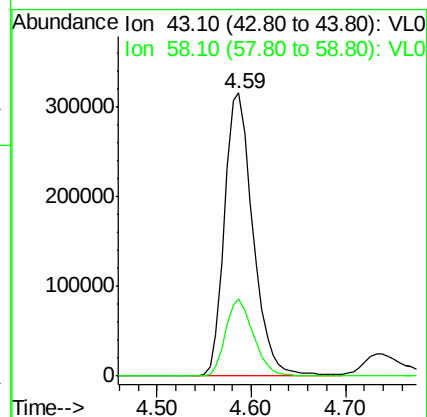
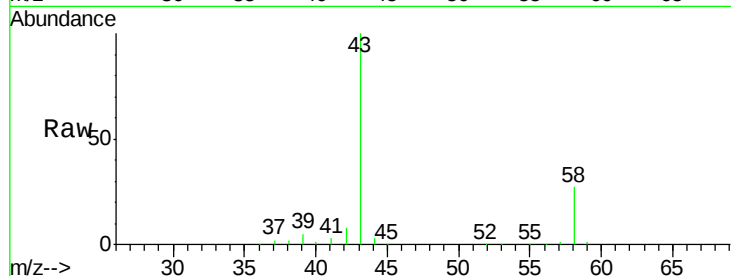
VL1020ABS01

Tot Ion: 43 Resp: 662193

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6



#16

1,3-Butadiene

Concen: 10.15 ppbv

RT: 3.95 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL026217.D

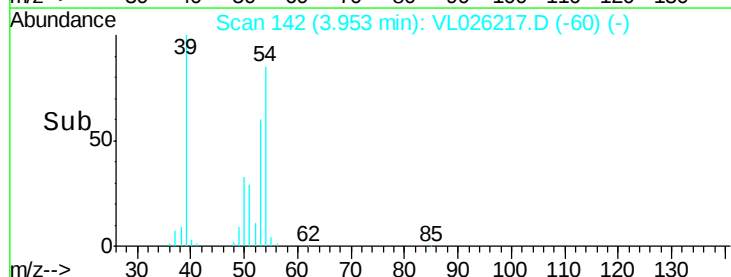
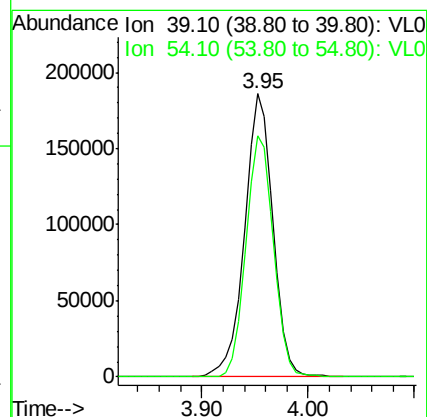
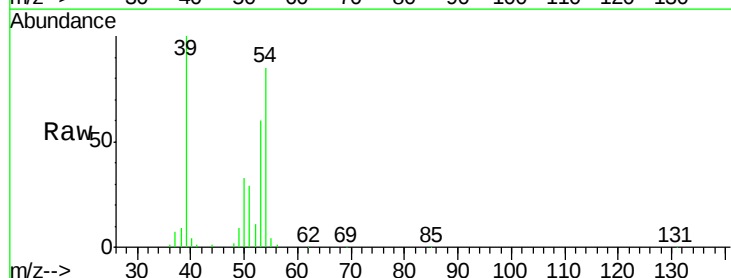
Acq: 20 Oct 2015 21:49

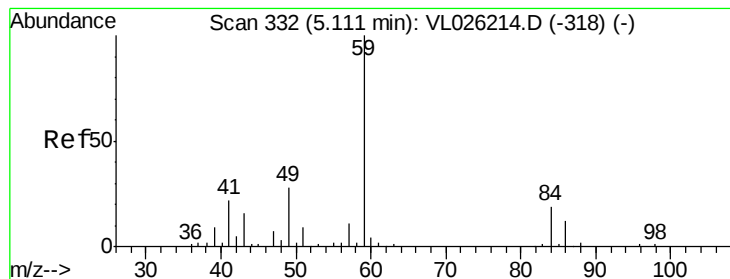
Tgt Ion: 39 Resp: 348334

Ion Ratio Lower Upper

39 100

54 83.2 67.3 100.9



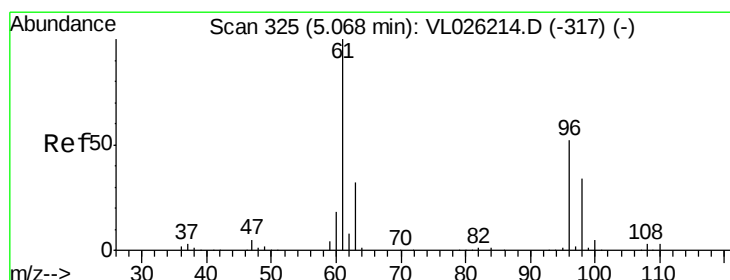
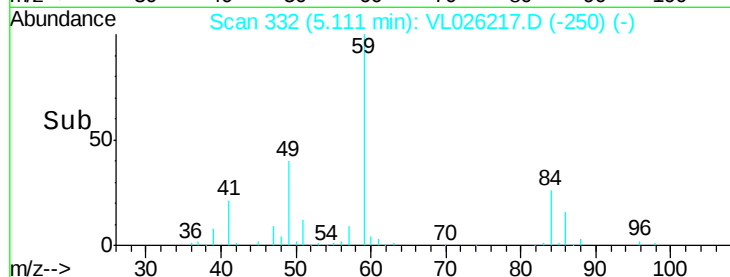
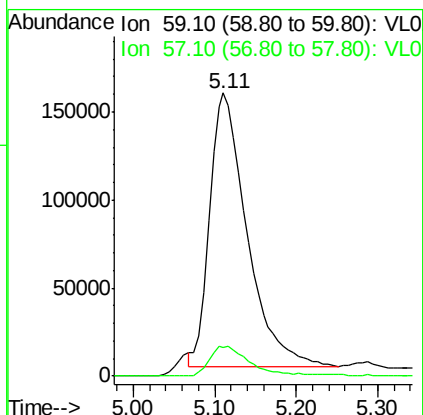
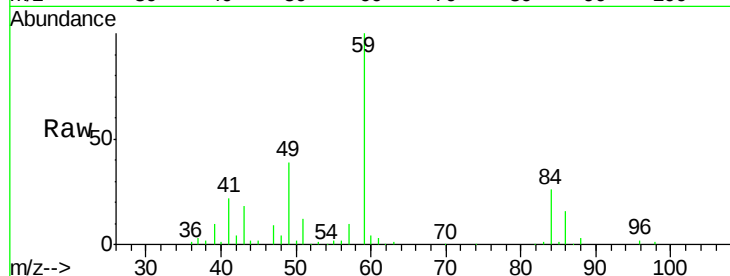


#17

tert-Butyl alcohol
 Concen: 9.39 ppbv
 RT: 5.11 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

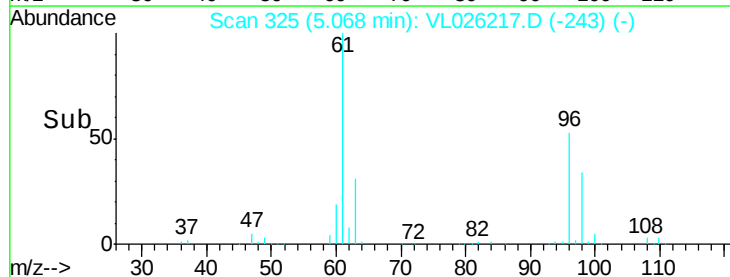
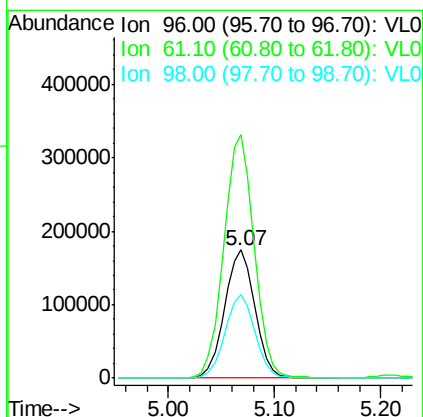
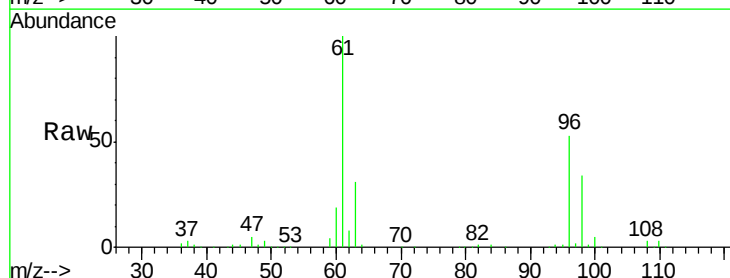
Tot Ion: 59 Resp: 493878
 Ion Ratio Lower Upper
 59 100
 57 12.7 8.5 12.7

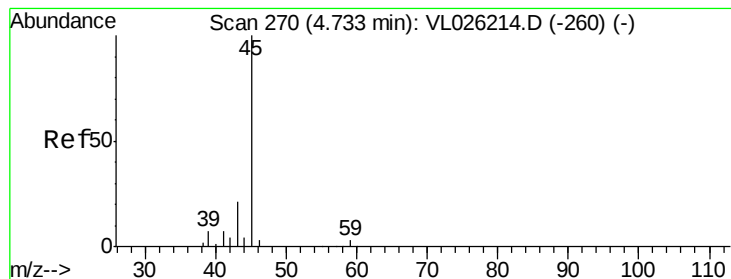


#18

1,1-Dichloroethene
 Concen: 10.60 ppbv
 RT: 5.07 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 96 Resp: 347234
 Ion Ratio Lower Upper
 96 100
 61 189.6 153.7 230.5
 98 64.9 51.6 77.4



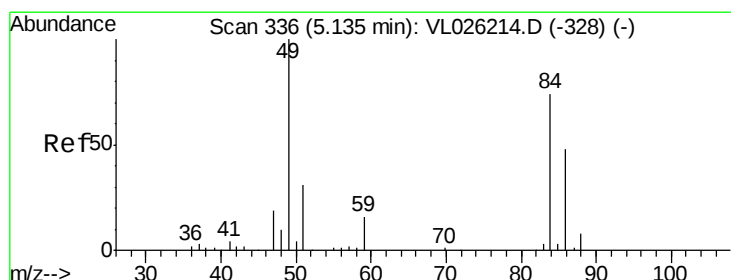
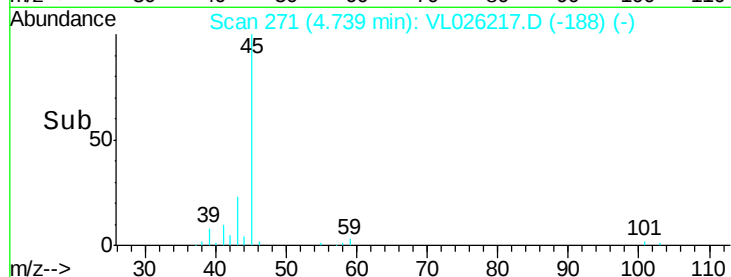
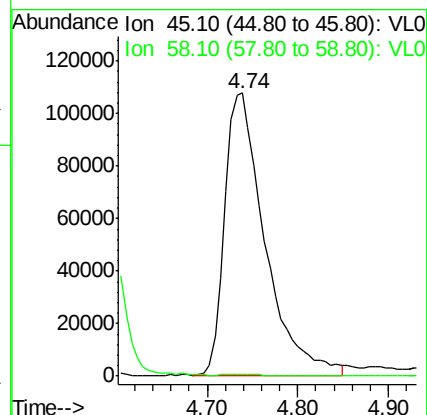
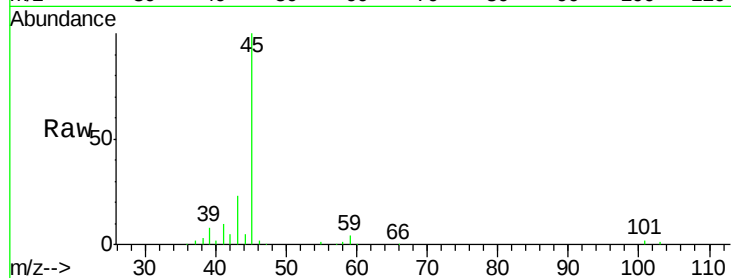


#19

Isopropyl Alcohol
 Concen: 11.02 ppbv
 RT: 4.74 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1020ABS01

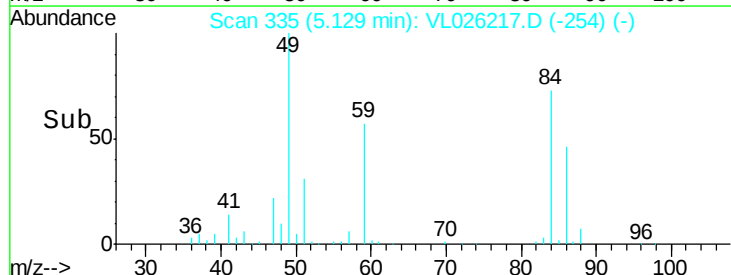
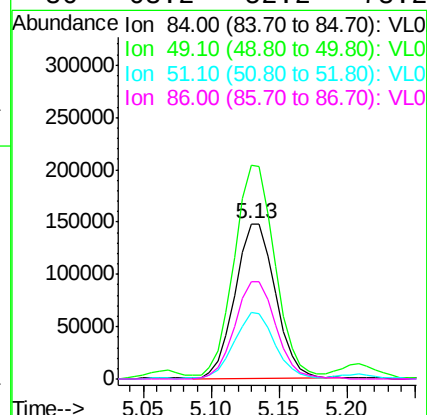
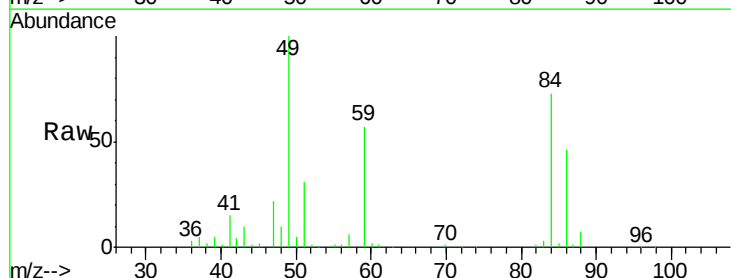
Tot Ion: 45 Resp: 331448
 Ion Ratio Lower Upper
 45 100
 58 54.4 40.3 60.5

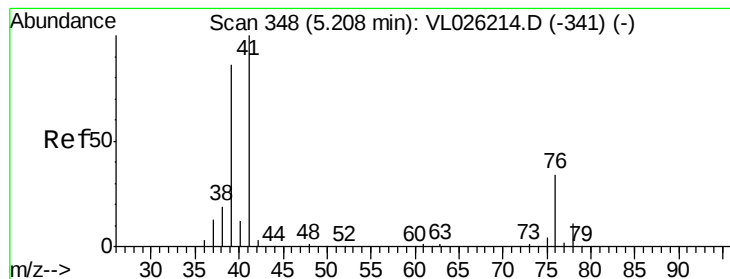


#20

Methylene Chloride
 Concen: 10.04 ppbv
 RT: 5.13 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 84 Resp: 308299
 Ion Ratio Lower Upper
 84 100
 49 136.2 108.7 163.1
 51 42.7 33.7 50.5
 86 63.2 52.2 78.2





#21

Allvl Chloride

Concen: 10.45 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

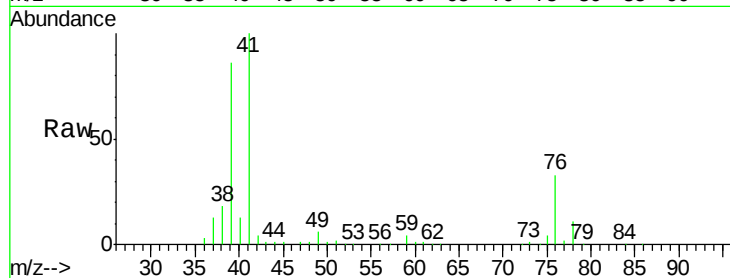
Tot Ion: 41 Resp: 525314

Ion Ratio Lower Upper

41 100

76 32.7 26.6 39.8

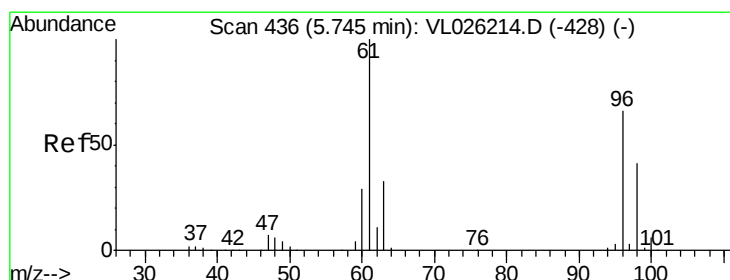
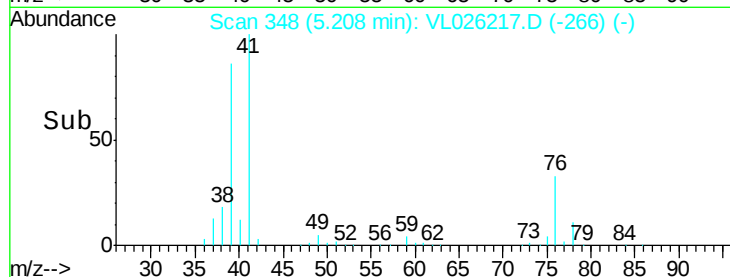
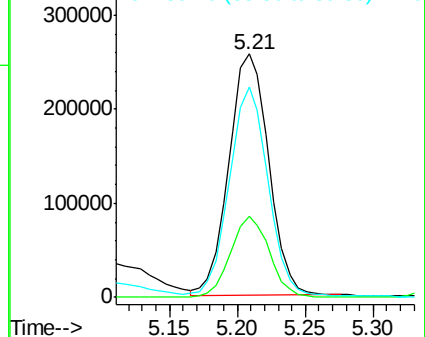
39 84.9 67.4 101.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.12 ppbv

RT: 5.74 min Scan# 436

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

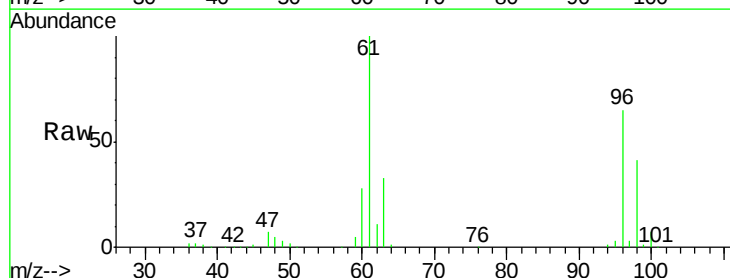
Tgt Ion: 96 Resp: 427673

Ion Ratio Lower Upper

96 100

61 153.3 121.5 182.3

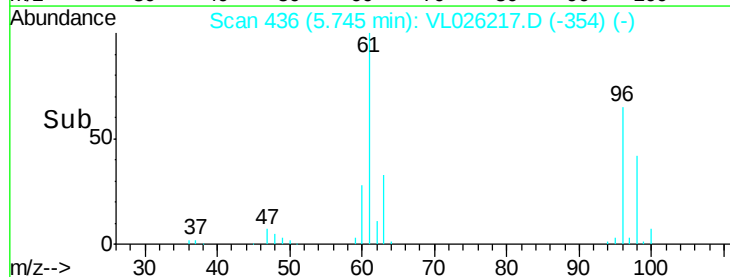
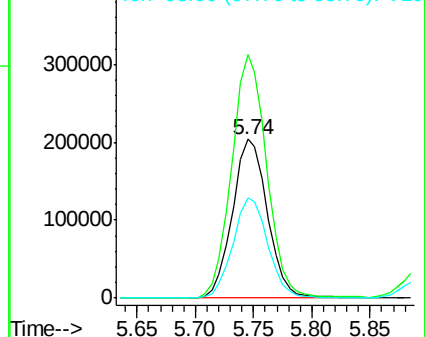
98 63.6 49.7 74.5

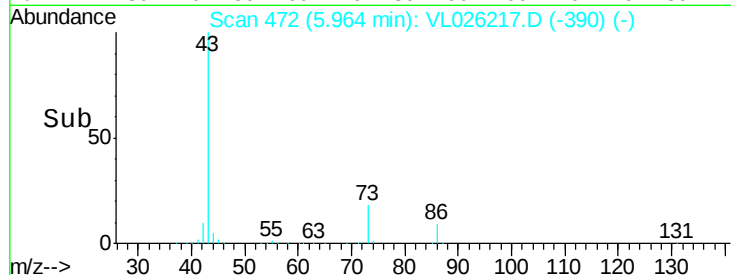
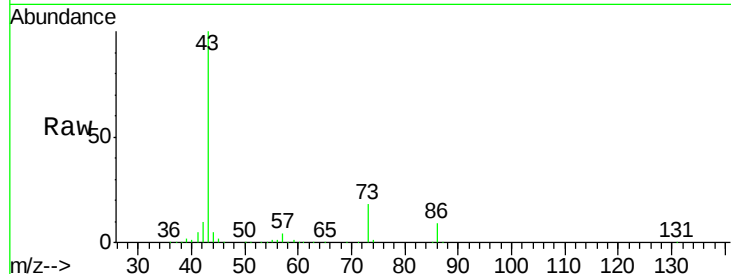
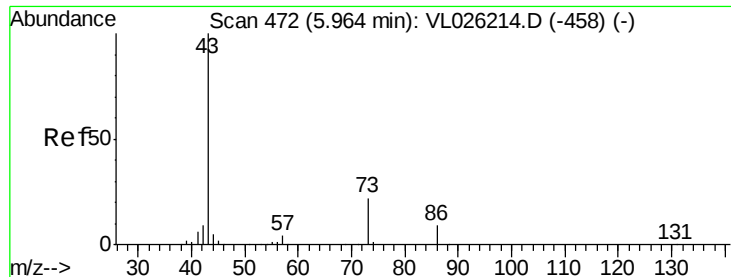


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.01 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

