

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026208.D
 Acq On : 20 Oct 2015 11:54
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 20 12:44:52 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	605044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	1809744	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	2163150	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	1680040	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.63	85	132817	1.10	ppbv	94
3) Chlorodifluoromethane	3.56	51	79874	1.11	ppbv	96
4) Chloromethane	3.74	50	41560	1.03	ppbv	100
5) Vinyl Chloride	3.87	62	43994	1.08	ppbv	92
6) Bromomethane	4.13	94	31969	1.08	ppbv	100
7) Chloroethane	4.22	64	18488	1.04	ppbv	98
8) Dichlorotetrafluoroethane	3.79	85	112040	1.10	ppbv	99
9) Propene	3.58	41	37233	1.14	ppbv	100
10) Heptane	9.32	43	124843	1.09	ppbv	100
11) Trichlorofluoromethane	4.67	101	124460	1.08	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	85685	1.10	ppbv	100
13) Ethanol	4.33	45	2985	0.57	ppbv #	37
14) Bromoethene	4.43	108	35554	1.10	ppbv	99
15) Acetone	4.60	43	96716	1.19	ppbv #	84
16) 1,3-Butadiene	3.95	39	40180	1.09	ppbv	98
17) tert-Butyl alcohol	5.15	59	54420	1.10	ppbv	100
18) 1,1-Dichloroethene	5.07	96	38328	1.08	ppbv	96
19) Isopropyl Alcohol	4.76	45	34307	1.05	ppbv #	39
20) Methylene Chloride	5.13	84	36293	1.06	ppbv	96
21) Allyl Chloride	5.21	41	57884	1.09	ppbv	90
22) trans-1,2-Dichloroethene	5.74	96	49656	1.10	ppbv	94
23) Vinyl Acetate	5.96	43	168087	1.16	ppbv	98
24) 1,1-Dichloroethane	5.88	63	105770	1.10	ppbv	98
25) Ethyl Acetate	6.66	43	172961	1.12	ppbv	100
26) Hexane	6.63	57	86159	1.14	ppbv	95
27) Carbon Disulfide	5.37	76	105984	1.15	ppbv	96
28) Methyl tert-Butyl Ether	5.95	73	155296	1.25	ppbv	99
29) Chloroform	6.72	83	122729	1.11	ppbv	96
30) Cyclohexane	8.26	84	85094	1.18	ppbv #	81
31) cis-1,2-Dichloroethene	6.49	61	75011	1.10	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	130661	1.22	ppbv	100
34) 2-Butanone	6.19	43	105688	1.06	ppbv	100
35) Carbon Tetrachloride	8.13	117	134887	1.16	ppbv	99
36) Benzene	7.99	78	193432	1.11	ppbv	99
37) 1,2-Dichloroethane	7.34	62	96054	1.04	ppbv	99
38) Trichloroethene	9.04	130	85058	1.06	ppbv	99
39) 1,2-Dichloropropane	8.79	63	67453	1.05	ppbv	100
40) 1,4-Dioxane	9.15	88	10527	0.88	ppbv #	1
41) Tetrahydrofuran	7.12	42	60649	1.08	ppbv	98
42) Bromodichloromethane	8.99	83	140683	1.14	ppbv	98
43) Methyl Methacrylate	9.24	69	68514	1.12	ppbv	97

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
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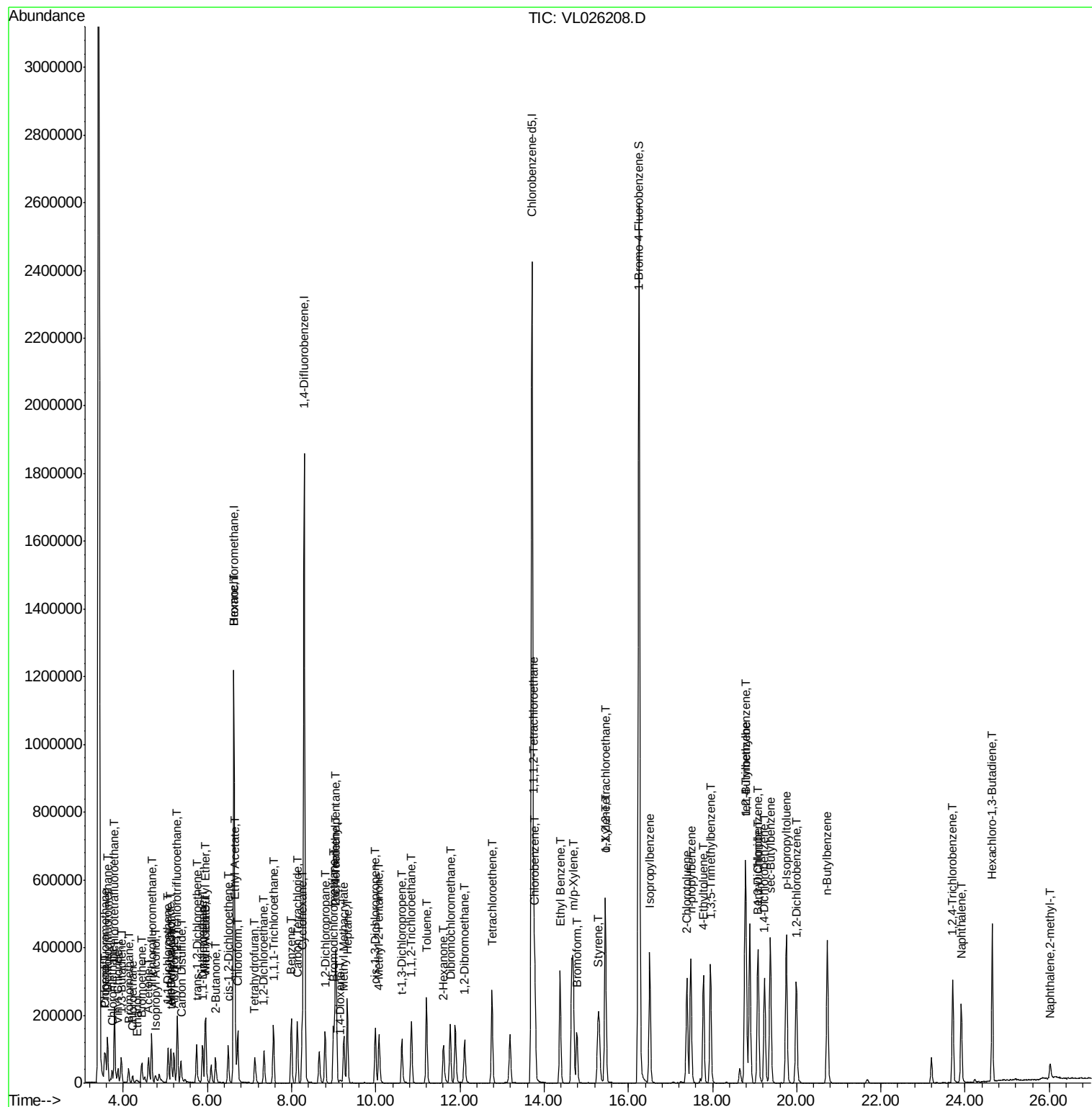
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	323013	1.12	ppbv	98
45) t-1,3-Dichloropropene	10.62	75	103346	1.21	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	124861	1.20	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	83991	1.08	ppbv	97
48) Dibromochloromethane	11.77	129	133892	1.20	ppbv	99
49) Bromoform	14.77	173	110347	1.29	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	141614	1.07	ppbv	99
51) 2-Hexanone	11.61	43	125533	1.06	ppbv #	99
52) Tetrachloroethene	12.76	164	94117	1.09	ppbv	95
53) Toluene	11.21	91	261938	1.17	ppbv	99
54) 1,2-Dibromoethane	12.11	107	128815	1.11	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.75	131	105109	1.20	ppbv #	1
57) Chlorobenzene	13.78	112	226758	1.15	ppbv	99
58) Ethyl Benzene	14.38	91	380479	1.20	ppbv	99
59) m/p-Xylene	14.69	91	348196	1.37	ppbv #	47
60) o-Xylene	15.46	91	318916	1.20	ppbv	99
61) Styrene	15.28	104	133977	1.22	ppbv	99
62) Isopropylbenzene	16.50	105	435658	1.23	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.44	83	199445	1.01	ppbv	100
64) n-propylbenzene	17.49	120	117666	1.23	ppbv	91
65) tert-Butylbenzene	18.78	119	407335	1.30	ppbv	98
66) Benzyl Chloride	19.07	91	157119	1.60	ppbv	99
67) sec-Butylbenzene	19.38	105	558780	1.28	ppbv	100
69) p-Isopropyltoluene	19.75	119	466587	1.33	ppbv	98
70) n-Butylbenzene	20.72	91	423055	1.27	ppbv	99
71) 2-Chlorotoluene	17.39	91	317534	1.23	ppbv	100
72) 4-Ethyltoluene	17.79	105	360744	1.26	ppbv	99
73) 1,3,5-Trimethylbenzene	17.95	105	337270	1.25	ppbv	99
74) 1,2,4-Trimethylbenzene	18.79	105	360857	1.28	ppbv #	92
75) 1,3-Dichlorobenzene	19.08	146	234074	1.29	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	235613	1.28	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	231612	1.30	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	125093	1.95	ppbv	99
79) Naphthalene	23.91	128	301804	1.91	ppbv	97
80) Naphthalene,2-methyl-	26.02	142	43312	0.90	ppbv #	95
81) 1,2,4-Trichlorobenzene	23.71	180	150861	1.90	ppbv	99

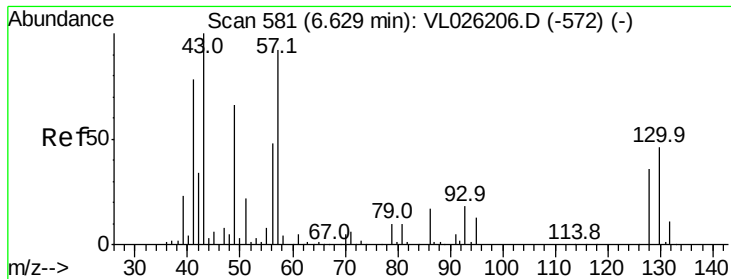
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

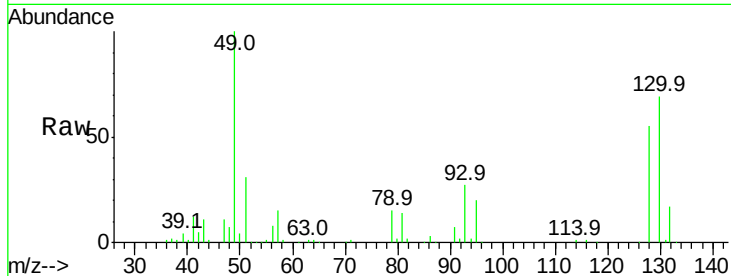
Tgt Ion: 49 Resp: 605044

Ion Ratio Lower Upper

49 100

128 57.3 28.1 84.3

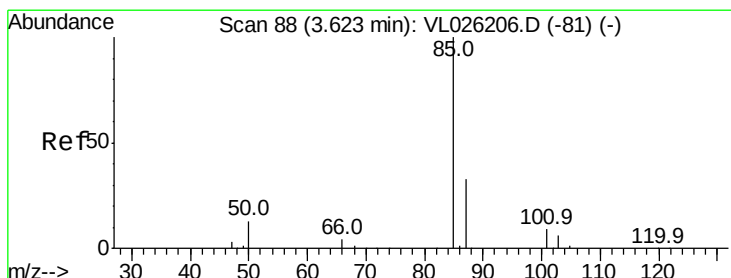
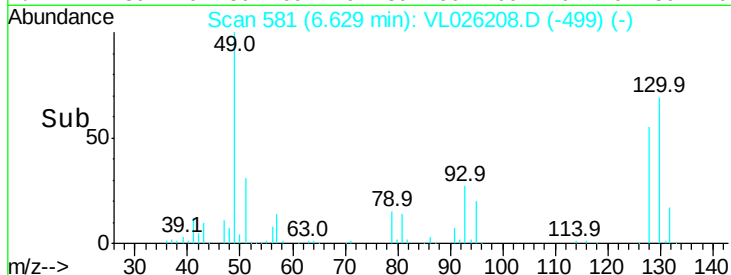
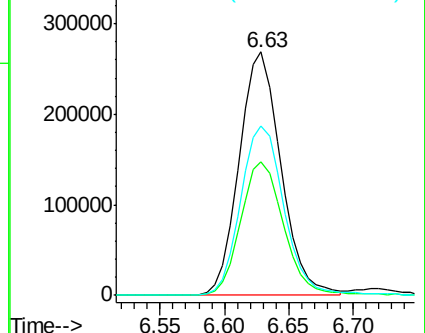
130 73.4 36.2 108.6



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: 1.10 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026208.D

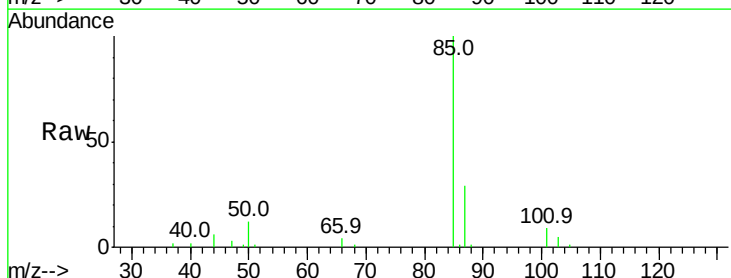
Acq: 20 Oct 2015 11:54

Tgt Ion: 85 Resp: 132817

Ion Ratio Lower Upper

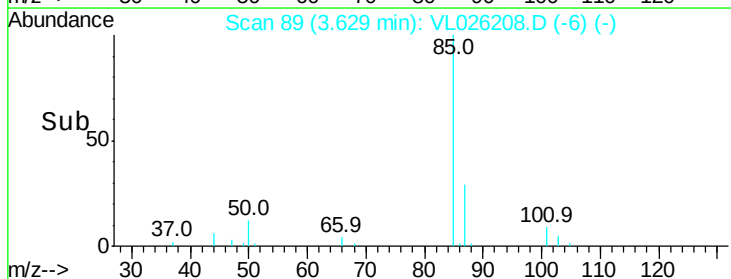
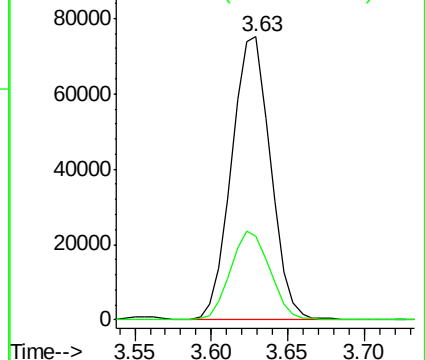
85 100

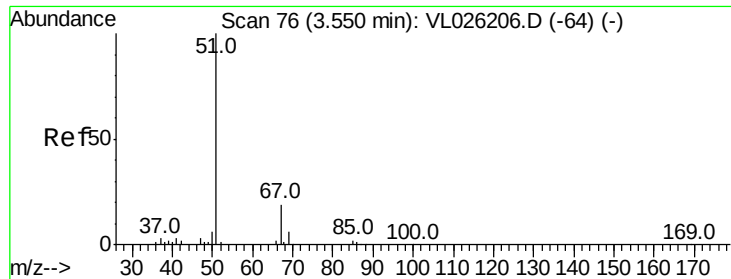
87 29.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.11 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

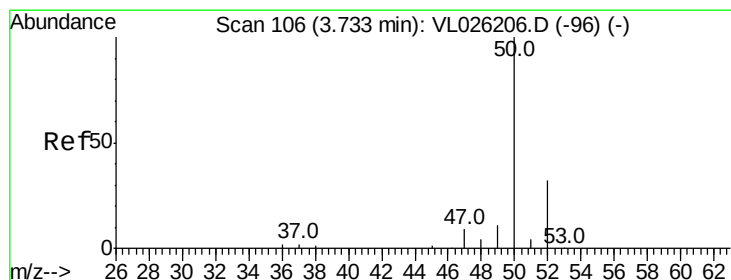
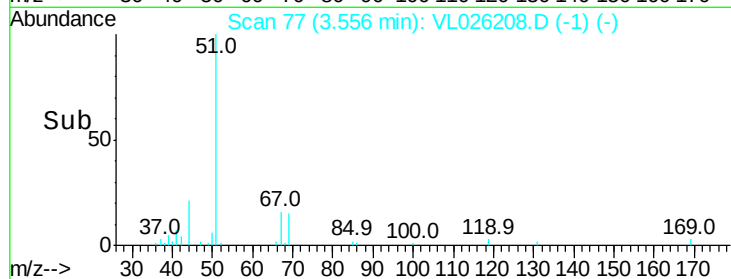
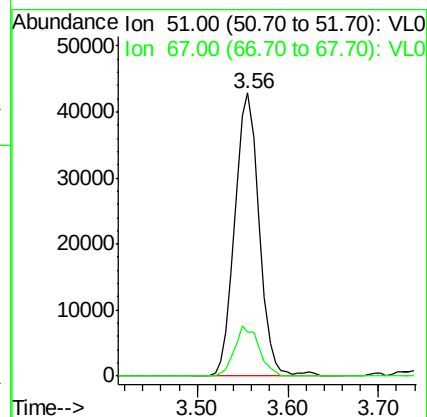
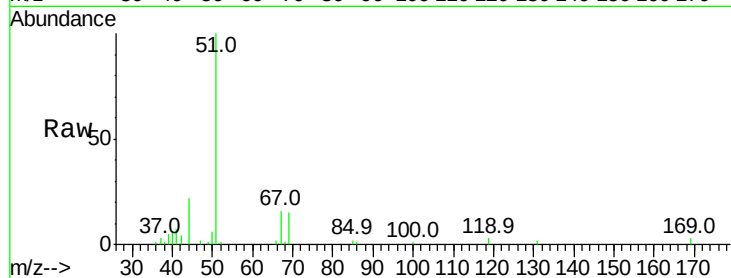
VSTDIC001

Tgt Ion: 51 Resp: 79874

Ion Ratio Lower Upper

51 100

67 17.7 15.6 23.4



#4

Chloromethane

Concen: 1.03 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL026208.D

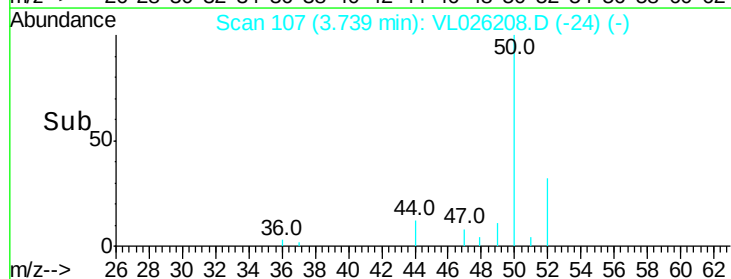
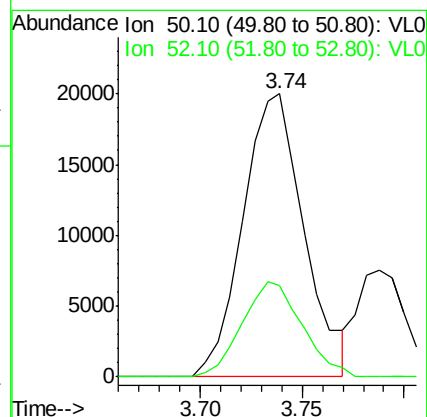
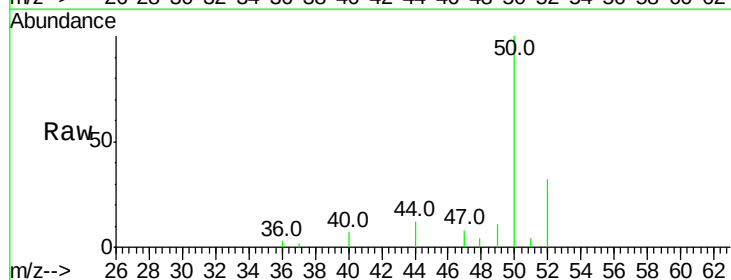
Acq: 20 Oct 2015 11:54

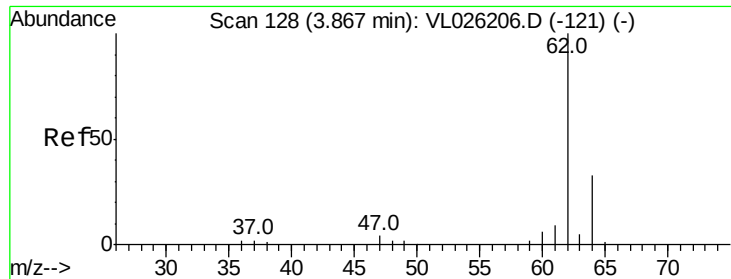
Tgt Ion: 50 Resp: 41560

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6





#5

Vinyl Chloride

Concen: 1.08 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

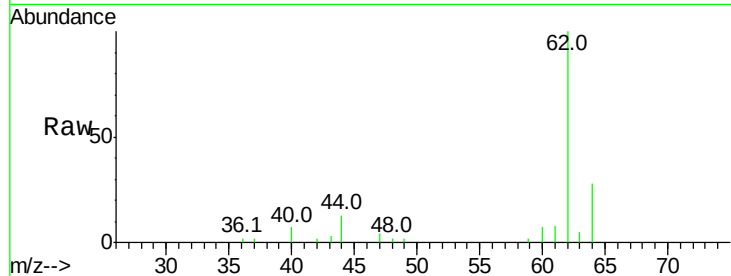
VSTDIC001

Tgt Ion: 62 Resp: 43994

Ion Ratio Lower Upper

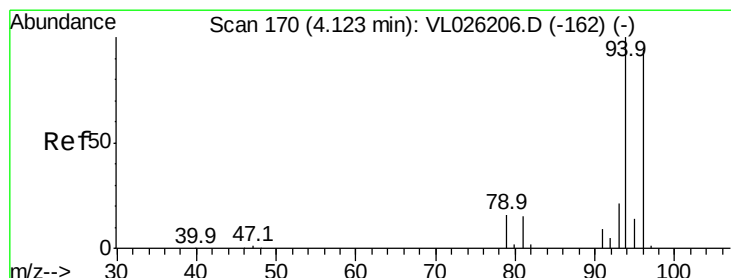
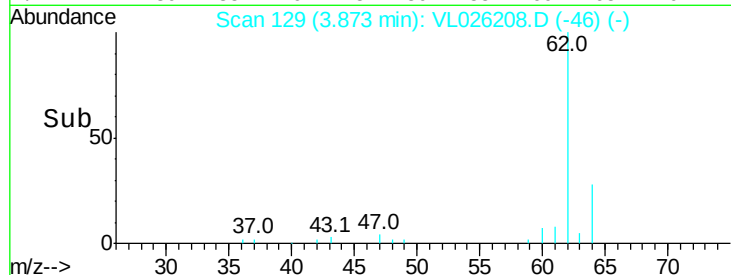
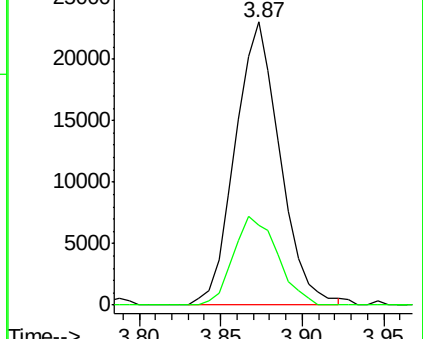
62 100

64 28.1 26.3 39.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.08 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL026208.D

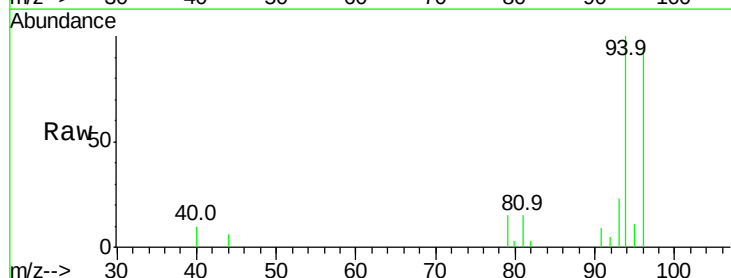
Acq: 20 Oct 2015 11:54

Tgt Ion: 94 Resp: 31969

Ion Ratio Lower Upper

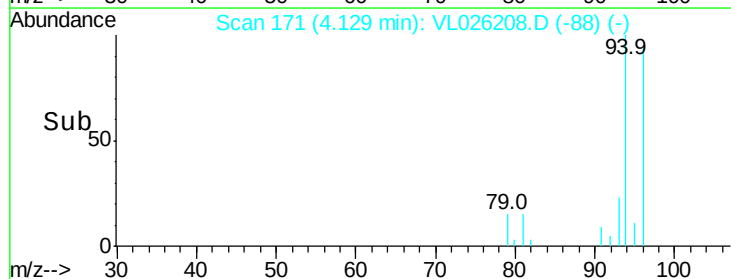
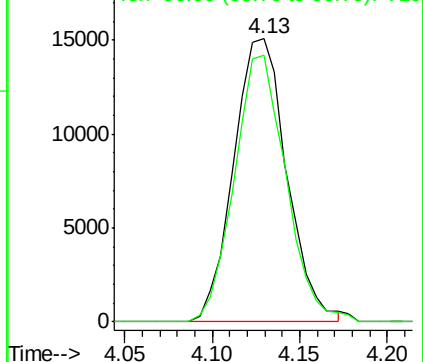
94 100

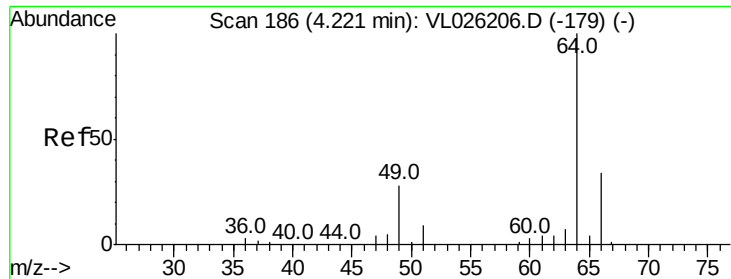
96 94.0 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.04 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.00 min

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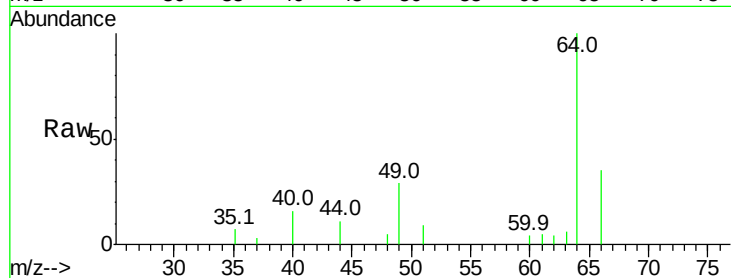
VSTDIC001

Tgt Ion: 64 Resp: 18488

Ion Ratio Lower Upper

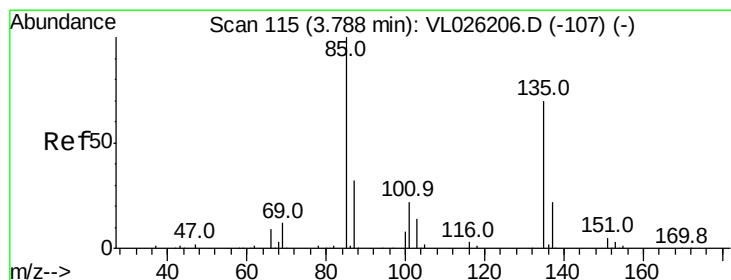
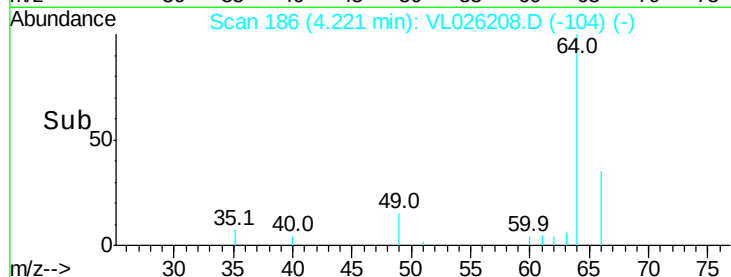
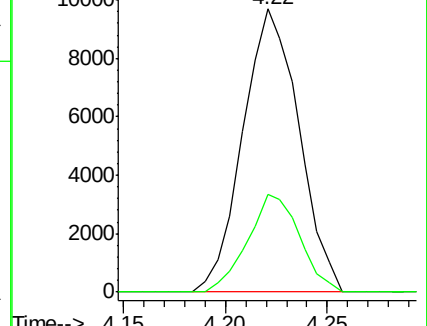
64 100

