

Data Path : W:\HPCHEM1\MSVOA_L\Data\vl102115\
 Data File : VL026233.D
 Acq On : 21 Oct 2015 9:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 21 11:08:01 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	507462	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.30	114	1571095	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	2354656	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	1504186	8.28	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.62	85	1095069	10.41	ppbv	100
3) Chlorodifluoromethane	3.55	51	641029	9.98	ppbv	100
4) Chloromethane	3.73	50	356301	10.28	ppbv	100
5) Vinyl Chloride	3.87	62	376705	10.33	ppbv	100
6) Bromomethane	4.12	94	274027	10.46	ppbv	96
7) Chloroethane	4.21	64	160464	10.48	ppbv	95
8) Dichlorotetrafluoroethane	3.78	85	903847	10.00	ppbv	100
9) Propene	3.57	41	289424	9.62	ppbv	100
10) Heptane	9.32	43	1016298	10.09	ppbv	98
11) Trichlorofluoromethane	4.67	101	1092540	10.59	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.28	101	738685	10.49	ppbv	99
13) Ethanol	4.31	45	35888	7.95	ppbv	96
14) Bromoethene	4.43	108	310514	10.45	ppbv	99
15) Acetone	4.58	43	649814	8.70	ppbv	99
16) 1,3-Butadiene	3.95	39	337266	10.12	ppbv	100
17) tert-Butyl alcohol	5.10	59	609621	11.94	ppbv	100
18) 1,1-Dichloroethene	5.06	96	340486	10.71	ppbv	99
19) Isopropyl Alcohol	4.73	45	313766	10.74	ppbv	91
20) Methylene Chloride	5.12	84	305338	10.24	ppbv	98
21) Allyl Chloride	5.20	41	519800	10.66	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	427687	10.43	ppbv	96
23) Vinyl Acetate	5.96	43	1387942	10.08	ppbv	99
24) 1,1-Dichloroethane	5.88	63	888448	10.23	ppbv	100
25) Ethyl Acetate	6.64	43	1401580	10.01	ppbv	100
26) Hexane	6.63	57	686973	9.82	ppbv	99
27) Carbon Disulfide	5.36	76	966296	10.80	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1287010	10.12	ppbv	100
29) Chloroform	6.72	83	1044456	10.28	ppbv	99
30) Cyclohexane	8.25	84	701684	10.02	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	660277	10.39	ppbv	100
32) 1,1,1-Trichloroethane	7.57	97	1116135	9.91	ppbv	100
34) 2-Butanone	6.17	43	868918	9.79	ppbv	99
35) Carbon Tetrachloride	8.13	117	1160444	9.70	ppbv	98
36) Benzene	7.99	78	1567876	9.80	ppbv	99
37) 1,2-Dichloroethane	7.34	62	844099	10.26	ppbv	100
38) Trichloroethene	9.03	130	654263	8.43	ppbv	99
39) 1,2-Dichloropropane	8.79	63	563894	10.02	ppbv	99
40) 1,4-Dioxane	9.09	88	113632	10.74	ppbv #	35
41) Tetrahydrofuran	7.09	42	516506	10.05	ppbv	99
42) Bromodichloromethane	8.99	83	1190200	10.06	ppbv	98
43) Methyl Methacrylate	9.24	69	604202	10.37	ppbv	98

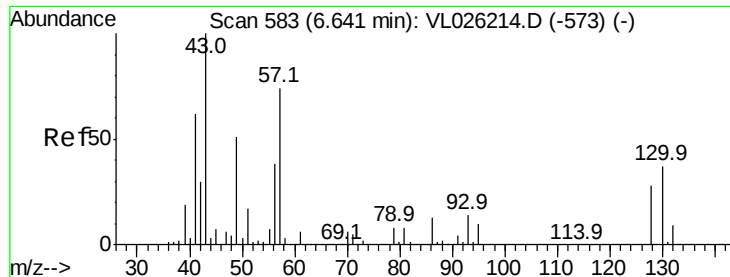
Data Path : W:\HPCHEM1\MSVOA_L\Data\vl102115\
 Data File : VL026233.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2470930	9.54	ppbv	100
45) t-1,3-Dichloropropene	10.62	75	962068	10.59	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	1101215	10.35	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	717908	10.15	ppbv	99
48) Dibromochloromethane	11.77	129	1177204	10.22	ppbv	100
49) Bromoform	14.78	173	981907	10.09	ppbv	100
50) 4-Methyl-2-Pentanone	10.06	43	1242905	10.37	ppbv	100
51) 2-Hexanone	11.59	43	1211263	10.82	ppbv #	99
52) Tetrachloroethene	12.76	164	732695	7.98	ppbv	99
53) Toluene	11.20	91	2142656	9.85	ppbv	100
54) 1,2-Dibromoethane	12.11	107	1102972	10.08	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	840471	7.44	ppbv	99
57) Chlorobenzene	13.78	112	1761465	7.82	ppbv	100
58) Ethyl Benzene	14.38	91	3069468	8.04	ppbv	99
59) m/p-Xylene	14.68	91	4682796	15.67	ppbv	100
60) o-Xylene	15.46	91	2405182	7.70	ppbv	99
61) Styrene	15.28	104	1209590	8.56	ppbv	100
62) Isopropylbenzene	16.51	105	3423088	7.88	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1571964	7.61	ppbv	99
64) n-propylbenzene	17.49	120	952555	7.97	ppbv	92
65) tert-Butylbenzene	18.77	119	2974097	7.50	ppbv	100
66) Benzyl Chloride	19.07	91	1358693	8.30	ppbv	100
67) sec-Butylbenzene	19.37	105	4312338	7.80	ppbv	100
69) p-Isopropyltoluene	19.75	119	3592076	7.77	ppbv	100
70) n-Butylbenzene	20.72	91	3358103	7.95	ppbv	100
71) 2-Chlorotoluene	17.39	91	2582249	8.07	ppbv	100
72) 4-Ethyltoluene	17.79	105	2948764	8.11	ppbv	100
73) 1,3,5-Trimethylbenzene	17.95	105	2712658	8.01	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2638779	7.51	ppbv	99
75) 1,3-Dichlorobenzene	19.08	146	1783762	7.77	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1874173	7.82	ppbv	100
77) 1,2-Dichlorobenzene	19.99	146	1809623	7.82	ppbv	100
78) Hexachloro-1,3-Butadiene	24.64	225	769212	6.48	ppbv	99
79) Naphthalene	23.89	128	2447415	7.91	ppbv	99
80) Naphthalene,2-methyl-	26.00	142	418632	7.53	ppbv	98
81) 1,2,4-Trichlorobenzene	23.70	180	1115118	7.49	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