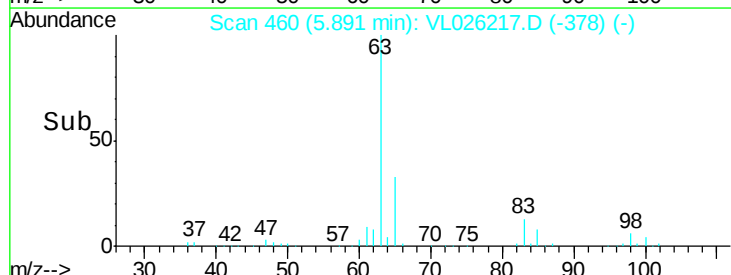
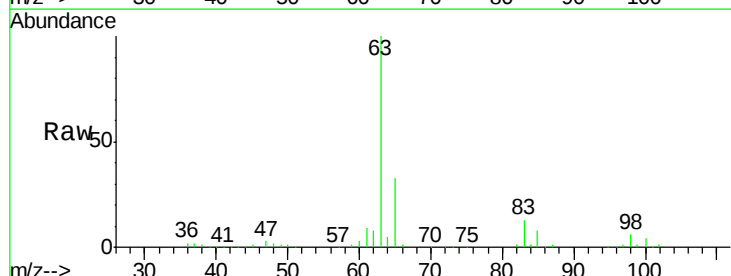
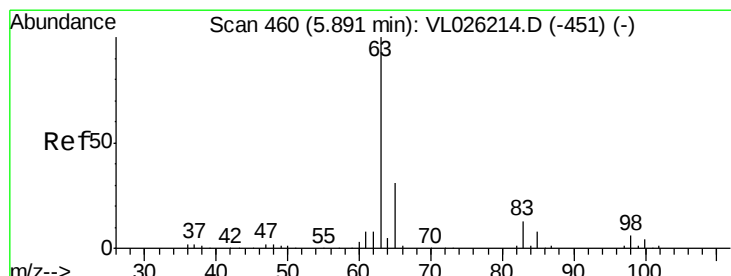
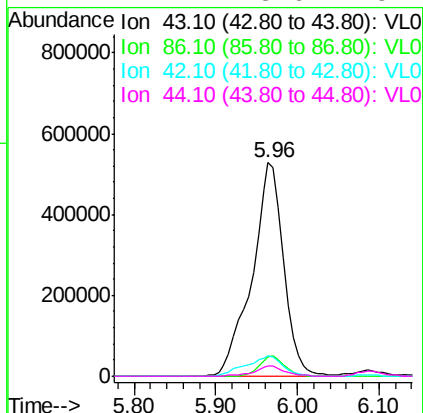
MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 43 Resp: 1420327

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.0	10.6
42	9.8	7.5	11.3
44	4.7	3.6	5.4



#24

1,1-Dichloroethane

Concen: 9.94 ppbv

RT: 5.89 min Scan# 460

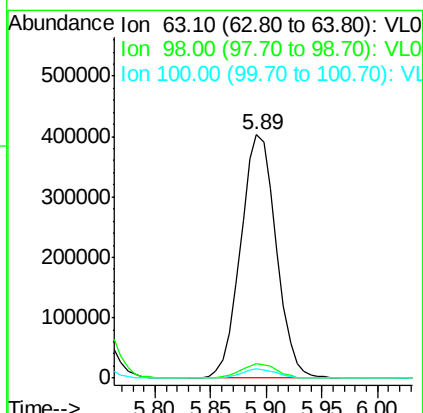
Delta R.T. 0.00 min

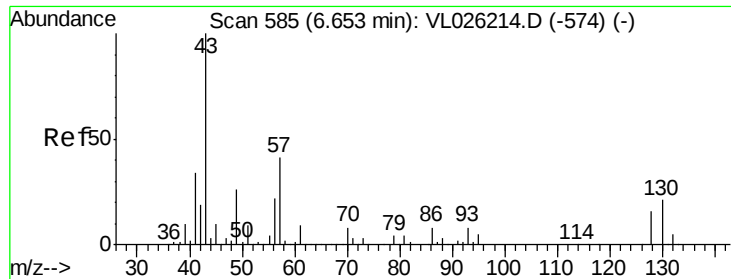
Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion: 63 Resp: 889668

Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.8	1.8	5.5



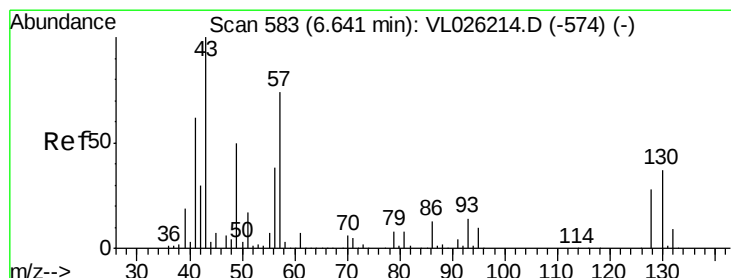
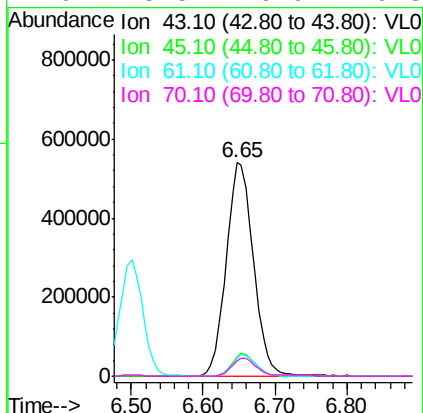
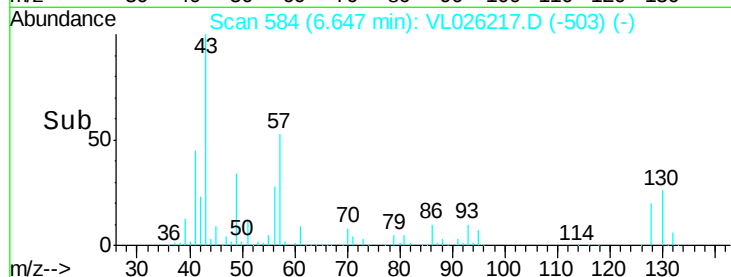
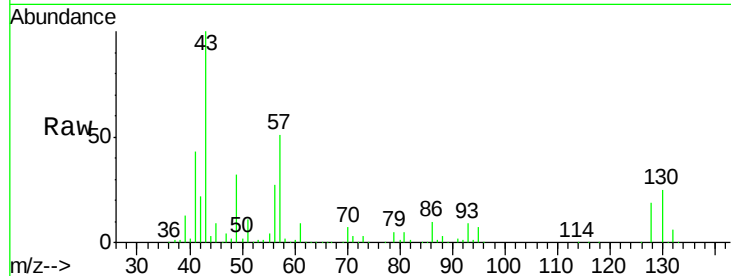


#25
Ethyl Acetate
Concen: 9.80 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion: 43 Resp: 1413956

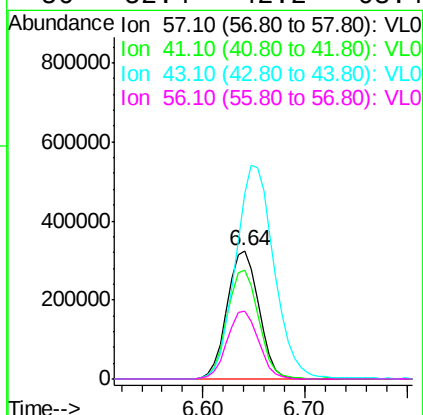
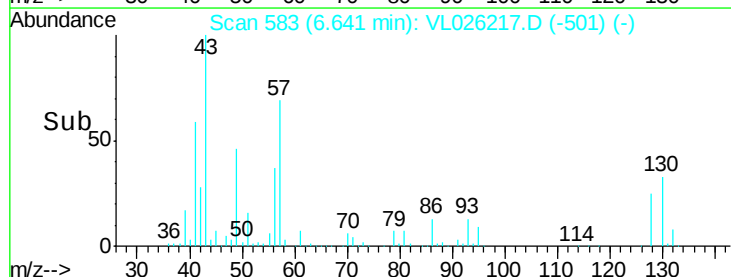
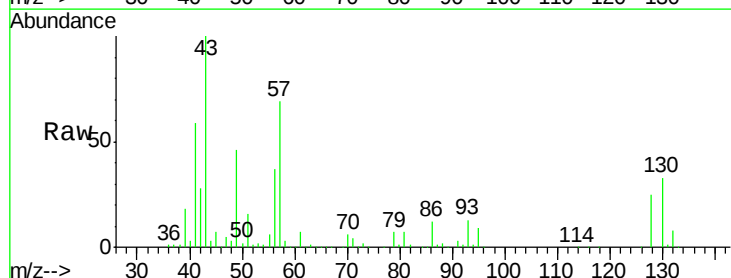
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.7	11.5
61	9.3	7.5	11.3
70	8.5	6.9	10.3

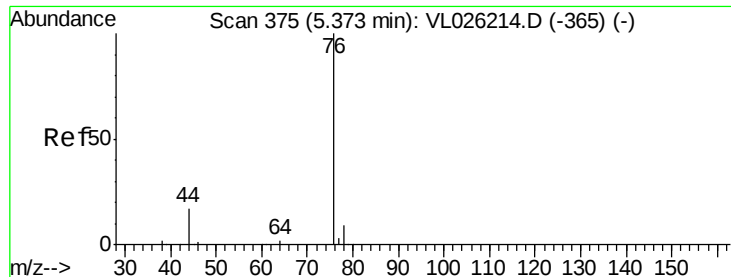


#26
Hexane
Concen: 9.67 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 57 Resp: 697503

Ion	Ratio	Lower	Upper
57	100		
41	85.7	68.1	102.1
43	203.4	163.4	245.2
56	52.4	42.2	63.4





#27

Carbon Disulfide

Concen: 10.49 ppbv

RT: 5.37 min Scan# 374

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

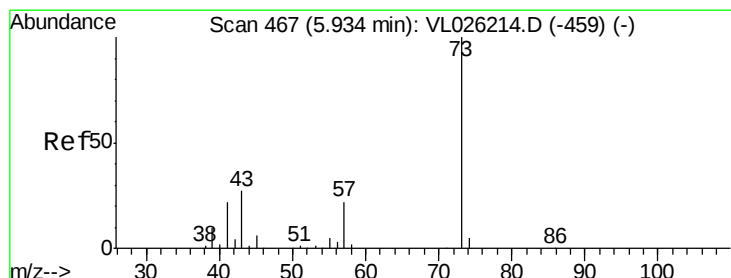
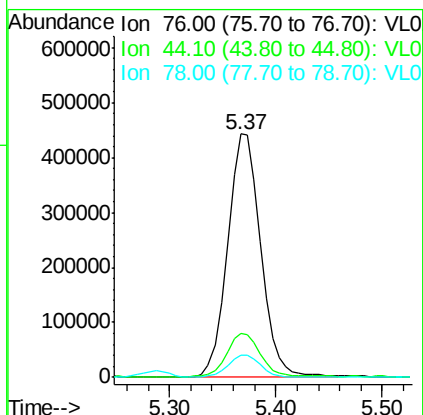
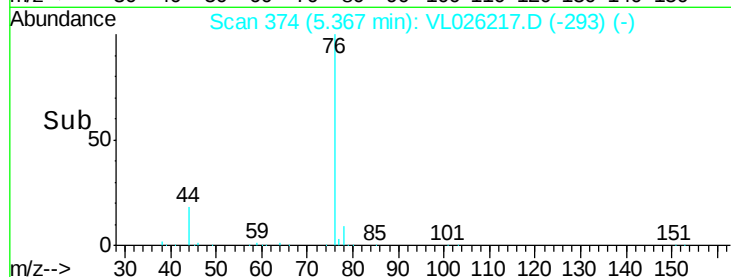
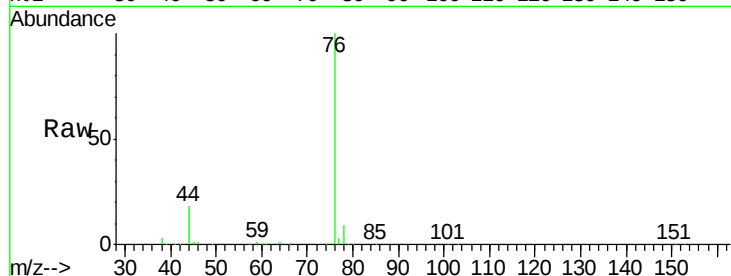
Tot Ion: 76 Resp: 967207

Ion Ratio Lower Upper

76 100

44 17.6 14.0 21.0

78 9.3 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 9.91 ppbv

RT: 5.93 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL026217.D

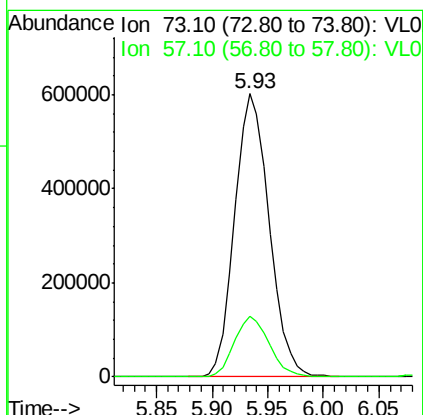
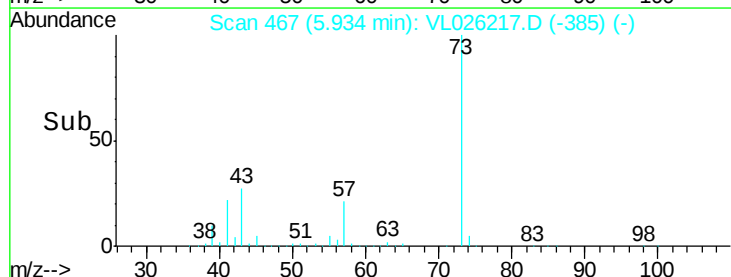
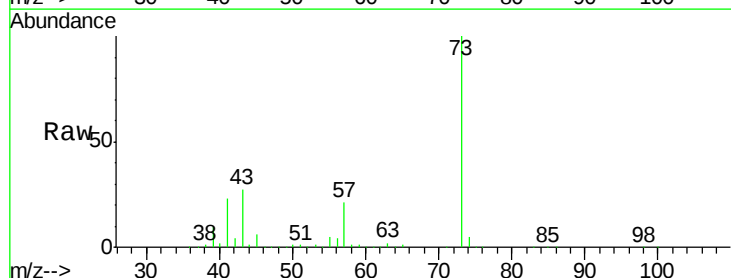
Acq: 20 Oct 2015 21:49

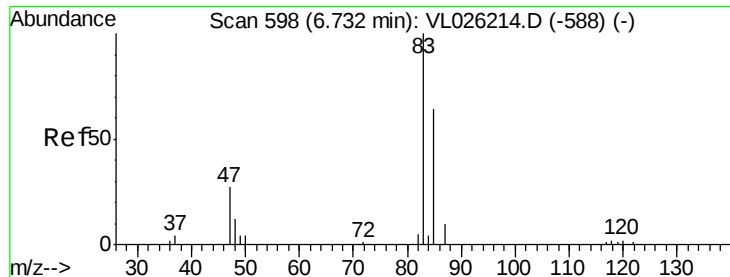
Tgt Ion: 73 Resp: 1299269

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.0

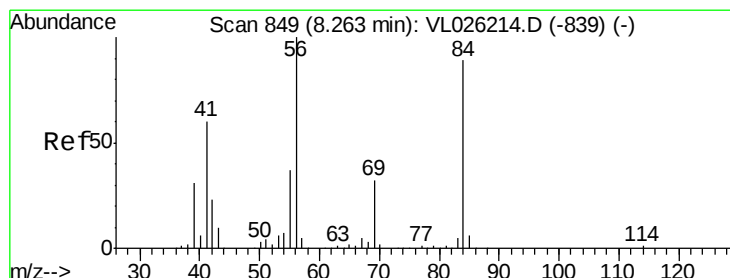
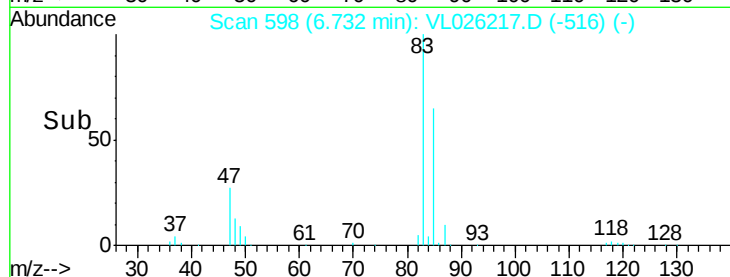
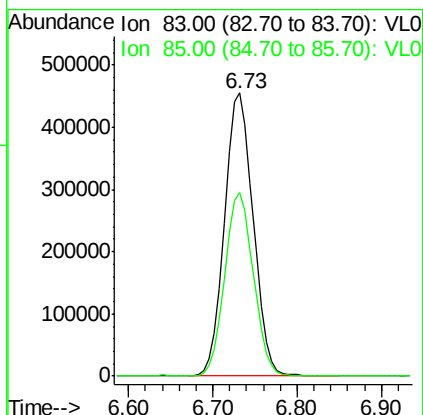
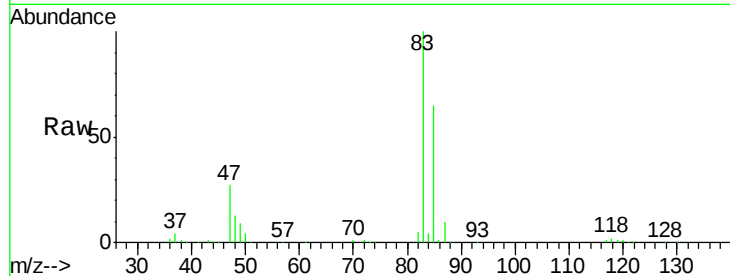




#29
Chloroform
Concen: 10.10 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

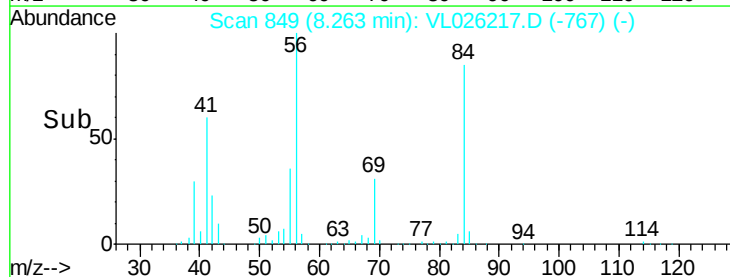
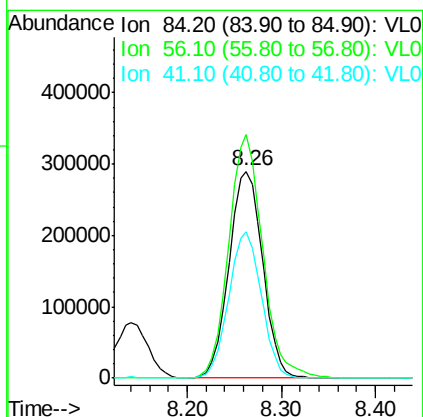
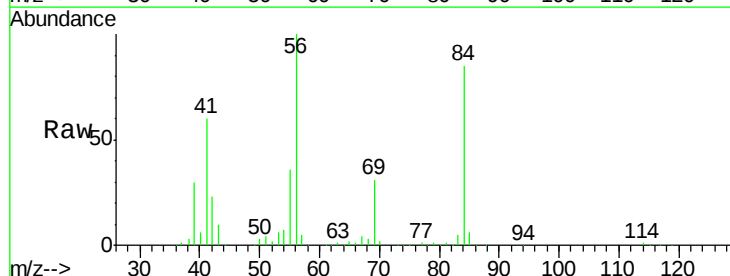
Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

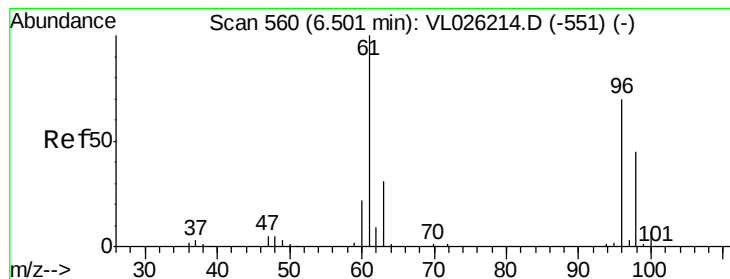
Tot Ion: 83 Resp: 1056737
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



#30
Cyclohexane
Concen: 9.93 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 84 Resp: 716072
Ion Ratio Lower Upper
84 100
56 119.4 95.9 143.9
41 69.2 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 10.09 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

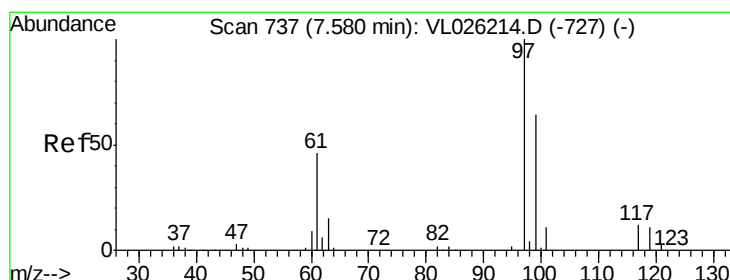
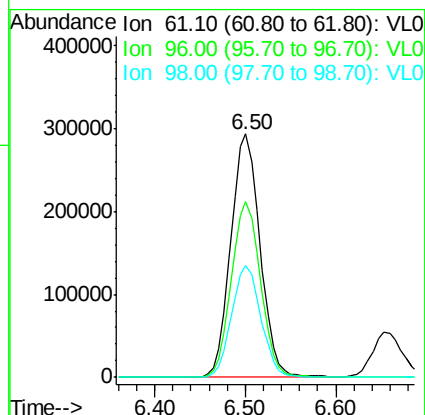
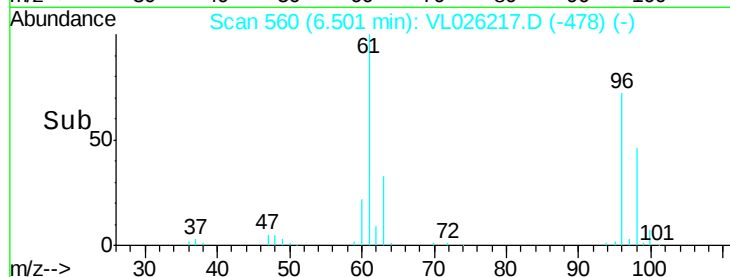
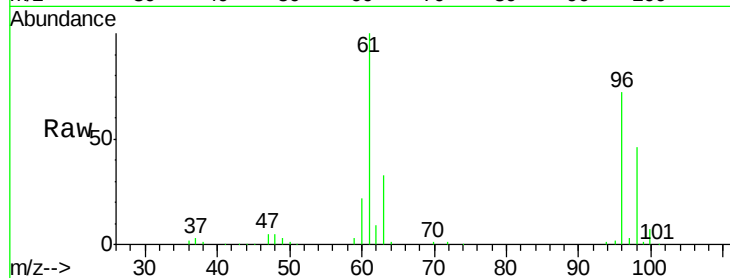
Tot Ion: 61 Resp: 660694