66 34.7 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.10 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL026208.D

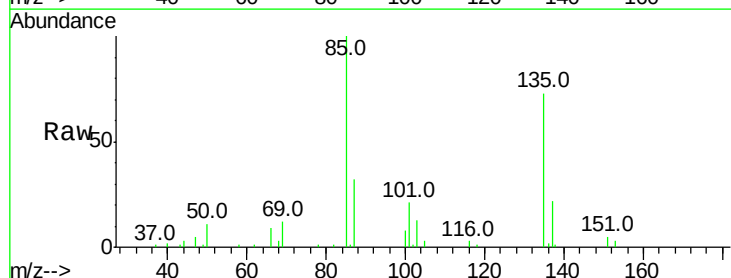
Acq: 20 Oct 2015 11:54

Tgt Ion: 85 Resp: 112040

Ion Ratio Lower Upper

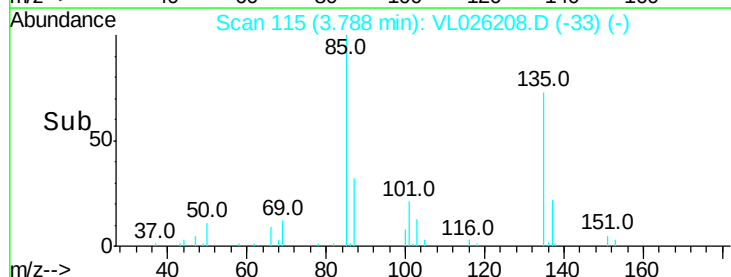
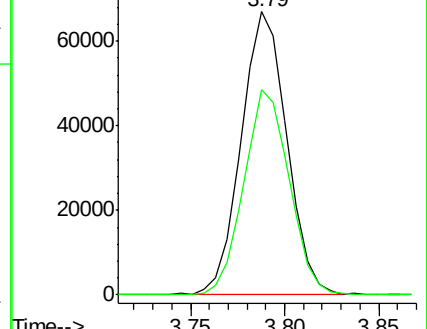
85 100

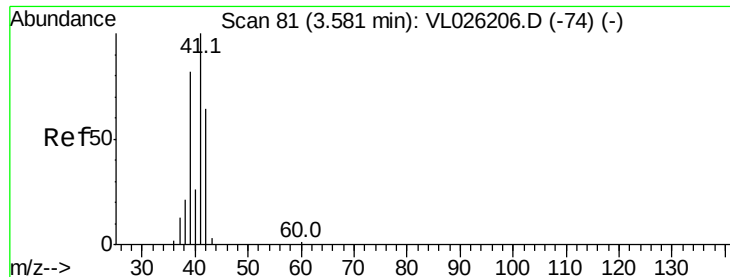
135 72.4 57.5 86.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.14 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

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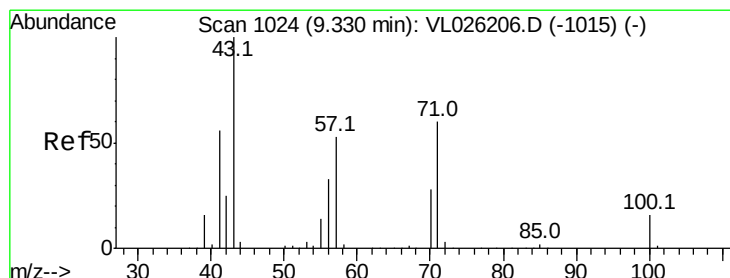
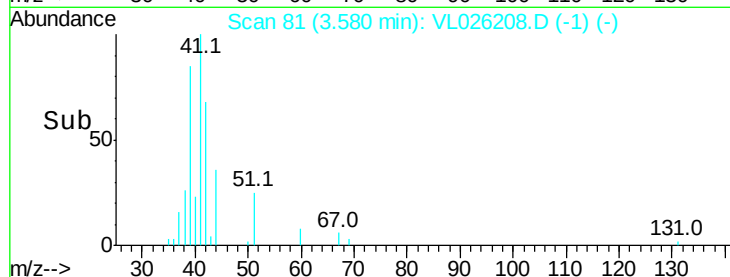
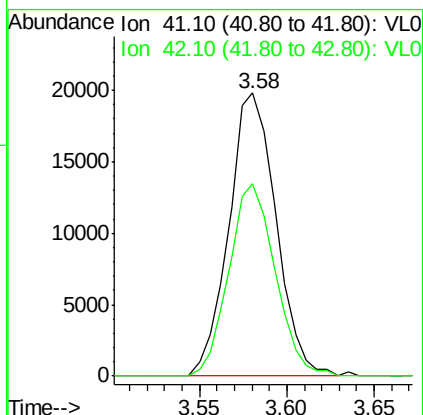
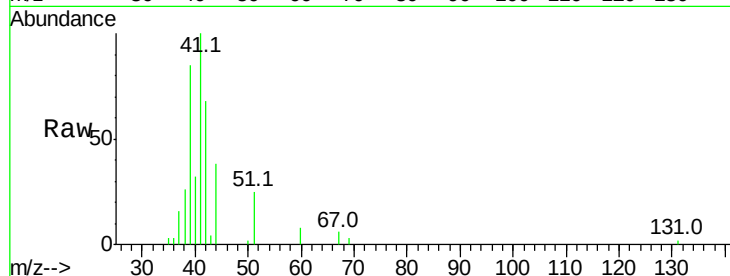
VSTDIC001

Tgt Ion: 41 Resp: 37233

Ion Ratio Lower Upper

41 100

42 66.5 53.1 79.7



#10

Heptane

Concen: 1.09 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026208.D

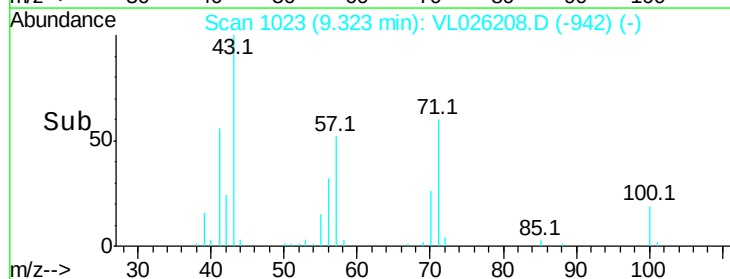
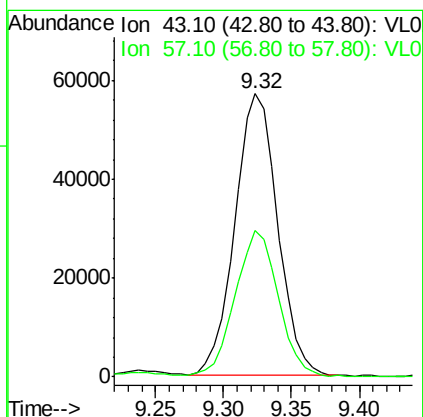
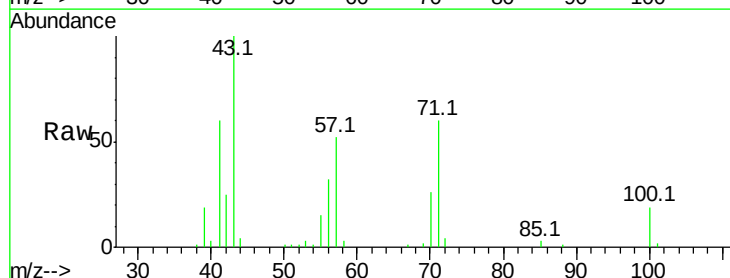
Acq: 20 Oct 2015 11:54

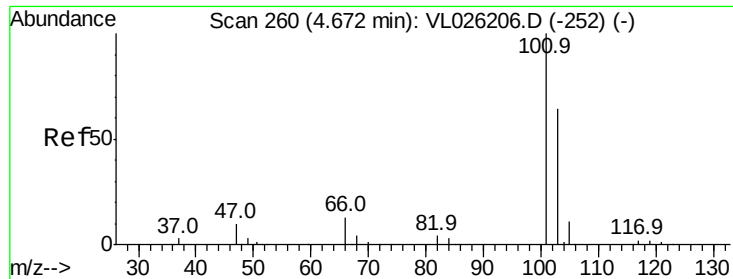
Tgt Ion: 43 Resp: 124843

Ion Ratio Lower Upper

43 100

57 54.5 43.5 65.3





#11

Trichlorofluoromethane

Concen: 1.08 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.00 min

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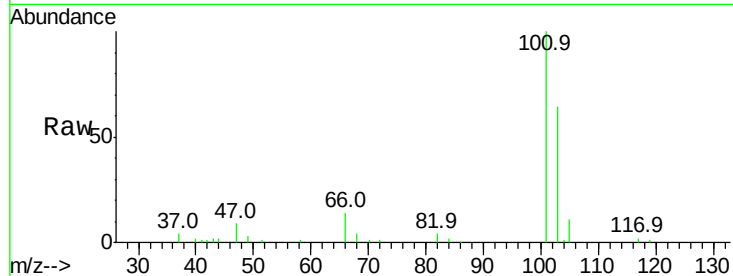
VSTDIC001

Tgt Ion:101 Resp: 124460

Ion Ratio Lower Upper

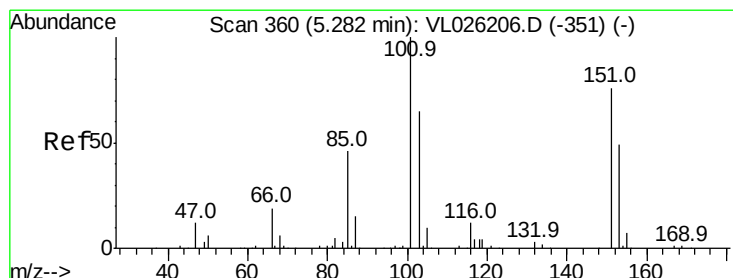
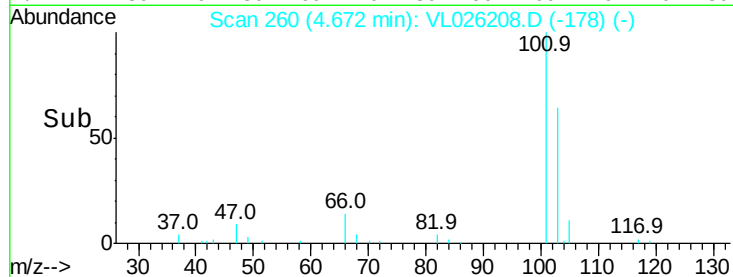
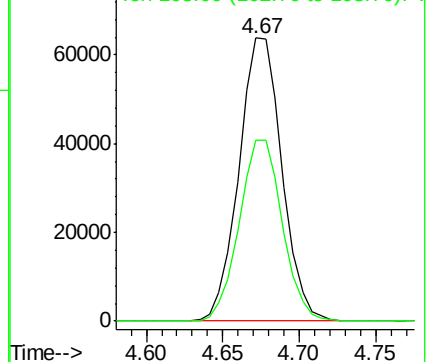
101 100

103 63.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.10 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL026208.D

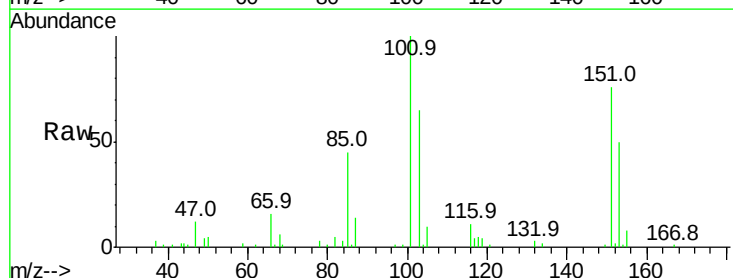
Acq: 20 Oct 2015 11:54

Tgt Ion:101 Resp: 85685

Ion Ratio Lower Upper

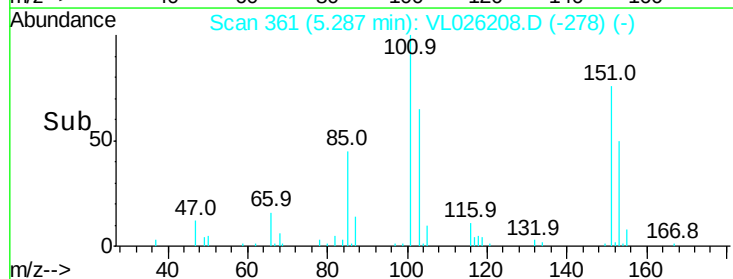
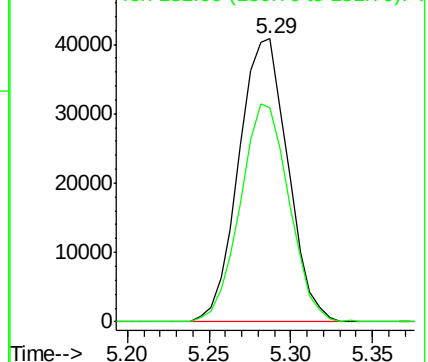
101 100

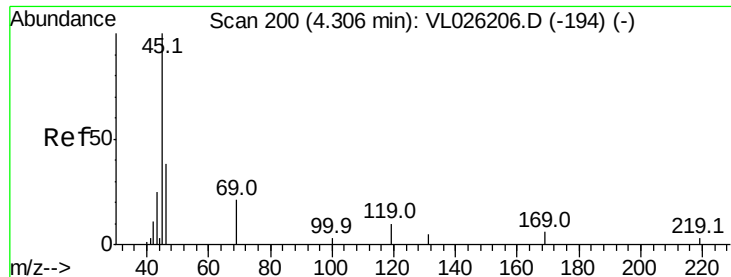
151 76.4 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.57 ppbv

RT: 4.33 min Scan# 204

Delta R.T. 0.02 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

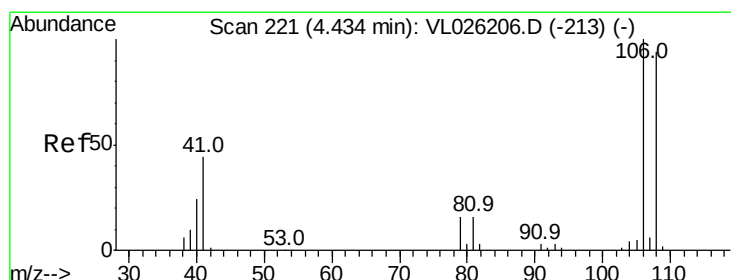
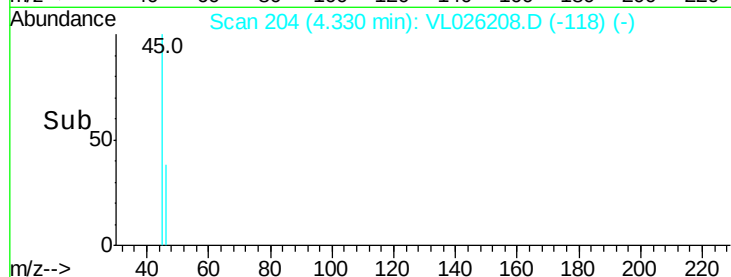
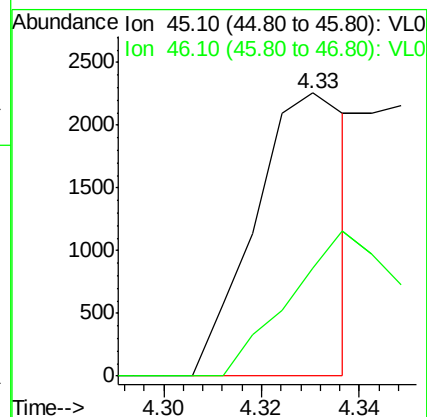
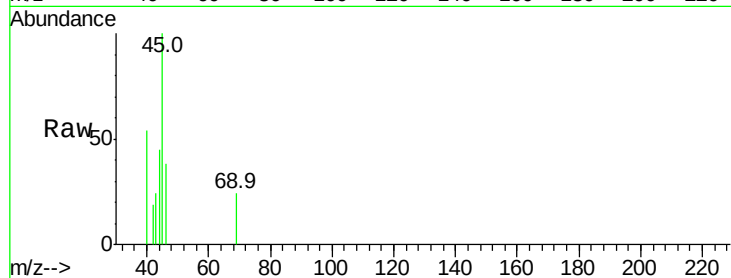
VSTDIC001

Tgt Ion: 45 Resp: 2985

Ion Ratio Lower Upper

45 100

46 79.2 16.1 64.3#



#14

Bromoethene

Concen: 1.10 ppbv

RT: 4.43 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

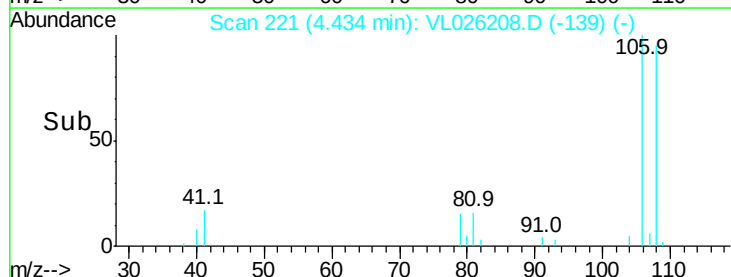
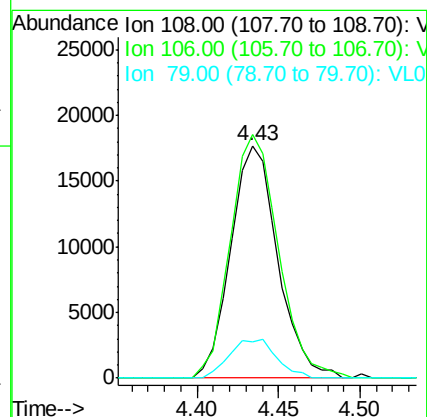
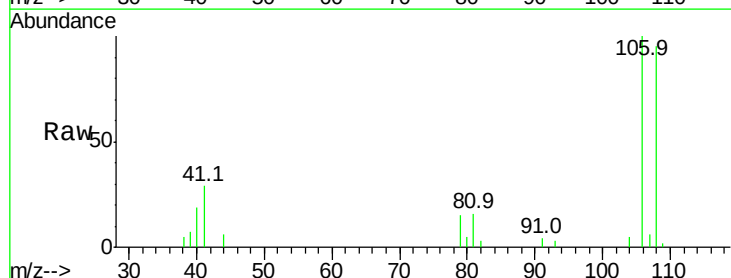
Tgt Ion: 108 Resp: 35554

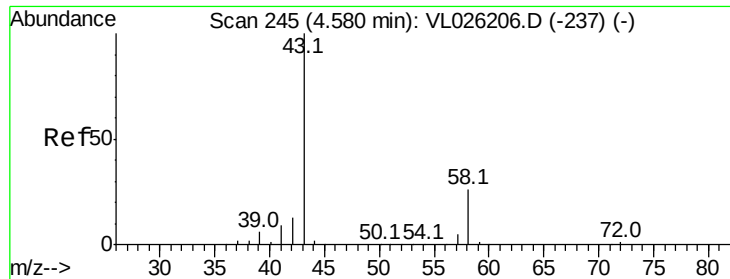
Ion Ratio Lower Upper

108 100

106 107.5 85.3 127.9

79 16.9 13.4 20.0





#15

Acetone

Concen: 1.19 ppbv

RT: 4.60 min Scan# 248

Delta R.T. 0.02 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

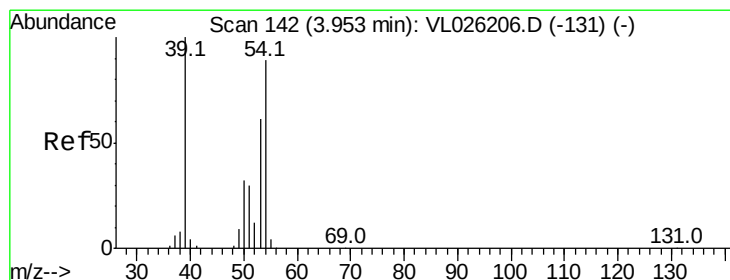
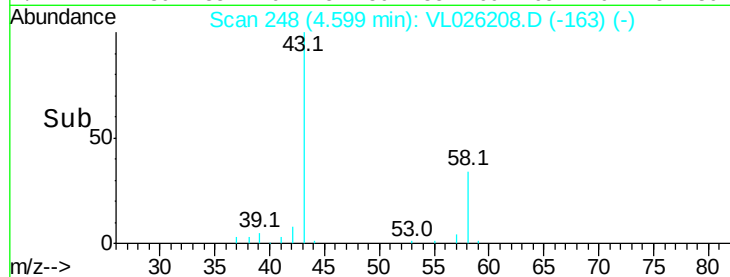
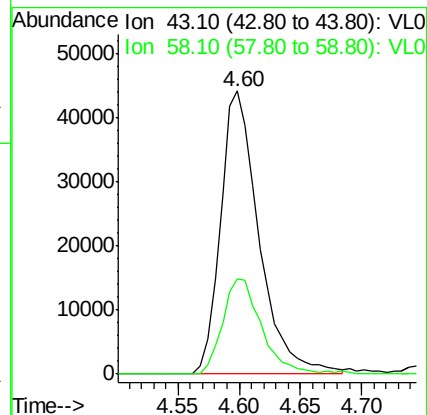
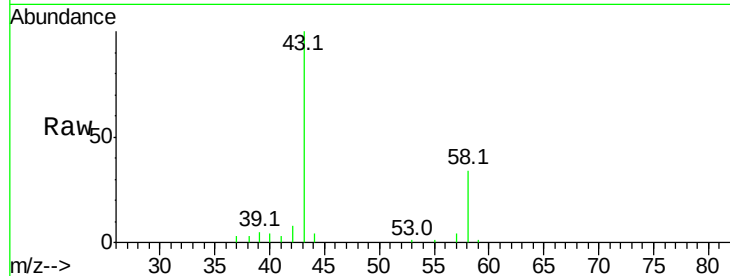
VSTDIC001

Tgt Ion: 43 Resp: 96716

Ion Ratio Lower Upper

43 100

58 34.2 21.0 31.4#



#16

1,3-Butadiene

Concen: 1.09 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL026208.D

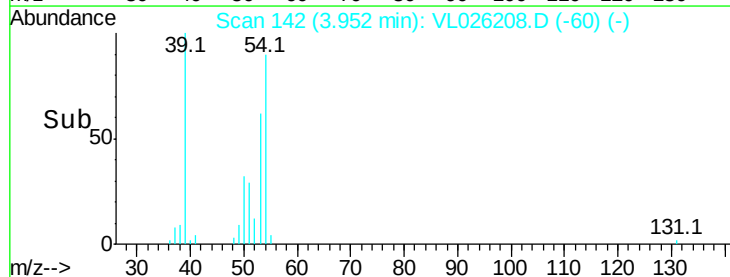
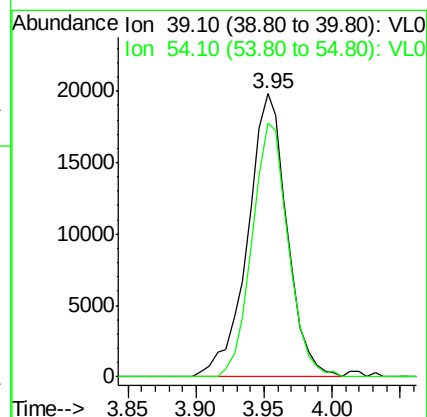
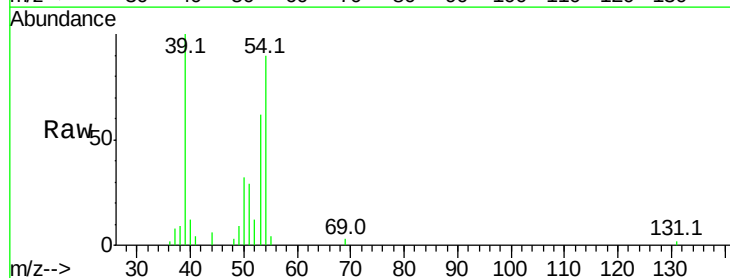
Acq: 20 Oct 2015 11:54

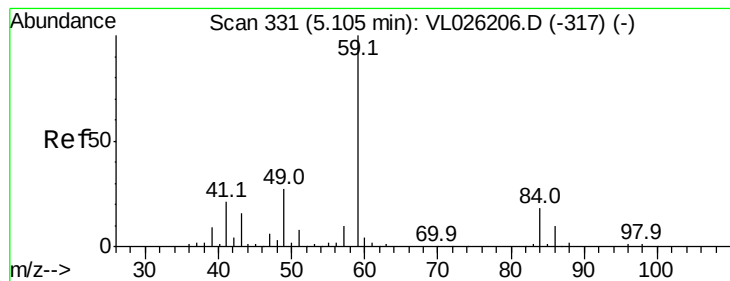
Tgt Ion: 39 Resp: 40180

Ion Ratio Lower Upper

39 100

54 82.4 67.3 100.9





#17

tert-Butyl alcohol

Concen: 1.10 ppbv

RT: 5.15 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

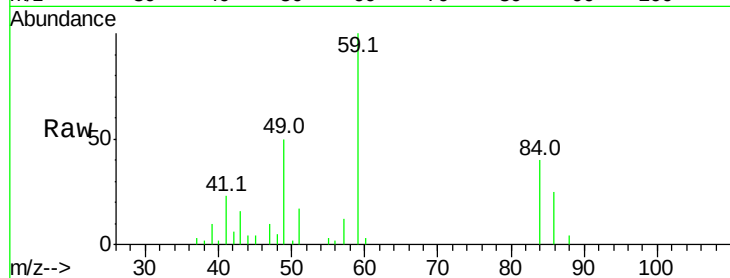
VSTDIC001

Tgt Ion: 59 Resp: 54420

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.15

20000

15000

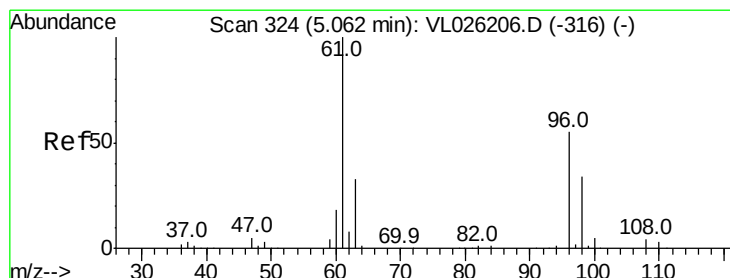
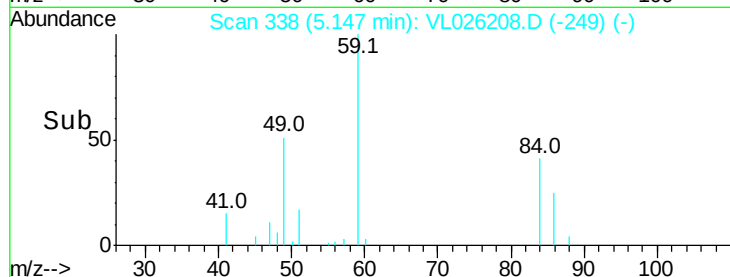
10000