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VSTDCCC010

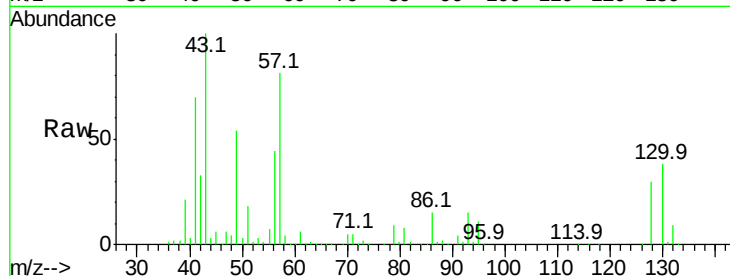
Tgt Ion: 49 Resp: 507462

Ion Ratio Lower Upper

49 100

128 55.4 28.2 84.7

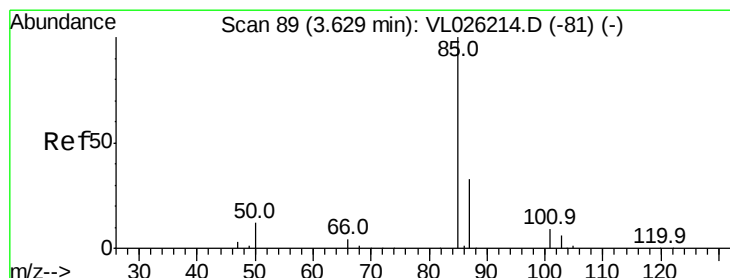
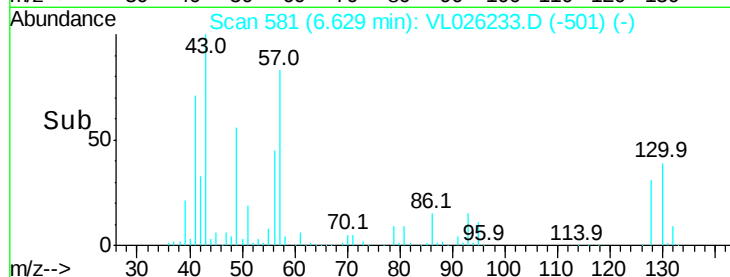
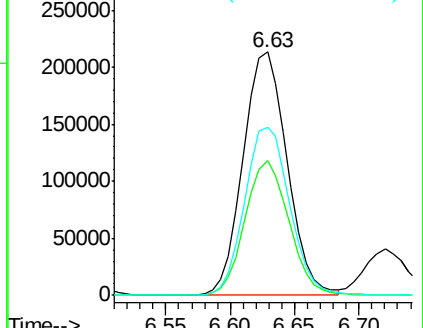
130 70.9 36.0 108.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.41 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026233.D

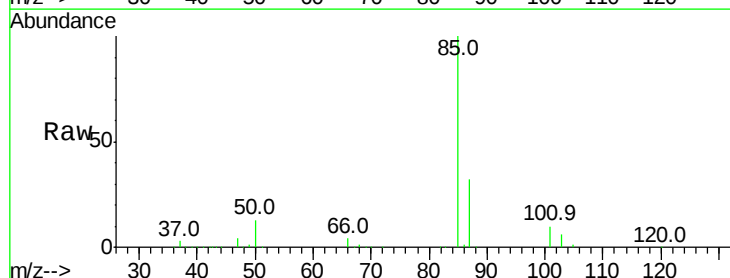
Acq: 21 Oct 2015 9:44

Tgt Ion: 85 Resp: 1095069

Ion Ratio Lower Upper

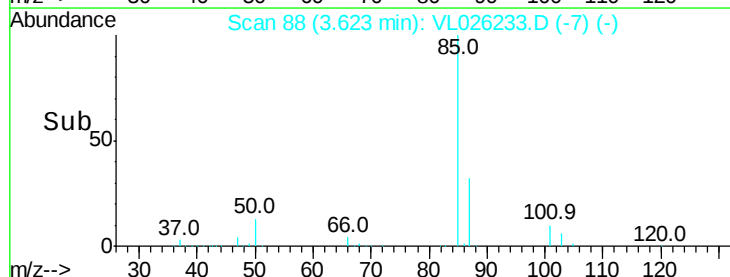
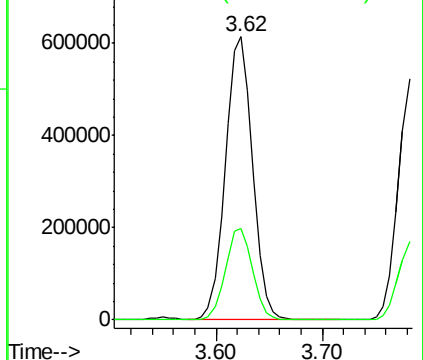
85 100

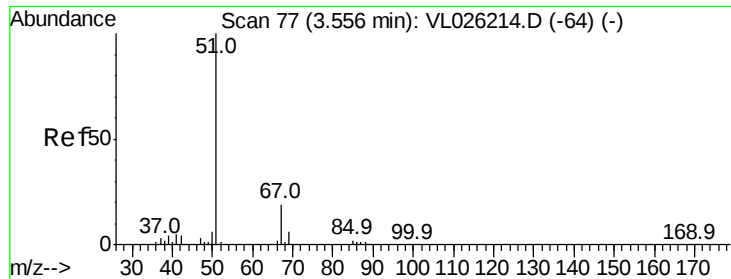
87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.98 ppbv