Ion Ratio Lower Upper

61 100

96 72.1 56.0 84.0

98 46.0 36.1 54.1



#32

1,1,1-Trichloroethane

Concen: 9.94 ppbv

RT: 7.58 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

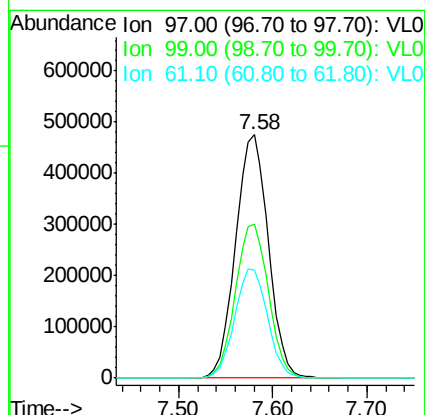
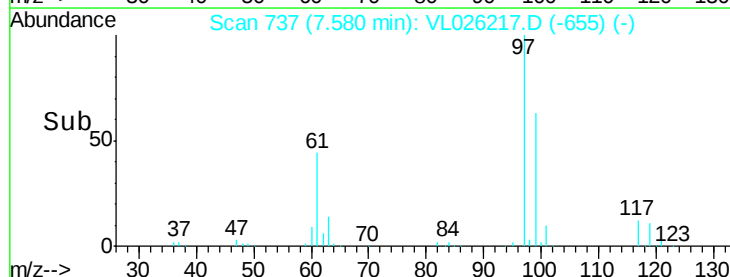
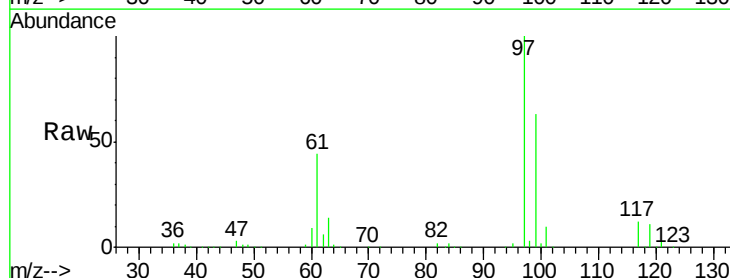
Tgt Ion: 97 Resp: 1153823

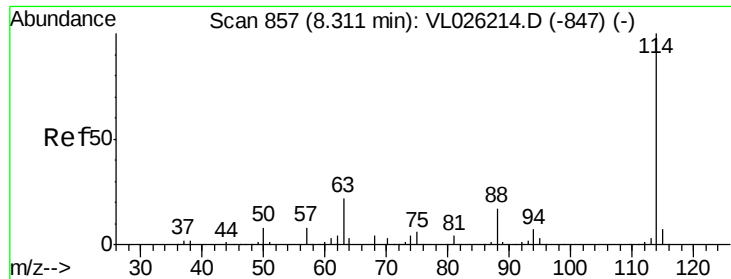
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 45.2 36.2 54.4



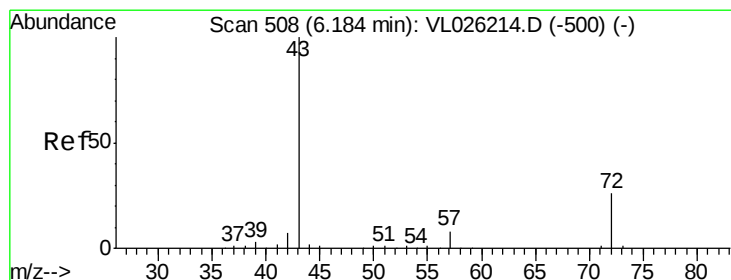
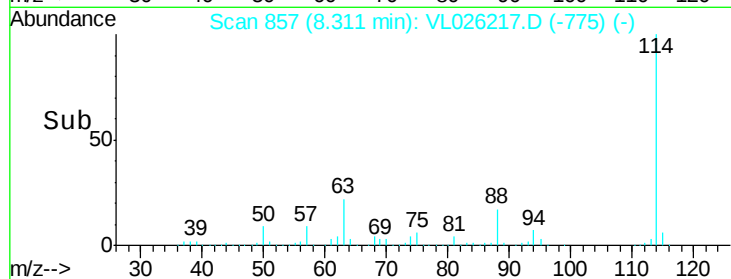
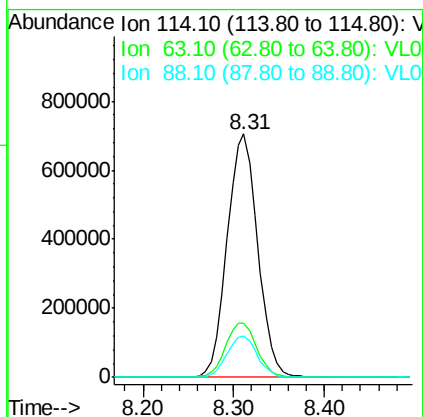
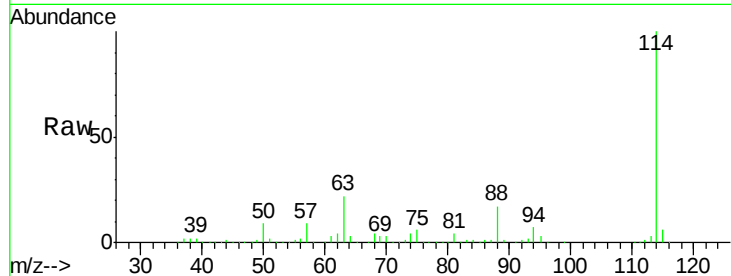


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion:114 Resp: 1646487

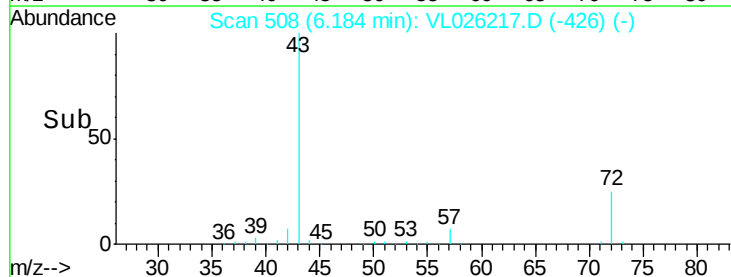
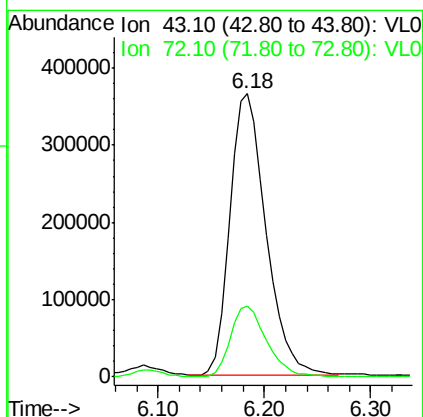
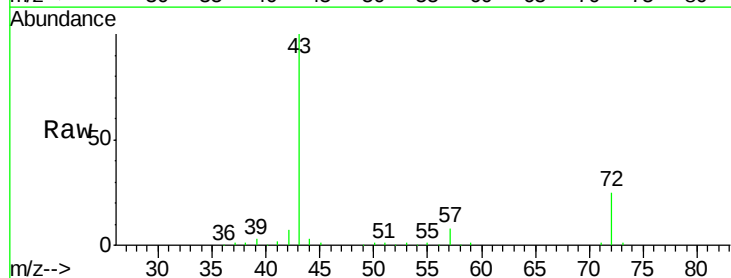
Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.2	27.4
88	16.9	13.5	20.3

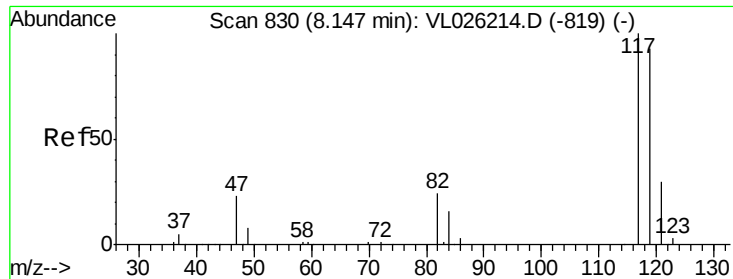


#34
 2-Butanone
 Concen: 9.31 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 43 Resp: 866265

Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.1	30.1





#35

Carbon Tetrachloride

Concen: 9.65 ppbv

RT: 8.14 min Scan# 829

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

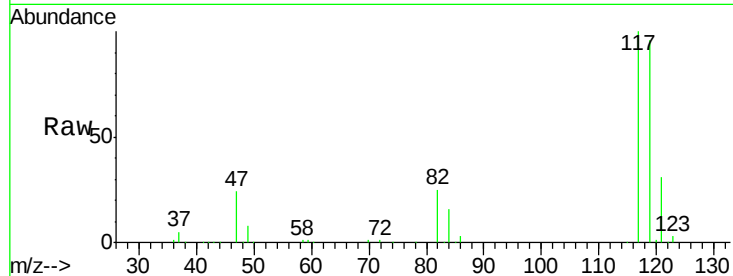
Tot Ion:117 Resp: 1210920

Ion Ratio Lower Upper

117 100

119 96.0 74.6 111.8

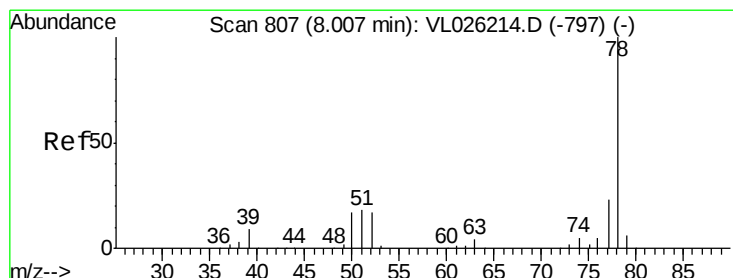
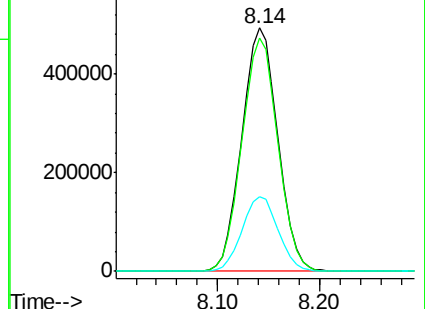
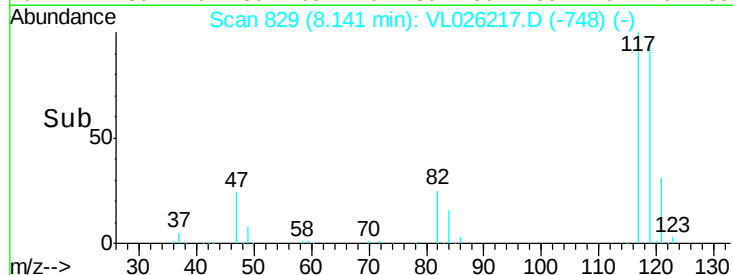
121 30.6 24.2 36.2



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: 9.52 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

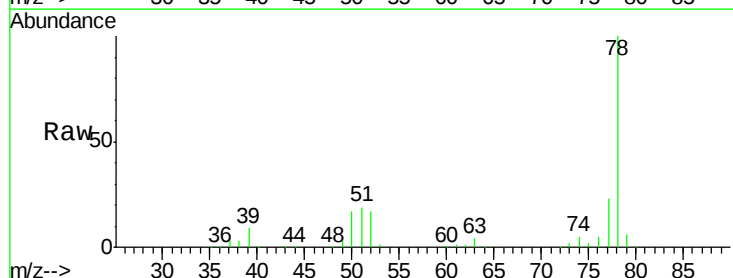
Tgt Ion: 78 Resp: 1596677

Ion Ratio Lower Upper

78 100

77 23.4 18.1 27.1

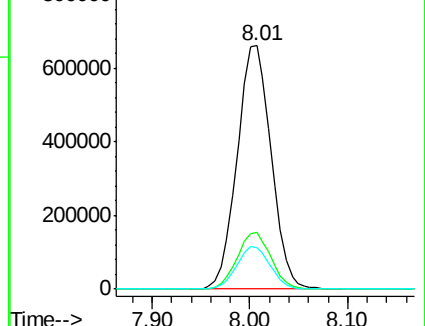
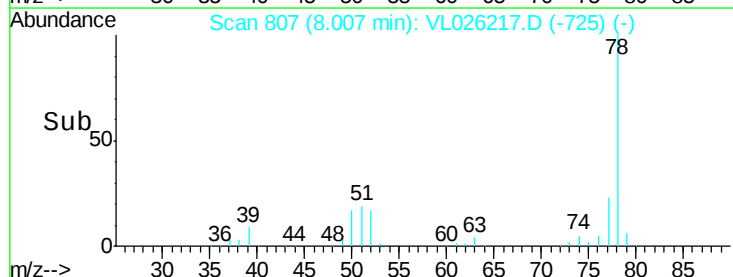
50 17.2 13.8 20.8

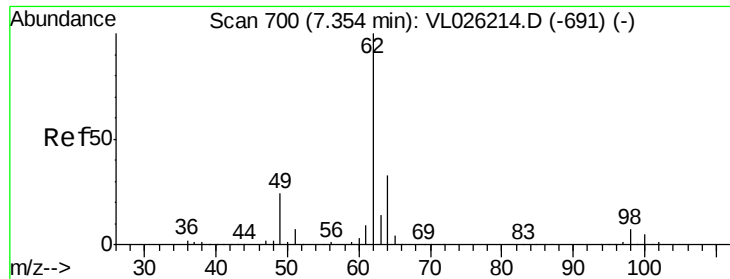


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

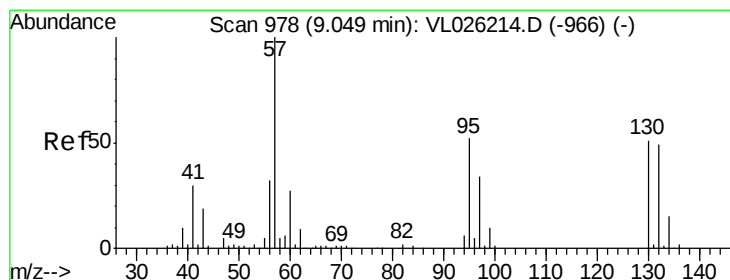
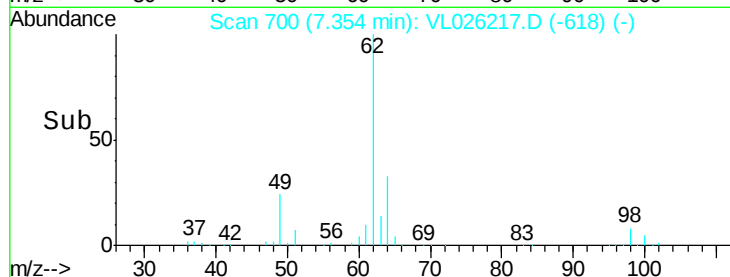
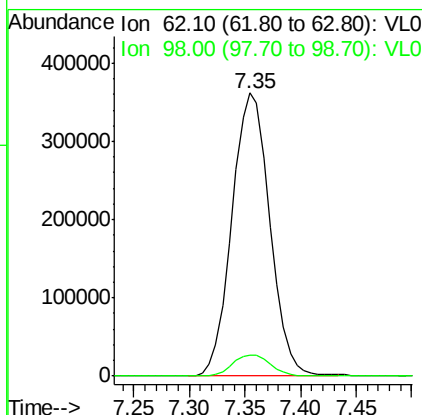
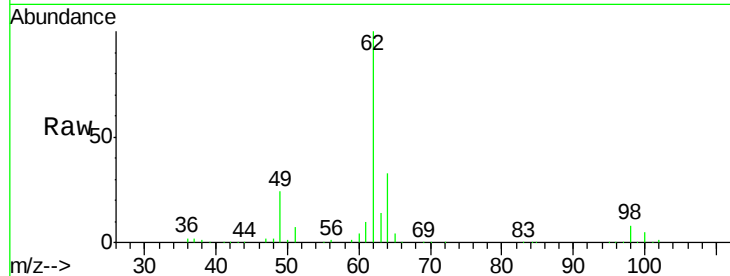




#37
 1,2-Dichloroethane
 Concen: 9.91 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

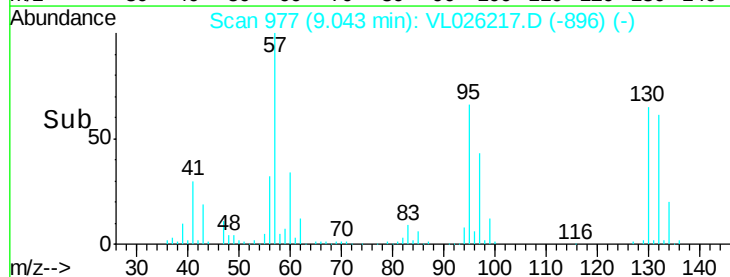
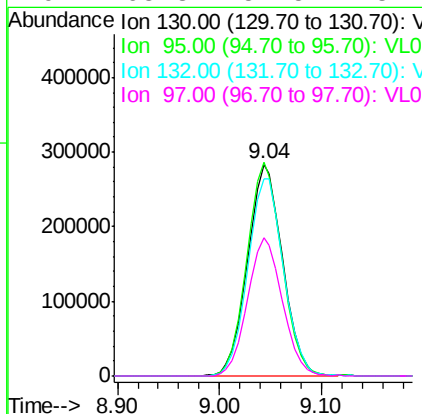
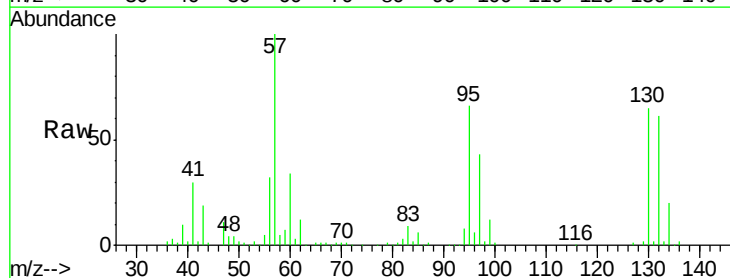
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

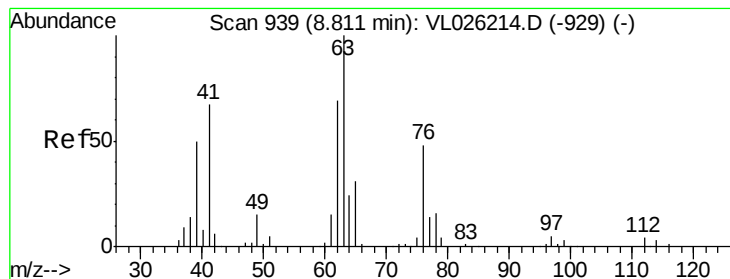
Tot Ion: 62 Resp: 854313
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1



#38
 Trichloroethene
 Concen: 8.33 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 130 Resp: 677468
 Ion Ratio Lower Upper
 130 100
 95 101.0 81.0 121.4
 132 93.2 76.5 114.7
 97 65.3 52.5 78.7





#39

1,2-Dichloropropane

Concen: 9.57 ppbv

RT: 8.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

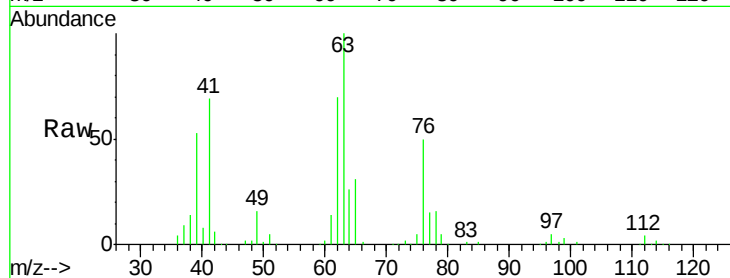
Tot Ion: 63 Resp: 564298

Ion Ratio Lower Upper

63 100

41 68.8 53.2 79.8

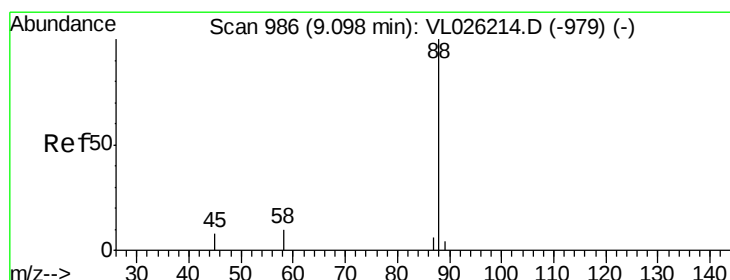
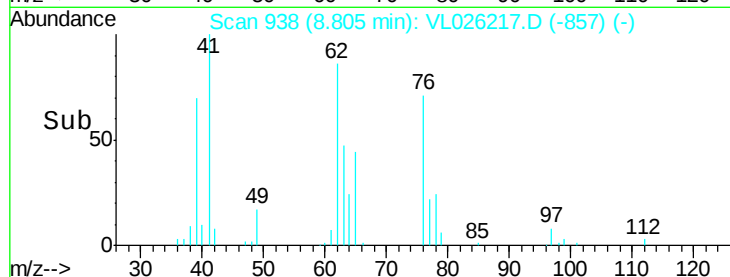
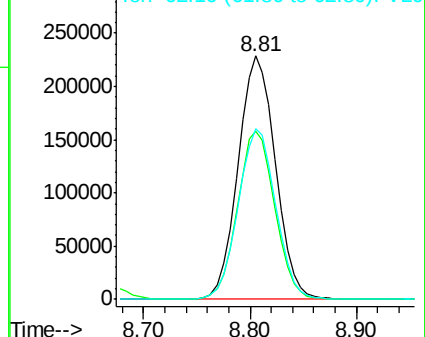
62 70.2 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 13.97 ppbv