5000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#18

1,1-Dichloroethene

Concen: 1.08 ppbv

RT: 5.07 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

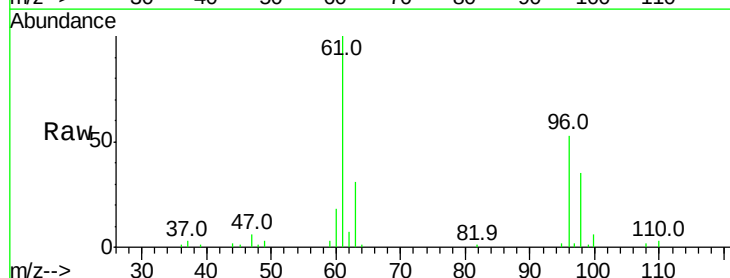
Tgt Ion: 96 Resp: 38328

Ion Ratio Lower Upper

96 100

61 188.0 146.6 219.8

98 66.2 50.5 75.7



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

50000

40000

30000

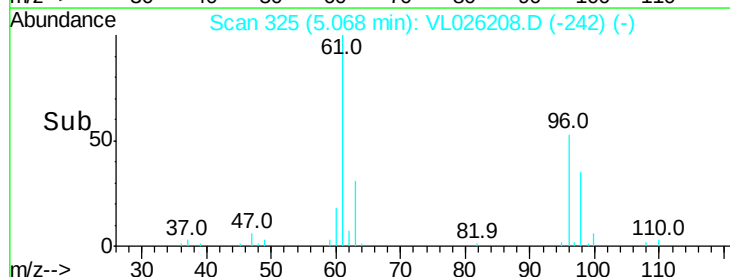
20000

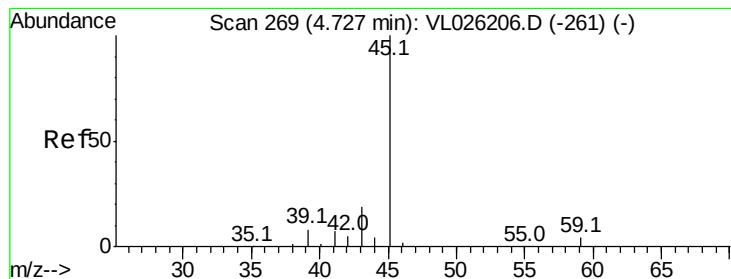
10000

0

Time-->

5.00 5.05 5.10





#19

Isopropyl Alcohol

Concen: 1.05 ppbv

RT: 4.76 min Scan# 274

Delta R.T. 0.03 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

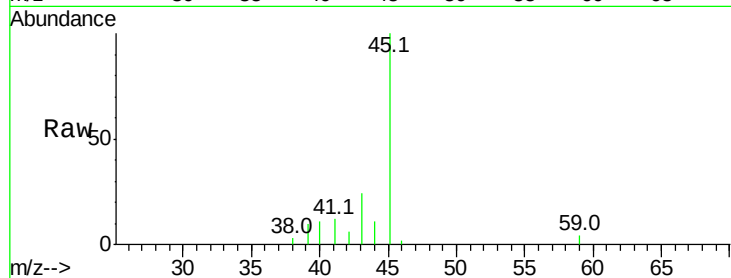
VSTDIC001

Tgt Ion: 45 Resp: 34307

Ion Ratio Lower Upper

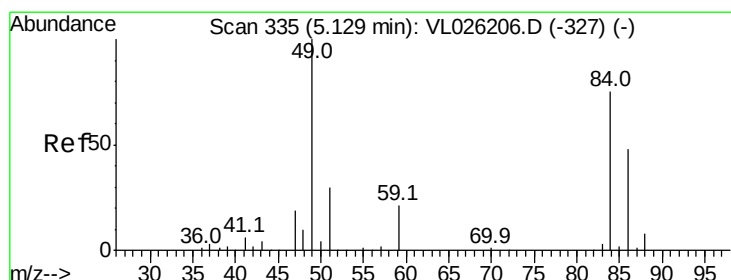
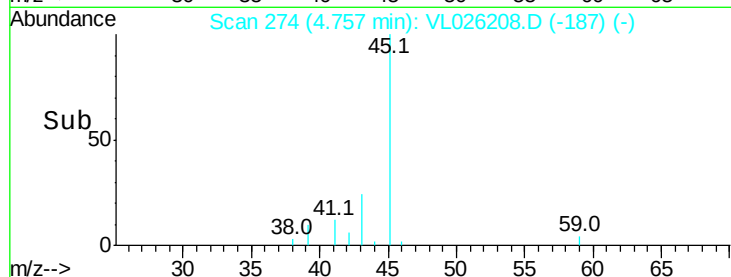
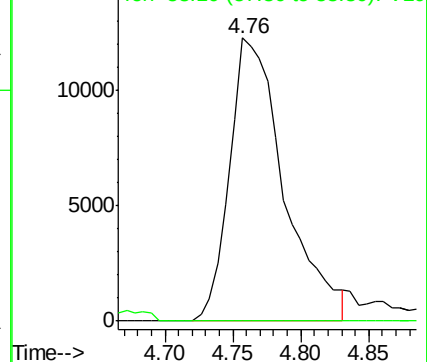
45 100

58 96.3 42.4 63.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.06 ppbv

RT: 5.13 min Scan# 335

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion: 84 Resp: 36293

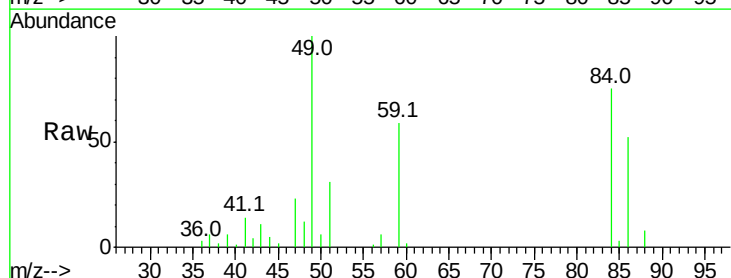
Ion Ratio Lower Upper

84 100

49 130.6 107.9 161.9

51 41.0 32.4 48.6

86 69.5 51.2 76.8

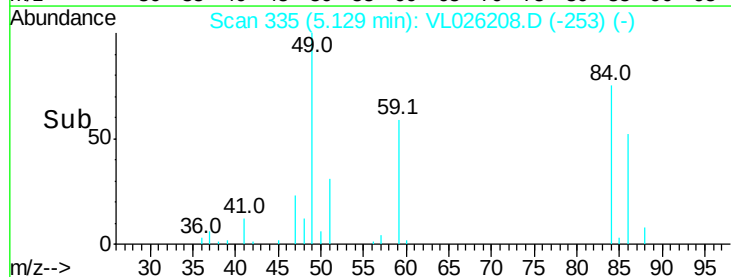
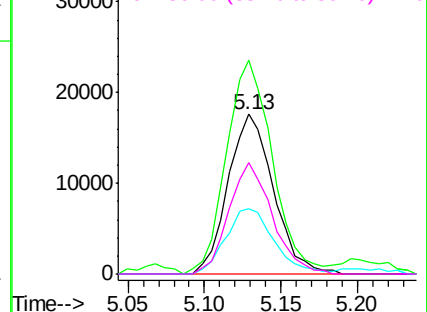


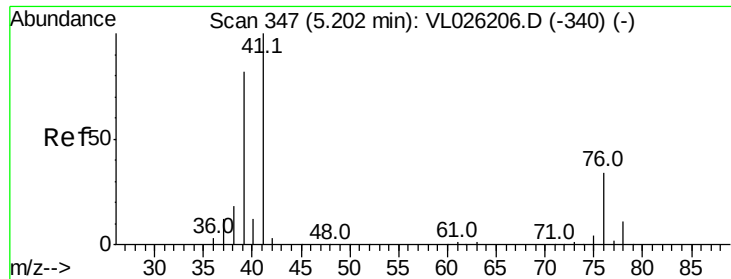
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

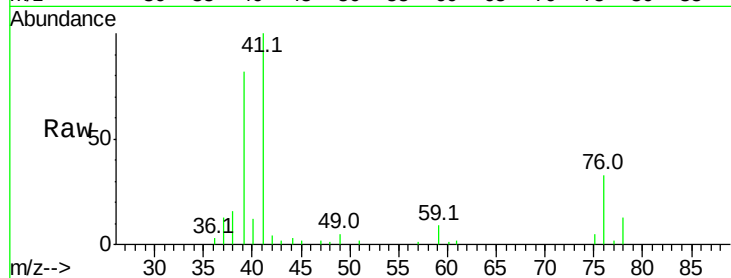




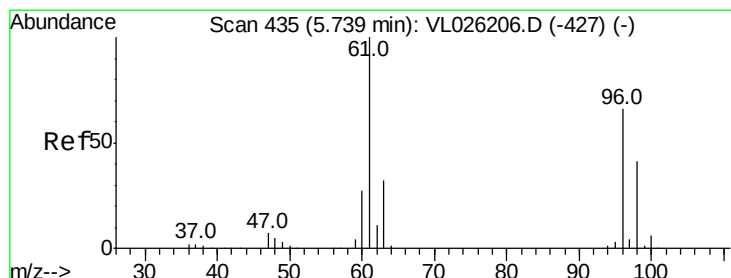
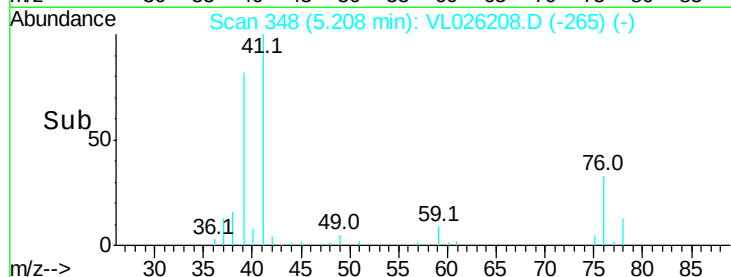
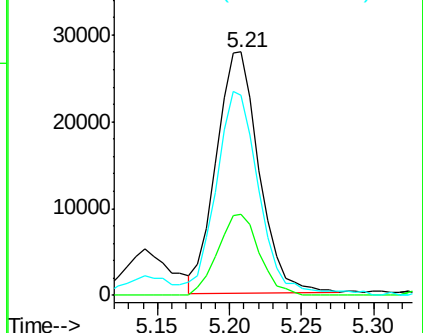
#21
 Allyl Chloride
 Concen: 1.09 ppbv
 RT: 5.21 min Scan# 348
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 57884
 Ion Ratio Lower Upper
 41 100
 76 32.4 26.2 39.4
 39 94.8 65.6 98.4

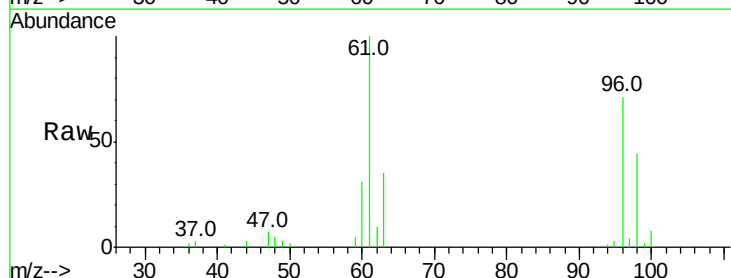


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

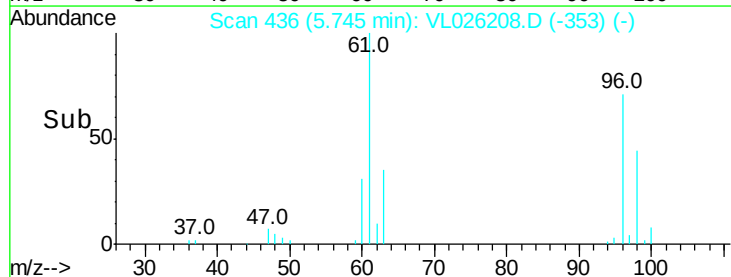
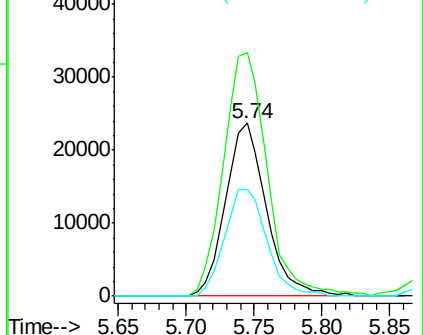


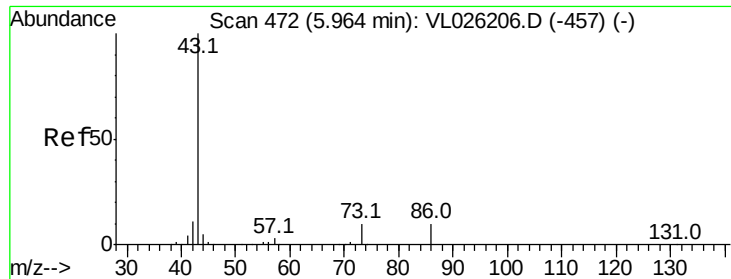
#22
 trans-1,2-Dichloroethene
 Concen: 1.10 ppbv
 RT: 5.74 min Scan# 436
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 96 Resp: 49656
 Ion Ratio Lower Upper
 96 100
 61 140.6 121.3 181.9
 98 61.8 49.8 74.8



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: 1.16 ppbv

RT: 5.96 min Scan# 472

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 168087

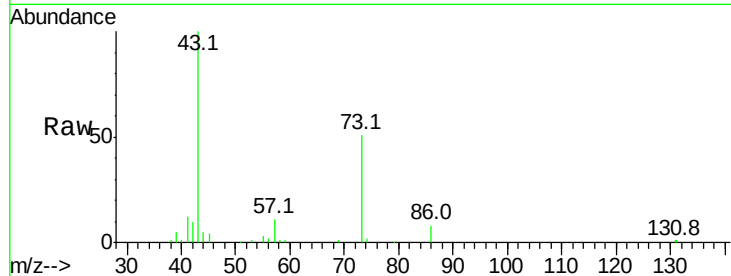
Ion Ratio Lower Upper

43 100

86 8.1 7.8 11.6

42 9.9 8.4 12.6

44 4.5 3.7 5.5

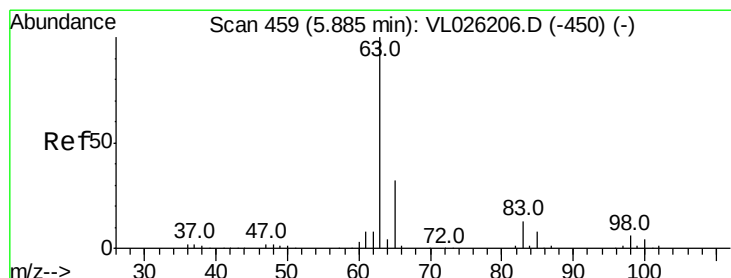
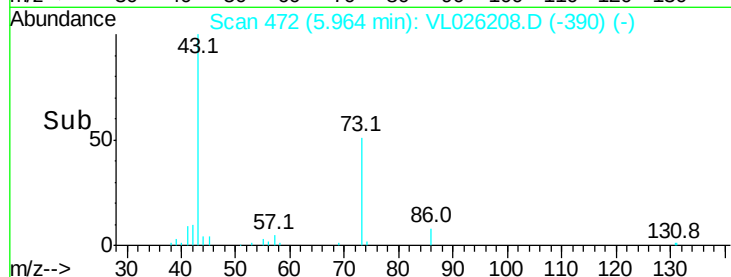
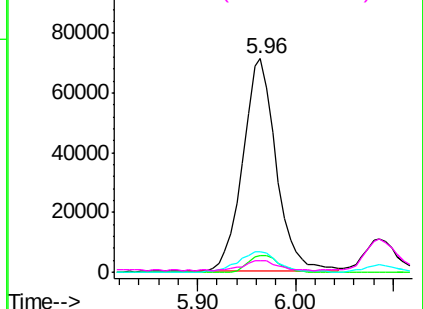


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.10 ppbv

RT: 5.88 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

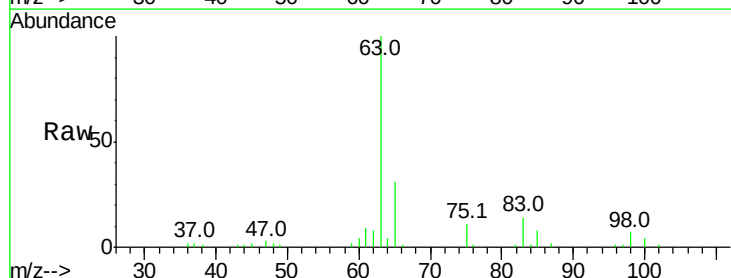
Tgt Ion: 63 Resp: 105770

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

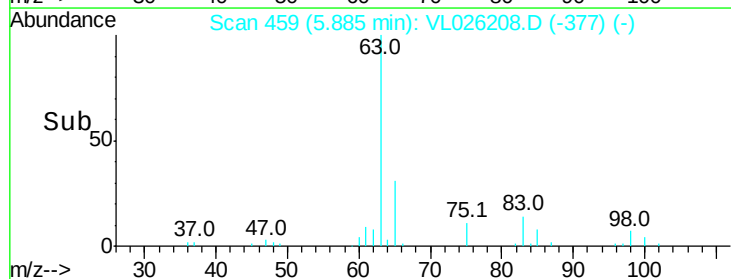
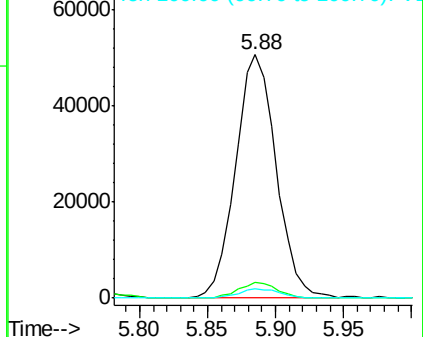
100 4.0 1.8 5.5

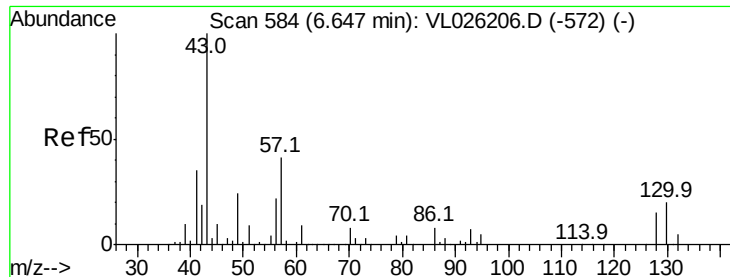


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

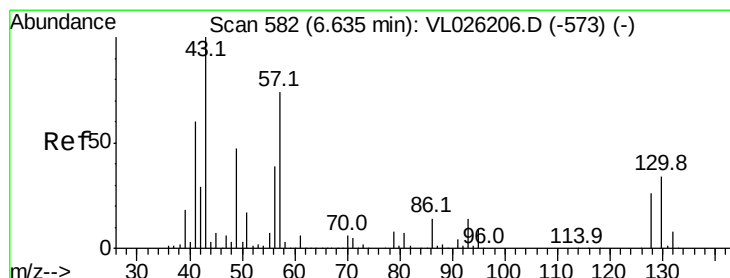
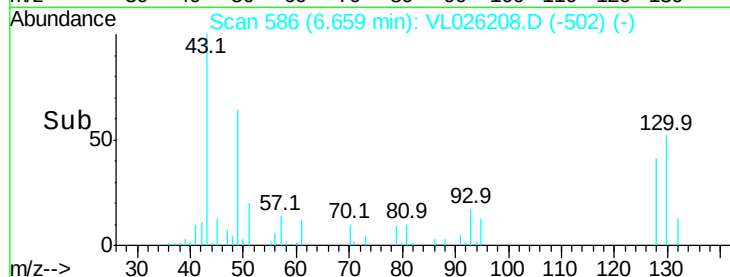
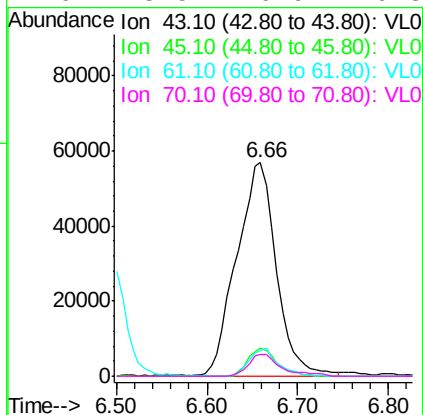
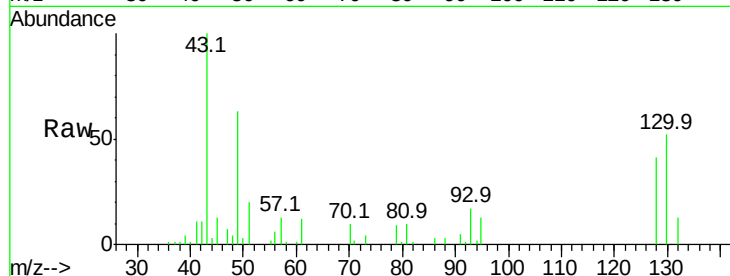




#25
Ethyl Acetate
Concen: 1.12 ppbv
RT: 6.66 min Scan# 586
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

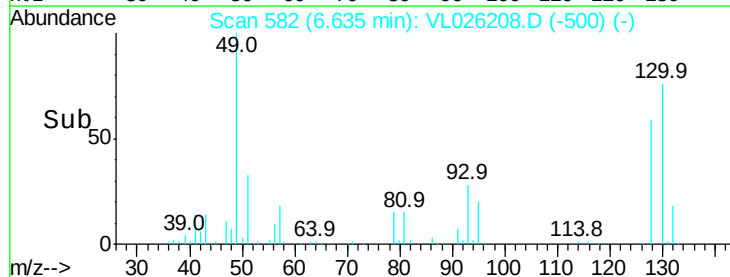
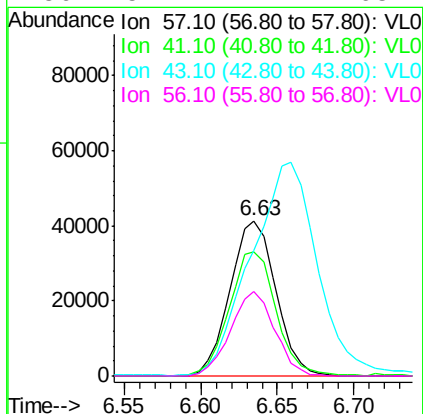
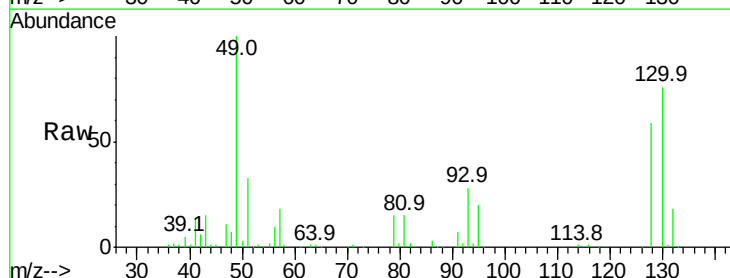
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

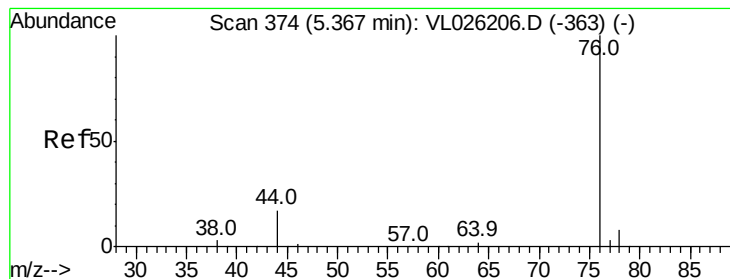
Tgt Ion:	43	Resp:	172961
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.5	11.3
61	9.4	7.5	11.3
70	8.5	6.9	10.3



#26
Hexane
Concen: 1.14 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion:	57	Resp:	86159
Ion	Ratio	Lower	Upper
57	100		
41	82.7	67.0	100.6
43	206.6	156.0	234.0
56	52.4	42.1	63.1





#27

Carbon Disulfide

Concen: 1.15 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

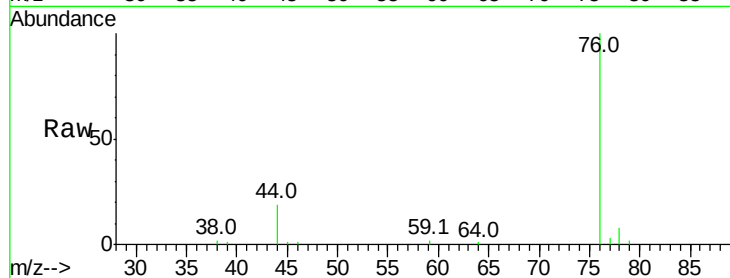
Tgt Ion: 76 Resp: 105984

Ion Ratio Lower Upper

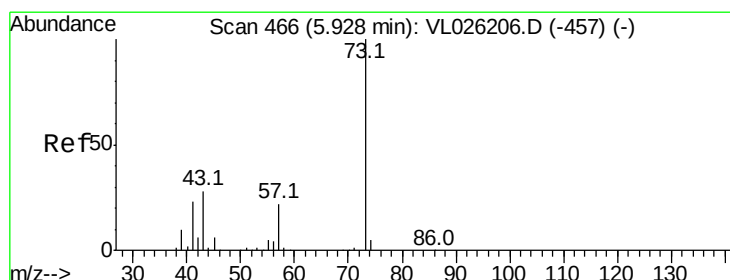
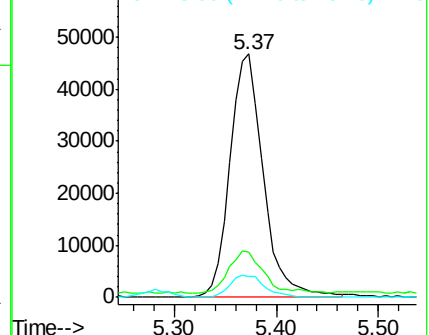
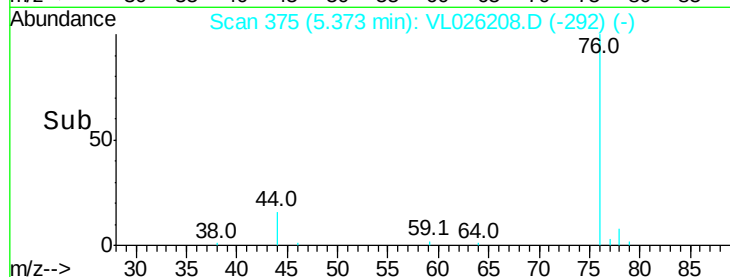
76 100

44 19.5 13.8 20.6

78 9.3 7.4 11.2



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



#28

Methyl tert-Butyl Ether

Concen: 1.25 ppbv

RT: 5.95 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL026208.D

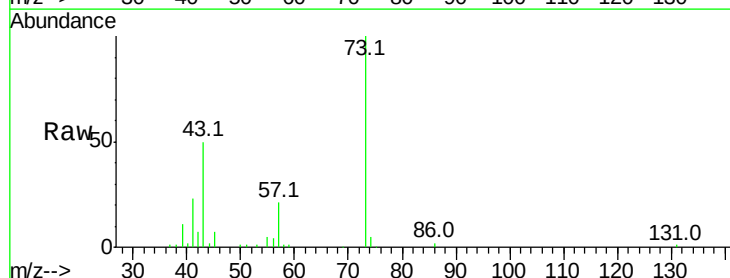
Acq: 20 Oct 2015 11:54

Tgt Ion: 73 Resp: 155296

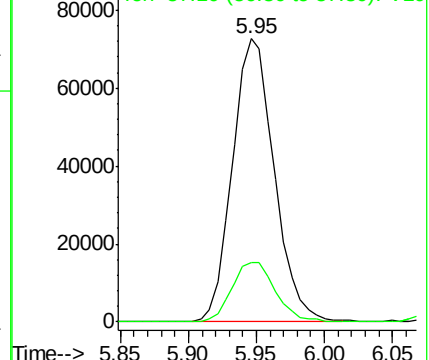
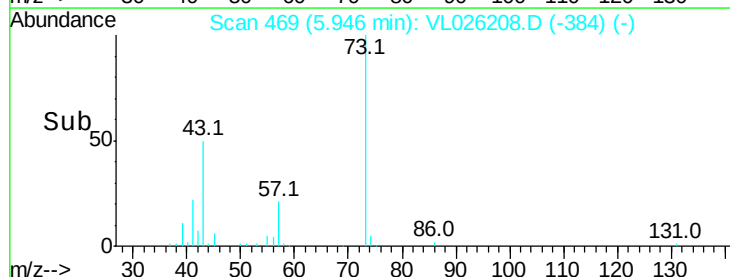
Ion Ratio Lower Upper