RT: 3.55 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

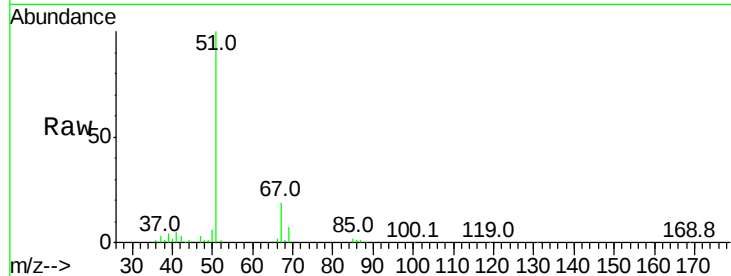
VSTDCCC010

Tgt Ion: 51 Resp: 641029

Ion Ratio Lower Upper

51 100

67 19.2 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.55

400000

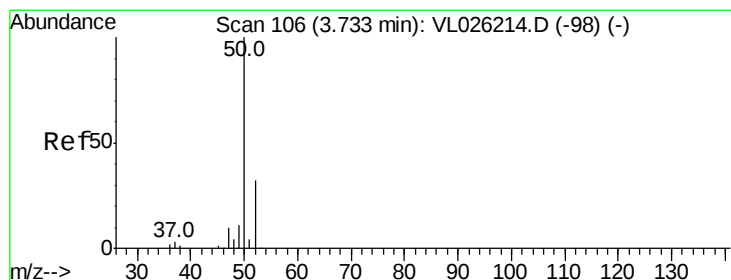
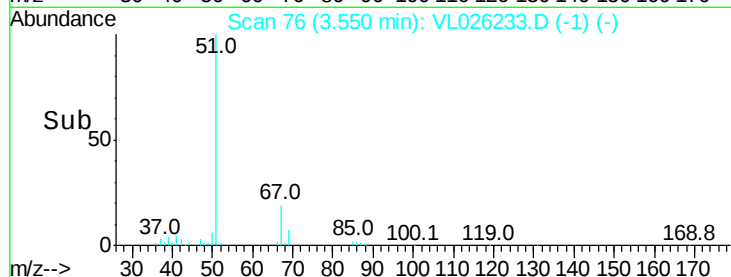
300000

200000

100000

0

Time--> 3.40 3.50 3.60 3.70



#4

Chloromethane

Concen: 10.28 ppbv

RT: 3.73 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL026233.D

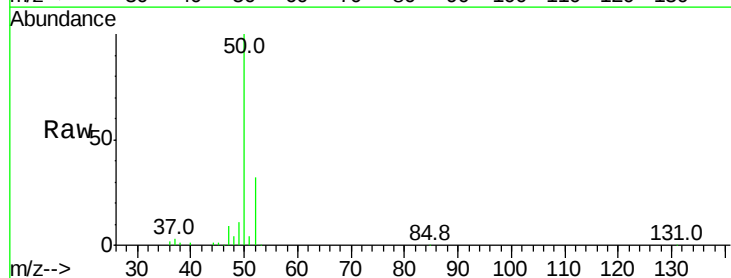
Acq: 21 Oct 2015 9:44

Tgt Ion: 50 Resp: 356301

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.73

200000

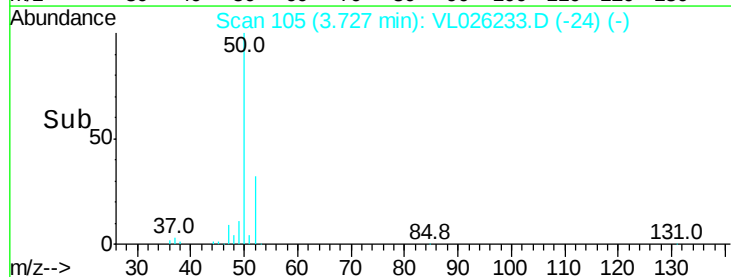
150000

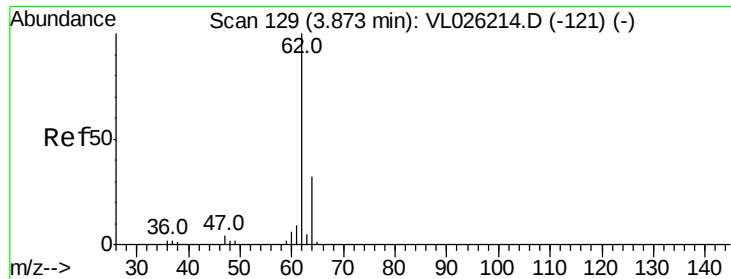
100000

50000

0

Time--> 3.65 3.70 3.75





#5

Vinyl Chloride

Concen: 10.33 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

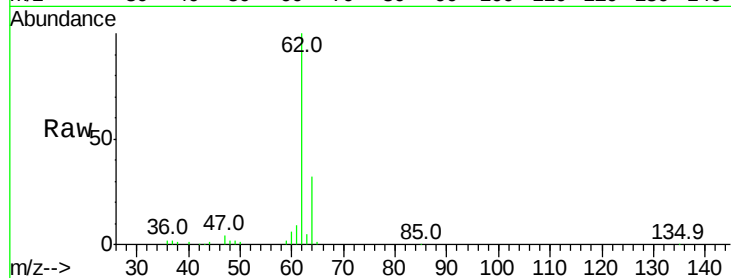
VSTDCCC010

Tgt Ion: 62 Resp: 376705

Ion Ratio Lower Upper

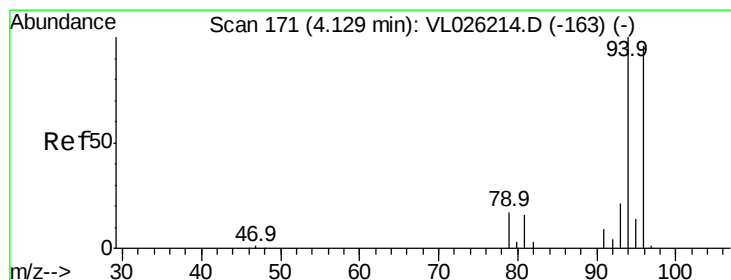
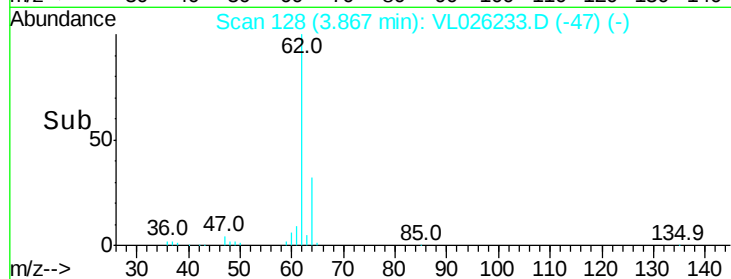
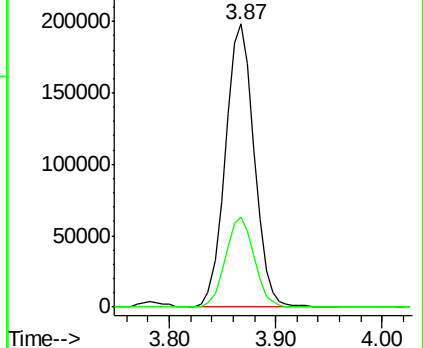
62 100