RT: 9.10 min Scan# 986

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion: 88 Resp: 154840

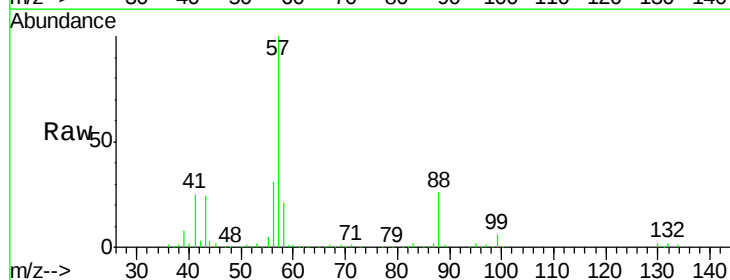
Ion Ratio Lower Upper

88 100

58 139.9 115.4 173.2

43 329.0 272.6 409.0

57 1635.3 1356.1 2034.1

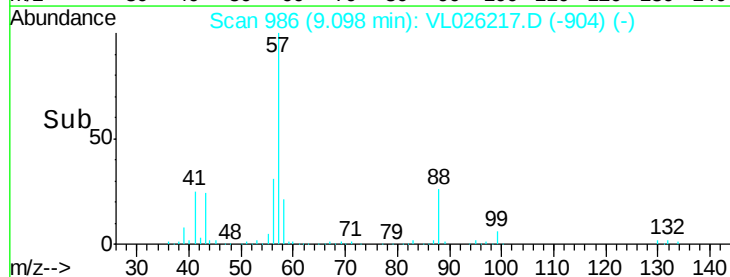
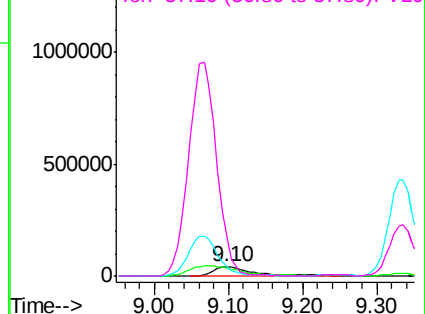


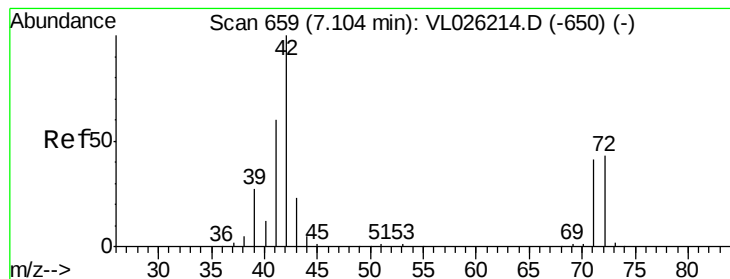
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.53 ppbv

RT: 7.10 min Scan# 658

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

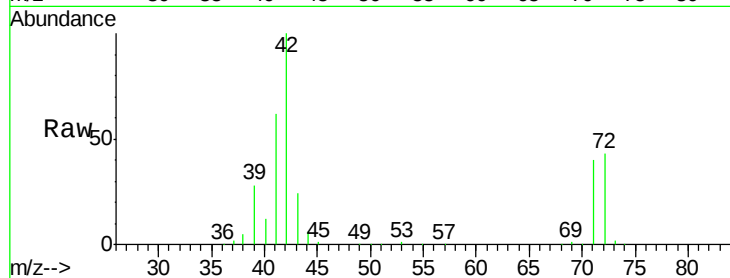
Tot Ion: 42 Resp: 513502

Ion Ratio Lower Upper

42 100

72 42.6 34.3 51.5

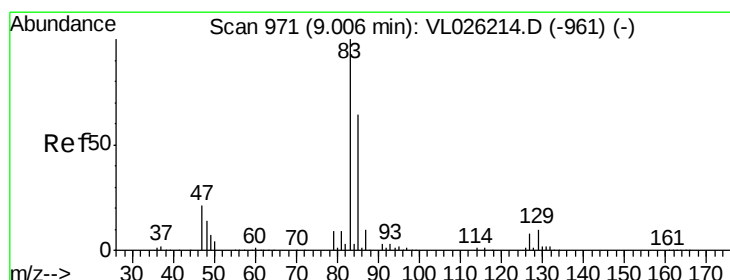
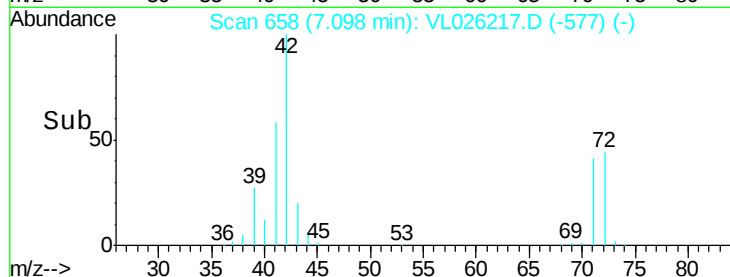
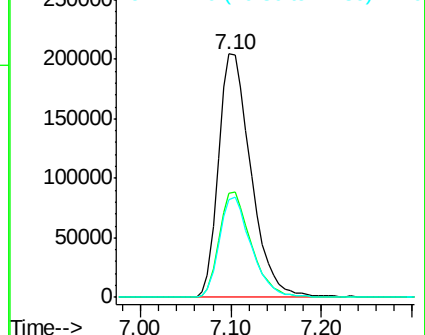
71 40.4 32.1 48.1



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: 9.97 ppbv

RT: 9.01 min Scan# 971

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

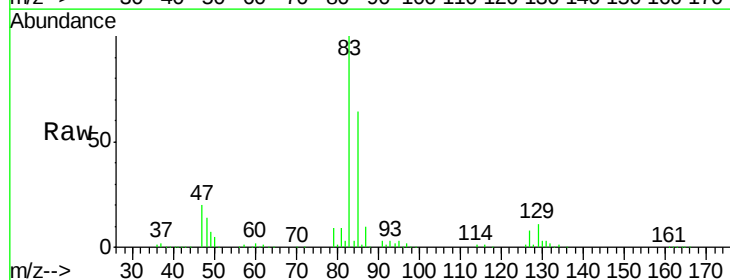
Tgt Ion: 83 Resp: 1235315

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

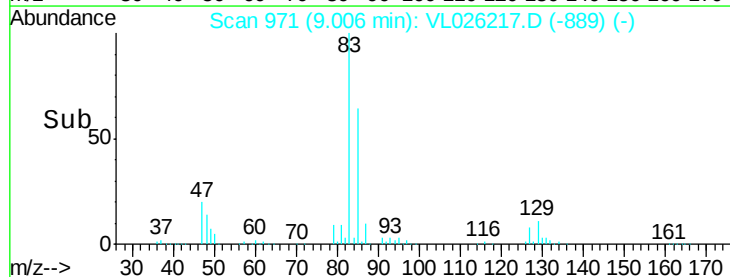
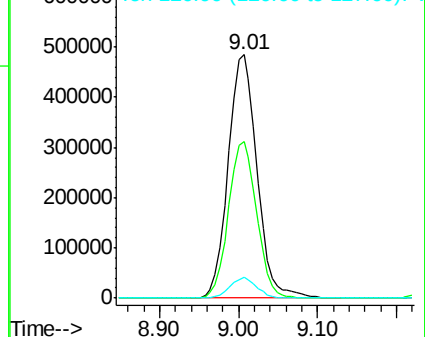
127 8.4 6.2 9.4

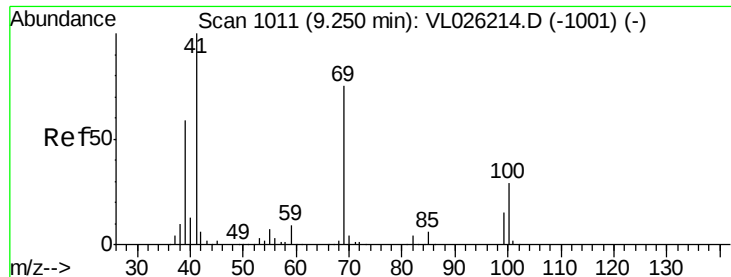


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

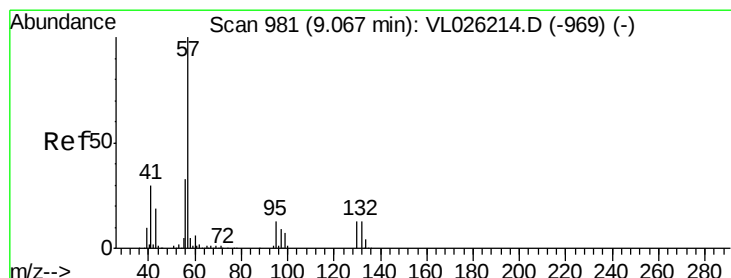
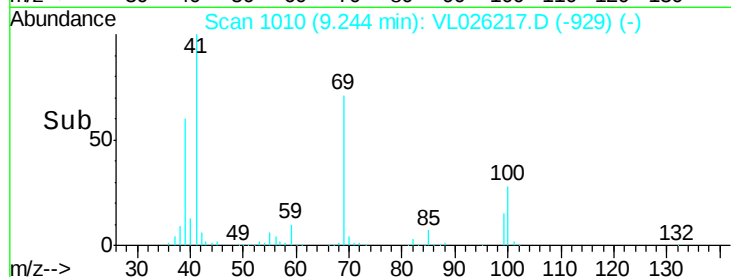
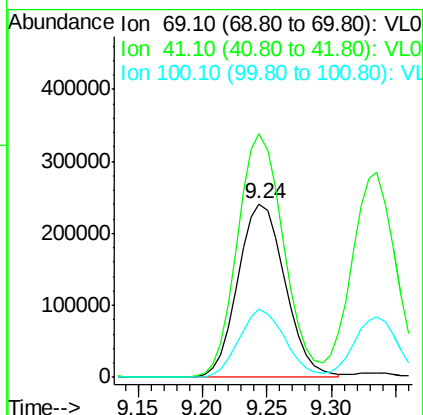
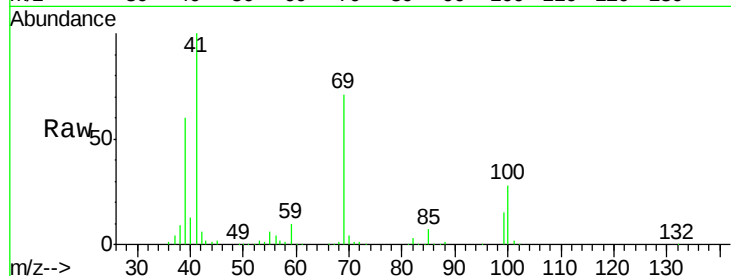




#43
Methvl Methacrylate
Concen: 10.03 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

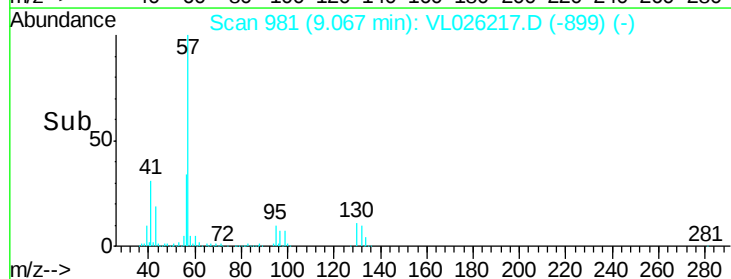
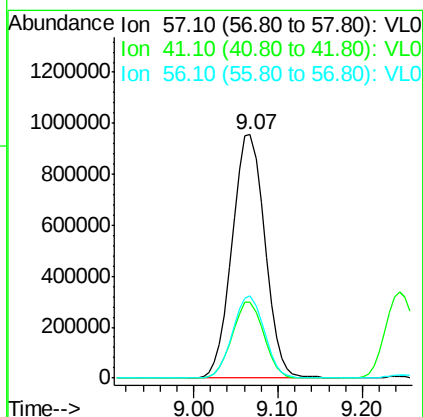
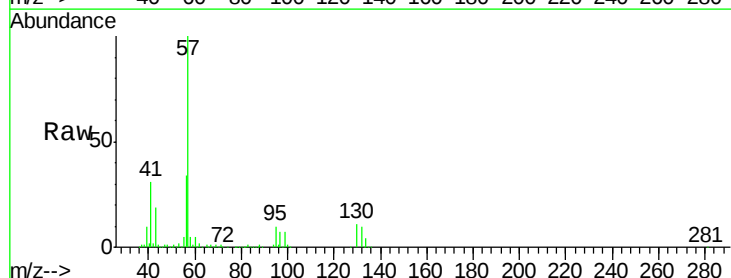
Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

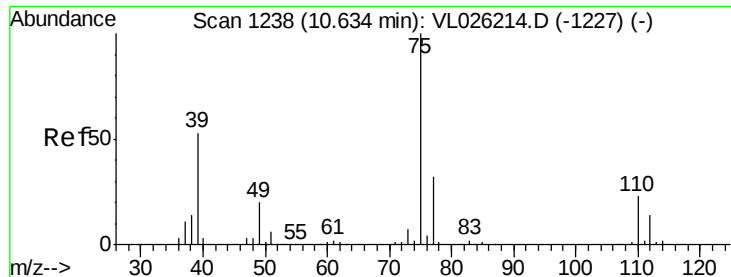
Tot Ion: 69 Resp: 611966
Ion Ratio Lower Upper
69 100
41 139.3 108.4 162.6
100 38.6 30.6 45.8



#44
2,2,4-Trimethylpentane
Concen: 9.31 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 57 Resp: 2527884
Ion Ratio Lower Upper
57 100
41 30.1 23.7 35.5
56 32.6 25.9 38.9

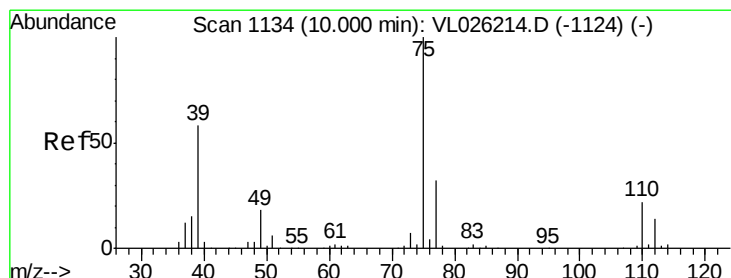
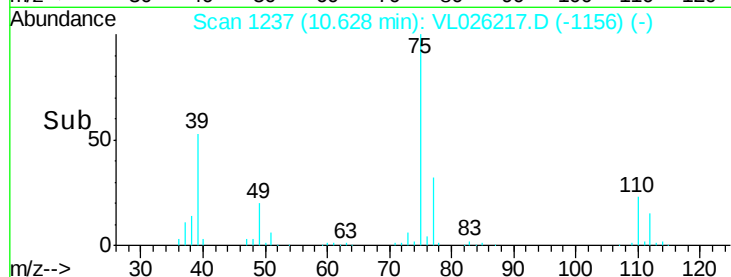
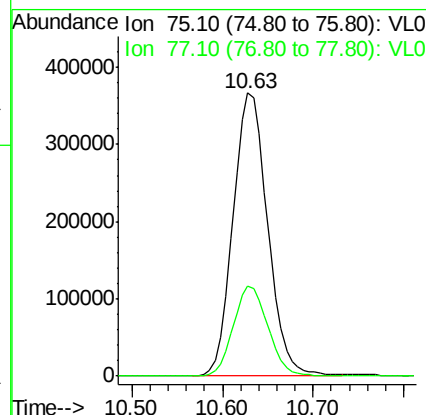
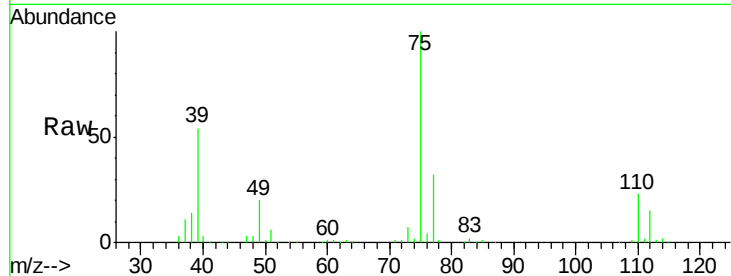




#45
 t-1,3-Dichloropropene
 Concen: 10.23 ppbv
 RT: 10.63 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

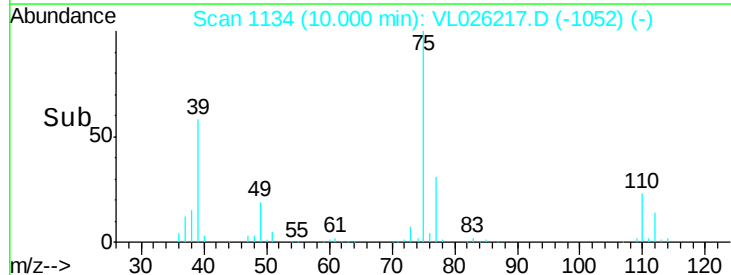
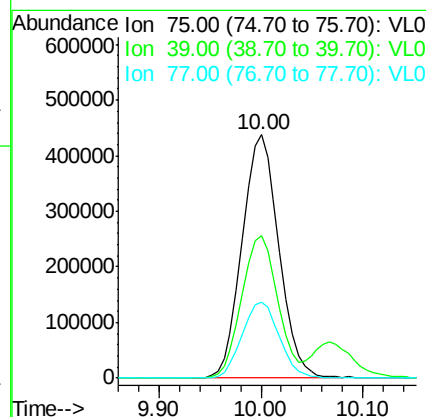
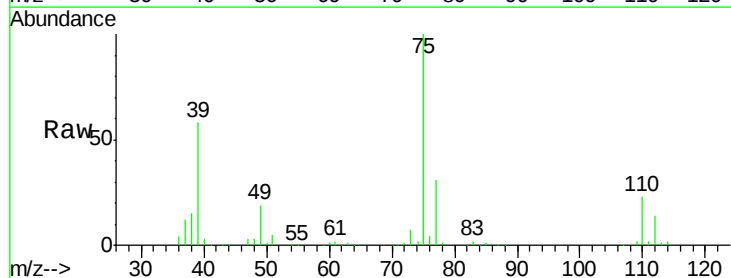
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

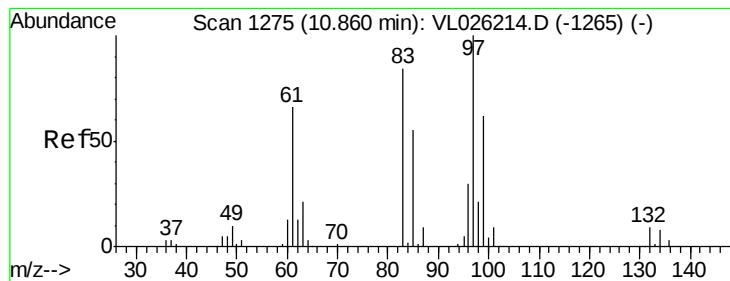
Tot Ion: 75 Resp: 974017
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#46
 cis-1,3-Dichloropropene
 Concen: 9.83 ppbv
 RT: 10.00 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 75 Resp: 1095872
 Ion Ratio Lower Upper
 75 100
 39 58.3 46.2 69.4
 77 31.1 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.73 ppbv

RT: 10.86 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 97 Resp: 721365

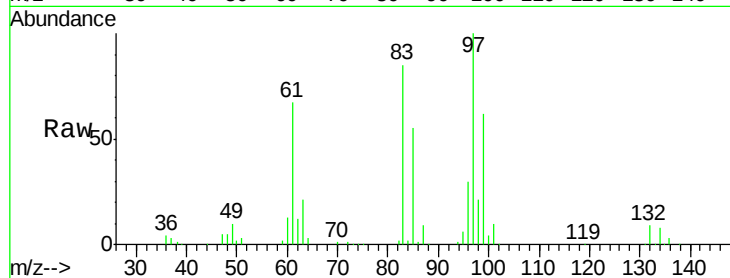
Ion Ratio Lower Upper

97 100

83 85.4 67.4 101.2

85 54.5 43.8 65.6

99 62.4 49.8 74.6

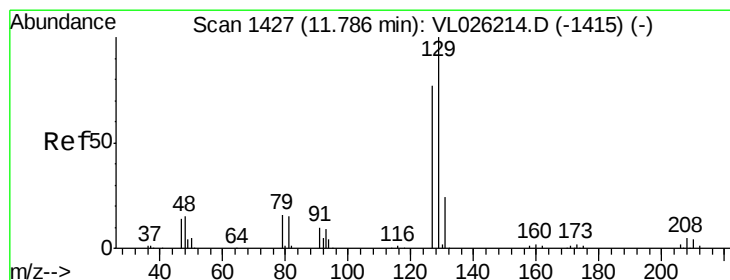
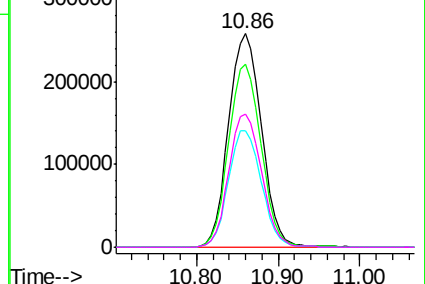
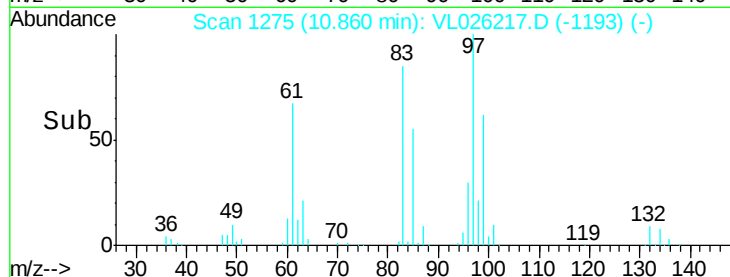