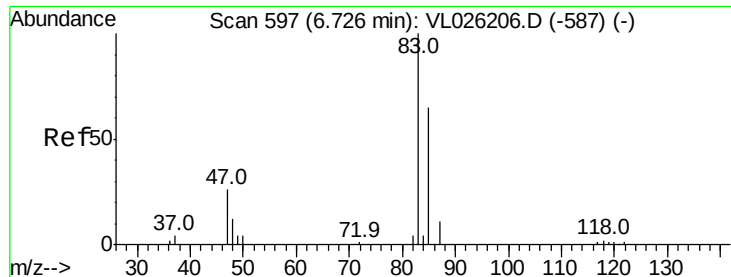
73 100

57 21.8 17.9 26.9



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

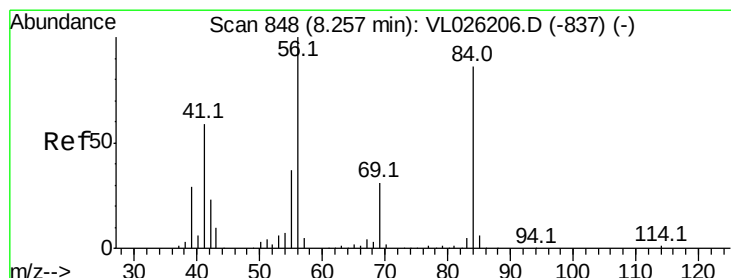
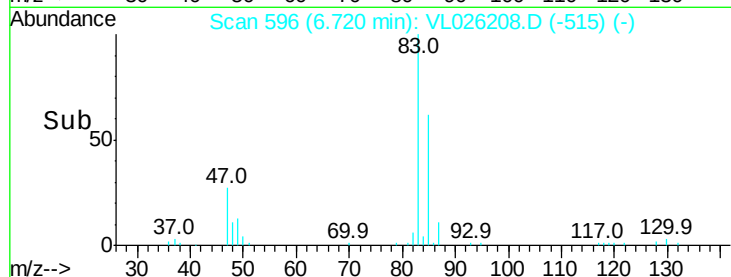
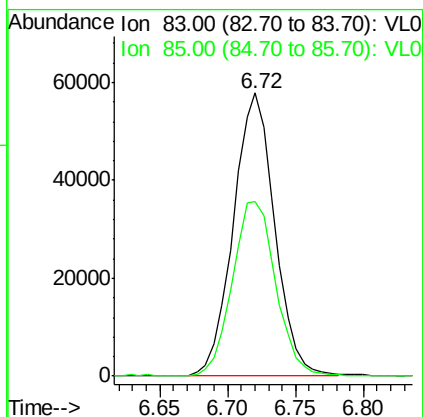
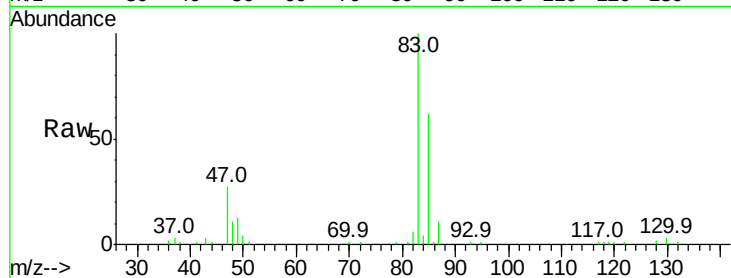




#29
Chloroform
Concen: 1.11 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

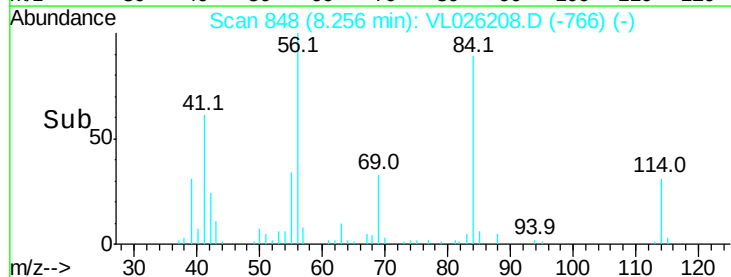
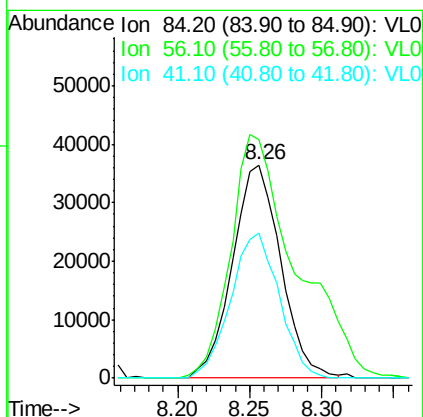
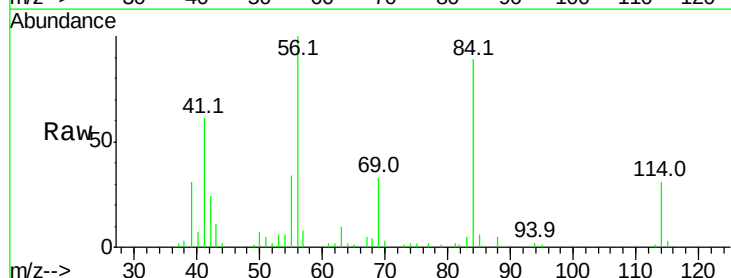
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

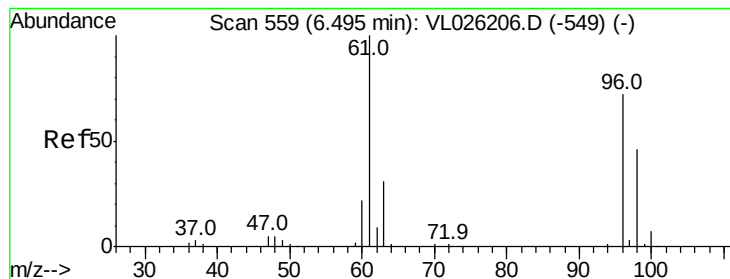
Tgt Ion: 83 Resp: 122729
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.6



#30
Cyclohexane
Concen: 1.18 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 84 Resp: 85094
Ion Ratio Lower Upper
84 100
56 155.2 97.5 146.3#
41 68.3 54.6 81.8





#31

cis-1,2-Dichloroethene

Concen: 1.10 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

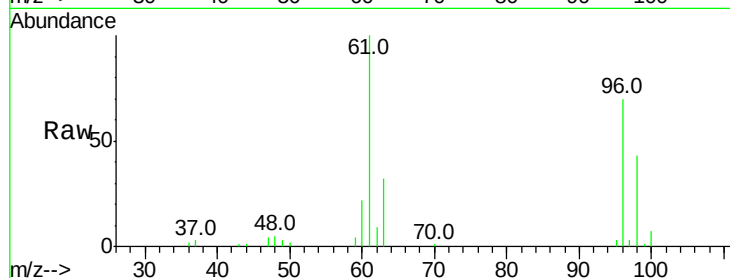
Tgt Ion: 61 Resp: 75011

Ion Ratio Lower Upper

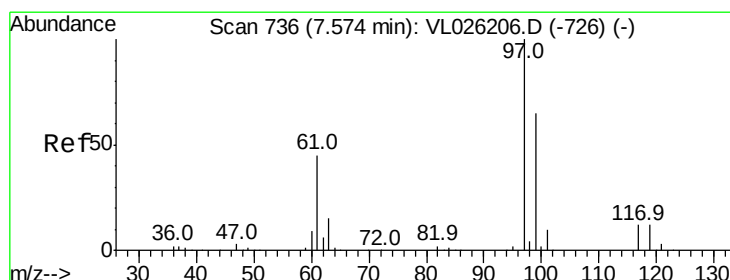
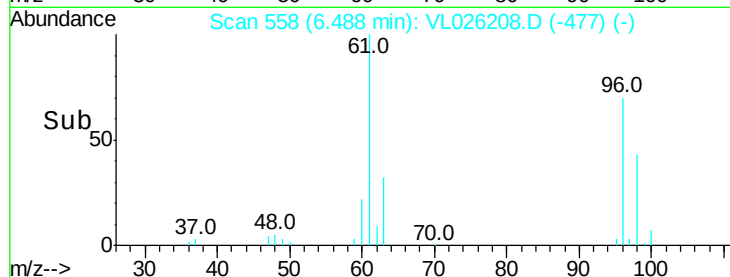
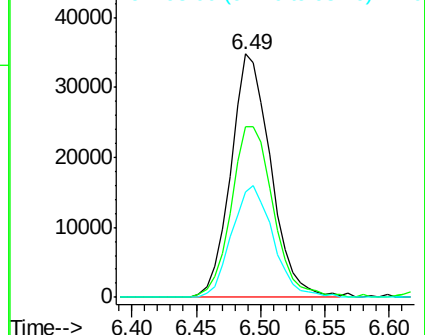
61 100

96 70.3 57.9 86.9

98 43.2 37.2 55.8



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: 1.22 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

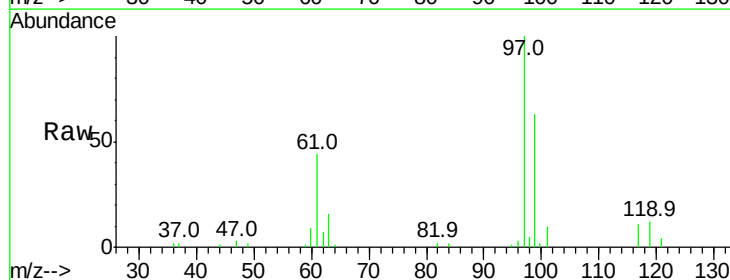
Tgt Ion: 97 Resp: 130661

Ion Ratio Lower Upper

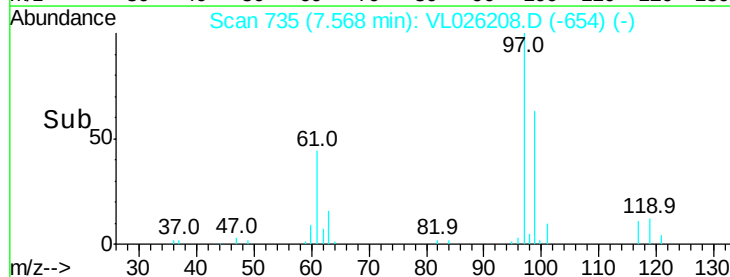
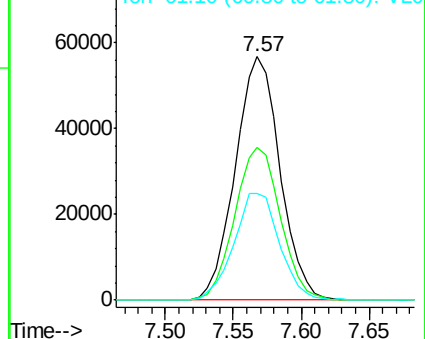
97 100

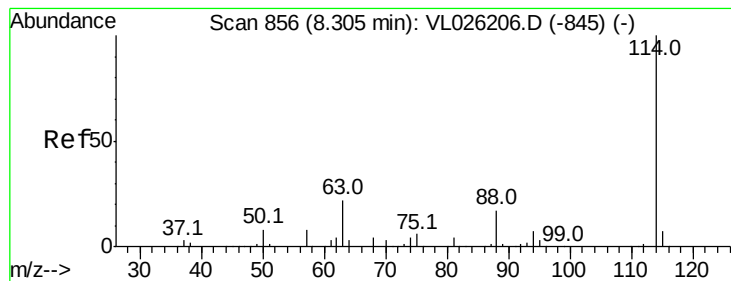
99 63.7 51.4 77.2

61 44.9 36.0 54.0



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: 10.00 ppbv

RT: 8.30 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

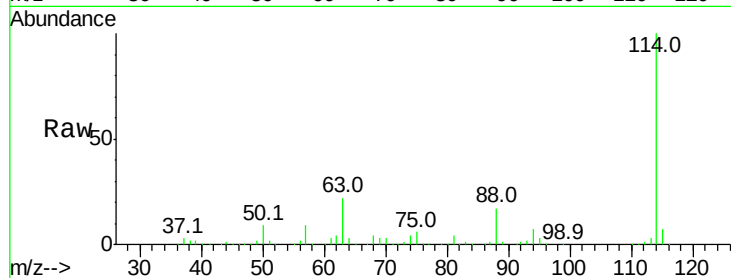
Tgt Ion:114 Resp: 1809744

Ion Ratio Lower Upper

114 100

63 22.2 17.9 26.9

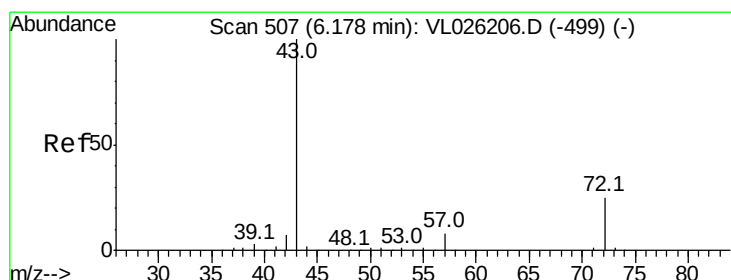
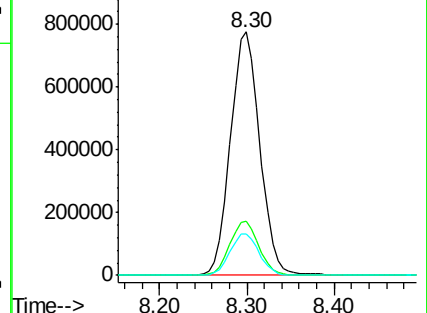
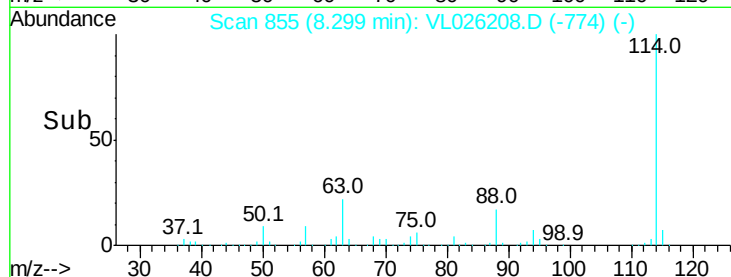
88 17.1 13.6 20.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.06 ppbv

RT: 6.19 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL026208.D

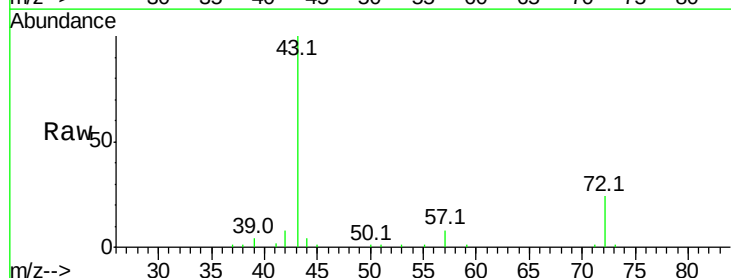
Acq: 20 Oct 2015 11:54

Tgt Ion: 43 Resp: 105688

Ion Ratio Lower Upper

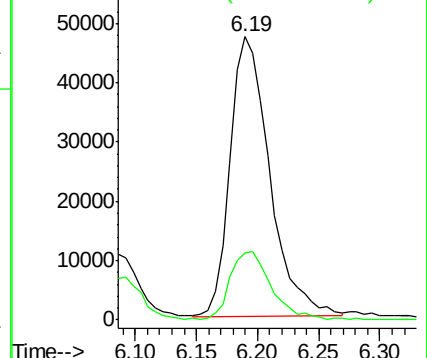
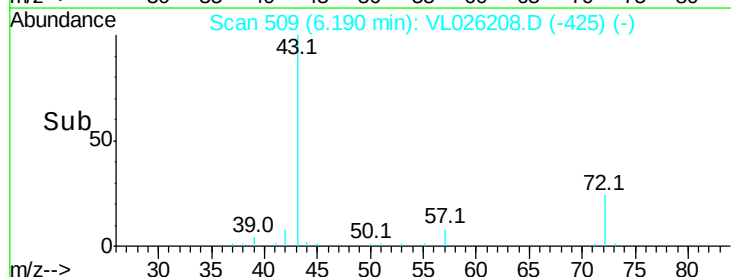
43 100

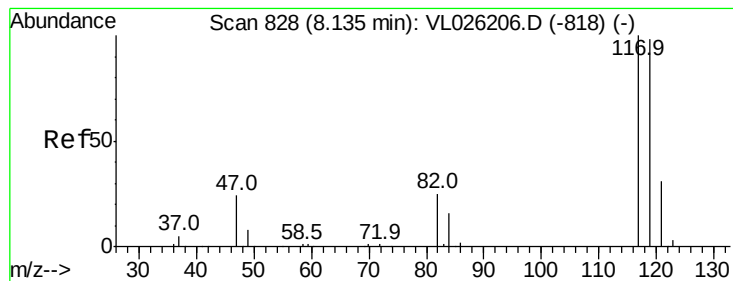
72 25.5 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.16 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

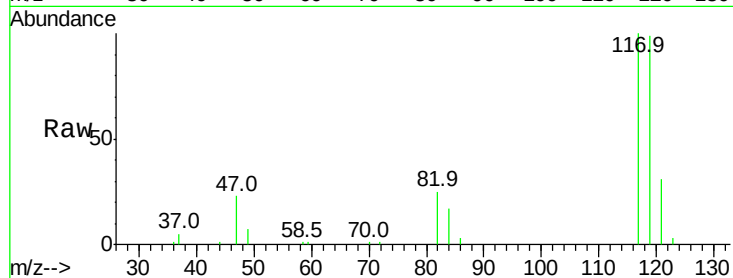
Tgt Ion:117 Resp: 134887

Ion Ratio Lower Upper

117 100

119 99.0 78.3 117.5

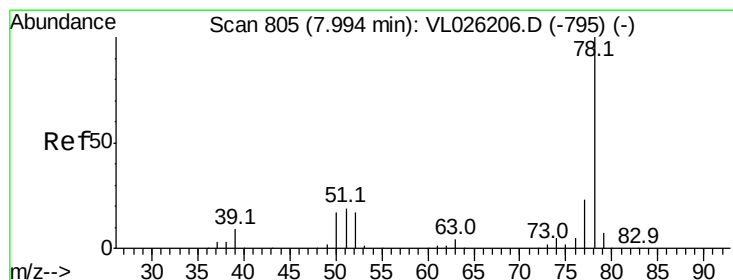
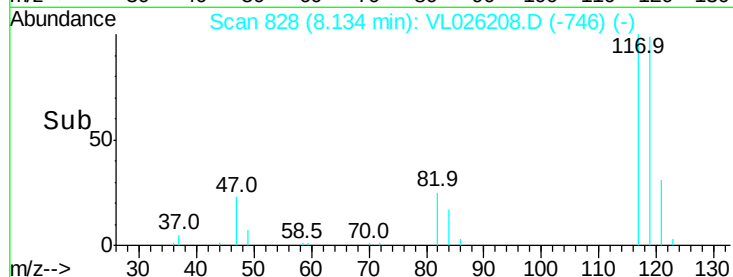
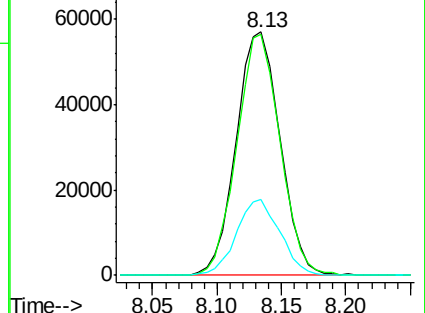
121 31.3 25.0 37.6



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: 1.11 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

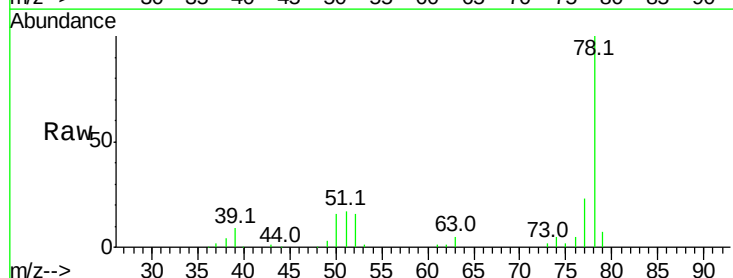
Tgt Ion: 78 Resp: 193432

Ion Ratio Lower Upper

78 100

77 23.2 18.1 27.1

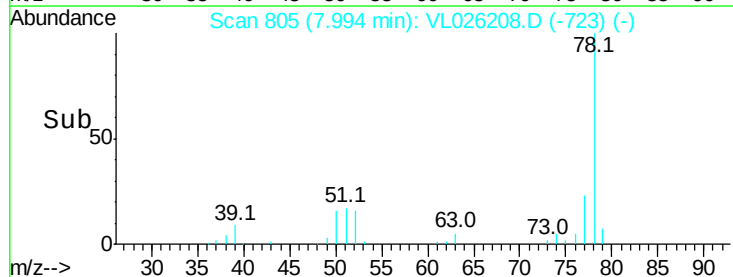
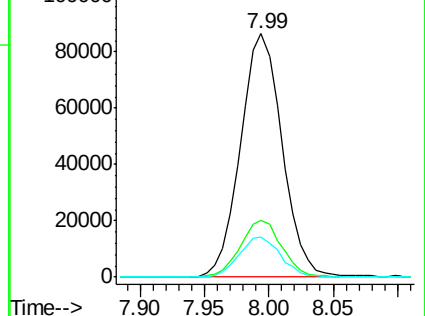
50 16.5 13.4 20.0

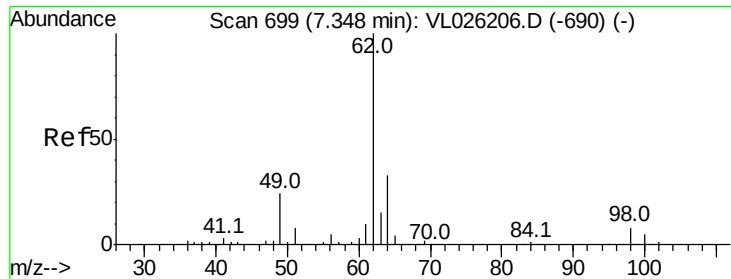


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

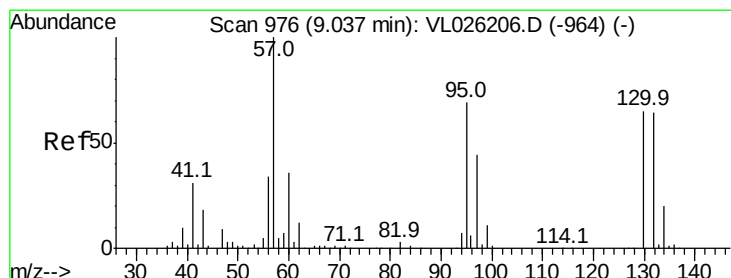
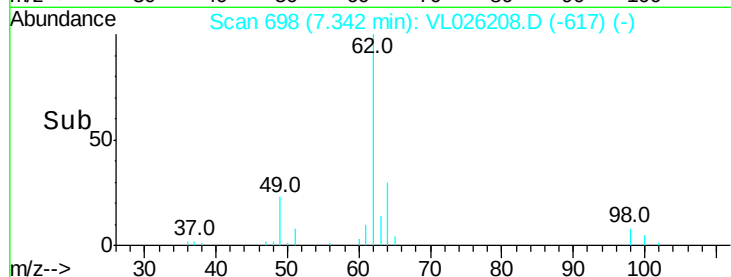
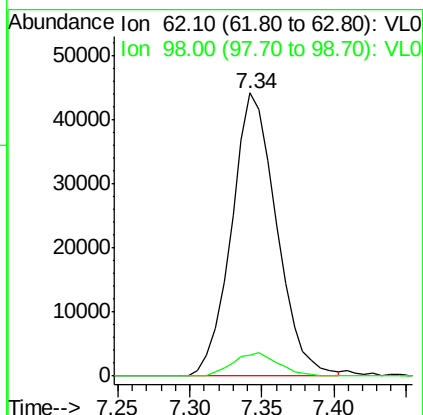
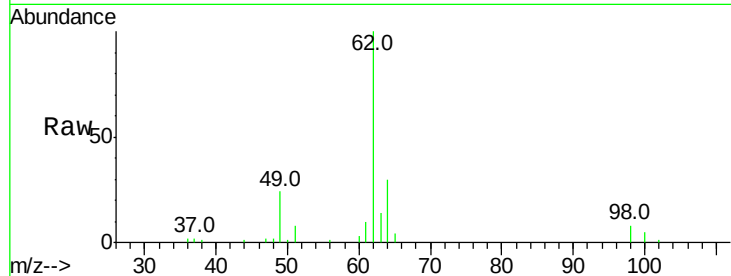




#37
 1,2-Dichloroethane
 Concen: 1.04 ppbv
 RT: 7.34 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

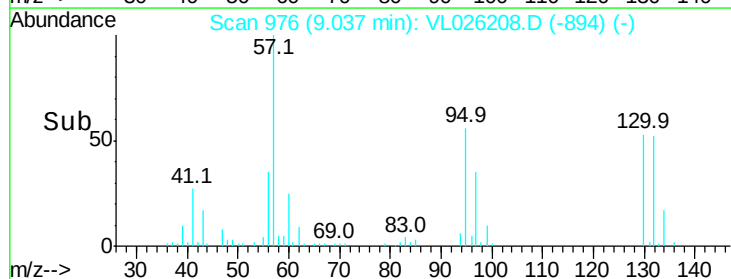
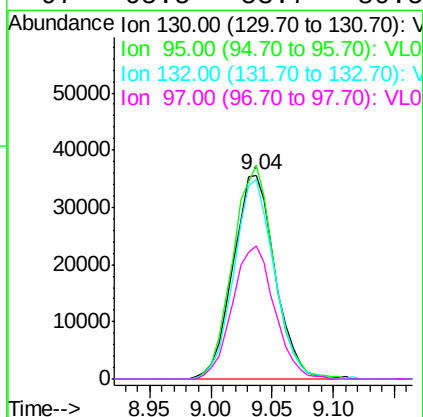
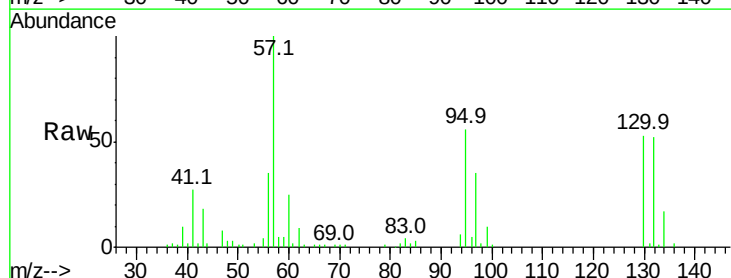
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

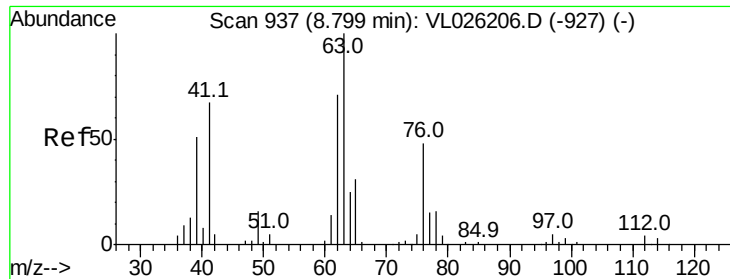
Tgt Ion: 62 Resp: 96054
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.2 9.4



#38
 Trichloroethene
 Concen: 1.06 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 130 Resp: 85058
 Ion Ratio Lower Upper
 130 100
 95 104.8 84.2 126.2
 132 98.3 78.5 117.7
 97 65.5 53.7 80.5