64 31.9 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: 10.46 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026233.D

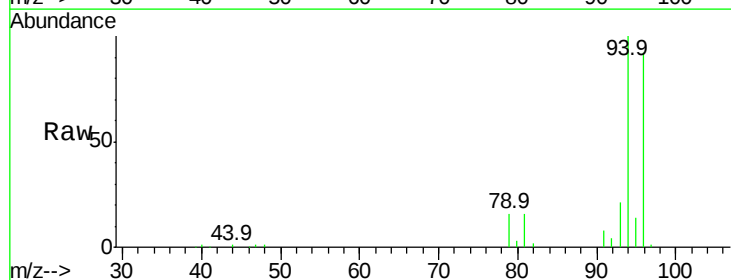
Acq: 21 Oct 2015 9:44

Tgt Ion: 94 Resp: 274027

Ion Ratio Lower Upper

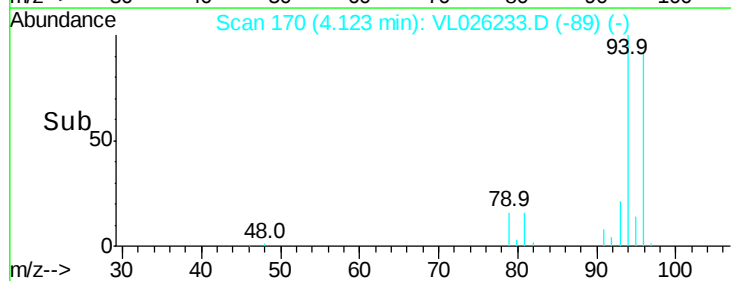
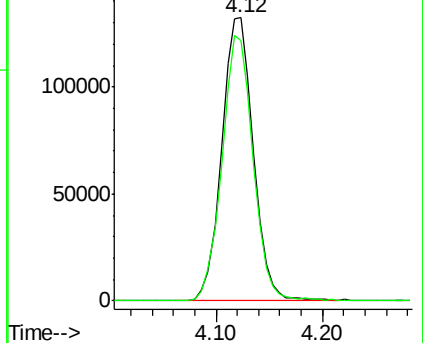
94 100

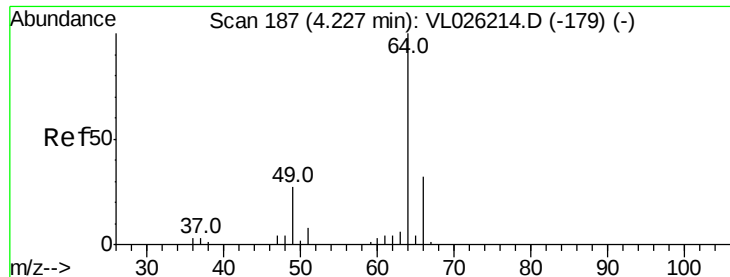
96 92.1 76.5 114.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.48 ppbv

RT: 4.21 min Scan# 185

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

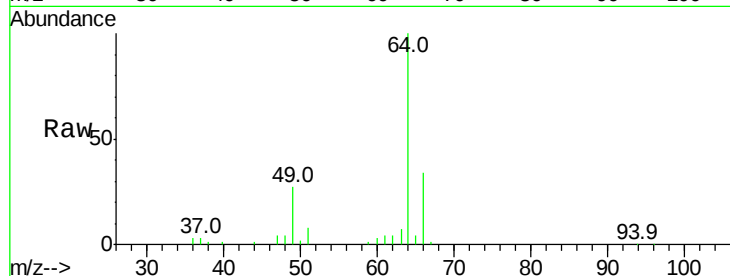
VSTDCCC010

Tgt Ion: 64 Resp: 160464

Ion Ratio Lower Upper

64 100

66 34.2 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.21

80000

60000

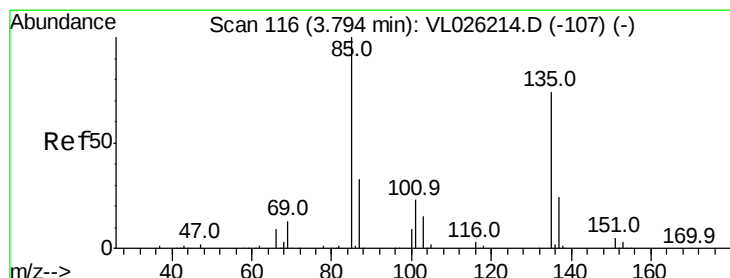
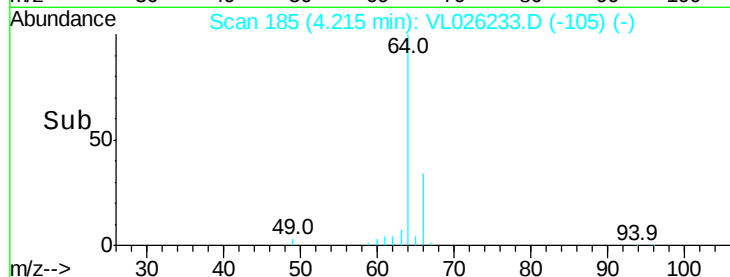
40000

20000

0

4.15 4.20 4.25 4.30

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.00 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL026233.D