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.92 ppbv

RT: 11.78 min Scan# 1426

Delta R.T. -0.01 min

Lab File: VL026217.D

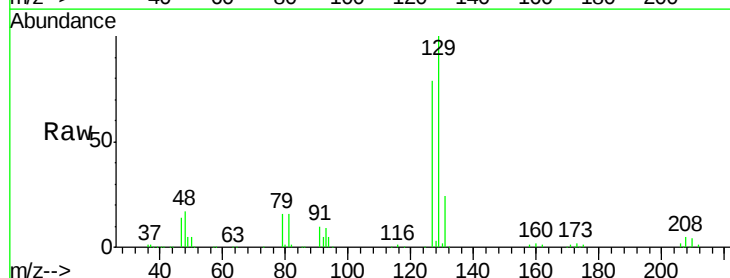
Acq: 20 Oct 2015 21:49

Tgt Ion: 129 Resp: 1198231

Ion Ratio Lower Upper

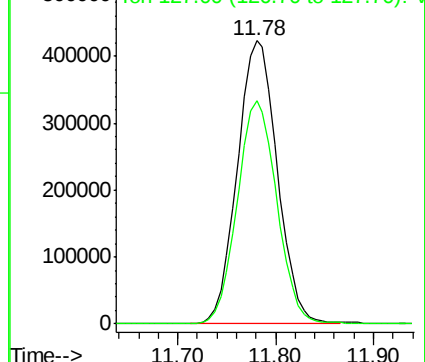
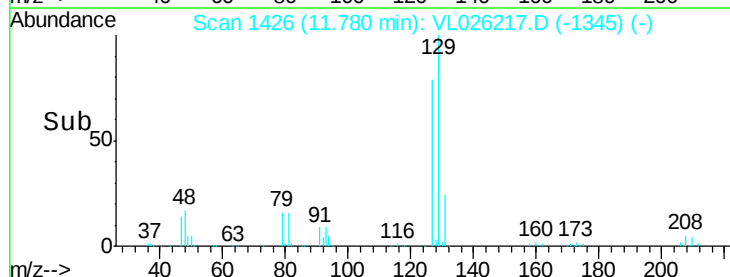
129 100

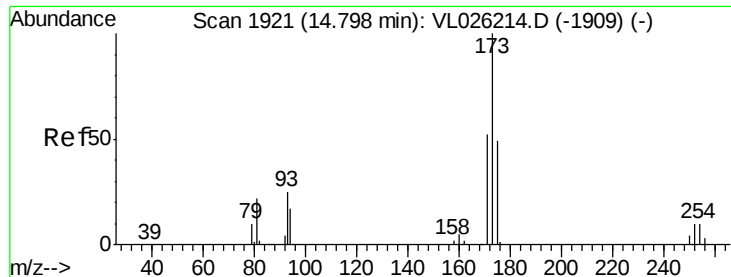
127 78.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.14 ppbv

RT: 14.79 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

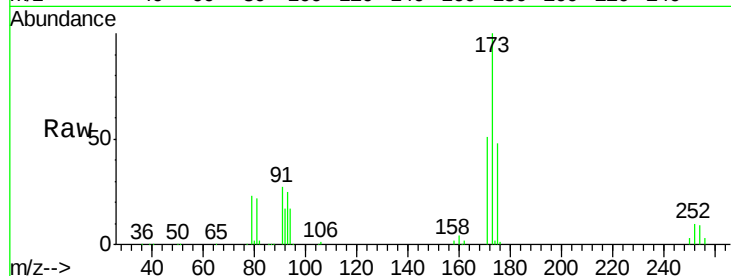
Tot Ion:173 Resp: 1033621

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

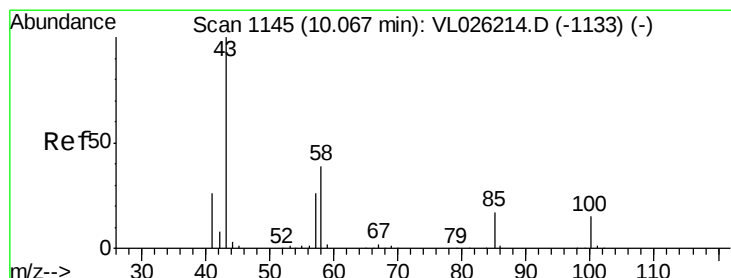
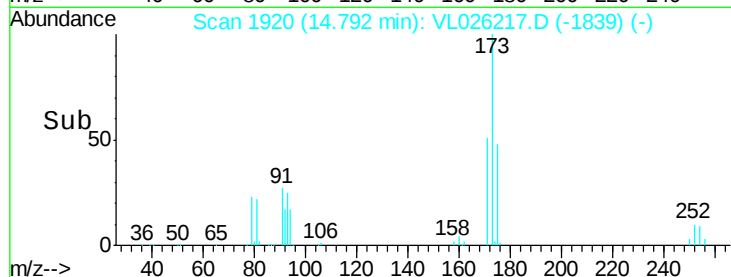
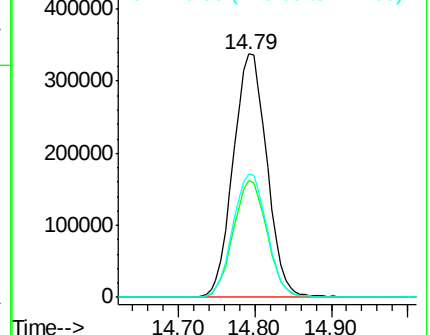
171 51.6 41.6 62.4



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: 9.91 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026217.D

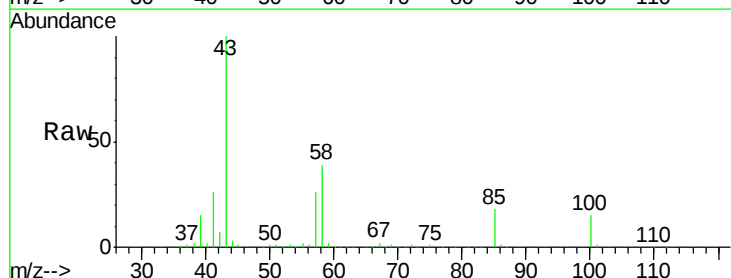
Acq: 20 Oct 2015 21:49

Tgt Ion: 43 Resp: 1244937

Ion Ratio Lower Upper

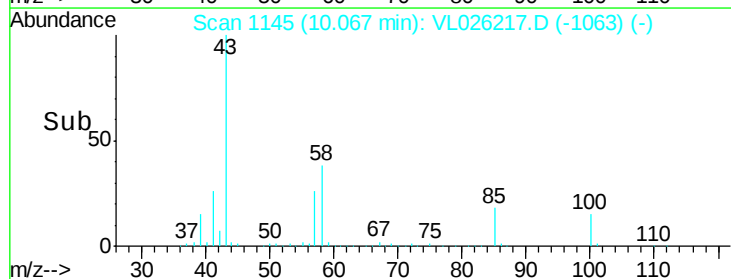
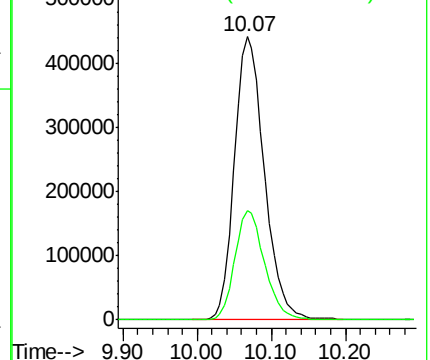
43 100

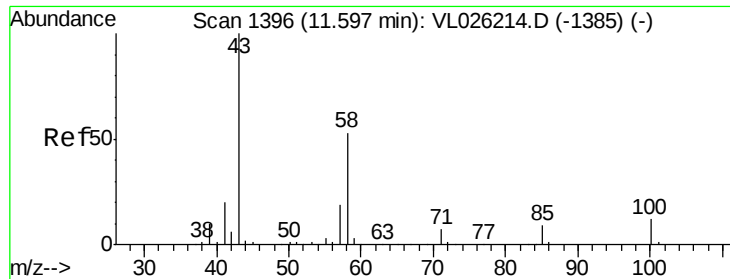
58 38.5 31.1 46.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.19 ppbv

RT: 11.60 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

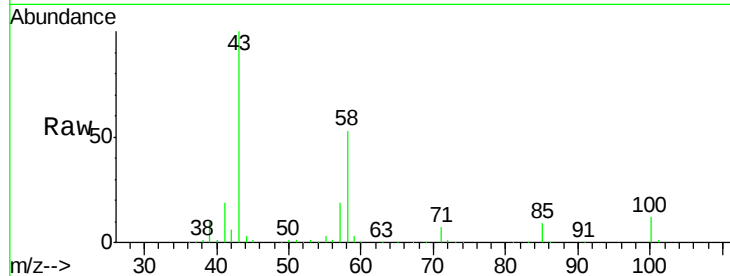
Tot Ion: 43 Resp: 1196107

Ion Ratio Lower Upper

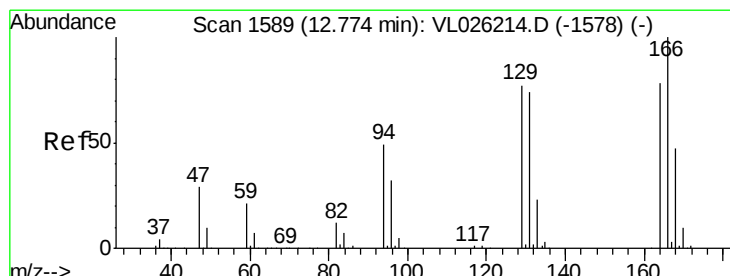
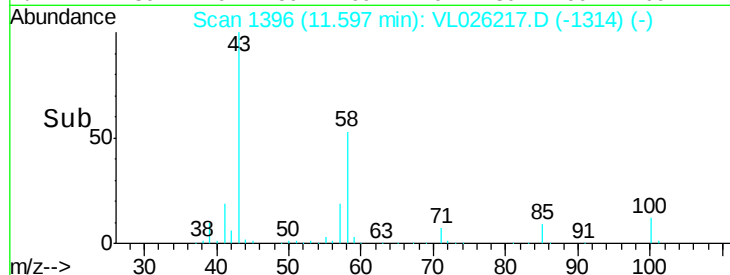
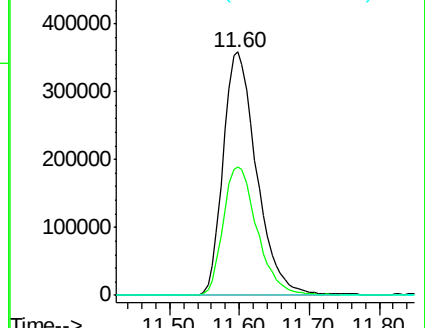
43 100

58 53.7 43.2 64.8

98 0.0 0.0 0.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.79 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion: 164 Resp: 749627

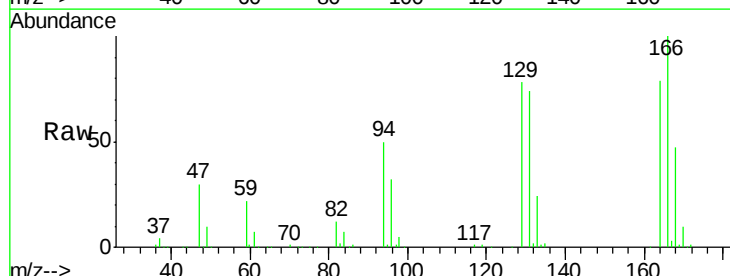
Ion Ratio Lower Upper

164 100

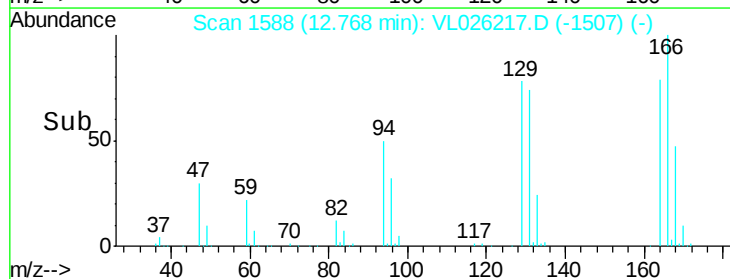
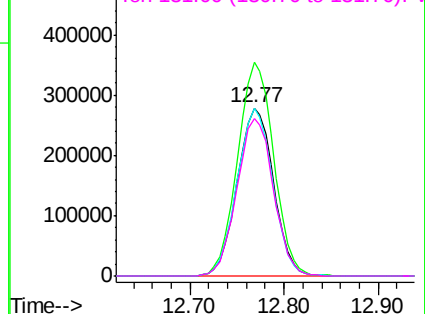
166 127.3 102.3 153.5

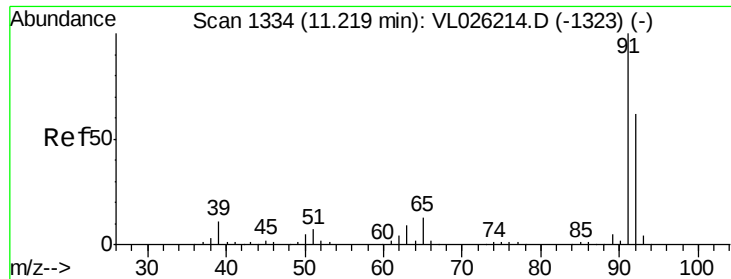
129 99.9 78.2 117.4

131 93.8 75.7 113.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.42 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

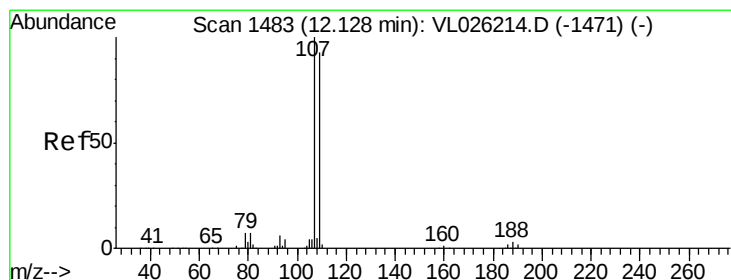
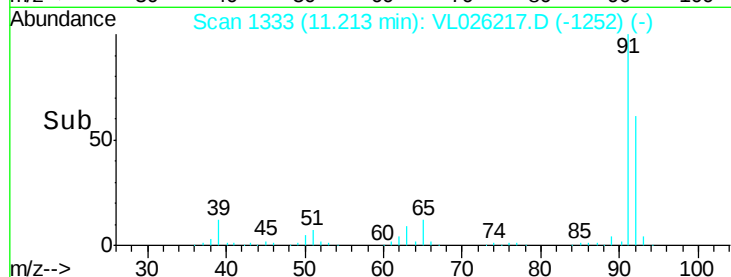
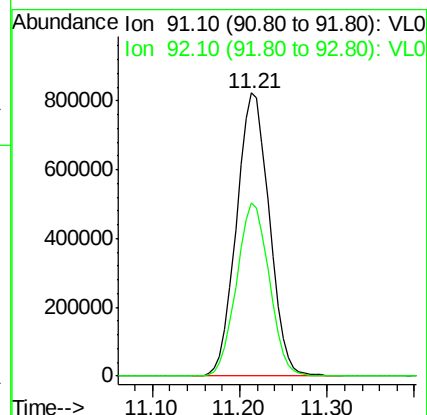
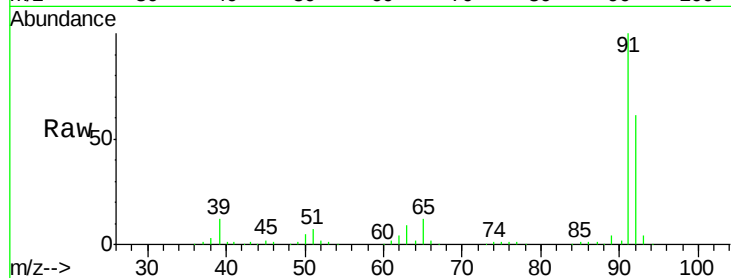
VL1020ABS01

Tot Ion: 91 Resp: 2148766

Ion Ratio Lower Upper

91 100

92 61.1 49.2 73.8



#54

1,2-Dibromoethane

Concen: 9.67 ppbv

RT: 12.12 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL026217.D

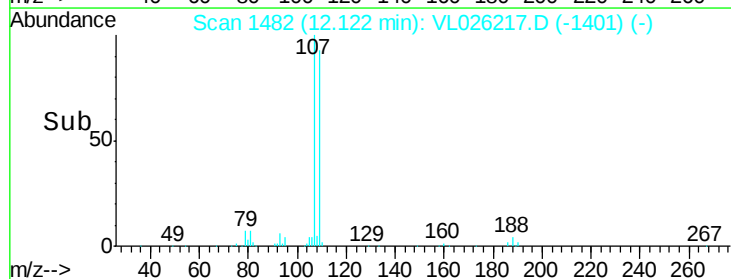
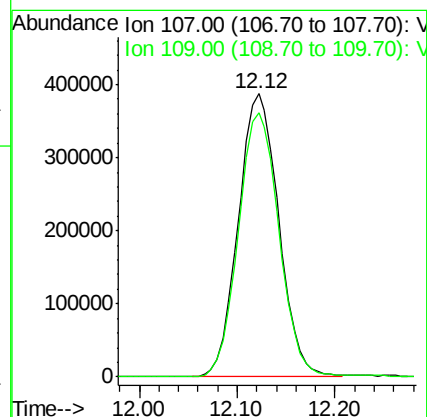
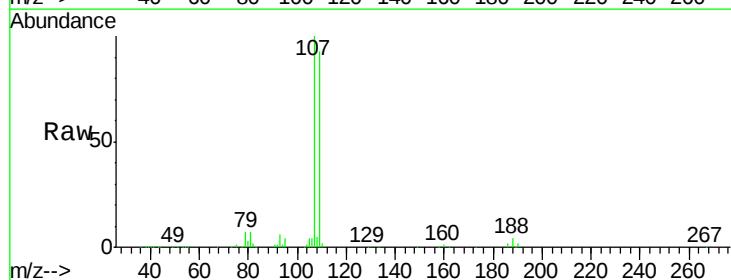
Acq: 20 Oct 2015 21:49

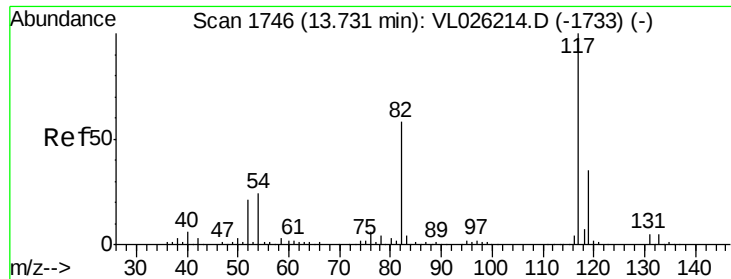
Tgt Ion: 107 Resp: 1109388

Ion Ratio Lower Upper

107 100

109 93.2 74.7 112.1

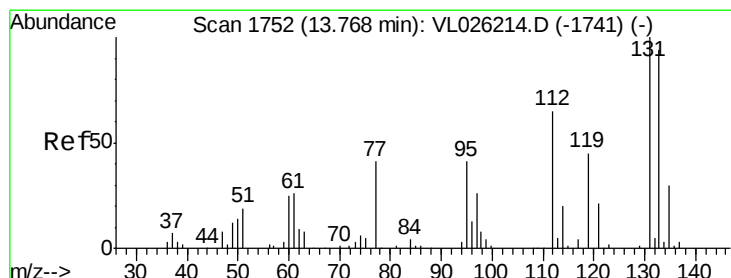
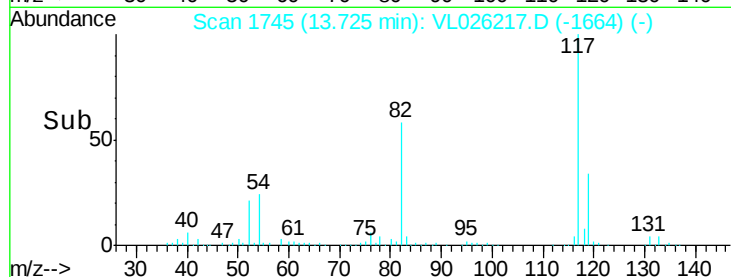
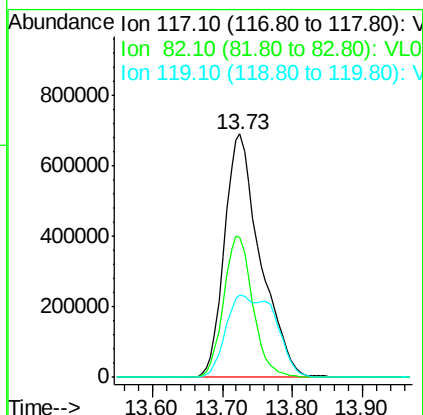
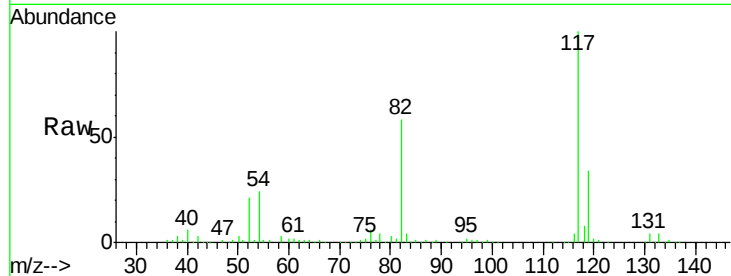




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

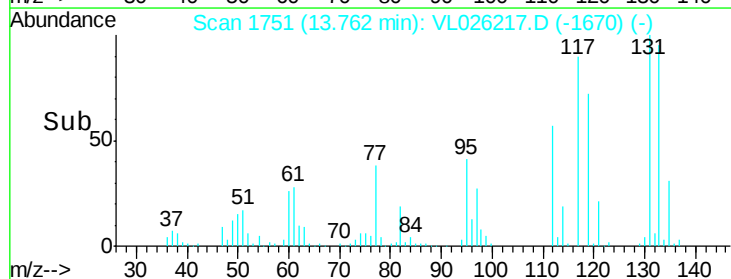
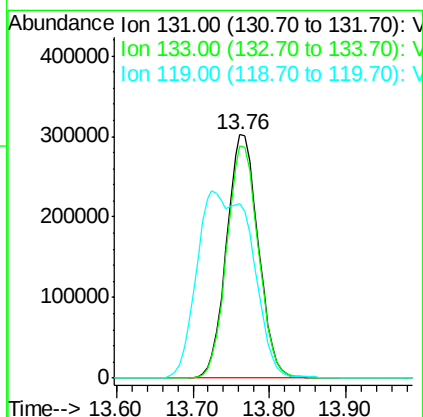
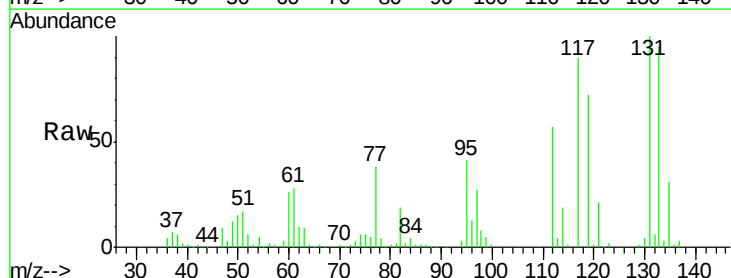
Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