#39

1,2-Dichloropropane

Concen: 1.05 ppbv

RT: 8.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

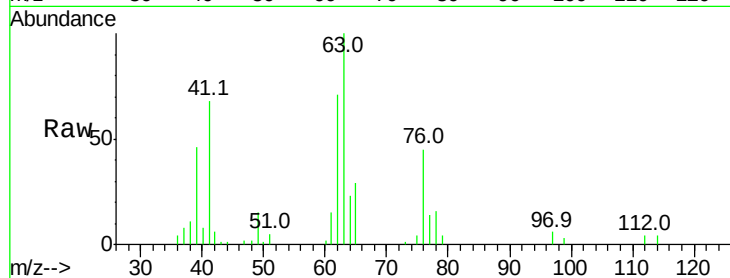
Tgt Ion: 63 Resp: 67453

Ion Ratio Lower Upper

63 100

41 67.9 54.0 81.0

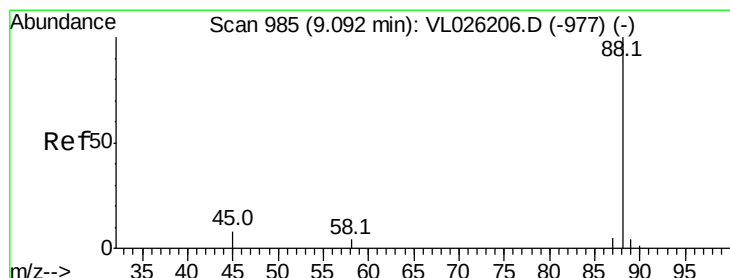
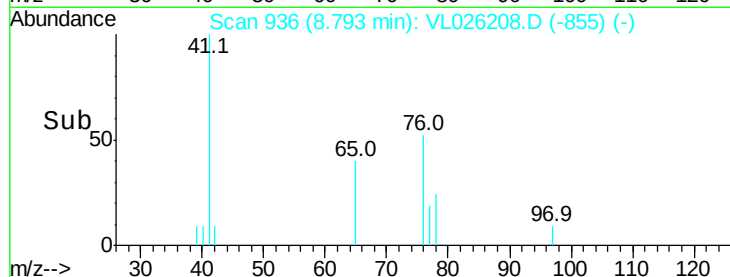
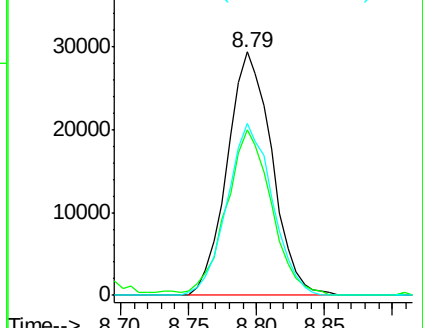
62 70.9 56.7 85.1



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: 0.88 ppbv

RT: 9.15 min Scan# 995

Delta R.T. 0.06 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion: 88 Resp: 10527

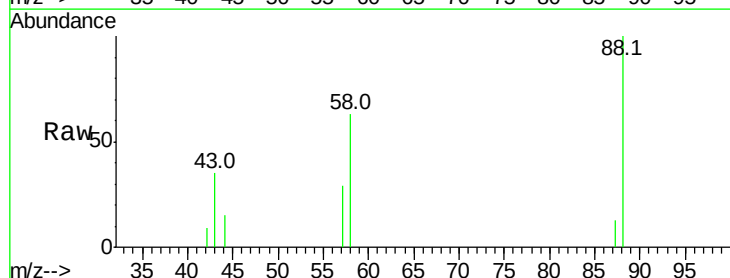
Ion Ratio Lower Upper

88 100

58 110.2 115.9 173.9#

43 45.0 279.4 419.0#

57 0.0 1404.1 2106.1#

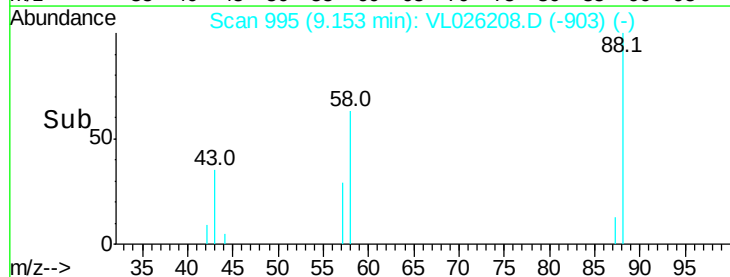
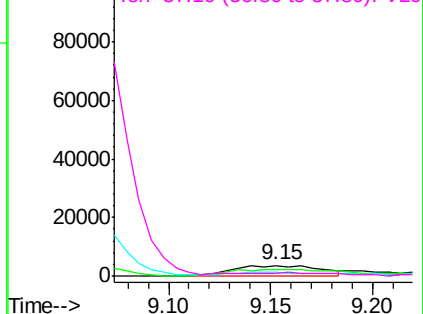


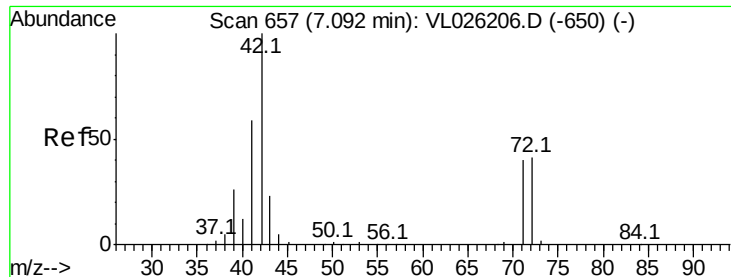
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 1.08 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.03 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

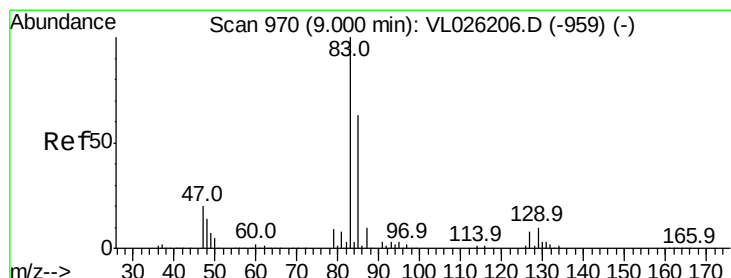
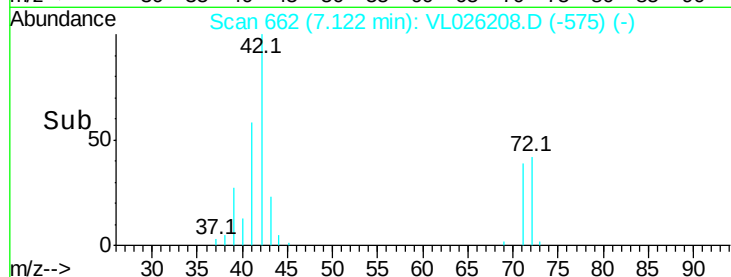
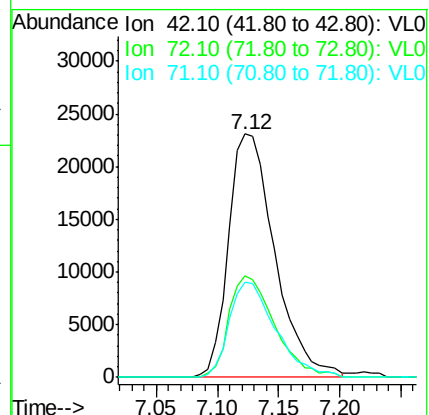
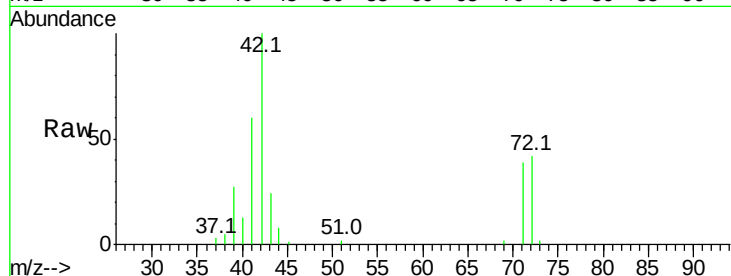
Tgt Ion: 42 Resp: 60649

Ion Ratio Lower Upper

42 100

72 41.4 33.8 50.6

71 39.2 32.3 48.5



#42

Bromodichloromethane

Concen: 1.14 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

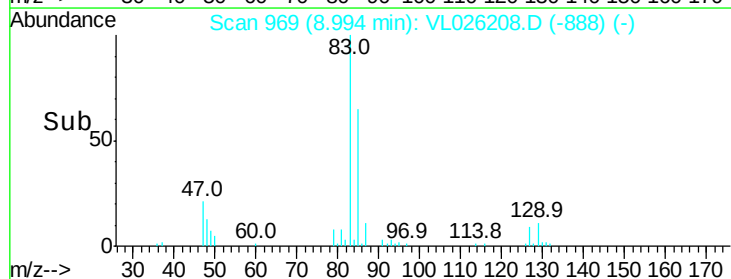
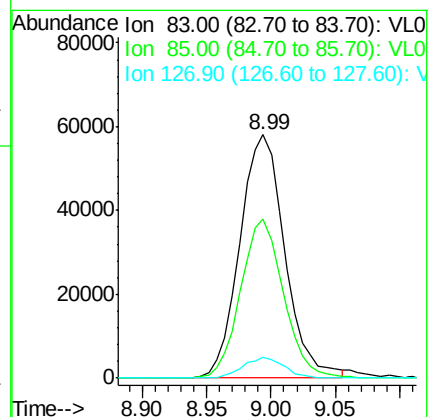
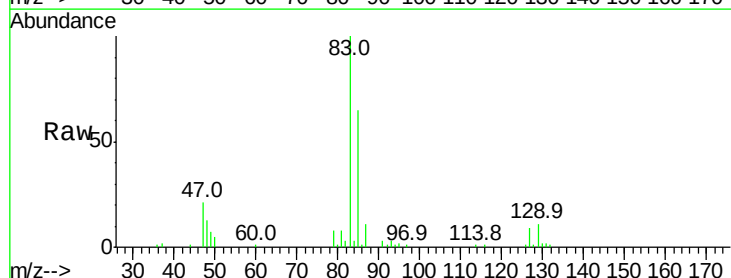
Tgt Ion: 83 Resp: 140683

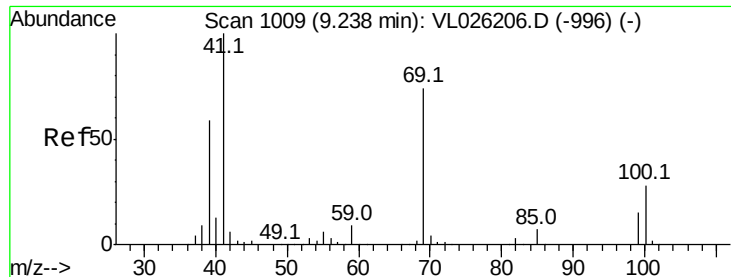
Ion Ratio Lower Upper

83 100

85 65.2 50.6 75.8

127 8.6 6.5 9.7





#43

Methyl Methacrylate

Concen: 1.12 ppbv

RT: 9.24 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

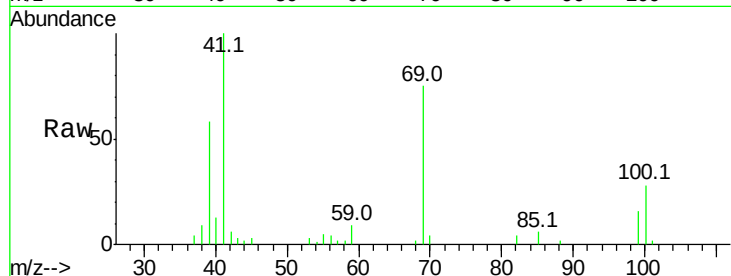
Tgt Ion: 69 Resp: 68514

Ion Ratio Lower Upper

69 100

41 132.4 109.0 163.4

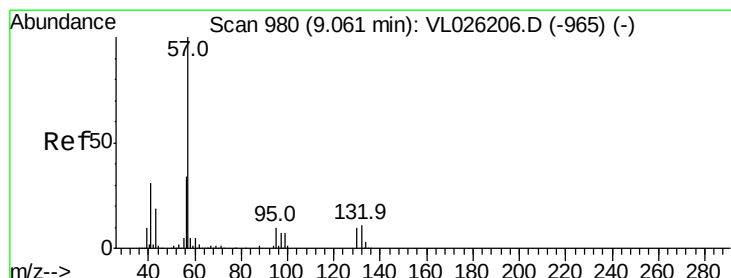
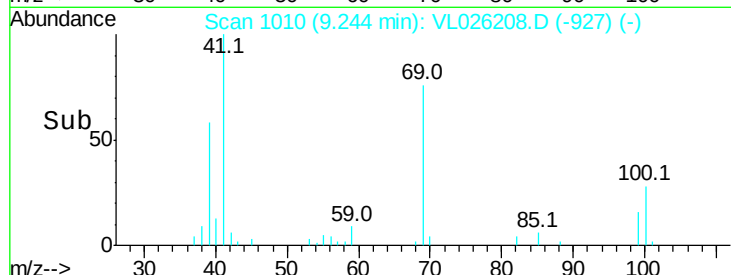
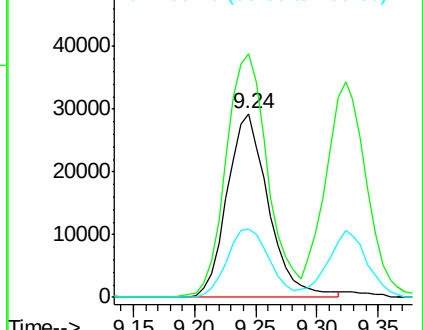
100 37.8 31.0 46.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.12 ppbv

RT: 9.06 min Scan# 979

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

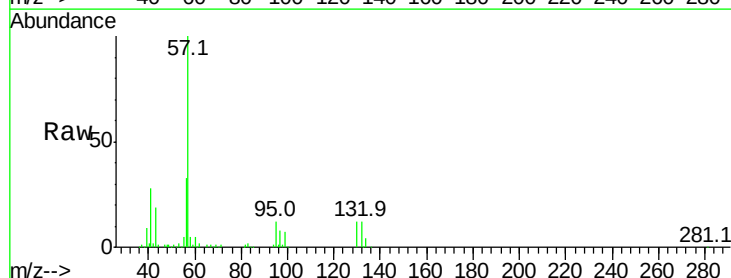
Tgt Ion: 57 Resp: 323013

Ion Ratio Lower Upper

57 100

41 28.0 24.0 36.0

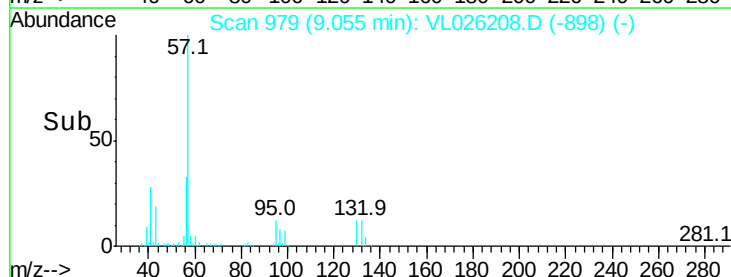
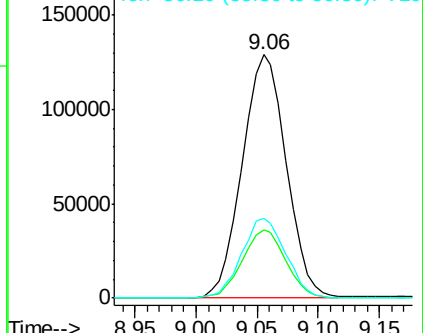
56 32.7 26.6 39.8

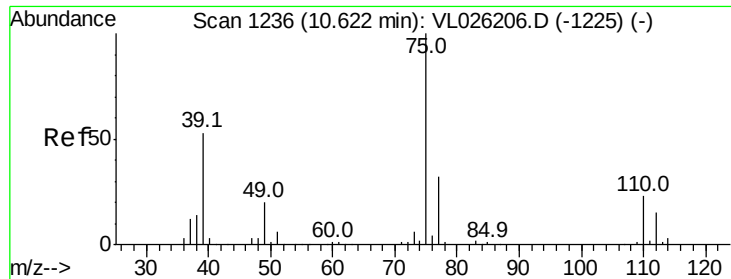


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

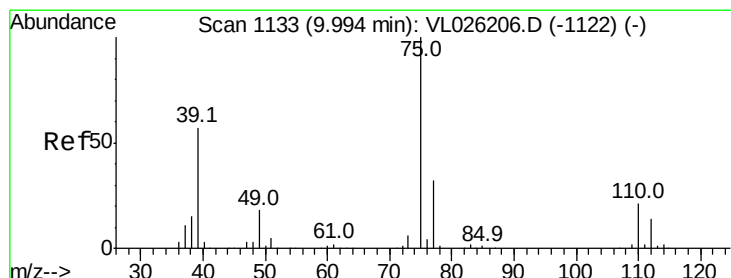
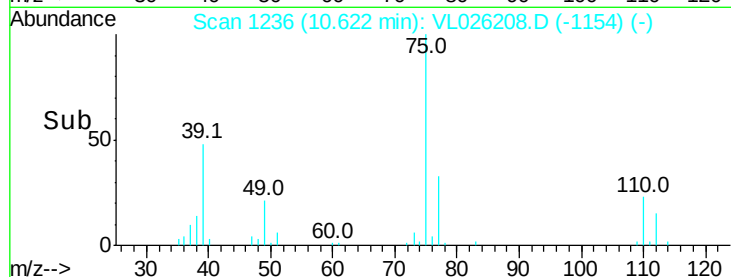
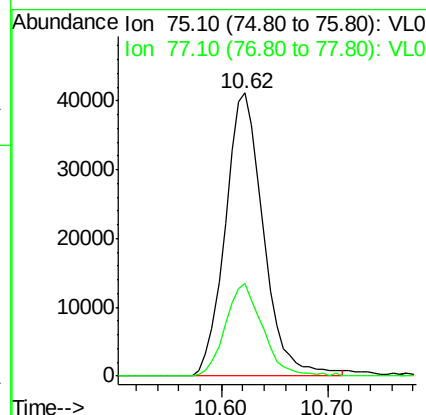
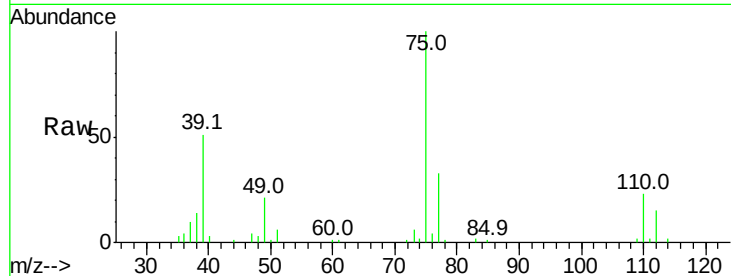




#45
 t-1,3-Dichloropropene
 Concen: 1.21 ppbv
 RT: 10.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

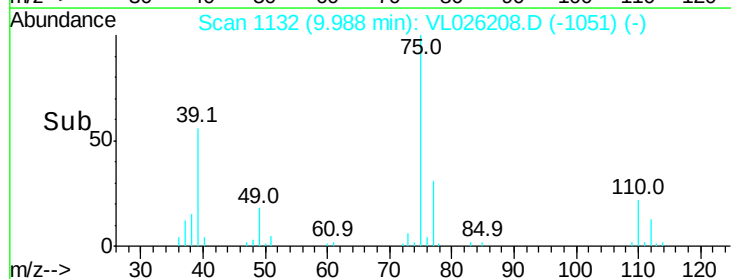
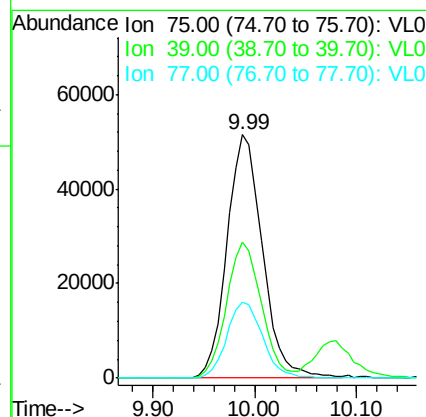
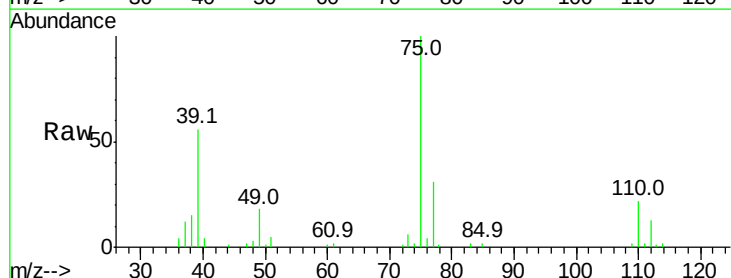
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

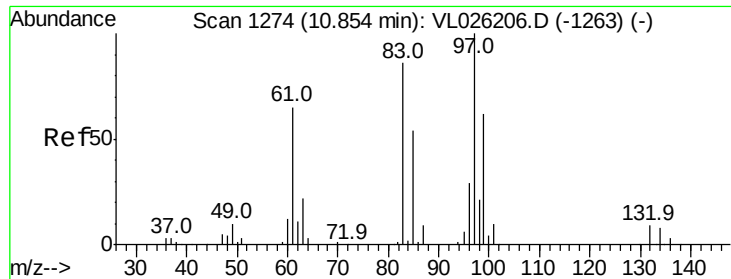
Tgt Ion: 75 Resp: 103346
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 1.20 ppbv
 RT: 9.99 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 75 Resp: 124861
 Ion Ratio Lower Upper
 75 100
 39 55.7 45.3 67.9
 77 31.2 25.3 37.9

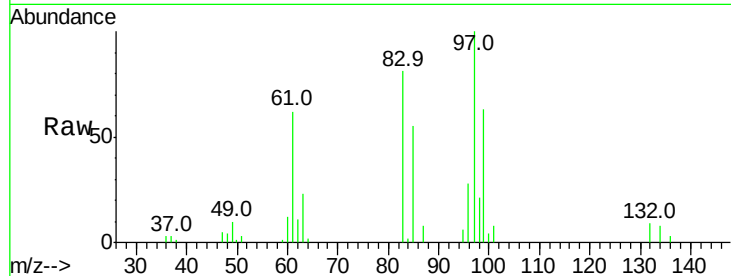




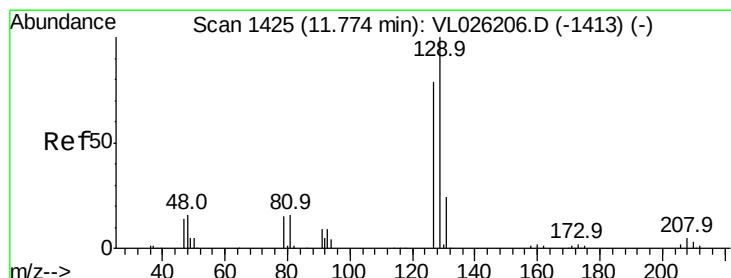
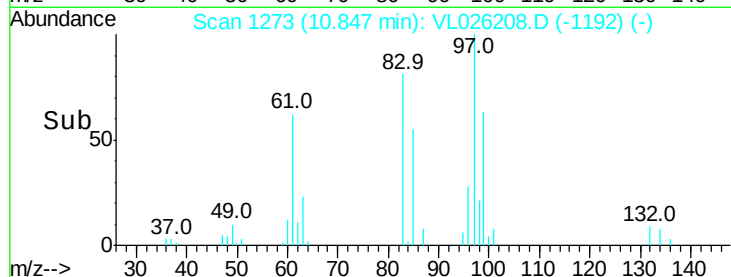
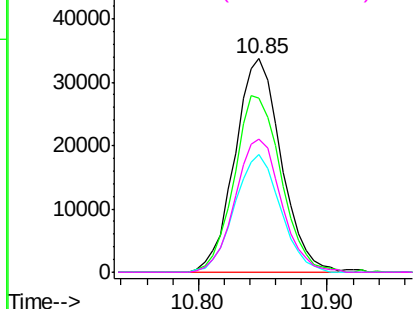
#47
 1,1,2-Trichloroethane
 Concen: 1.08 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 83991
 Ion Ratio Lower Upper
 97 100
 83 81.4 68.6 103.0
 85 54.9 43.5 65.3
 99 62.5 49.4 74.2

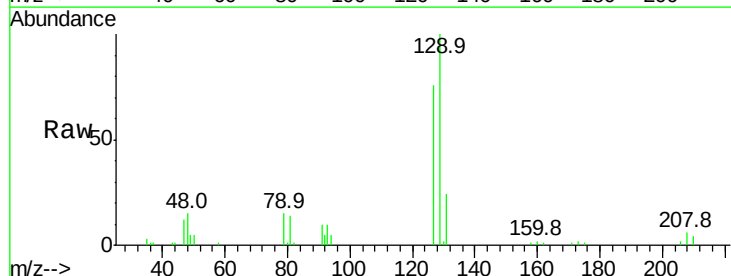


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

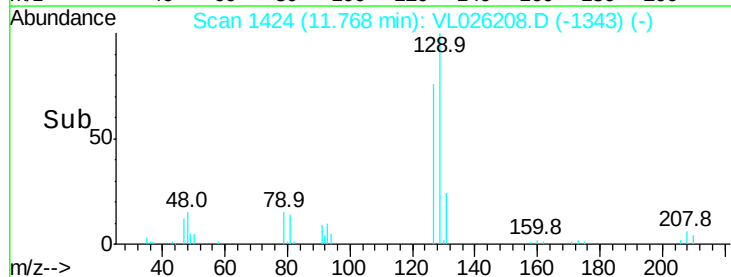
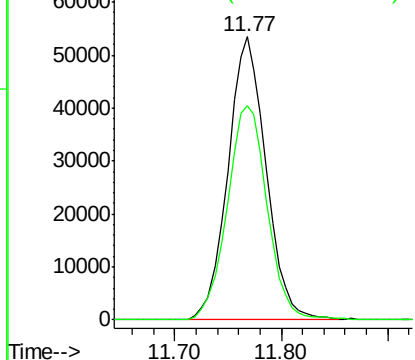


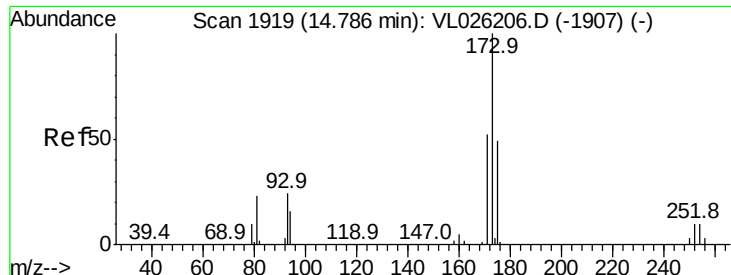
#48
 Dibromochloromethane
 Concen: 1.20 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 129 Resp: 133892
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.29 ppbv

RT: 14.77 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

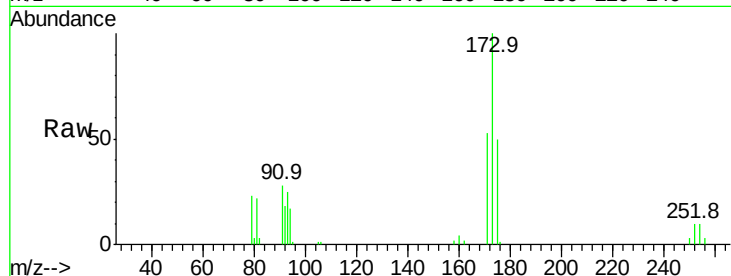
Tgt Ion:173 Resp: 110347

Ion Ratio Lower Upper

173 100

175 49.4 38.7 58.1

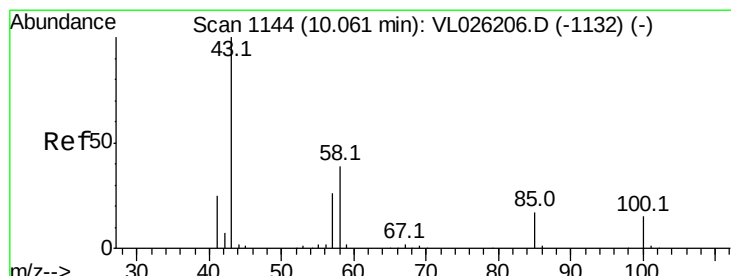
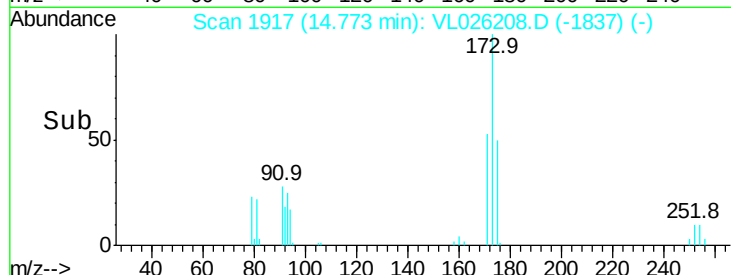
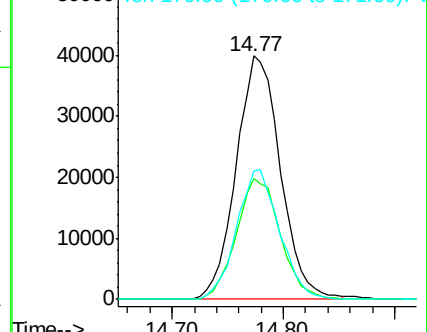
171 51.5 41.4 62.0