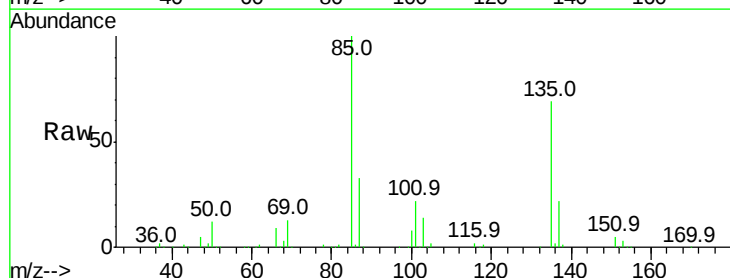
Acq: 21 Oct 2015 9:44

Tgt Ion: 85 Resp: 903847

Ion Ratio Lower Upper

85 100

135 72.1 57.8 86.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.78

600000

500000

400000

300000

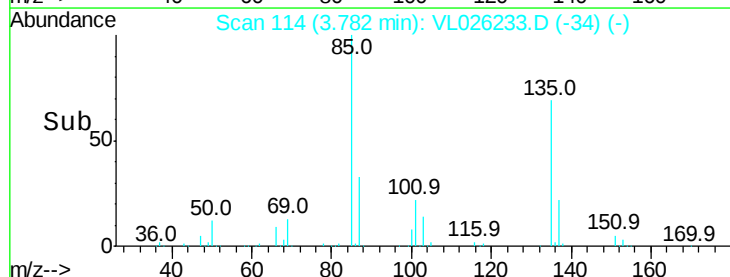
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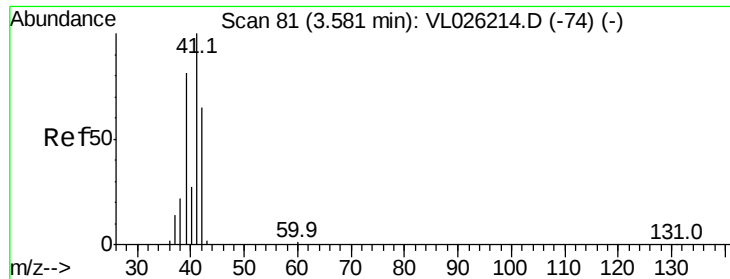
100000

0

3.70 3.75 3.80 3.85

Time-->





#9

Propene

Concen: 9.62 ppbv

RT: 3.57 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

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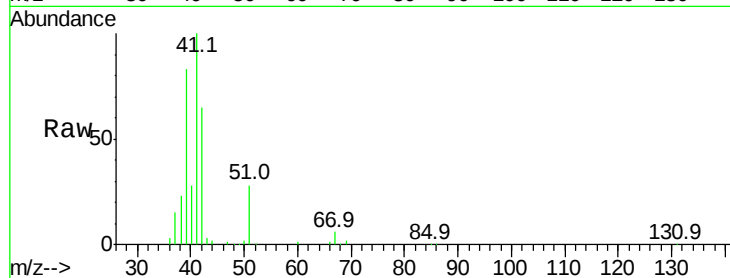
VSTDCCC010

Tgt Ion: 41 Resp: 289424

Ion Ratio Lower Upper

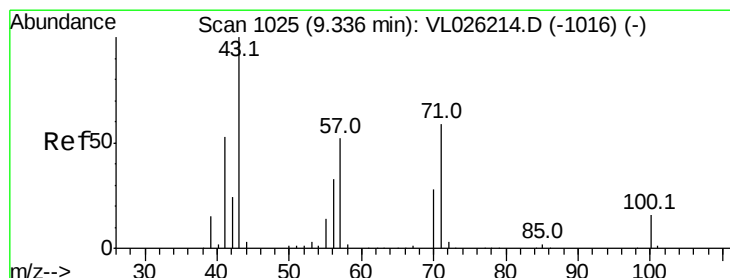
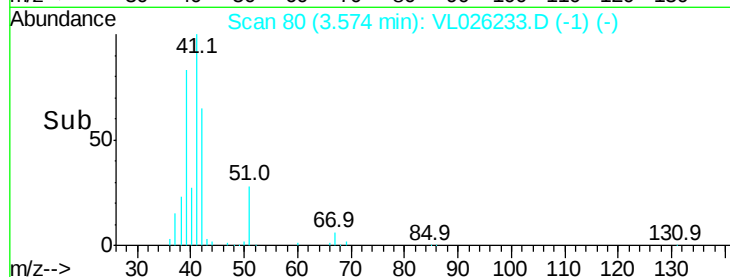
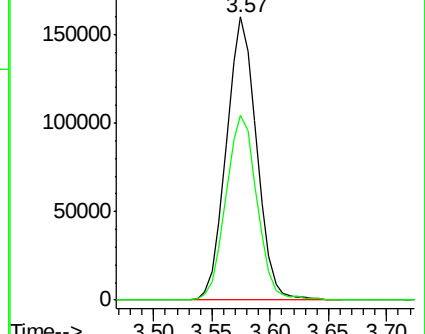
41 100

42 66.9 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: 10.09 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026233.D

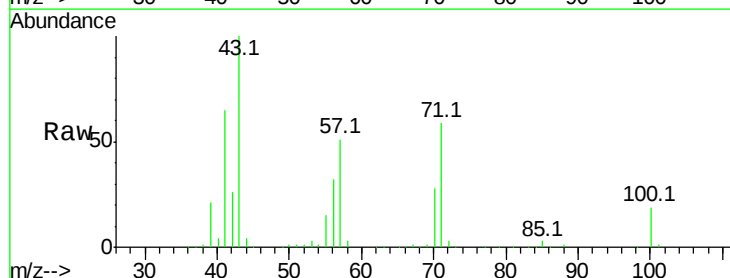
Acq: 21 Oct 2015 9:44

Tgt Ion: 43 Resp: 1016298

Ion Ratio Lower Upper

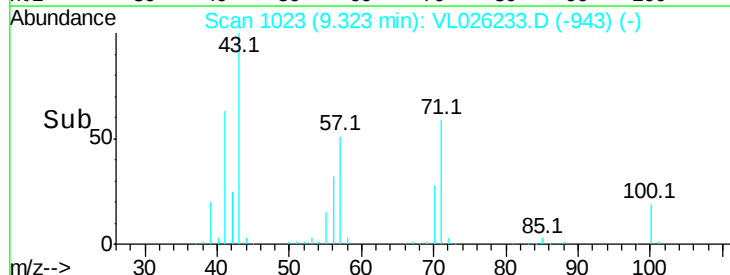
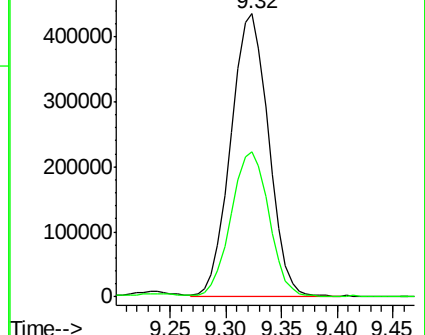
43 100