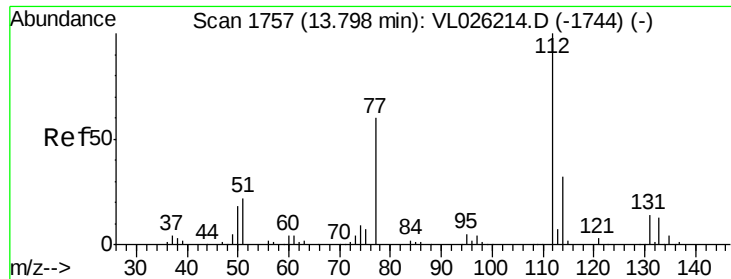
Tot Ion:117 Resp: 2454943
Ion Ratio Lower Upper
117 100
82 47.8 45.8 68.8
119 47.4 45.0 67.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.38 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion:131 Resp: 869394
Ion Ratio Lower Upper
131 100
133 95.7 75.9 113.9
119 133.8 108.0 162.0

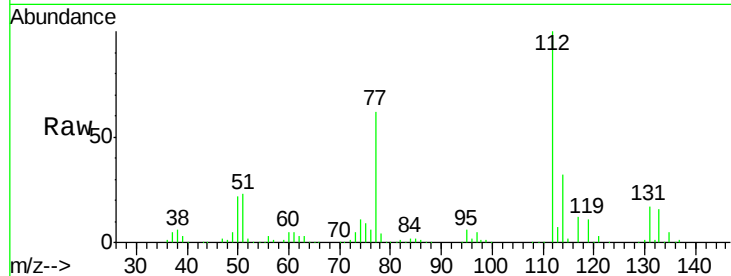




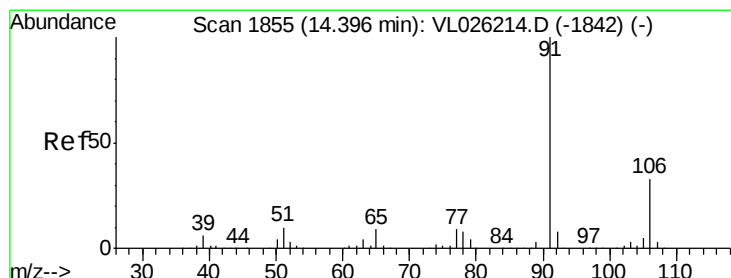
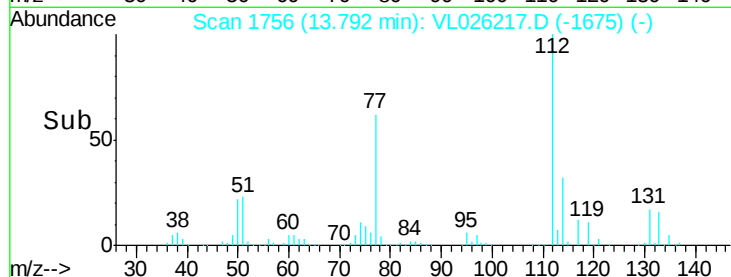
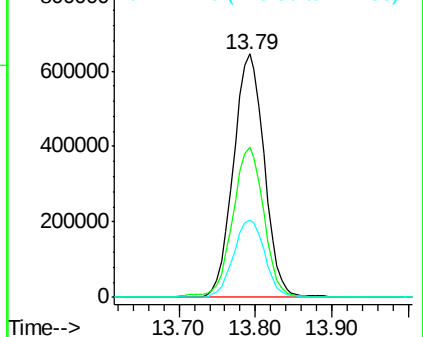
#57
Chlorobenzene
Concen: 7.68 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion:112 Resp: 1805428
Ion Ratio Lower Upper
112 100
77 61.7 48.4 72.6
114 31.8 29.0 35.4

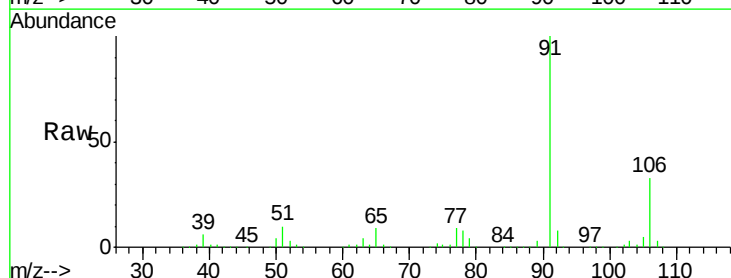


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

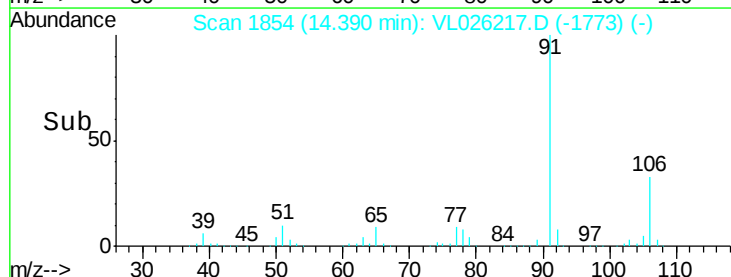
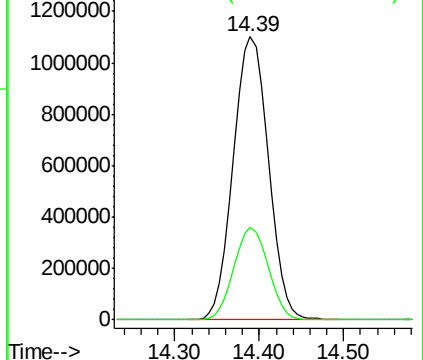


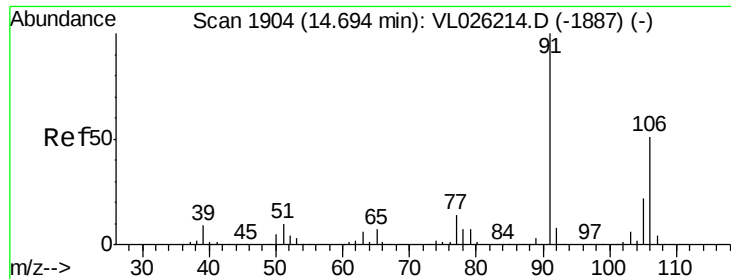
#58
Ethyl Benzene
Concen: 7.86 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 3126820
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

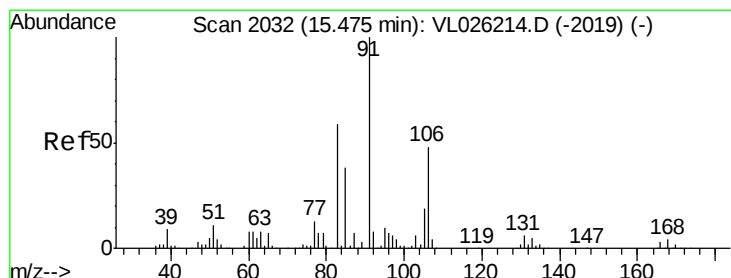
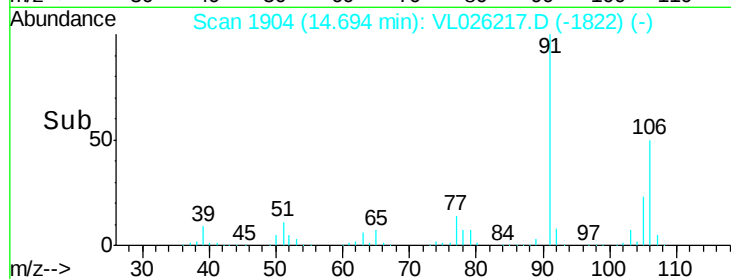
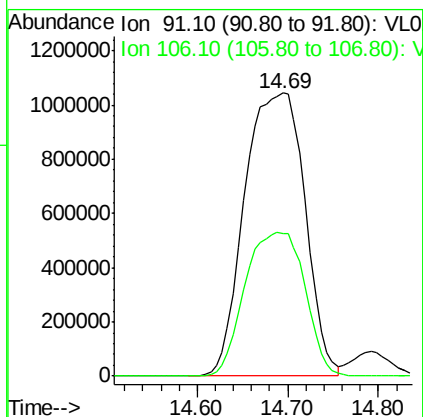
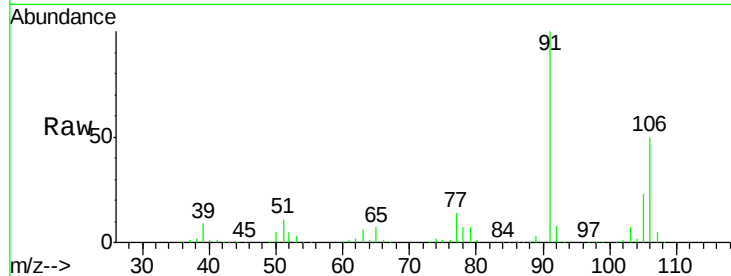




#59
m/p-Xylene
Concen: 15.37 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

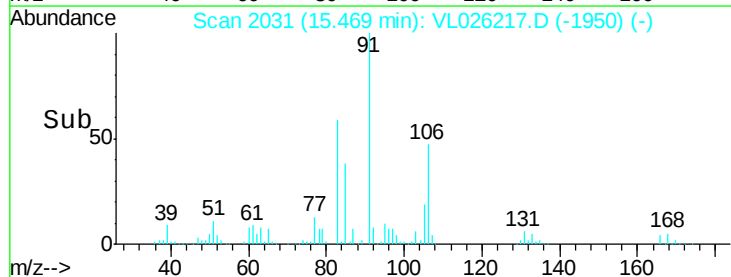
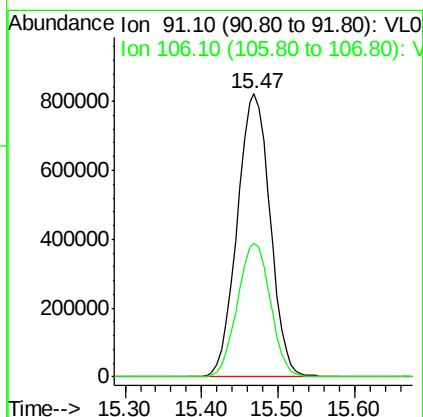
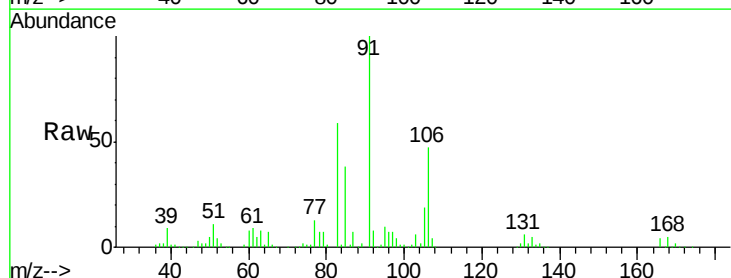
Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

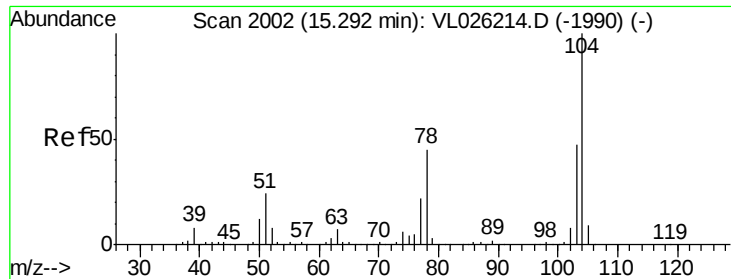
Tot Ion: 91 Resp: 4787980
Ion Ratio Lower Upper
91 100
106 50.9 40.6 61.0



#60
o-Xylene
Concen: 7.55 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 2457958
Ion Ratio Lower Upper
91 100
106 47.6 23.8 71.5





#61

Stvrene

Concen: 8.43 ppbv

RT: 15.29 min Scan# 2001

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

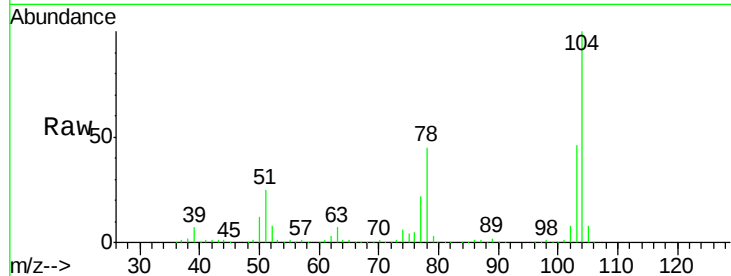
Tot Ion:104 Resp: 1242257

Ion Ratio Lower Upper

104 100

78 44.5 35.3 52.9

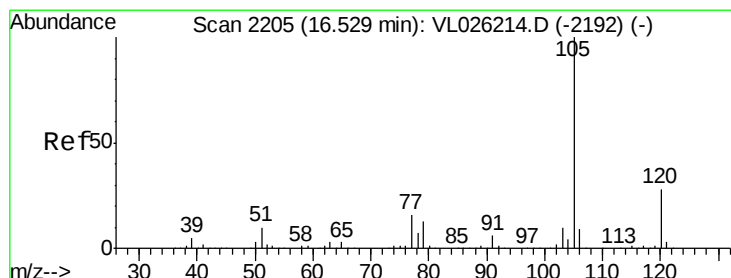
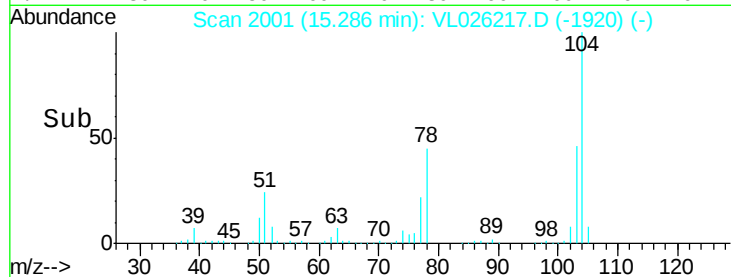
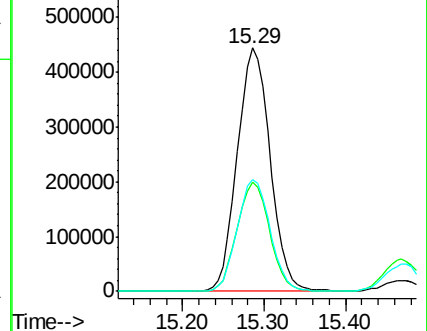
103 46.1 37.0 55.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.74 ppbv

RT: 16.52 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL026217.D

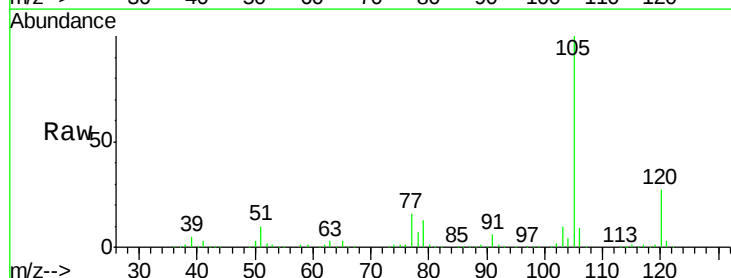
Acq: 20 Oct 2015 21:49

Tgt Ion:105 Resp: 3506072

Ion Ratio Lower Upper

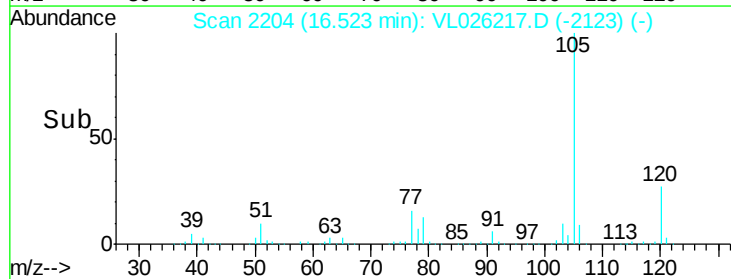
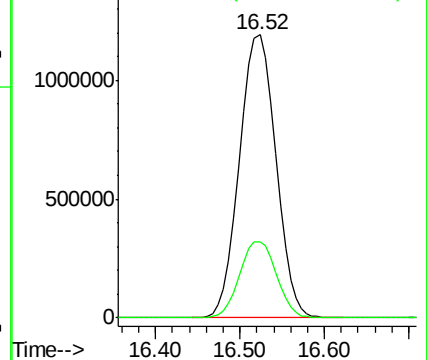
105 100

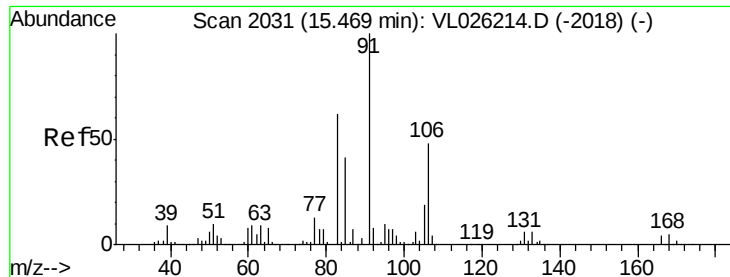
120 27.2 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

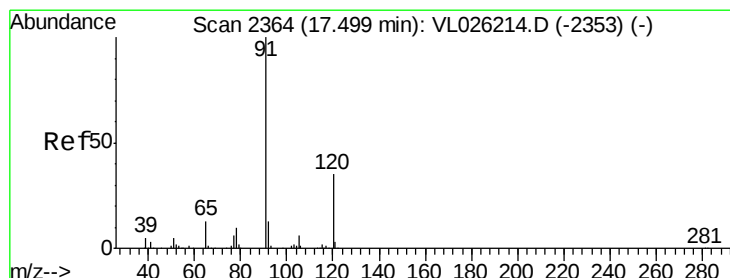
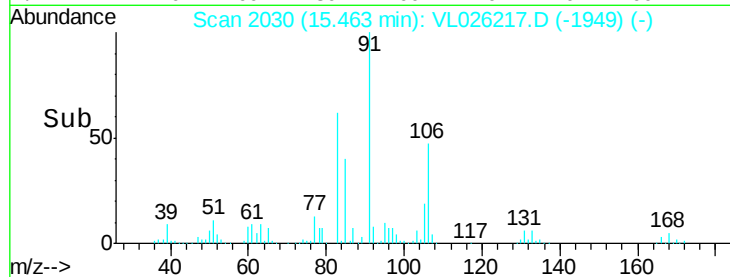
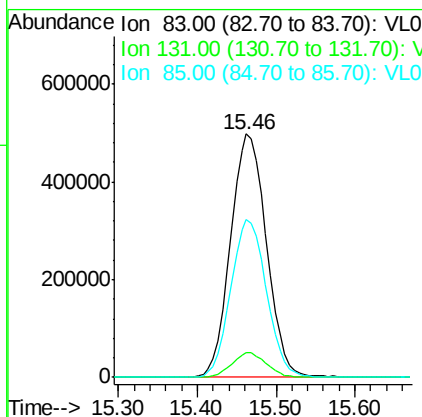
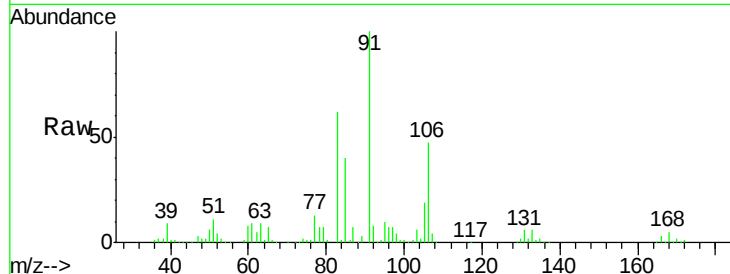




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.33 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

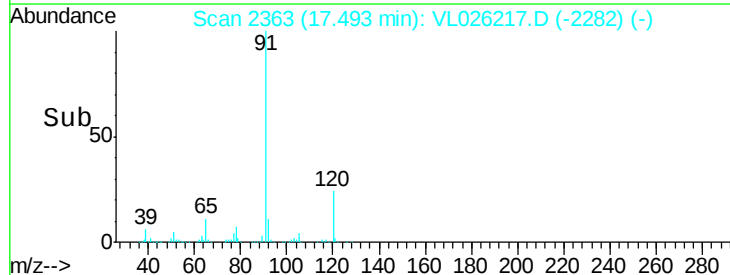
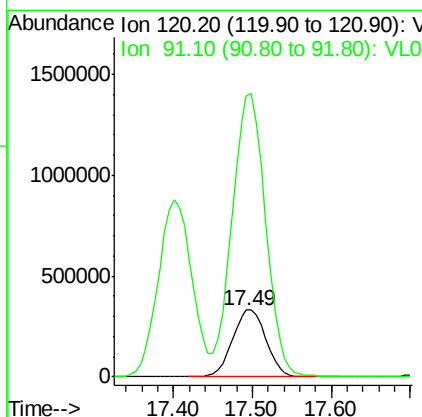
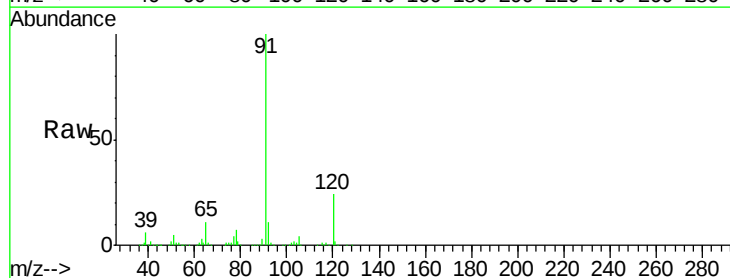
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