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: 1.07 ppbv

RT: 10.07 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VL026208.D

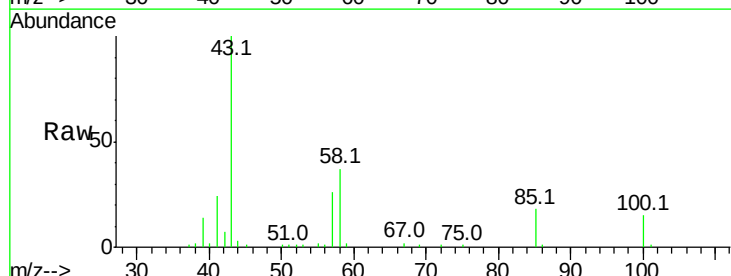
Acq: 20 Oct 2015 11:54

Tgt Ion: 43 Resp: 141614

Ion Ratio Lower Upper

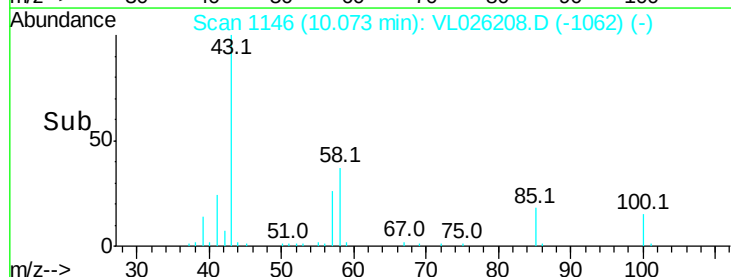
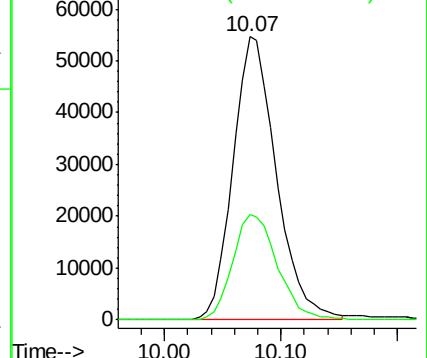
43 100

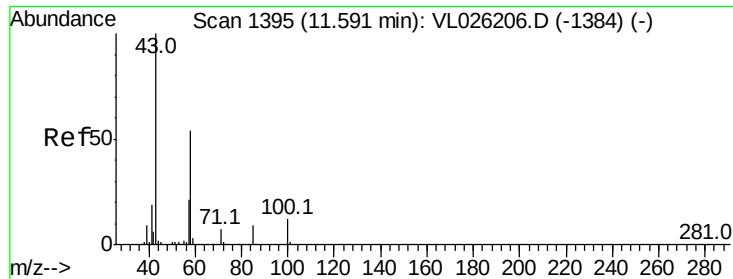
58 38.4 31.3 46.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

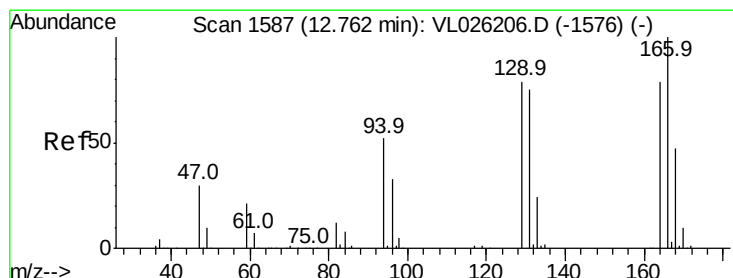
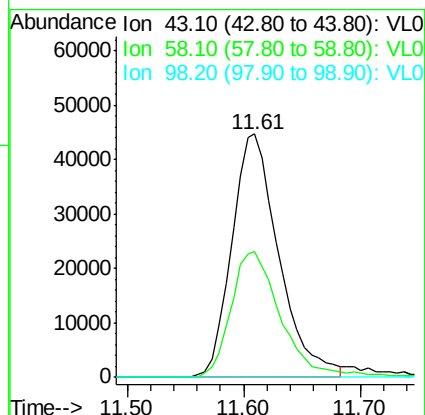
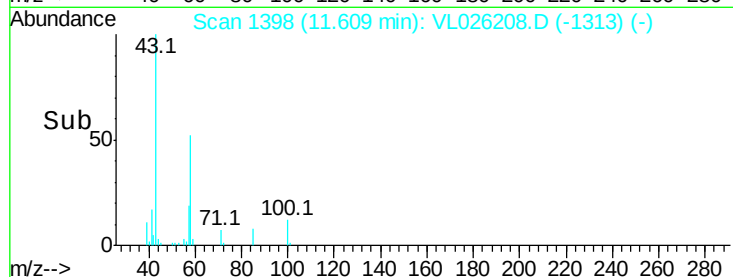
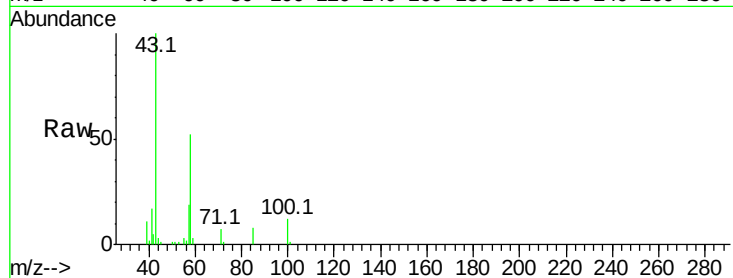




#51
2-Hexanone
Concen: 1.06 ppbv
RT: 11.61 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

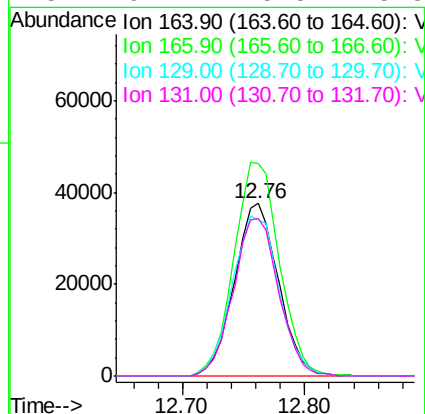
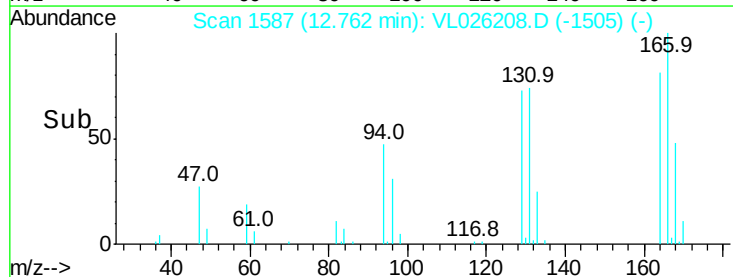
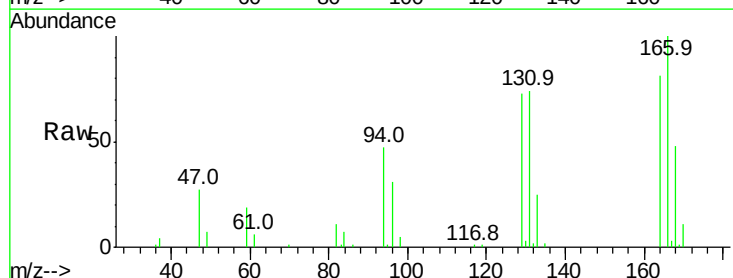
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

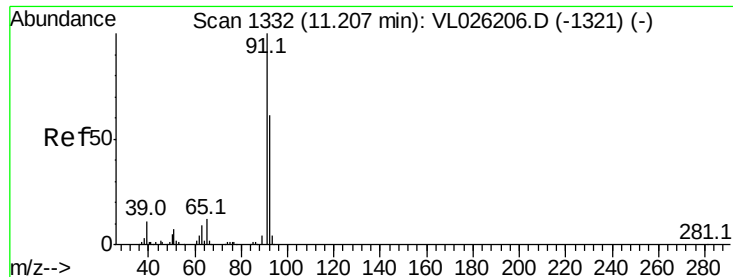
Tgt Ion: 43 Resp: 125533
Ion Ratio Lower Upper
43 100
58 55.4 43.9 65.9
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.09 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 164 Resp: 94117
Ion Ratio Lower Upper
164 100
166 123.5 100.9 151.3
129 90.6 79.7 119.5
131 91.4 75.5 113.3





#53

Toluene

Concen: 1.17 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

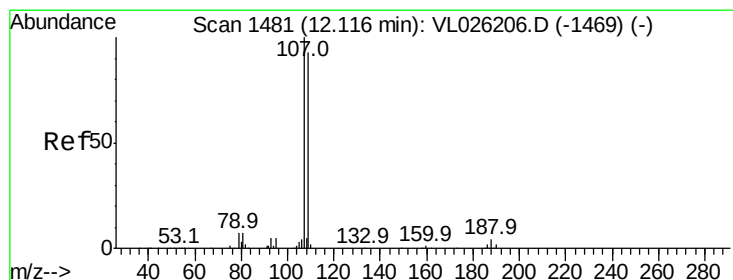
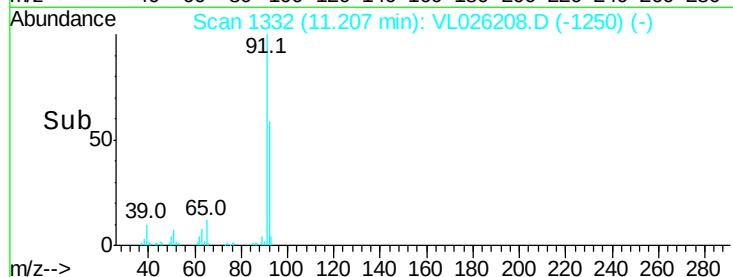
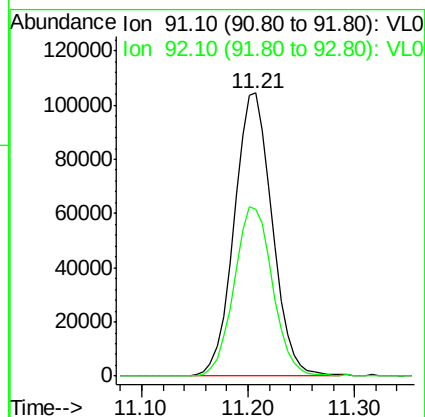
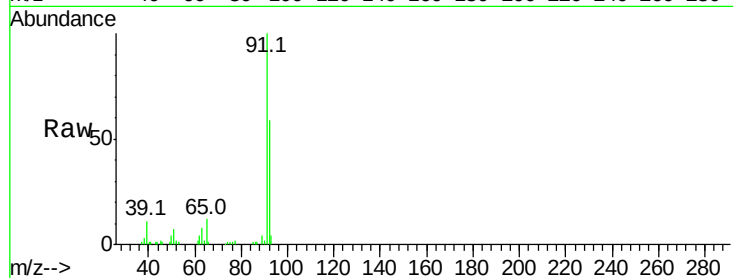
VSTDIC001

Tgt Ion: 91 Resp: 261938

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6



#54

1,2-Dibromoethane

Concen: 1.11 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VL026208.D

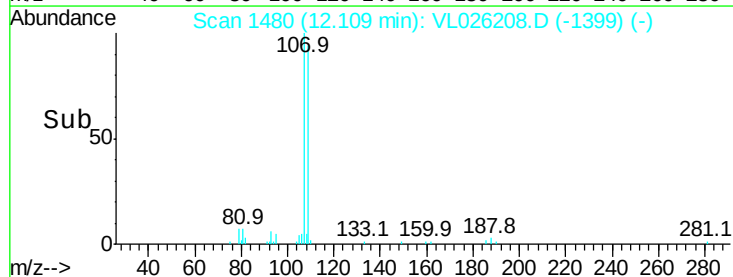
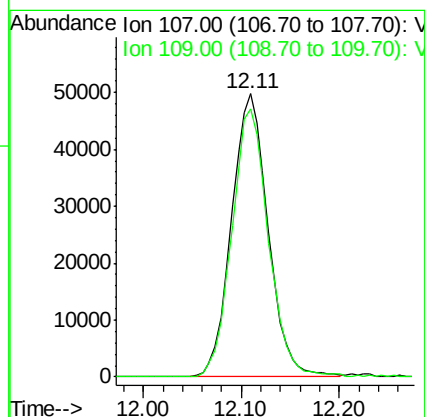
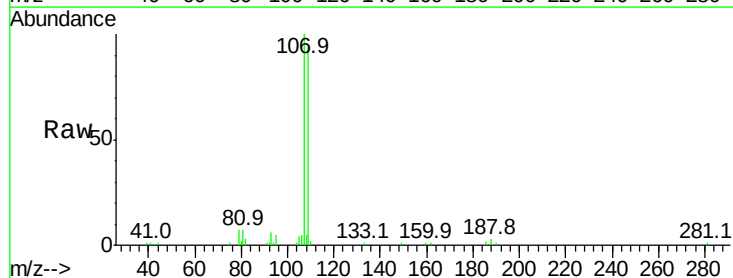
Acq: 20 Oct 2015 11:54

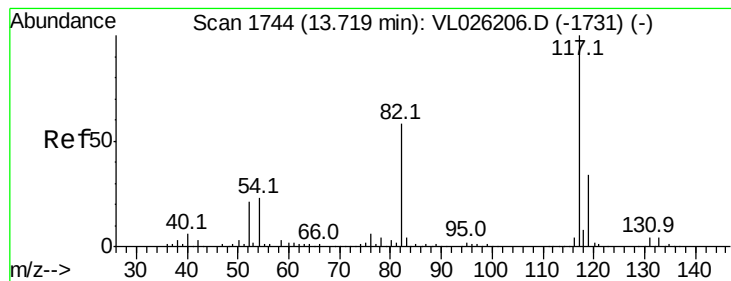
Tgt Ion: 107 Resp: 128815

Ion Ratio Lower Upper

107 100

109 94.5 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1743

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

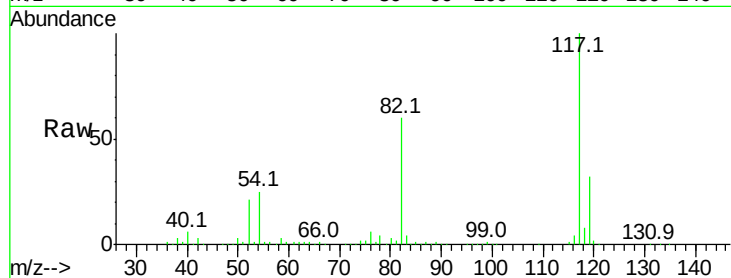
Tgt Ion:117 Resp: 2163150

Ion Ratio Lower Upper

117 100

82 58.5 46.3 69.5

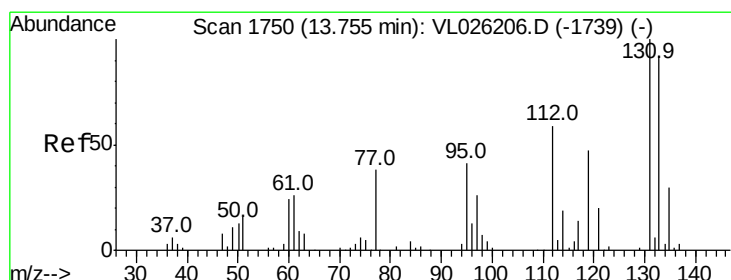
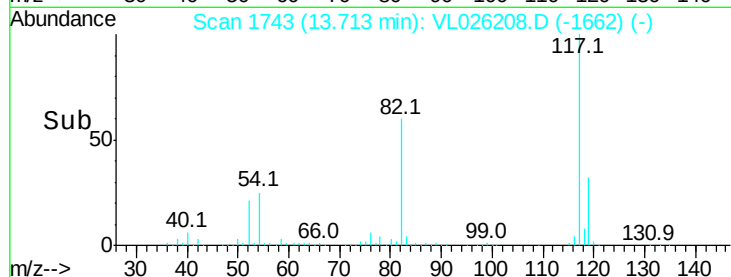
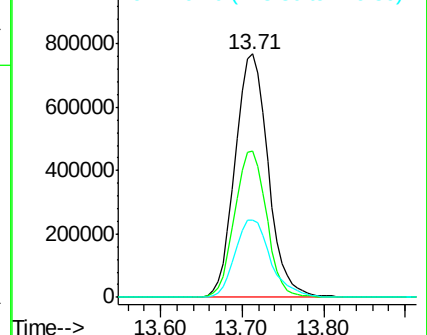
119 34.6 45.0 67.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.20 ppbv

RT: 13.75 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

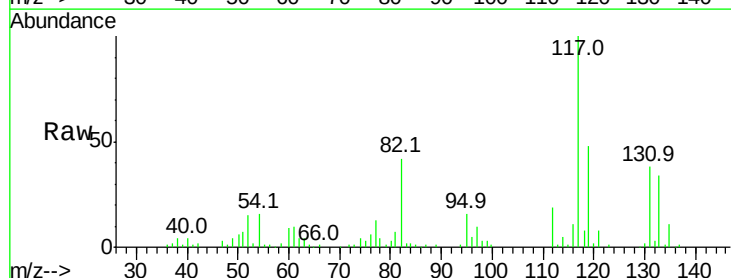
Tgt Ion:131 Resp: 105109

Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

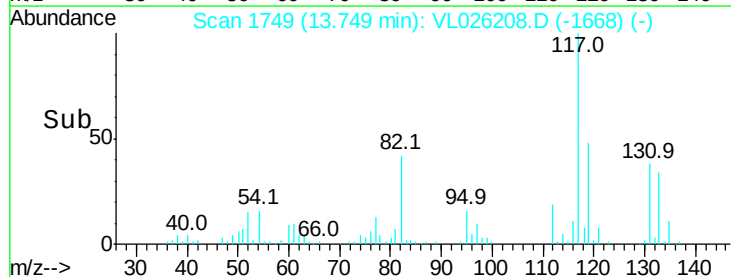
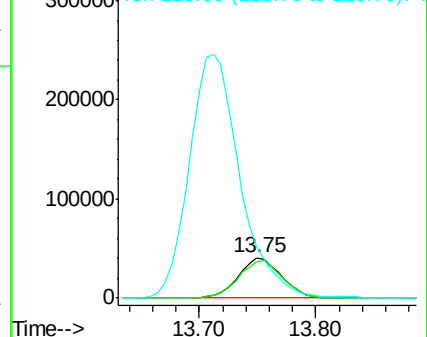
119 712.6 109.4 164.2#

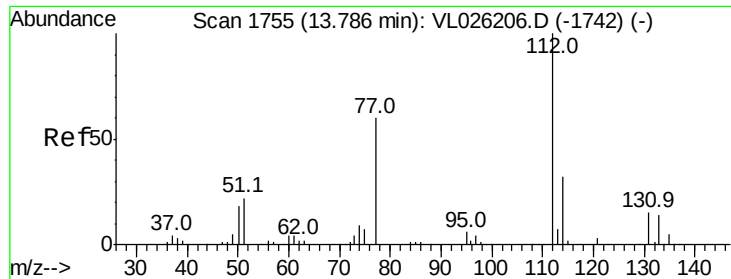


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

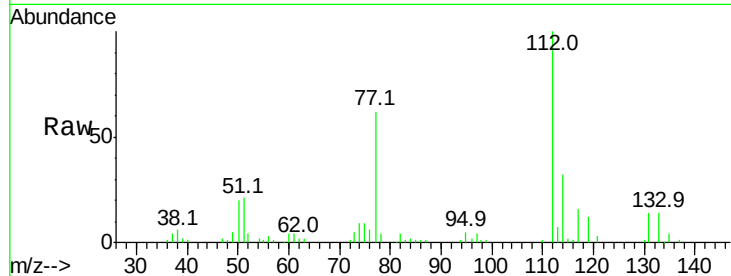




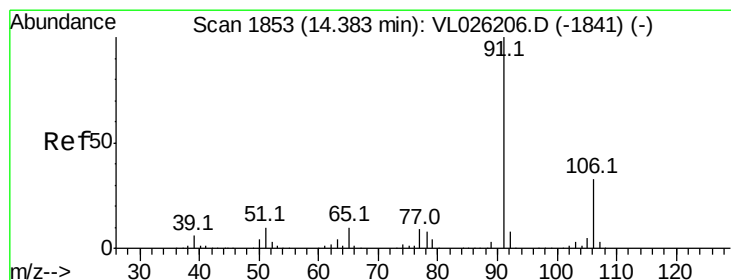
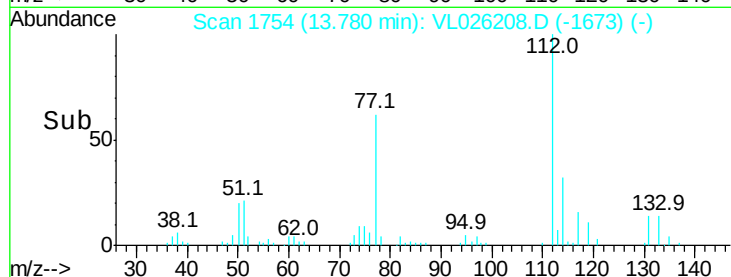
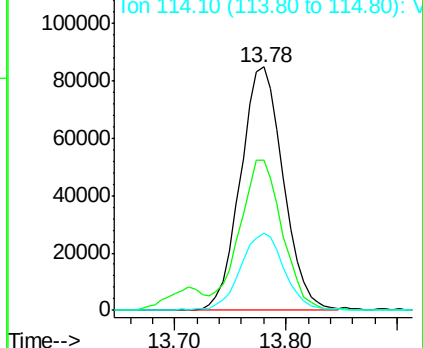
#57
Chlorobenzene
Concen: 1.15 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 112 Resp: 226758
Ion Ratio Lower Upper
112 100
77 60.8 48.2 72.4
114 31.6 29.0 35.4

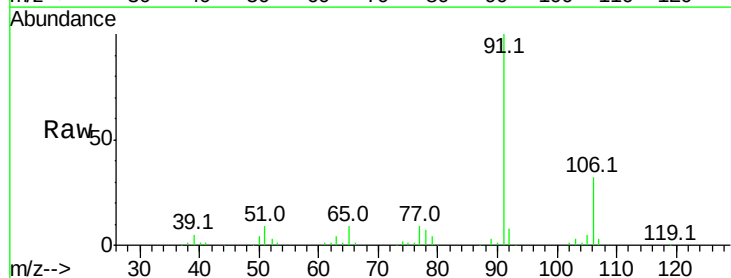


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

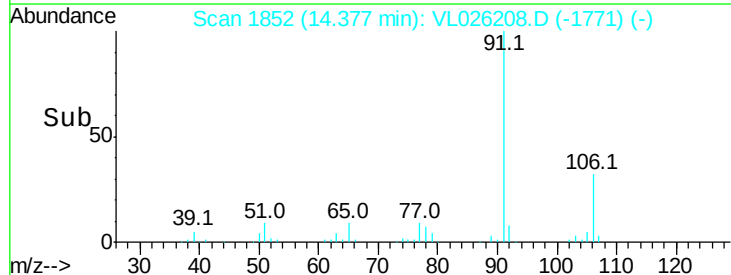
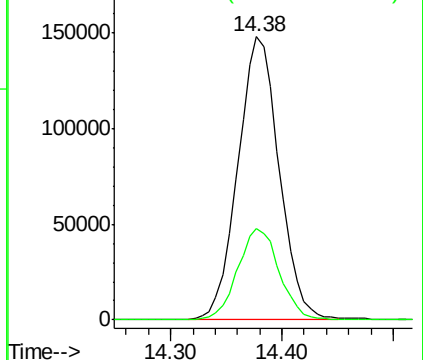


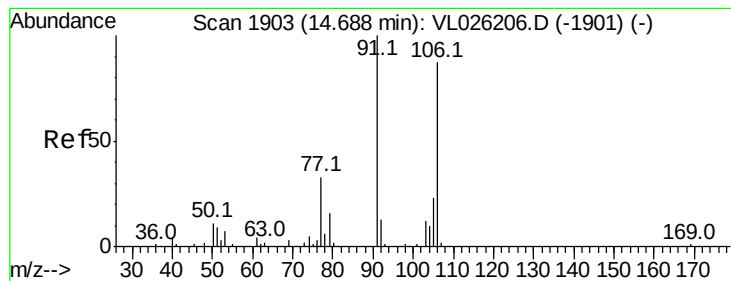
#58
Ethyl Benzene
Concen: 1.20 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 91 Resp: 380479
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.2



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





#59

m/p-Xylene

Concen: 1.37 ppbv

RT: 14.69 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

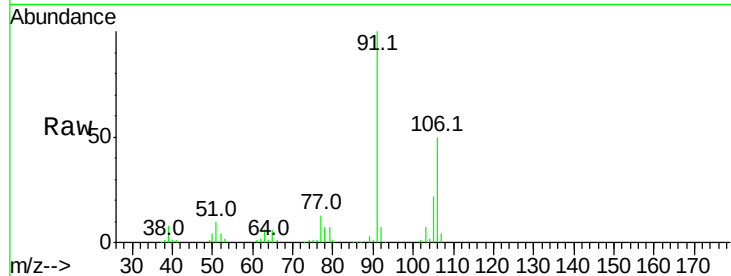
VSTDIC001

Tgt Ion: 91 Resp: 348196

Ion Ratio Lower Upper

91 100

106 87.7 40.6 60.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

14.69

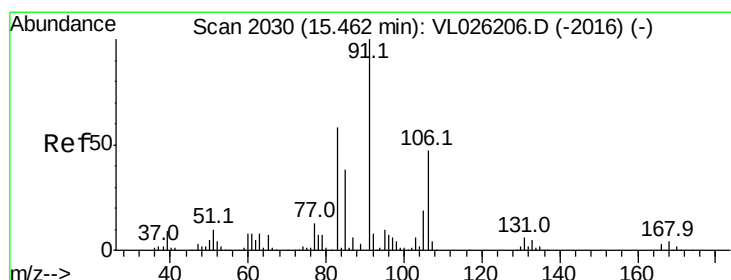
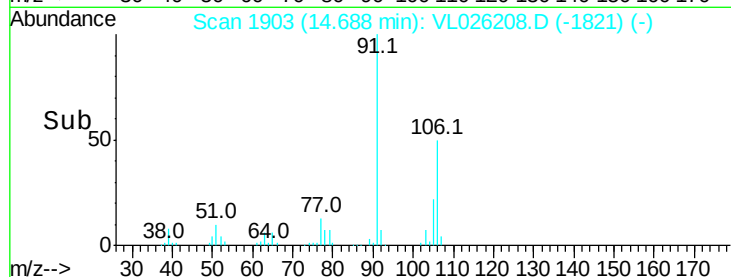
150000