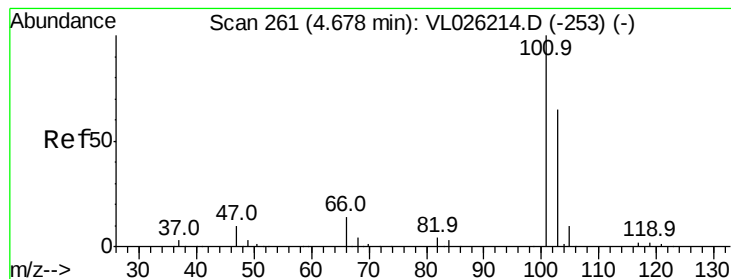
57 53.1 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.59 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.01 min

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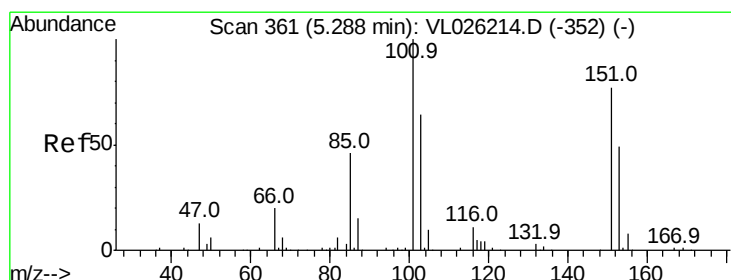
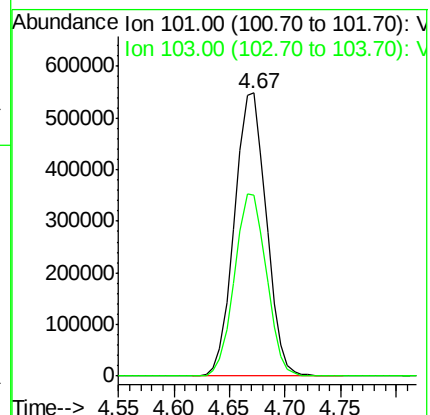
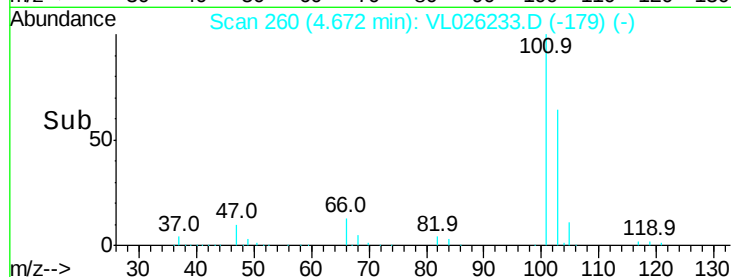
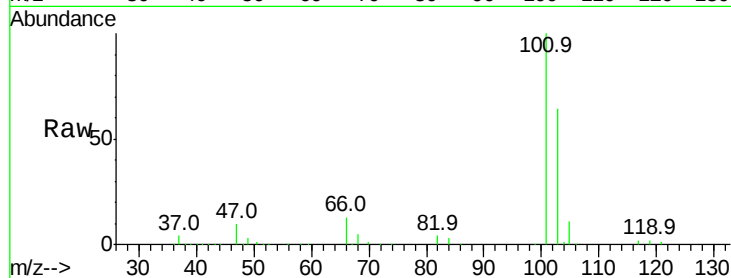
VSTDCCC010

Tgt Ion:101 Resp: 1092540

Ion Ratio Lower Upper

101 100

103 63.9 52.2 78.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.49 ppbv

RT: 5.28 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL026233.D

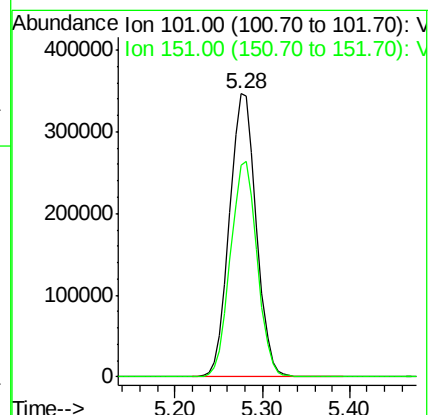
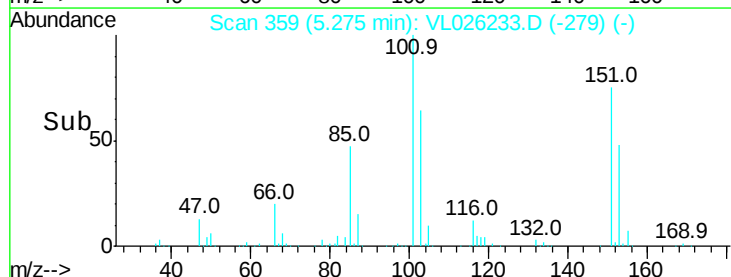
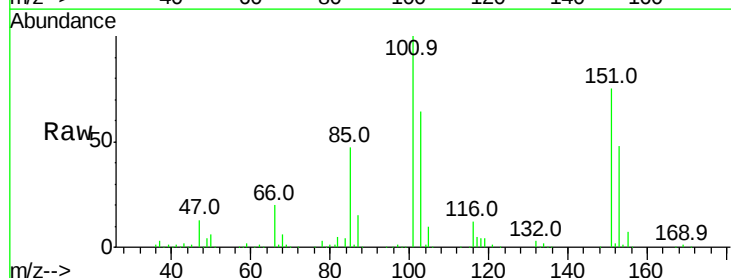
Acq: 21 Oct 2015 9:44