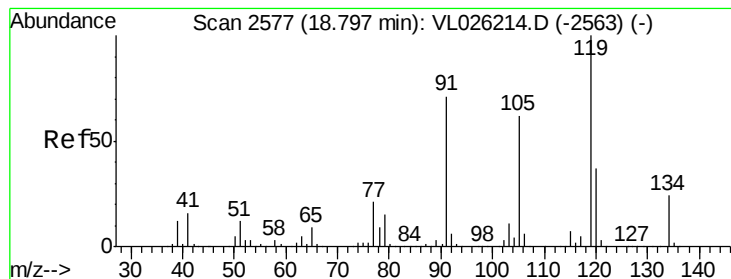
Tot Ion: 83 Resp: 1577546
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.0 14.9
 85 64.7 32.3 96.9



#64
 n-propylbenzene
 Concen: 7.87 ppbv
 RT: 17.49 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion:120 Resp: 980125
 Ion Ratio Lower Upper
 120 100
 91 421.1 331.7 497.5





#65

tert-Butylbenzene

Concen: 7.41 ppbv

RT: 18.79 min Scan# 2575

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

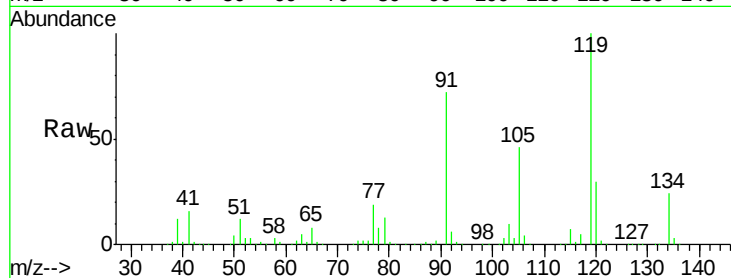
Tot Ion:119 Resp: 3064152

Ion Ratio Lower Upper

119 100

91 71.7 57.5 86.3

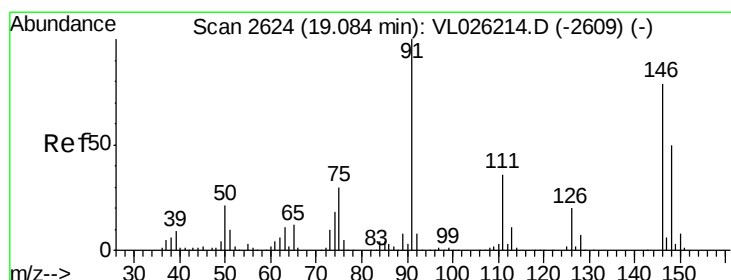
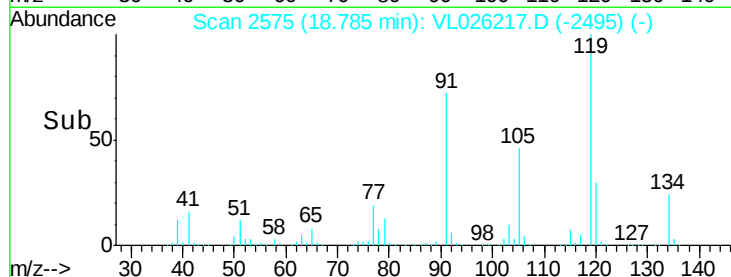
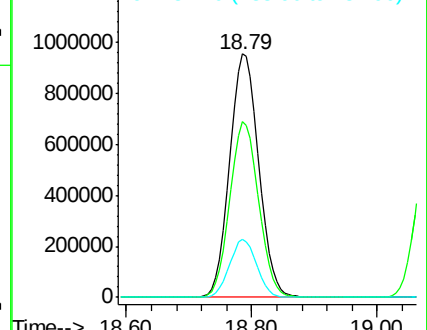
134 22.3 18.1 27.1



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: 8.20 ppbv

RT: 19.08 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

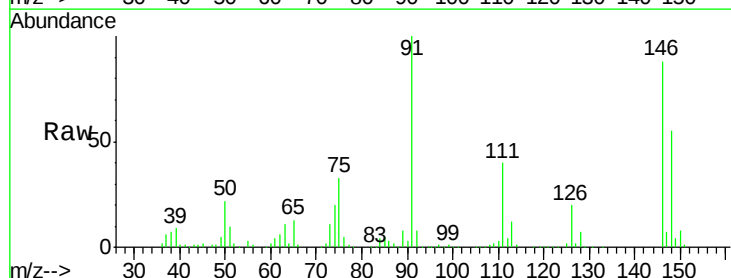
Tgt Ion: 91 Resp: 1398840

Ion Ratio Lower Upper

91 100

126 20.3 16.2 24.2

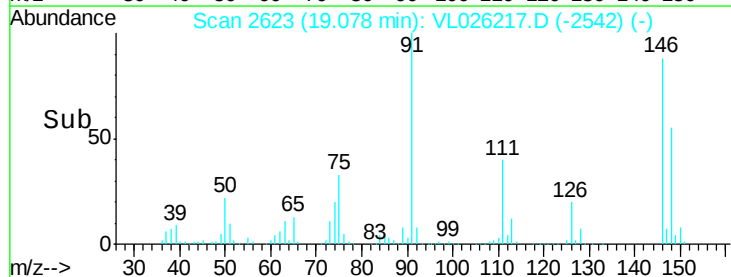
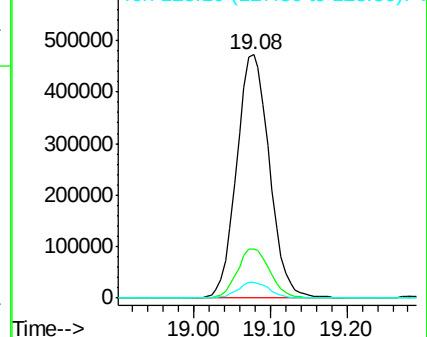
128 6.4 5.1 7.7

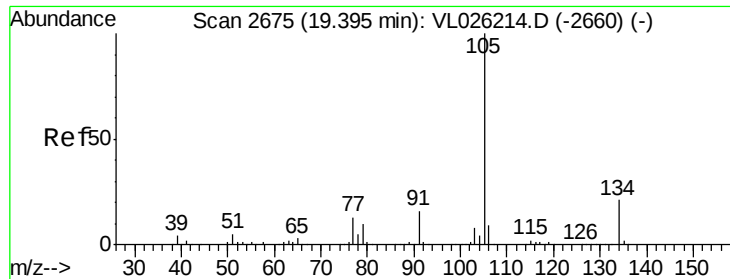


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.63 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

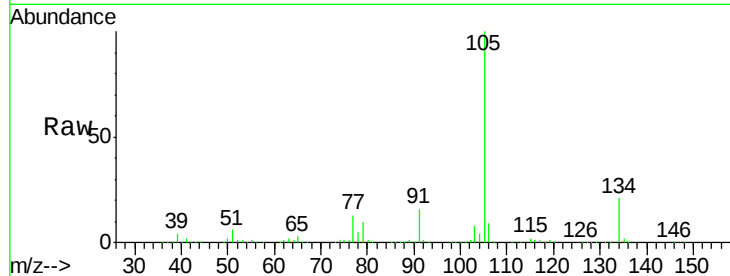
VL1020ABS01

Tot Ion:105 Resp: 4398157

Ion Ratio Lower Upper

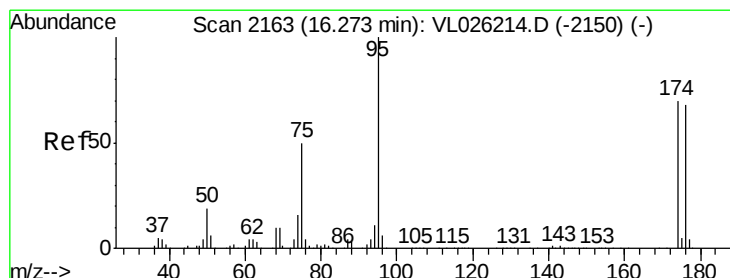
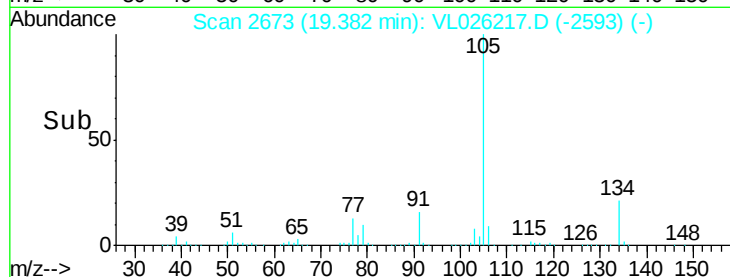
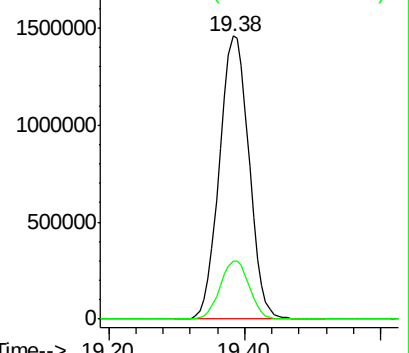
105 100

134 20.5 16.2 24.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.26 ppbv

RT: 16.26 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

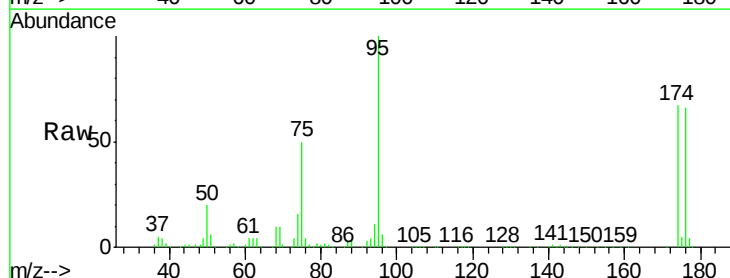
Tgt Ion: 95 Resp: 1563230

Ion Ratio Lower Upper

95 100

174 69.6 55.8 83.8

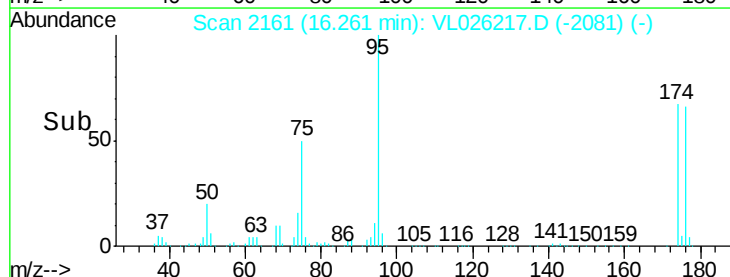
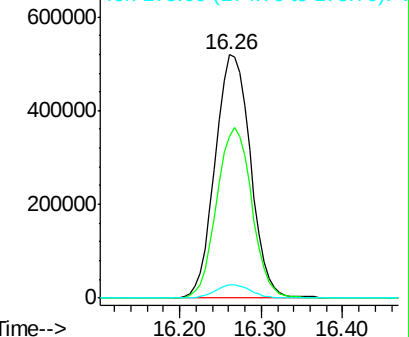
175 5.4 4.3 6.5

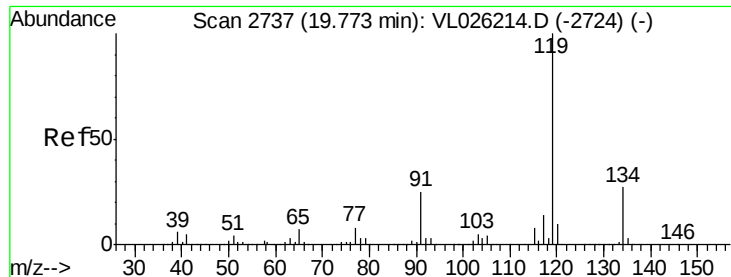


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.65 ppbv

RT: 19.76 min Scan# 2735

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

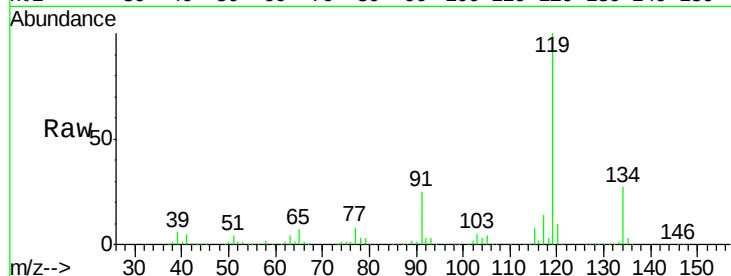
Tot Ion:119 Resp: 3688760

Ion Ratio Lower Upper

119 100

134 26.7 21.4 32.0

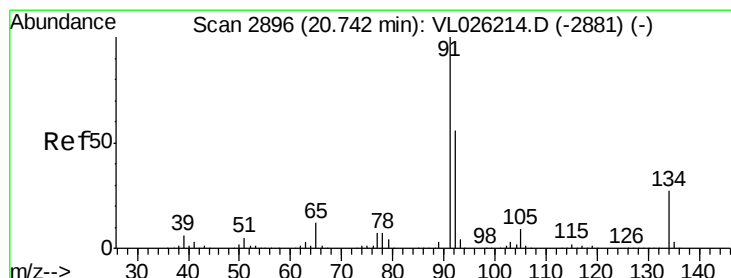
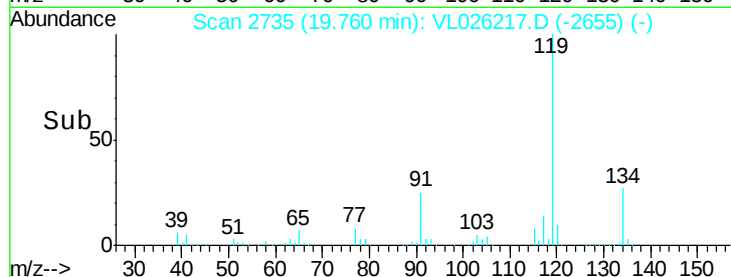
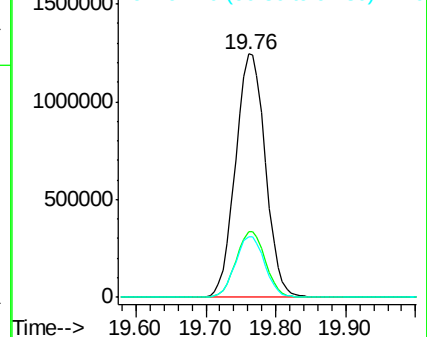
91 24.7 19.5 29.3



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: 7.73 ppbv

RT: 20.73 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

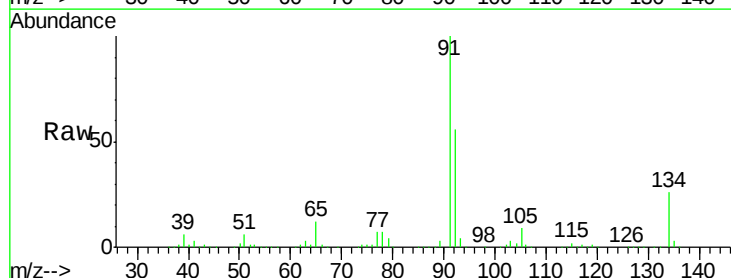
Tgt Ion: 91 Resp: 3406668

Ion Ratio Lower Upper

91 100

92 56.5 45.0 67.6

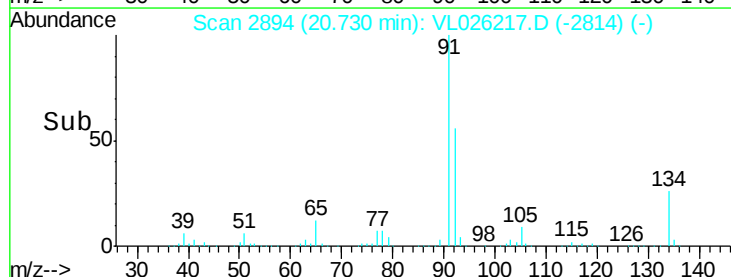
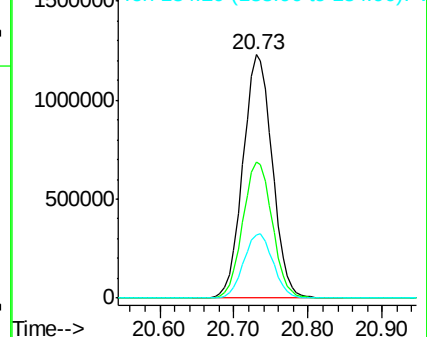
134 26.6 21.4 32.0

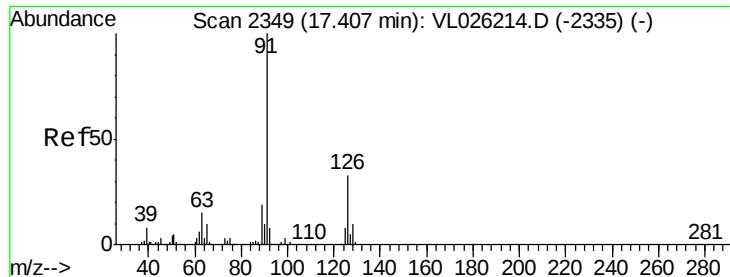


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.88 ppbv

RT: 17.40 min Scan# 2348

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

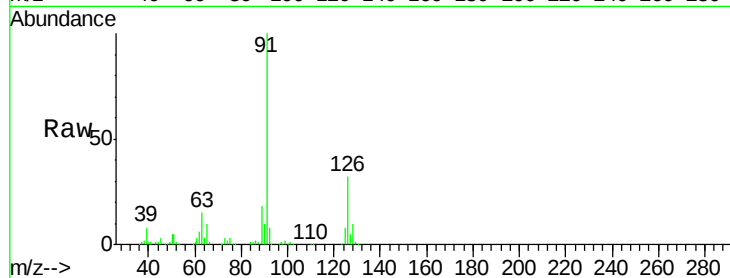
VL1020ABS01

Tot Ion: 91 Resp: 2627191

Ion Ratio Lower Upper

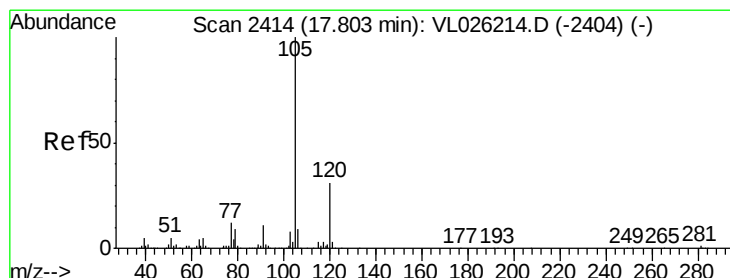
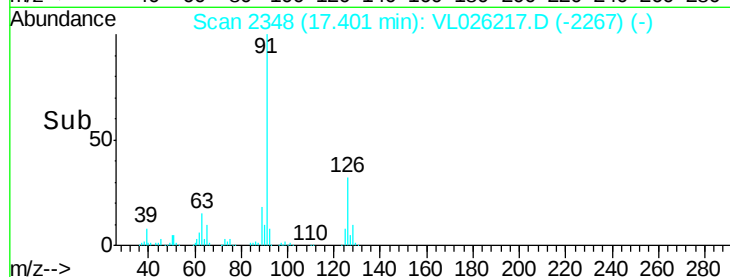
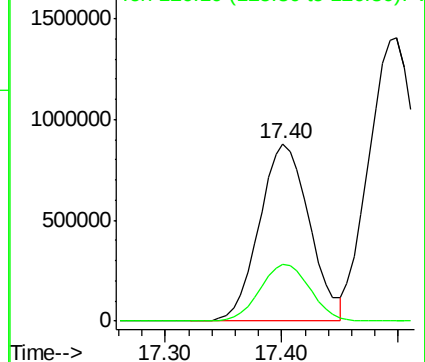
91 100

126 32.1 12.9 51.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.94 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion: 105 Resp: 3006647

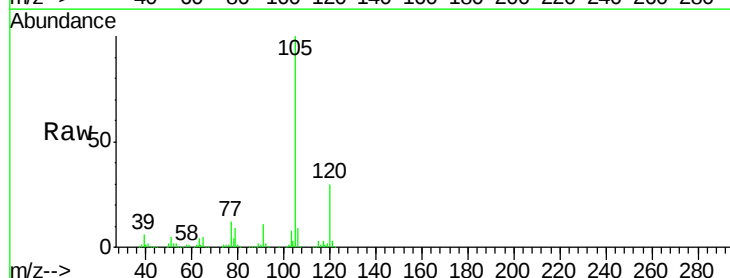
Ion Ratio Lower Upper

105 100

120 31.5 25.2 37.8

91 11.5 9.0 13.6

77 12.1 9.7 14.5

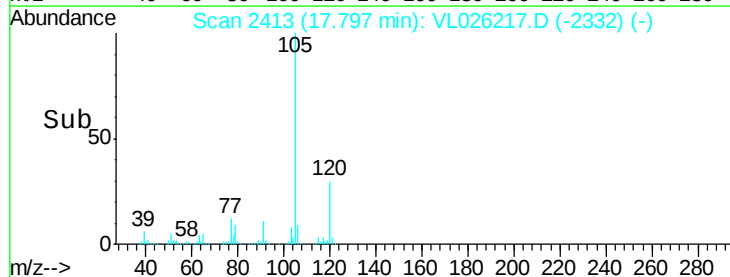
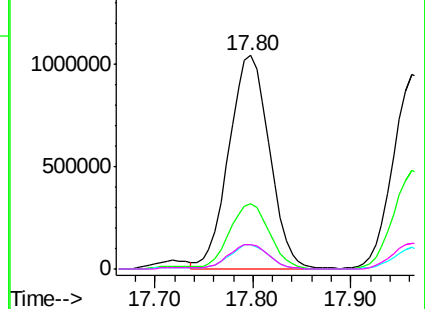


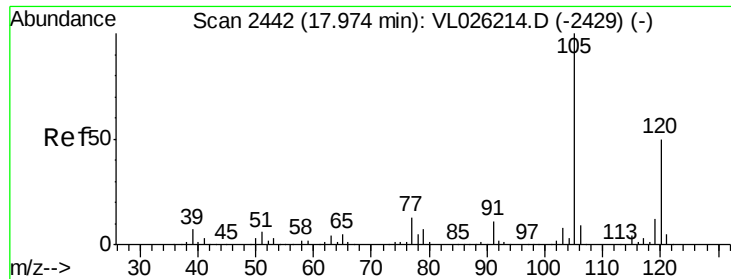
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.85 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