100000

50000

0

Time-->



#60

o-Xylene

Concen: 1.20 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026208.D

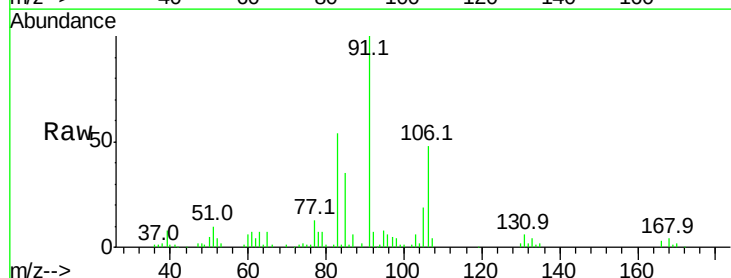
Acq: 20 Oct 2015 11:54

Tgt Ion: 91 Resp: 318916

Ion Ratio Lower Upper

91 100

106 47.8 23.6 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

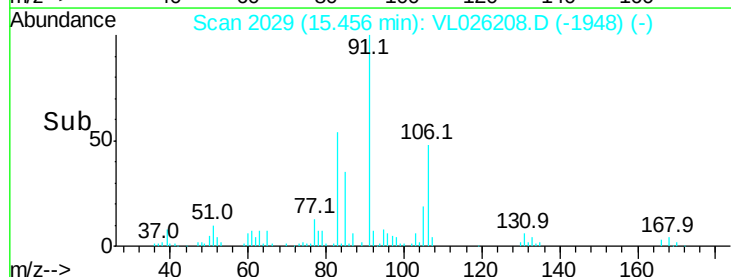
15.46

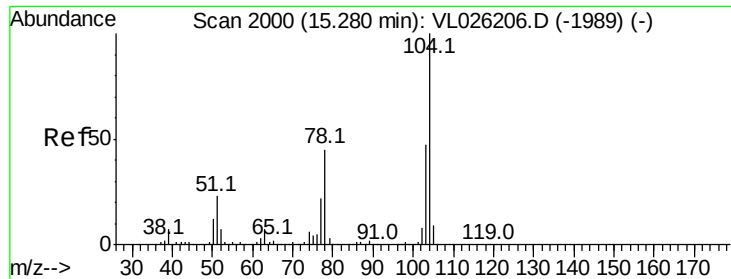
100000

50000

0

Time-->





#61

Styrene

Concen: 1.22 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

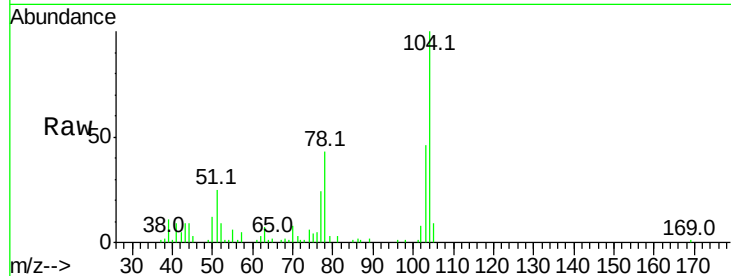
Tgt Ion:104 Resp: 133977

Ion Ratio Lower Upper

104 100

78 44.9 35.6 53.4

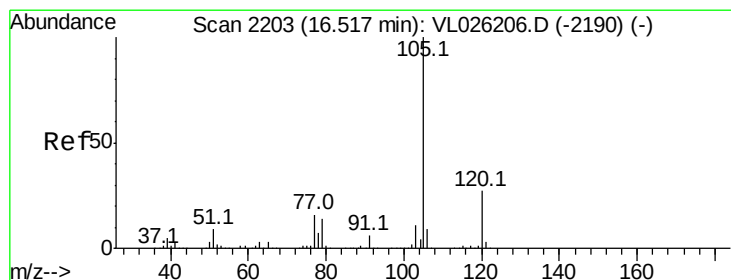
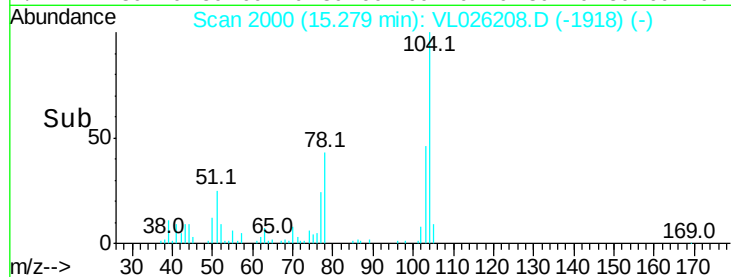
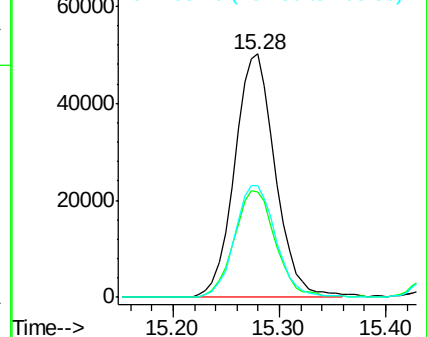
103 46.9 37.1 55.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.23 ppbv

RT: 16.50 min Scan# 2201

Delta R.T. -0.01 min

Lab File: VL026208.D

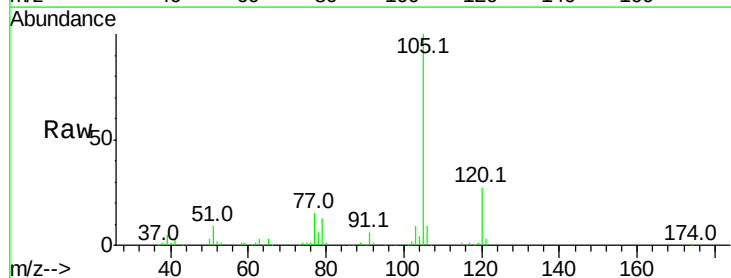
Acq: 20 Oct 2015 11:54

Tgt Ion:105 Resp: 435658

Ion Ratio Lower Upper

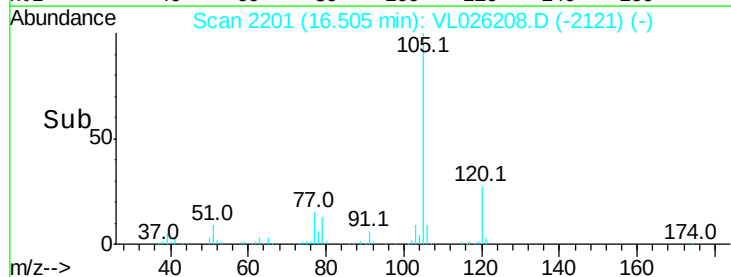
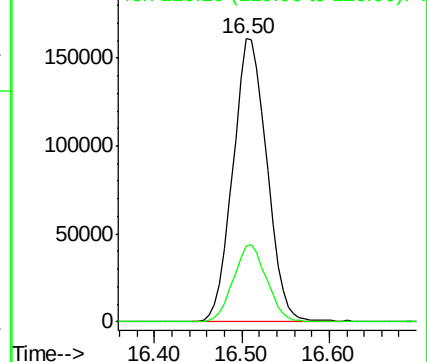
105 100

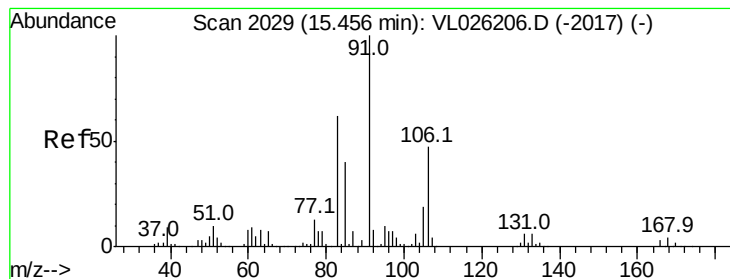
120 26.8 21.8 32.6



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: 1.01 ppbv

RT: 15.44 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

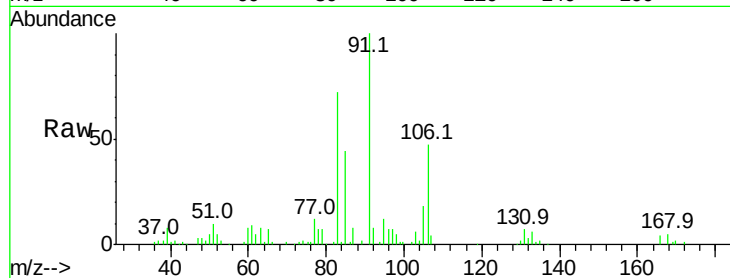
Tgt Ion: 83 Resp: 199445

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

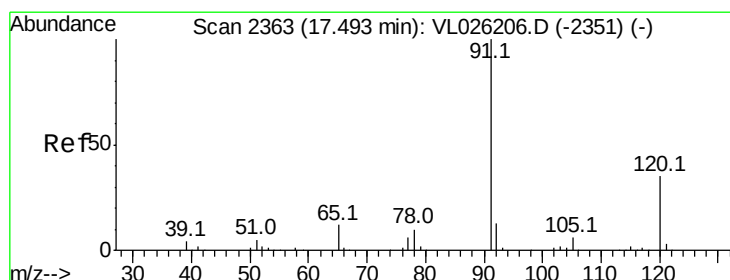
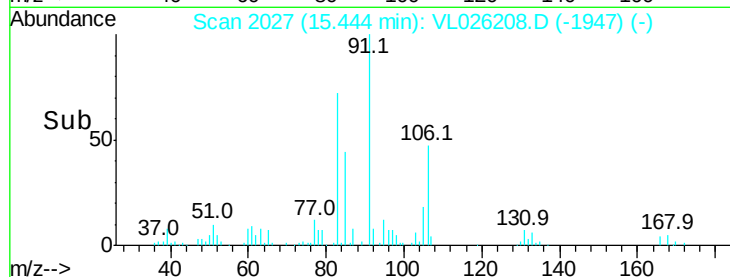
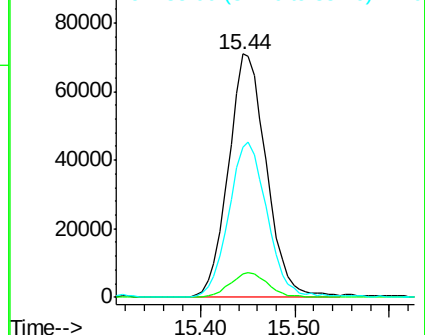
85 64.5 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 1.23 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. -0.01 min

Lab File: VL026208.D

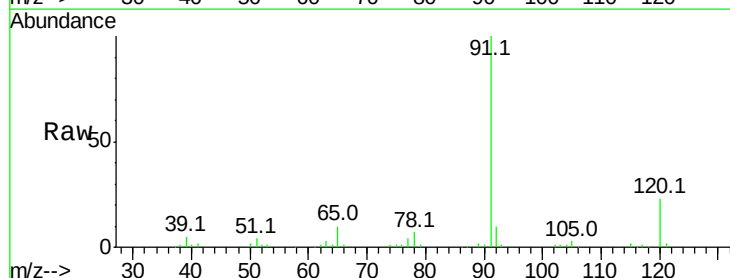
Acq: 20 Oct 2015 11:54

Tgt Ion: 120 Resp: 117666

Ion Ratio Lower Upper

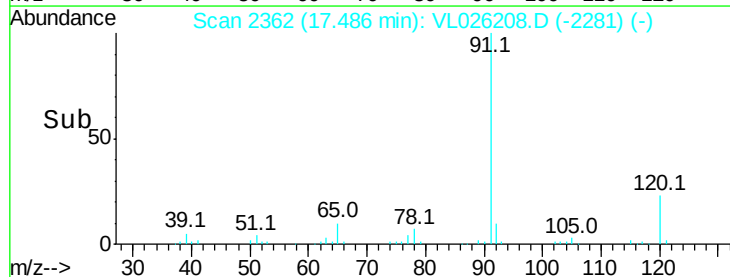
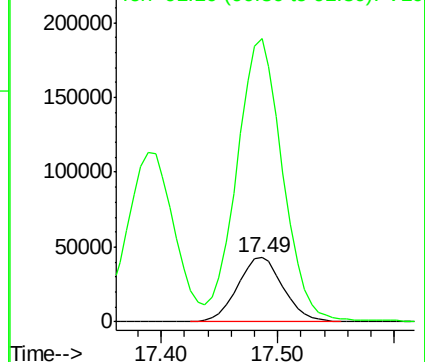
120 100

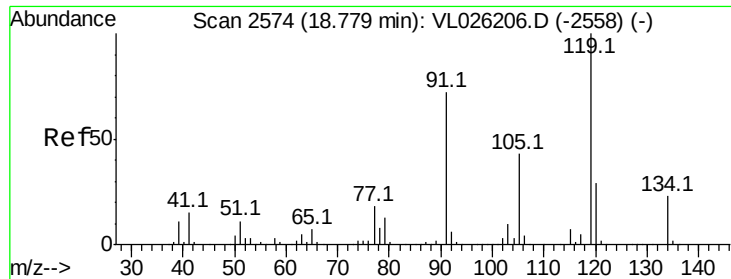
91 436.4 332.1 498.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

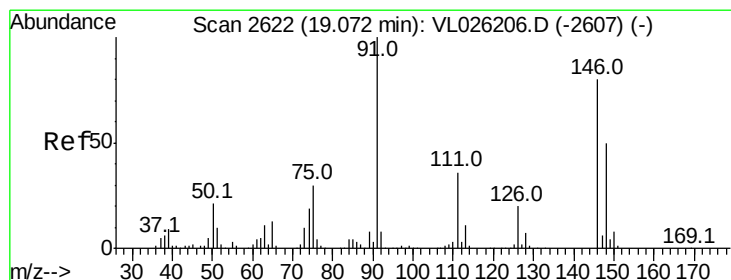
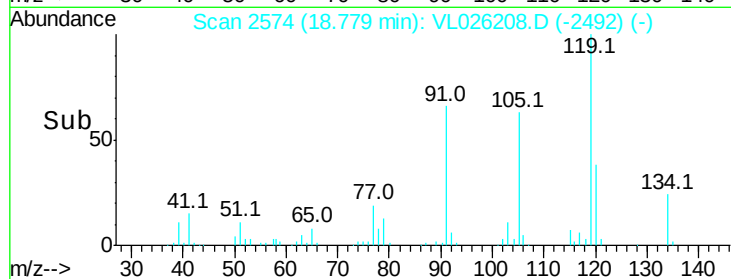
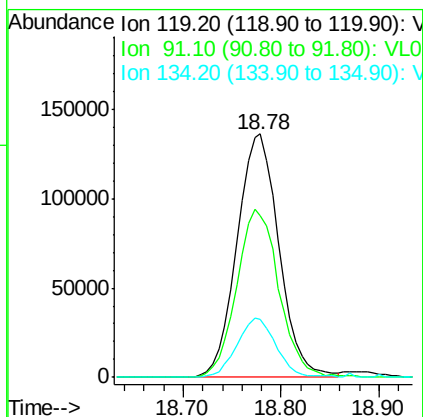
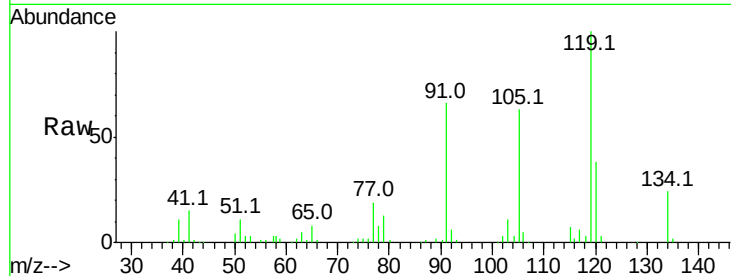




#65
 tert-Butylbenzene
 Concen: 1.30 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

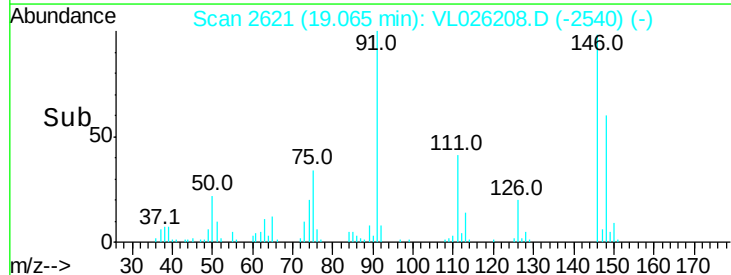
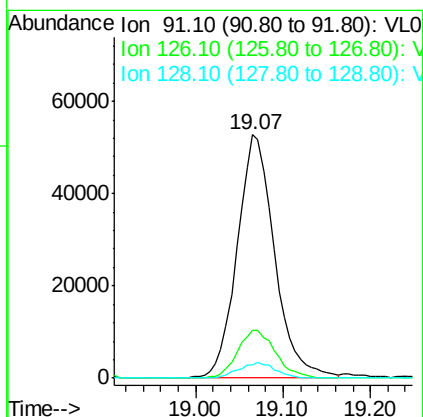
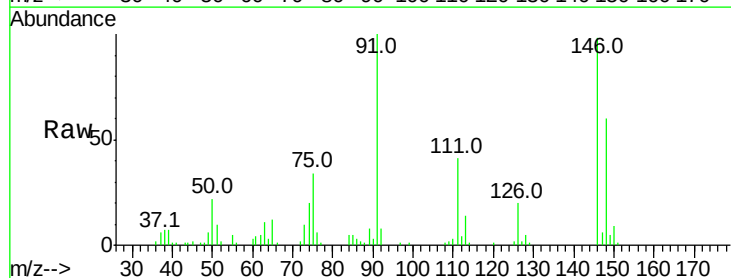
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

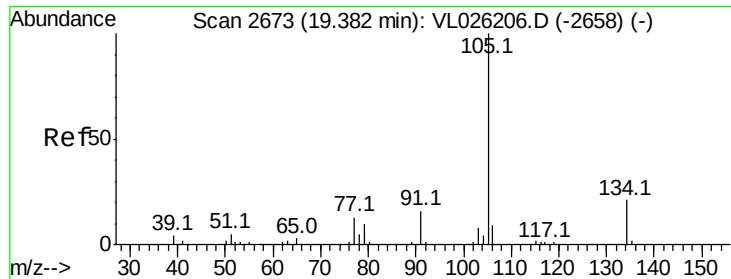
Tgt Ion: 119 Resp: 407335
 Ion Ratio Lower Upper
 119 100
 91 69.8 57.6 86.4
 134 22.9 17.8 26.6



#66
 Benzyl Chloride
 Concen: 1.60 ppbv
 RT: 19.07 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 91 Resp: 157119
 Ion Ratio Lower Upper
 91 100
 126 19.8 16.1 24.1
 128 6.1 5.1 7.7

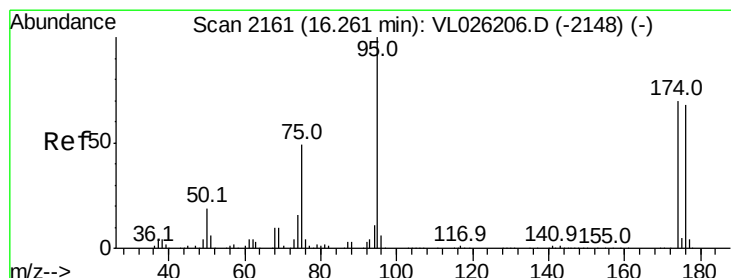
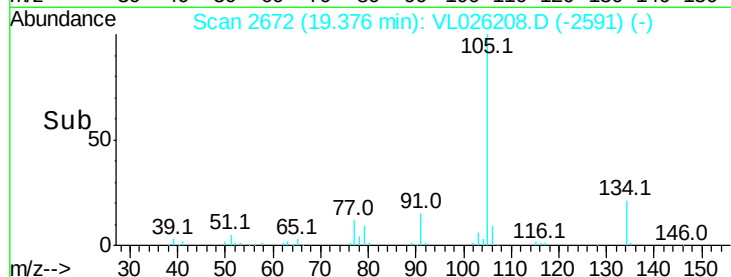
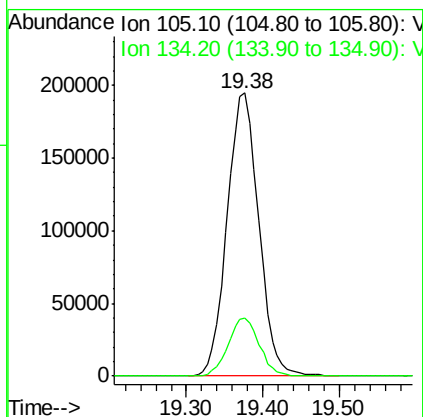
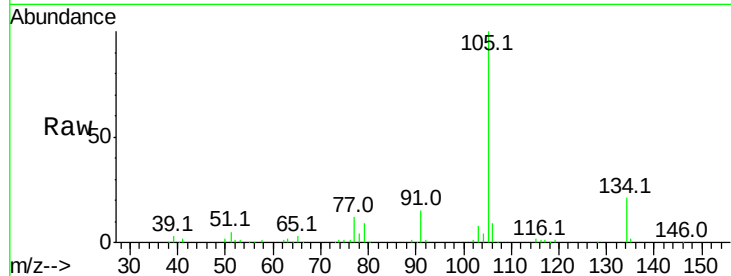




#67
 sec-Butylbenzene
 Concen: 1.28 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

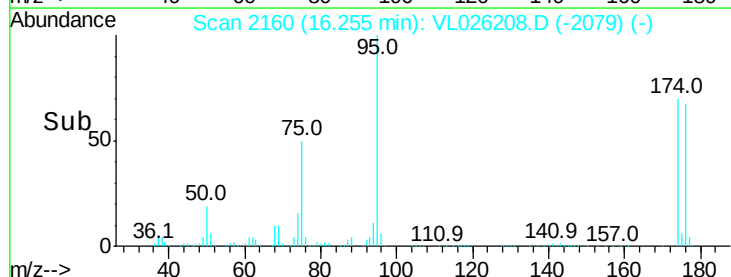
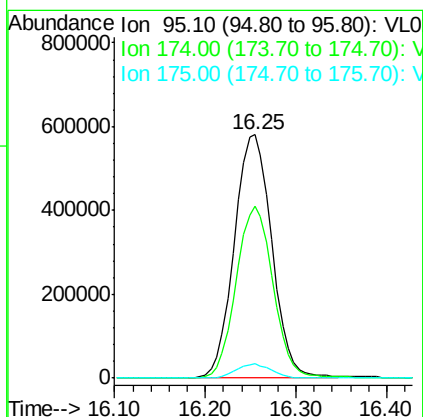
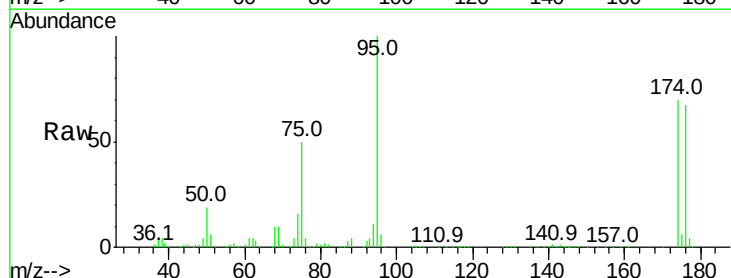
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

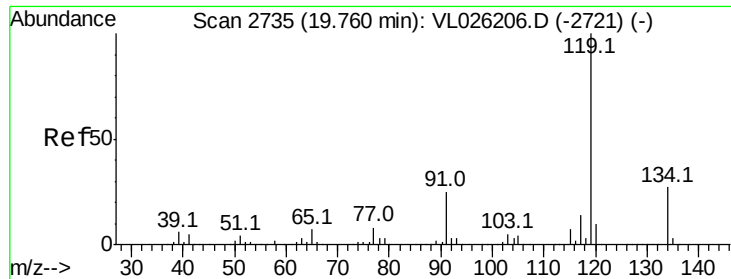
Tgt Ion: 105 Resp: 558780
 Ion Ratio Lower Upper
 105 100
 134 20.2 16.3 24.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.11 ppbv
 RT: 16.25 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 95 Resp: 1680040
 Ion Ratio Lower Upper
 95 100
 174 70.0 56.2 84.2
 175 5.5 4.3 6.5

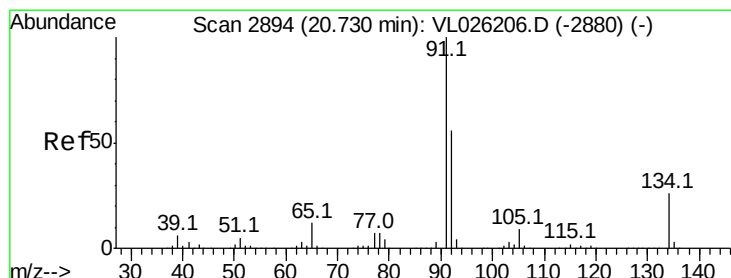
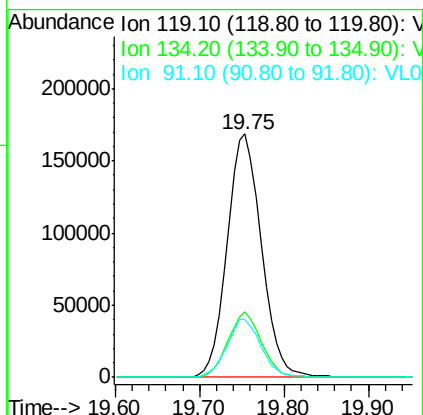
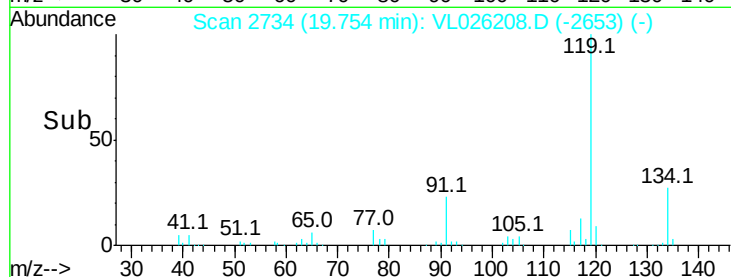
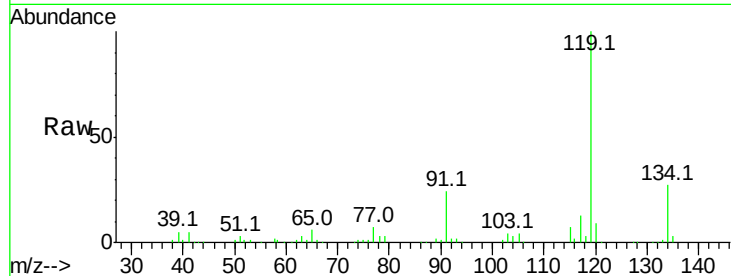




#69
p-Isopropyltoluene
Concen: 1.33 ppbv
RT: 19.75 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

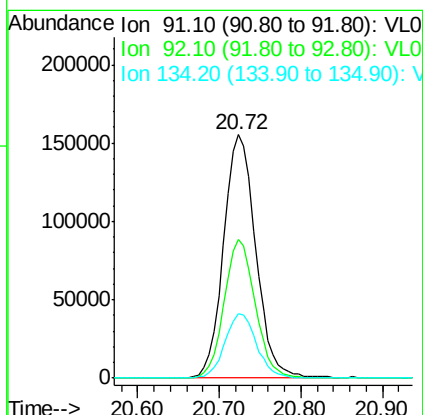
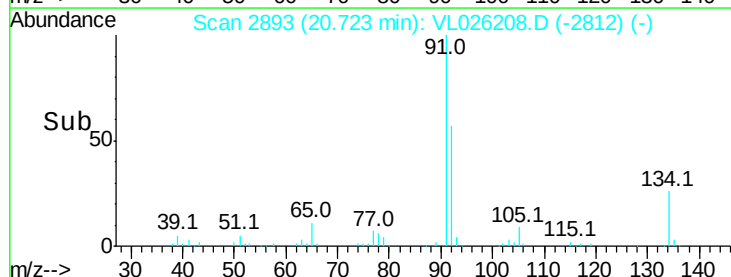
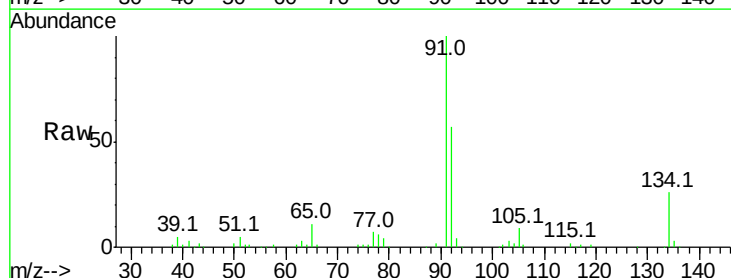
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

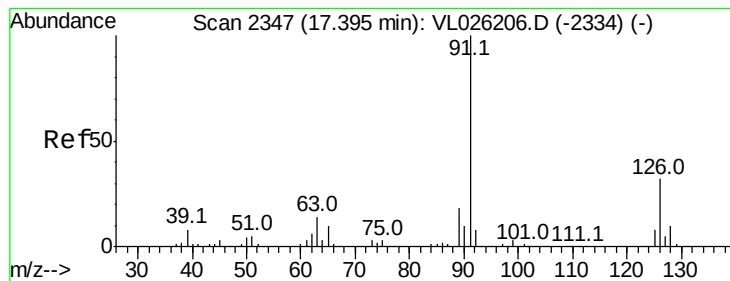
Tgt Ion: 119 Resp: 466587
Ion Ratio Lower Upper
119 100
134 26.1 21.4 32.0
91 23.7 19.8 29.8