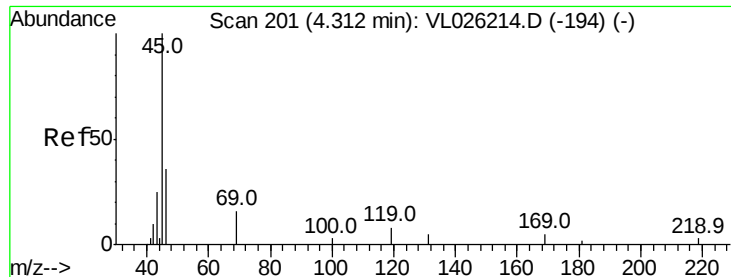
Tgt Ion:101 Resp: 738685

Ion Ratio Lower Upper

101 100

151 76.3 61.7 92.5





#13

Ethanol

Concen: 7.95 ppbv

RT: 4.31 min Scan# 200

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

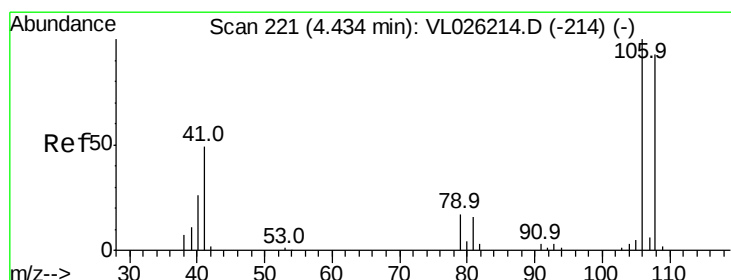
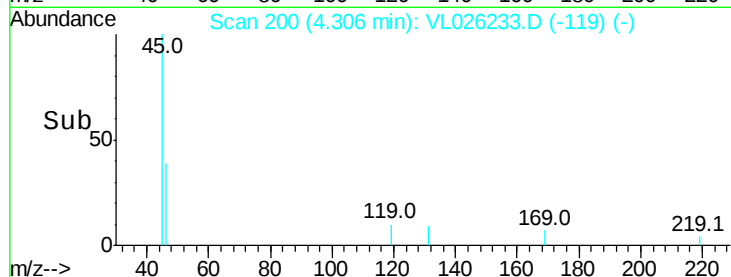
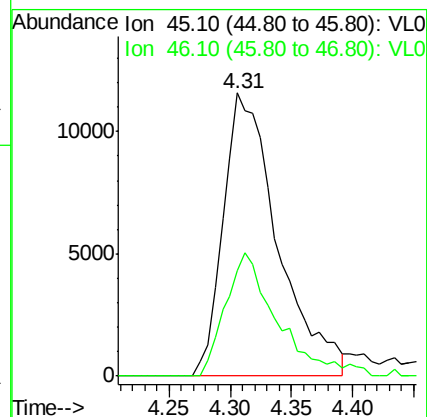
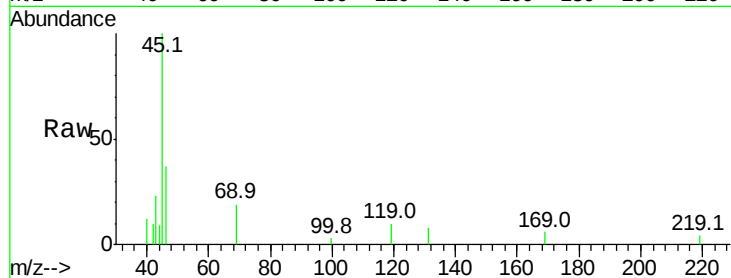
VSTDCCC010

Tgt Ion: 45 Resp: 35888

Ion Ratio Lower Upper

45 100

46 41.8 15.8 63.0



#14

Bromoethene

Concen: 10.45 ppbv

RT: 4.43 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

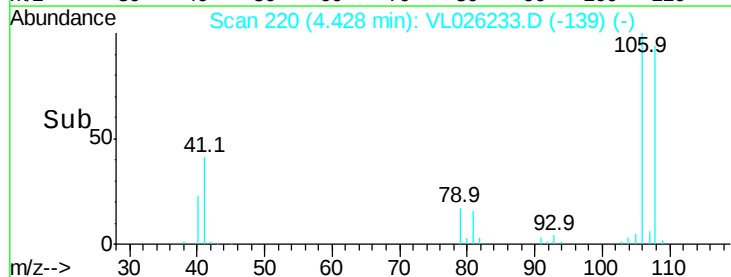
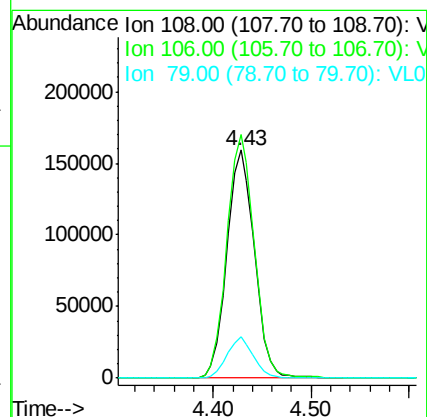
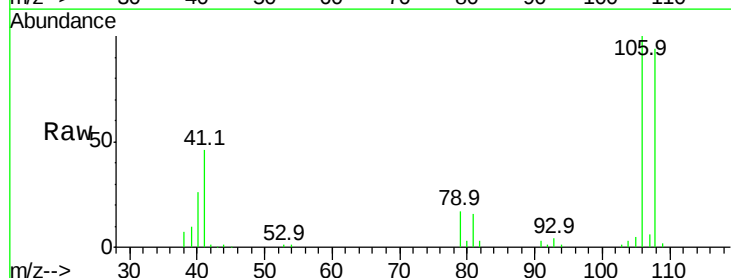
Tgt Ion: 108 Resp: 310514