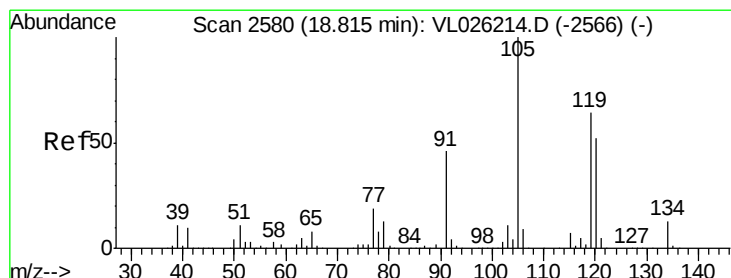
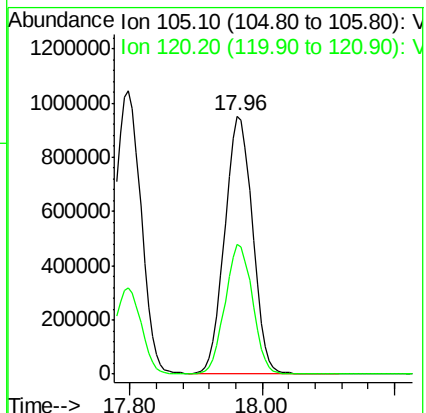
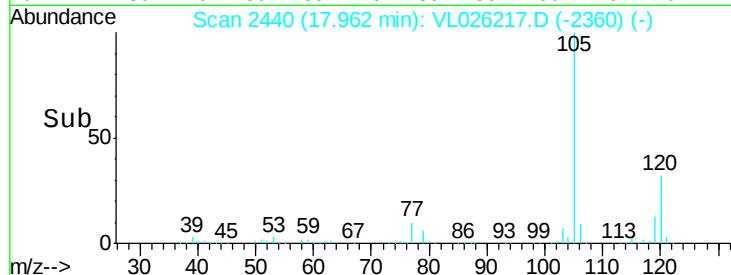
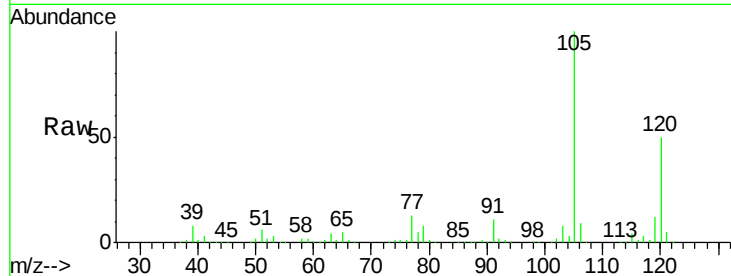
VL1020ABS01

Tot Ion:105 Resp: 2773522

Ion Ratio Lower Upper

105 100

120 50.3 39.8 59.6



#74

1,2,4-Trimethylbenzene

Concen: 7.38 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:105 Resp: 2701715

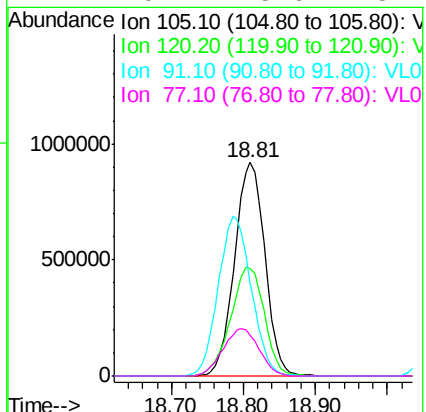
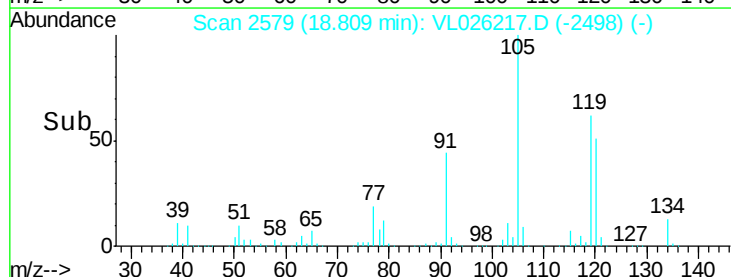
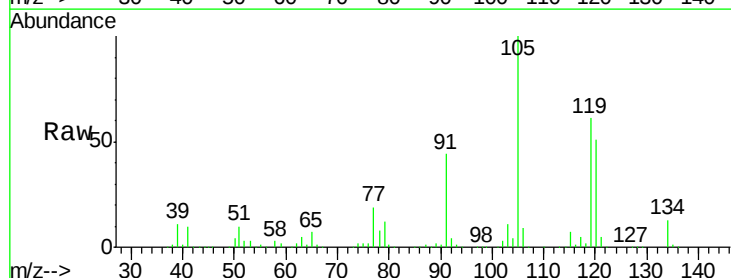
Ion Ratio Lower Upper

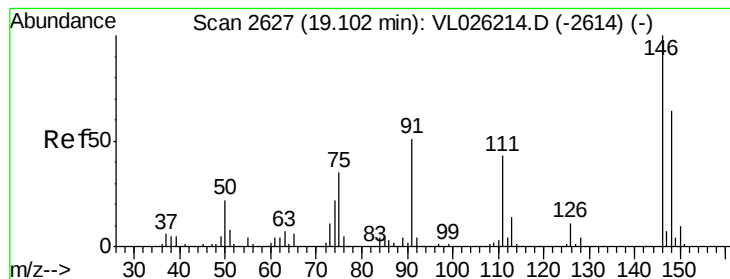
105 100

120 50.6 41.2 61.8

91 43.9 37.2 55.8

77 19.1 15.6 23.4





#75

1,3-Dichlorobenzene

Concen: 7.63 ppbv

RT: 19.10 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

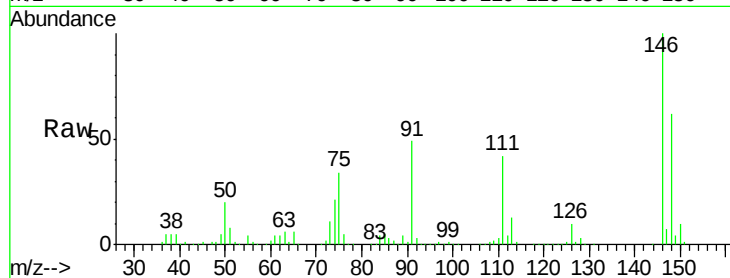
Tot Ion:146 Resp: 1824935

Ion Ratio Lower Upper

146 100

111 43.1 21.6 64.8

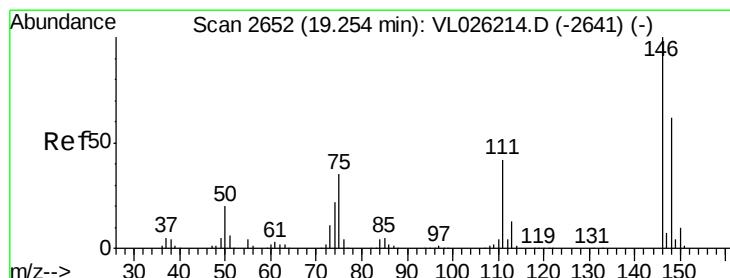
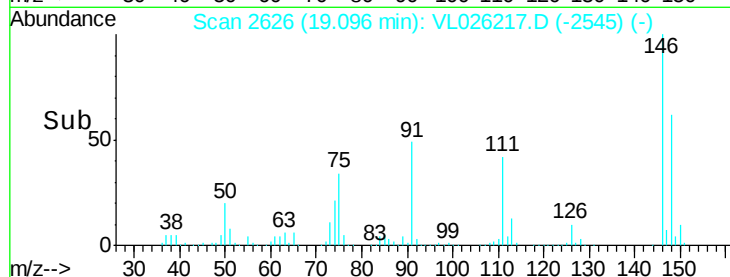
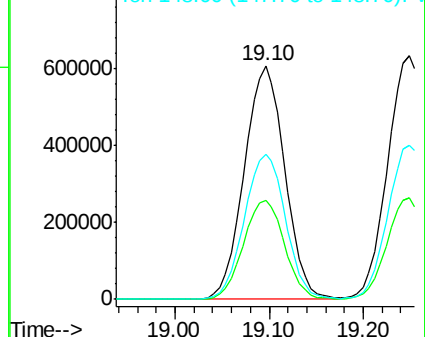
148 63.2 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.69 ppbv

RT: 19.25 min Scan# 2651

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

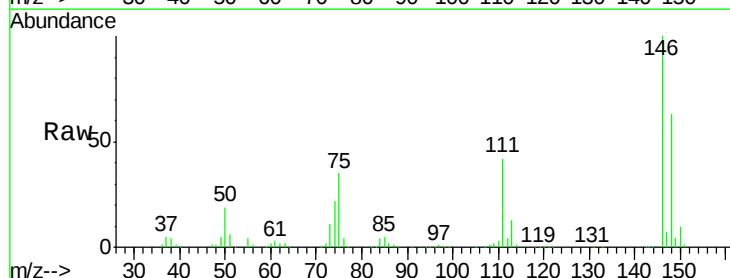
Tgt Ion:146 Resp: 1921276

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.2

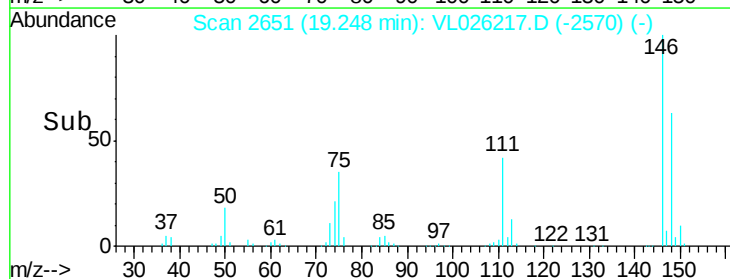
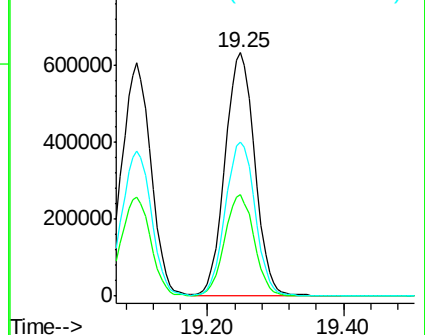
148 64.1 31.9 95.9

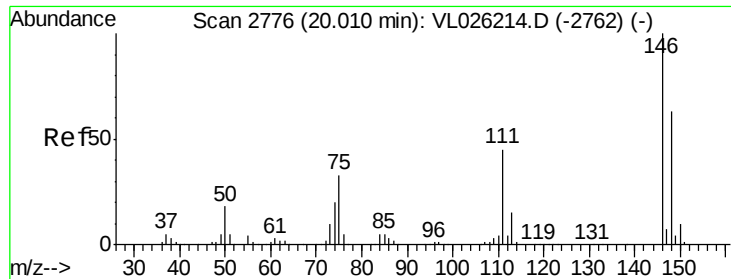


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.71 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

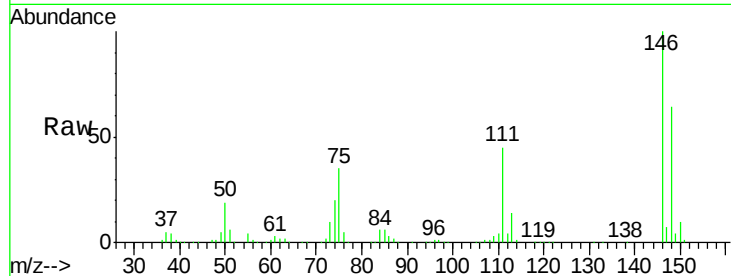
Tot Ion:146 Resp: 1859854

Ion Ratio Lower Upper

146 100

111 44.7 22.6 67.7

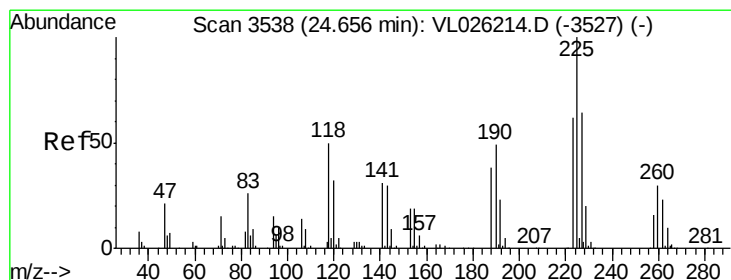
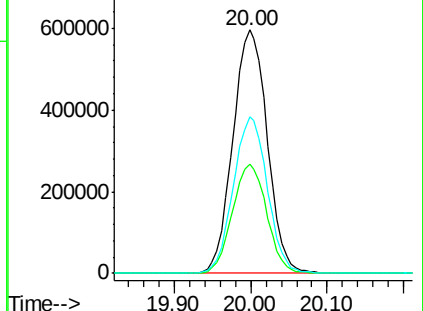
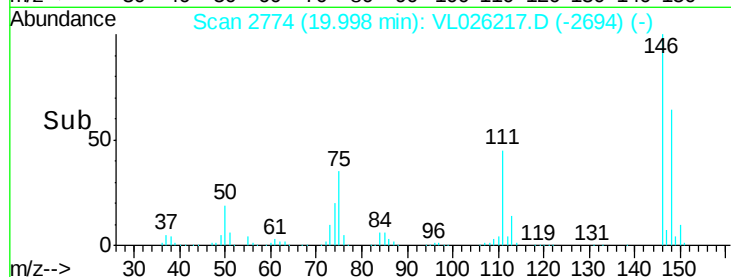
148 63.6 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.62 ppbv

RT: 24.65 min Scan# 3537

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

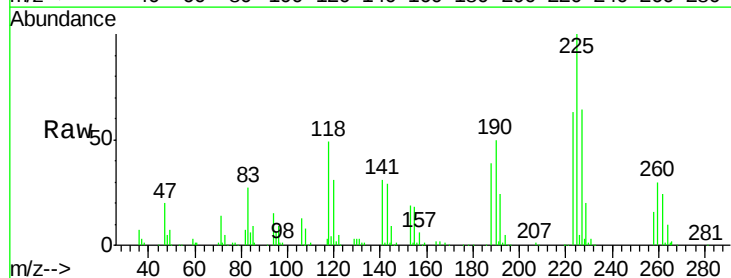
Tgt Ion:225 Resp: 819373

Ion Ratio Lower Upper

225 100

223 62.9 50.2 75.2

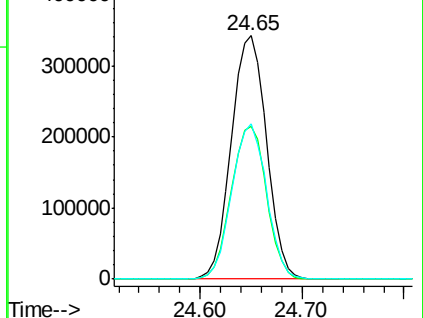
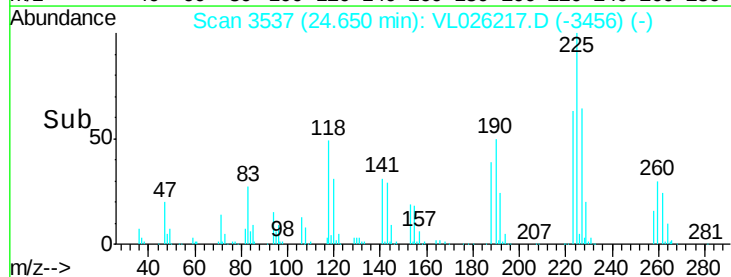
227 62.8 50.8 76.2

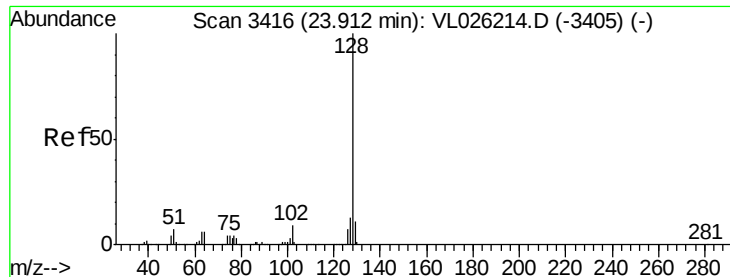


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.65 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

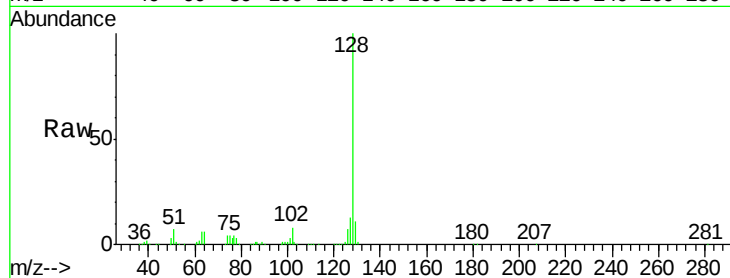
MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion:128 Resp: 2467709

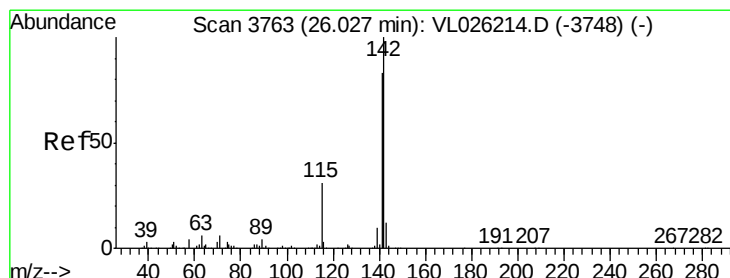
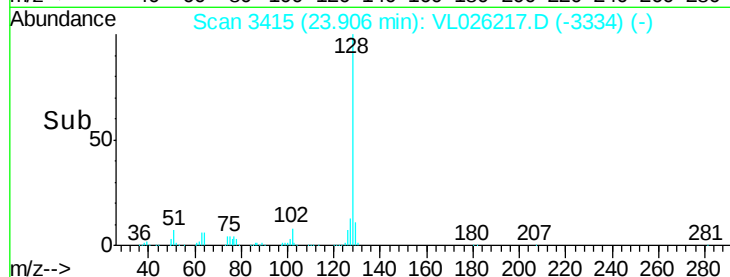
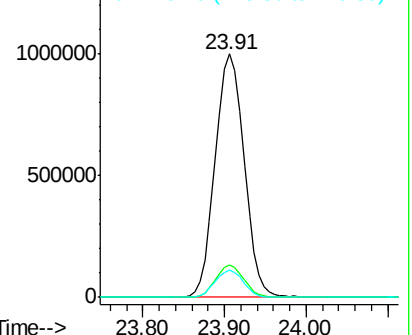
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.8	13.2



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: 7.83 ppbv

RT: 26.02 min Scan# 3761

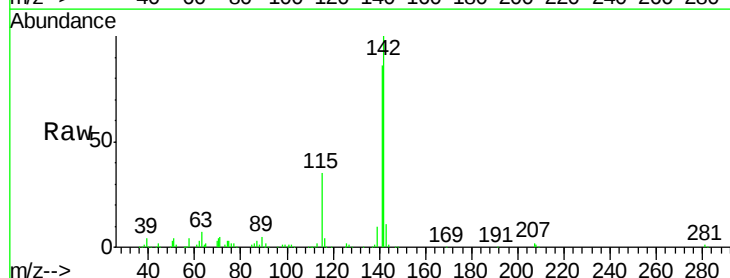
Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:142 Resp: 453755

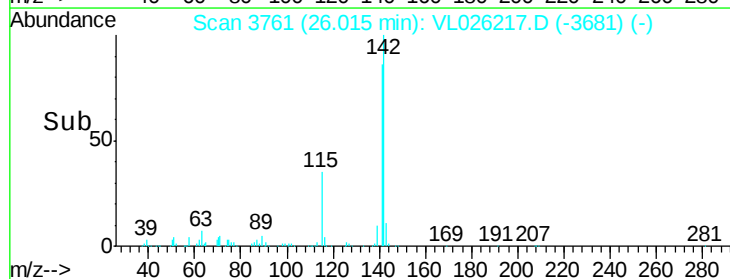
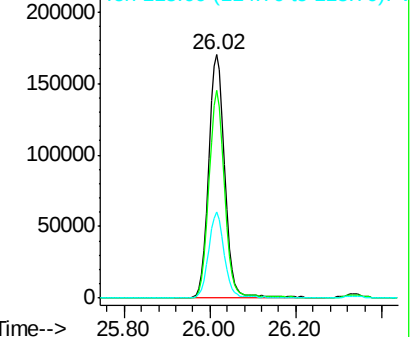
Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	35.1	24.2	36.4

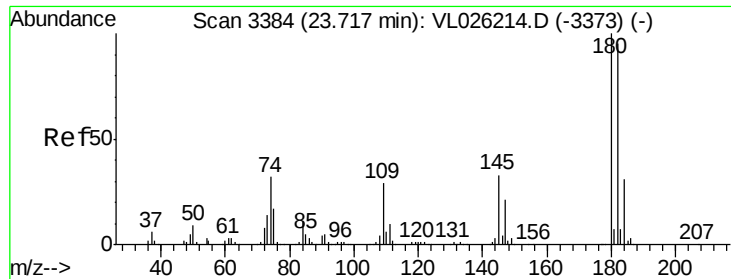


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

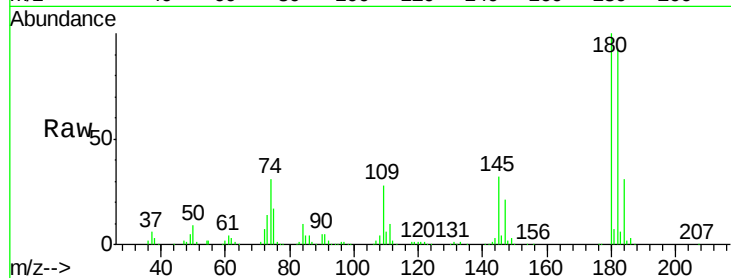




#81
 1,2,4-Trichlorobenzene
 Concen: 7.26 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion:180 Resp: 1127983
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 184 30.4 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