#70
n-Butylbenzene
Concen: 1.27 ppbv
RT: 20.72 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 91 Resp: 423055
Ion Ratio Lower Upper
91 100
92 55.1 44.7 67.1
134 26.0 21.1 31.7

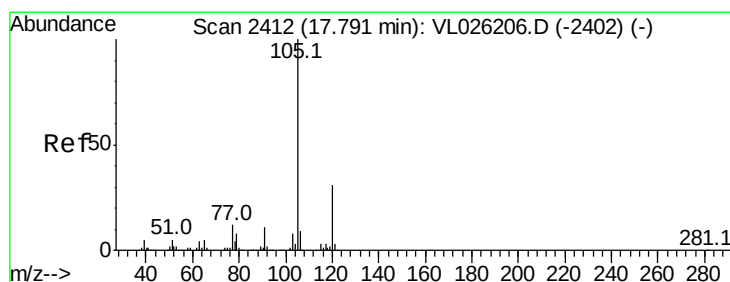
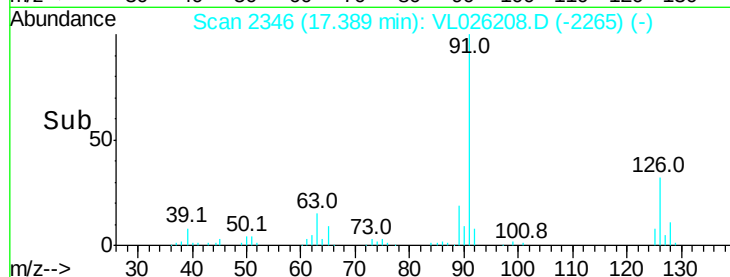
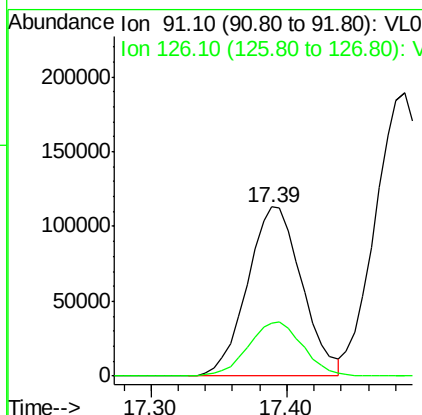
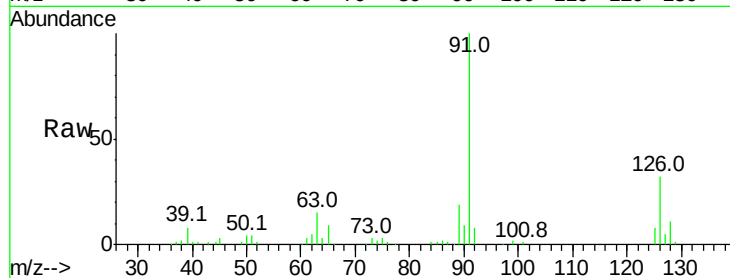




#71
 2-Chlorotoluene
 Concen: 1.23 ppbv
 RT: 17.39 min Scan# 2346
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

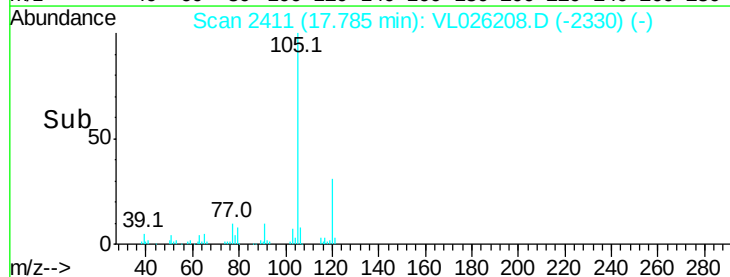
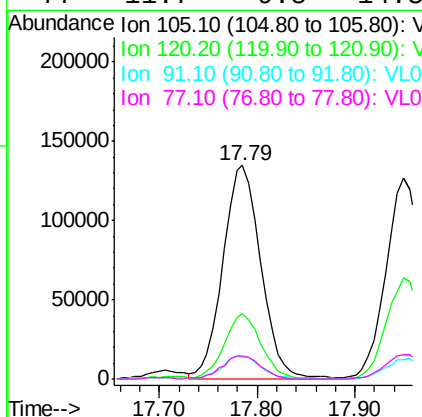
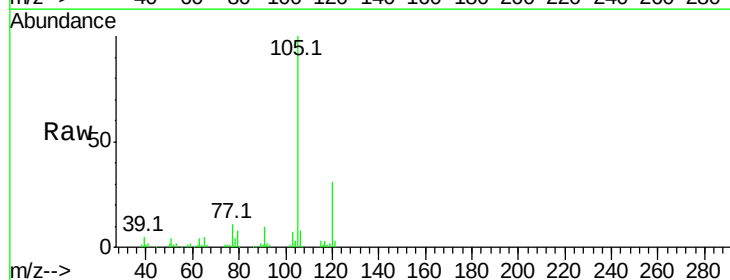
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

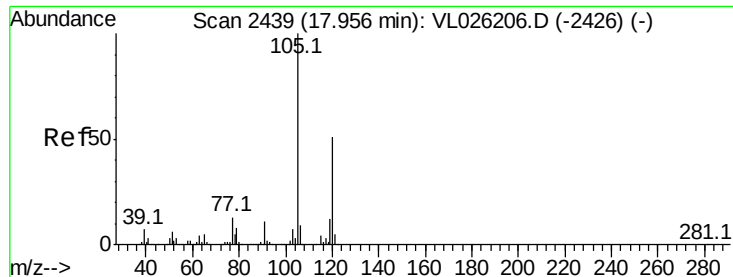
Tgt Ion: 91 Resp: 317534
 Ion Ratio Lower Upper
 91 100
 126 32.1 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 1.26 ppbv
 RT: 17.79 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 105 Resp: 360744
 Ion Ratio Lower Upper
 105 100
 120 31.0 25.2 37.8
 91 12.0 9.2 13.8
 77 11.7 9.5 14.3





#73

1,3,5-Trimethylbenzene

Concen: 1.25 ppbv

RT: 17.95 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

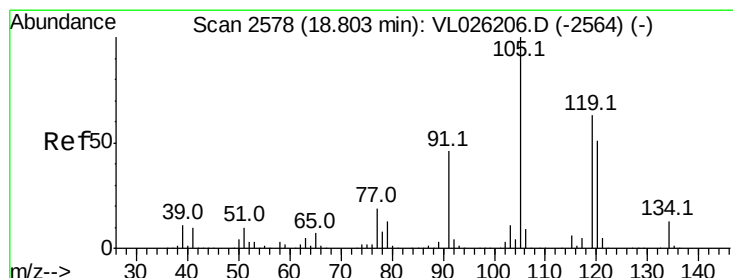
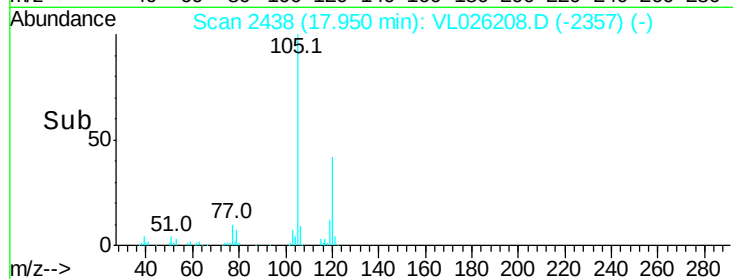
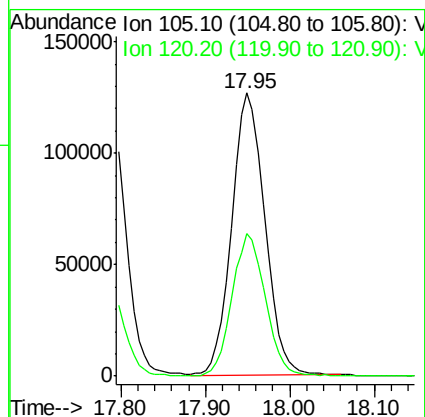
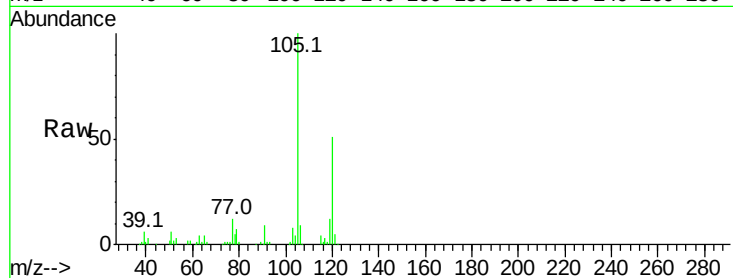
VSTDIC001

Tgt Ion:105 Resp: 337270

Ion Ratio Lower Upper

105 100

120 50.8 40.3 60.5



#74

1,2,4-Trimethylbenzene

Concen: 1.28 ppbv

RT: 18.79 min Scan# 2576

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:105 Resp: 360857

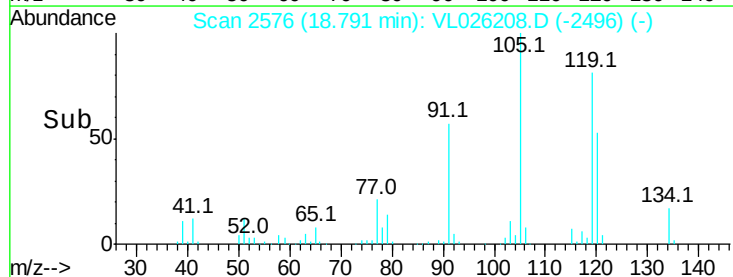
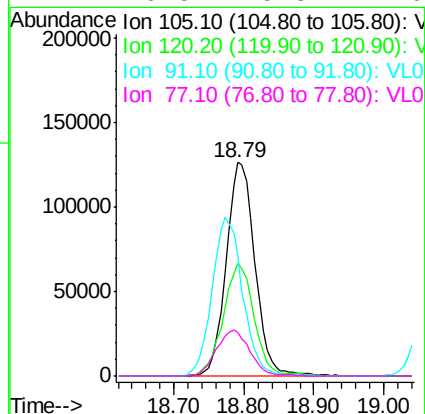
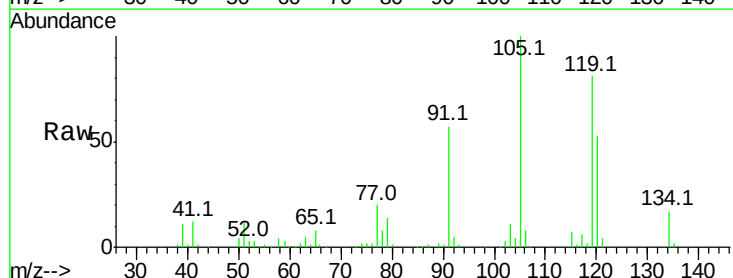
Ion Ratio Lower Upper

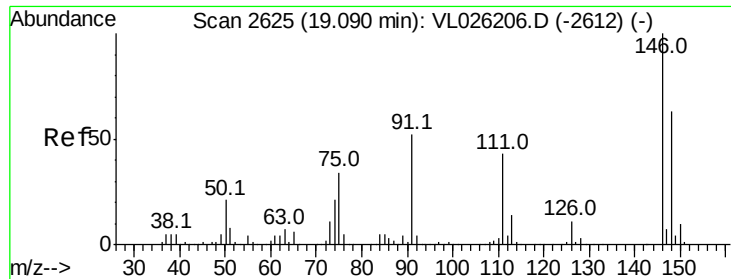
105 100

120 52.9 40.5 60.7

91 56.6 37.4 56.0#

77 20.5 15.3 22.9





#75

1,3-Dichlorobenzene

Concen: 1.29 ppbv

RT: 19.08 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

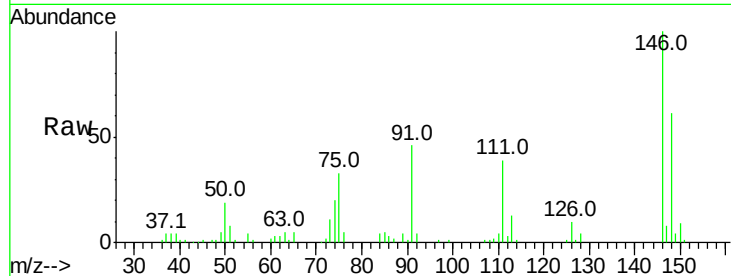
Tgt Ion:146 Resp: 234074

Ion Ratio Lower Upper

146 100

111 41.4 21.6 65.0

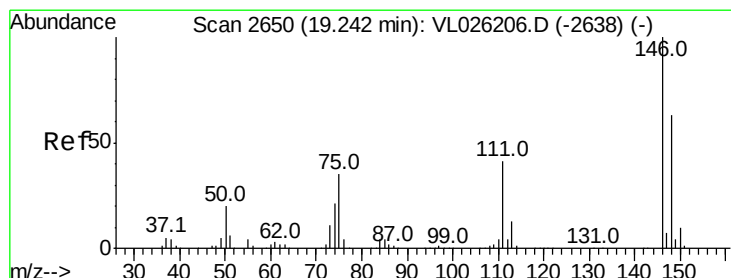
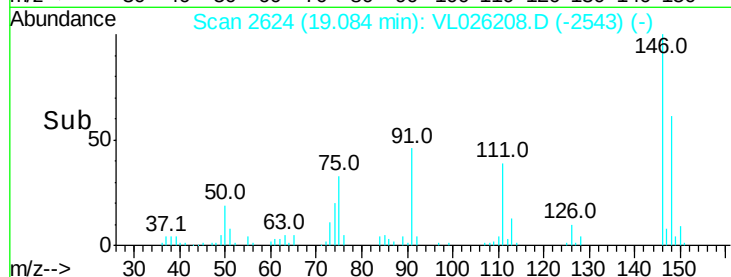
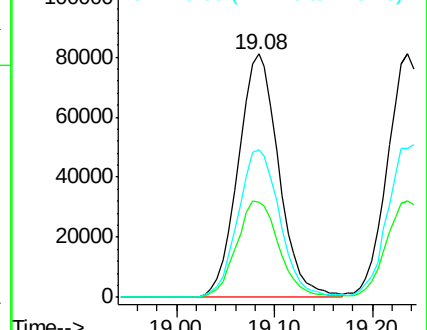
148 62.6 31.7 95.1



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: 1.28 ppbv

RT: 19.24 min Scan# 2649

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

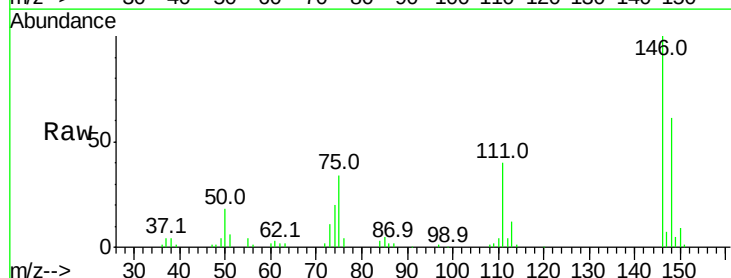
Tgt Ion:146 Resp: 235613

Ion Ratio Lower Upper

146 100

111 41.3 20.9 62.8

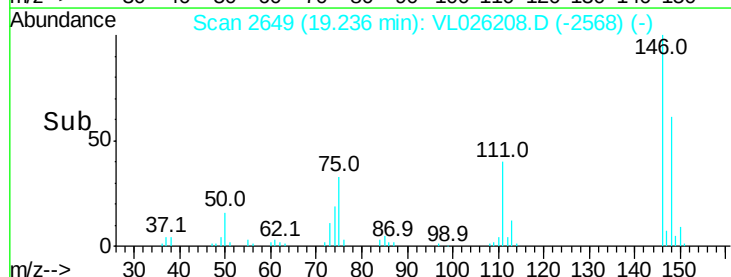
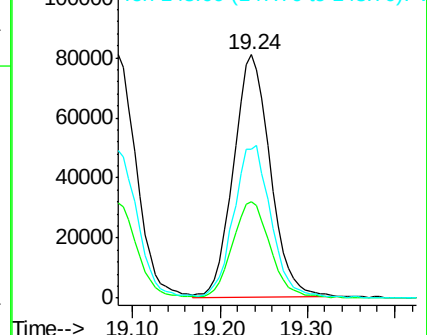
148 64.5 32.0 96.2

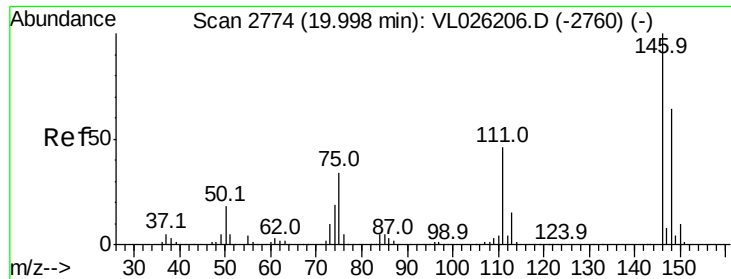


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

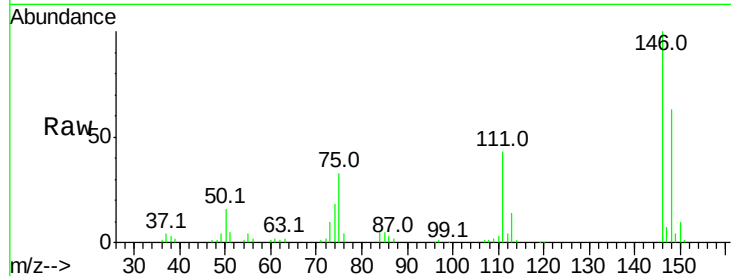




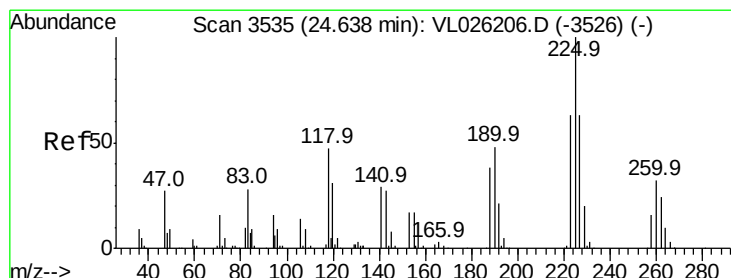
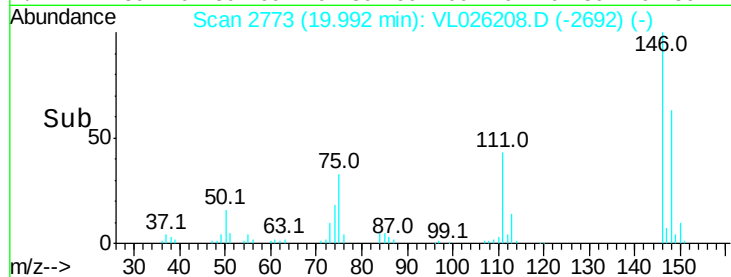
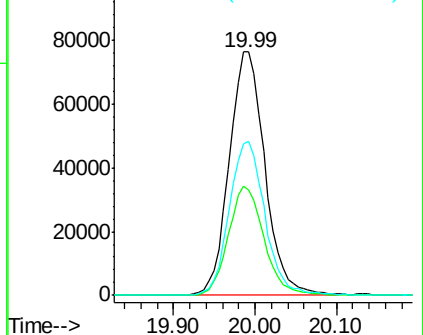
#77
 1,2-Dichlorobenzene
 Concen: 1.30 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:146 Resp: 231612
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.6 67.8
 148 63.1 32.0 96.2

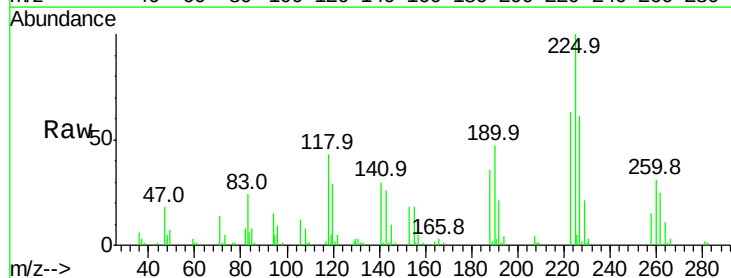


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

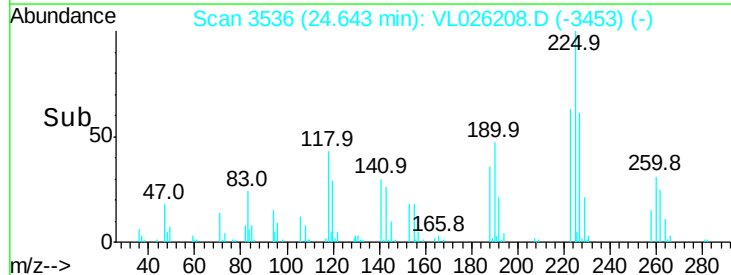
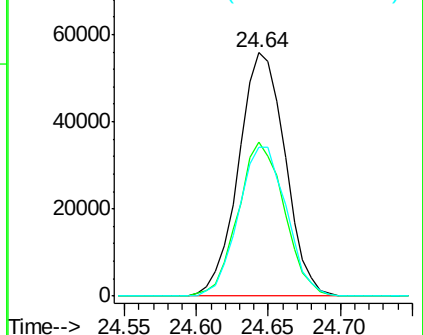


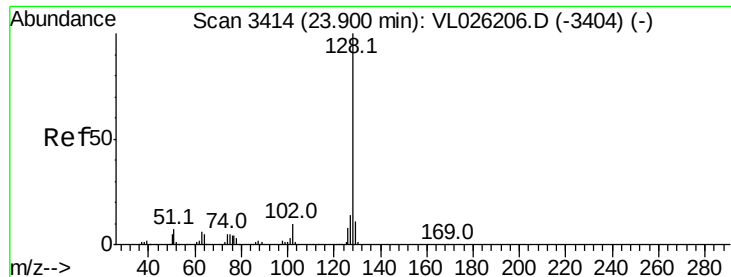
#78
 Hexachloro-1,3-Butadiene
 Concen: 1.95 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion:225 Resp: 125093
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.7 76.1
 227 63.3 50.2 75.2



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: 1.91 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

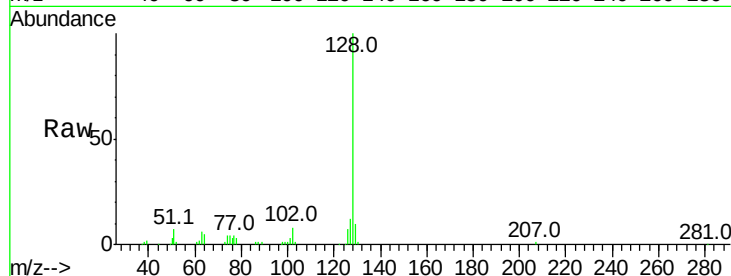
Tgt Ion:128 Resp: 301804

Ion Ratio Lower Upper

128 100

127 12.3 11.0 16.6

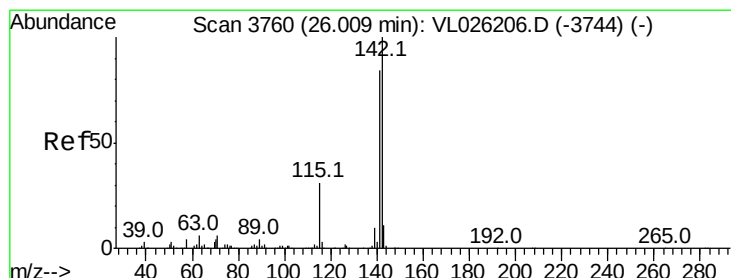
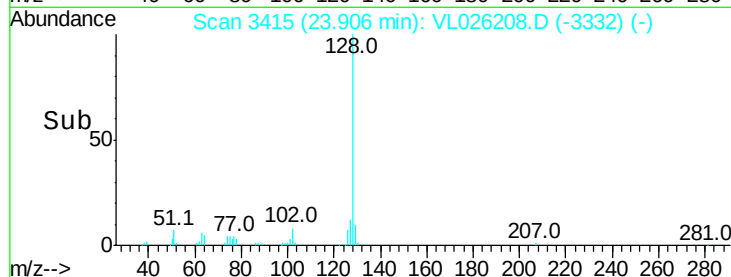
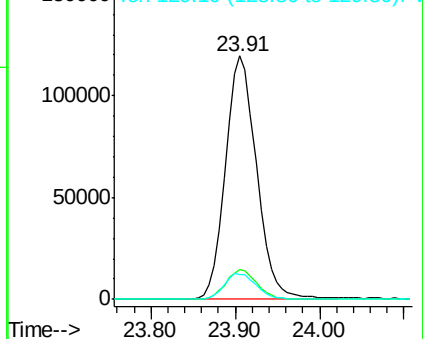
129 10.4 8.7 13.1



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: 0.90 ppbv

RT: 26.02 min Scan# 3762

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

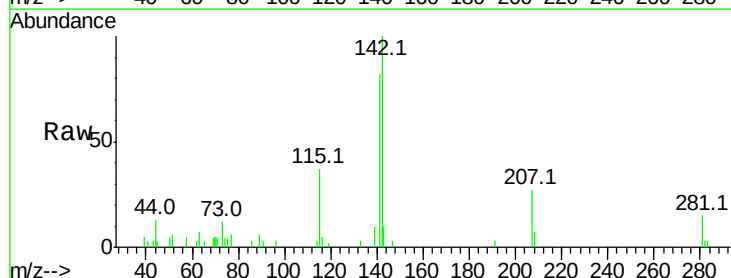
Tgt Ion:142 Resp: 43312

Ion Ratio Lower Upper

142 100

141 85.3 66.7 100.1

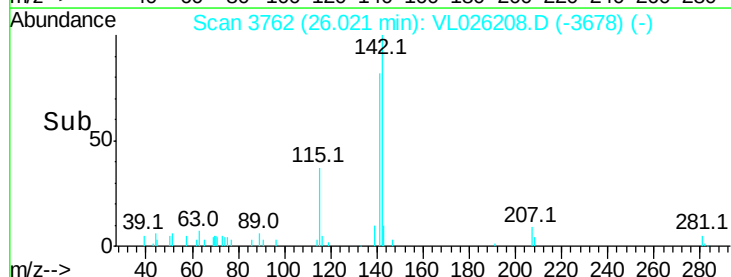
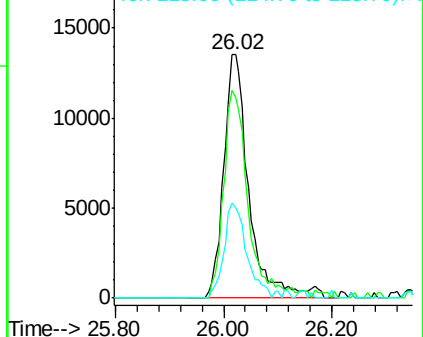
115 37.5 25.0 37.4#

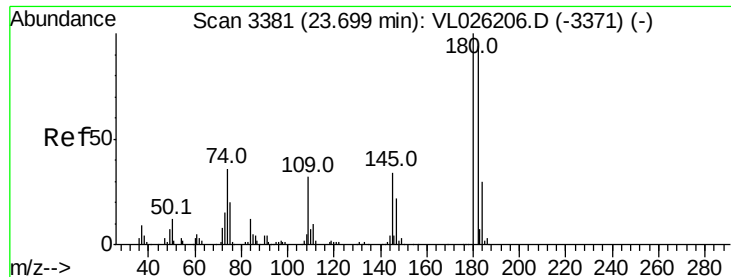


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

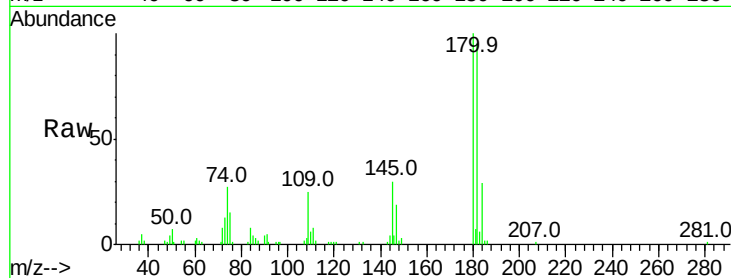




#81
 1,2,4-Trichlorobenzene
 Concen: 1.90 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
184	30.1	24.4	36.6



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