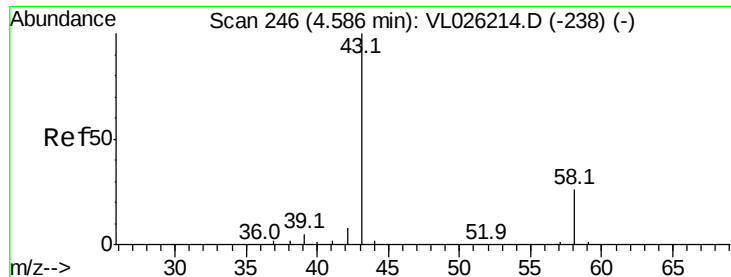
Ion Ratio Lower Upper

108 100

106 106.8 84.7 127.1

79 17.4 14.0 21.0





#15

Acetone

Concen: 8.70 ppbv

RT: 4.58 min Scan# 245

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

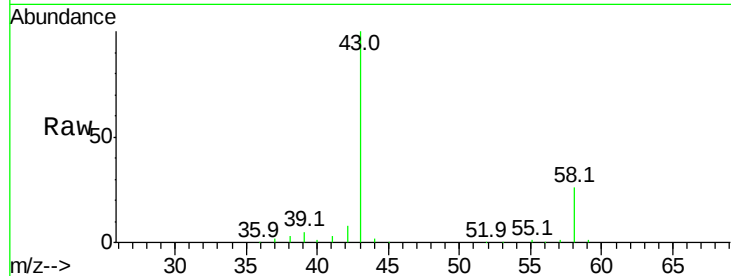
VSTDCCC010

Tgt Ion: 43 Resp: 649814

Ion Ratio Lower Upper

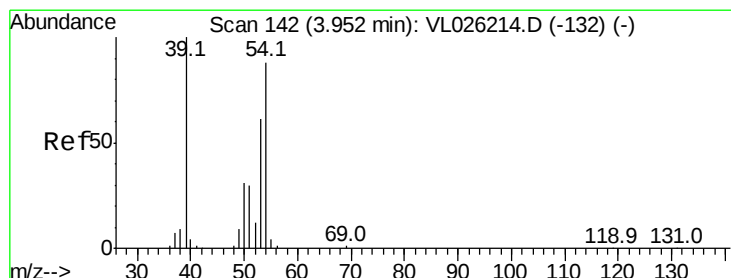
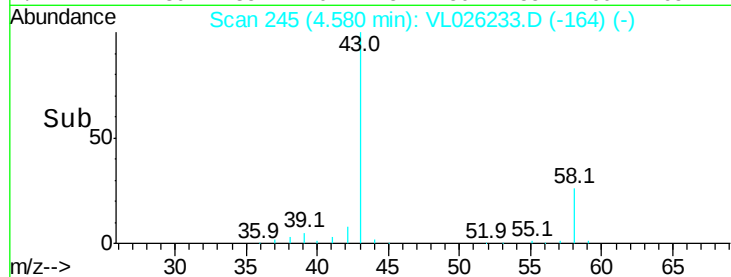
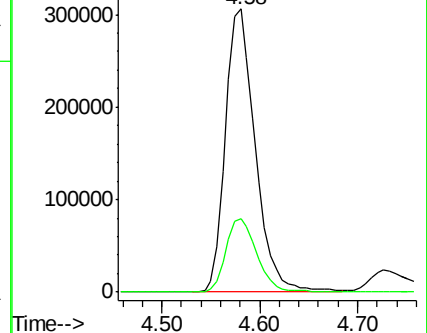
43 100

58 27.5 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.12 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL026233.D

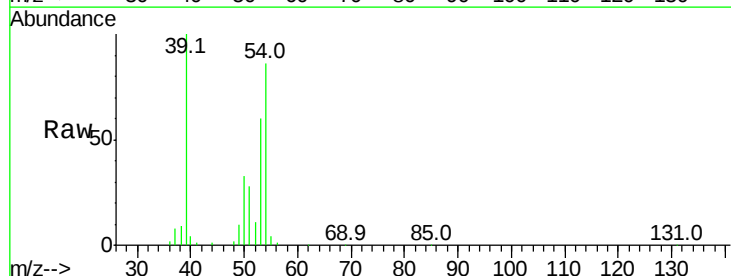
Acq: 21 Oct 2015 9:44

Tgt Ion: 39 Resp: 337266

Ion Ratio Lower Upper

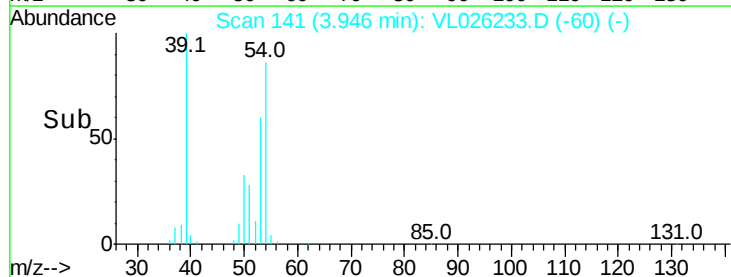
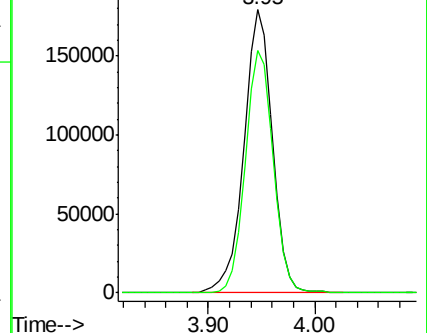
39 100

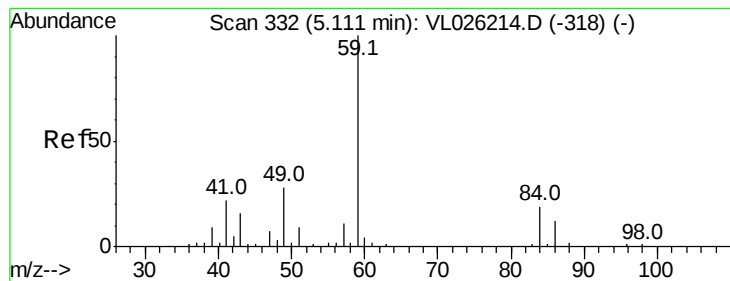
54 83.8 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.94 ppbv

RT: 5.10 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

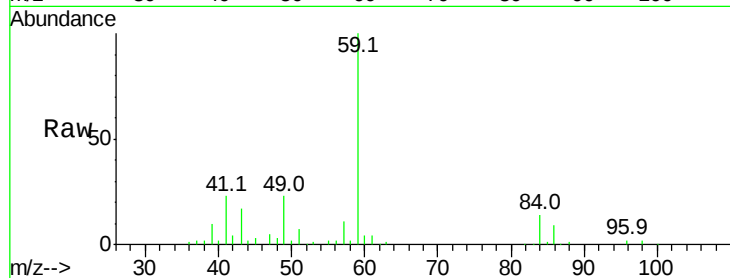
VSTDCCC010

Tgt Ion: 59 Resp: 609621

Ion Ratio Lower Upper

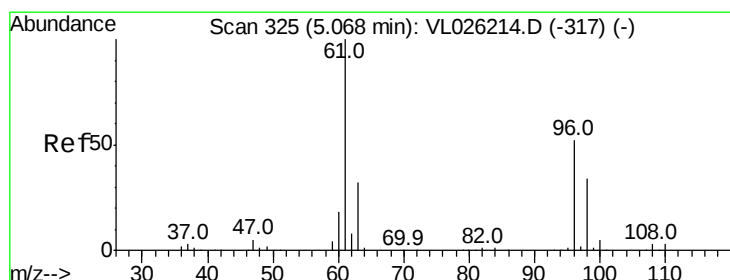
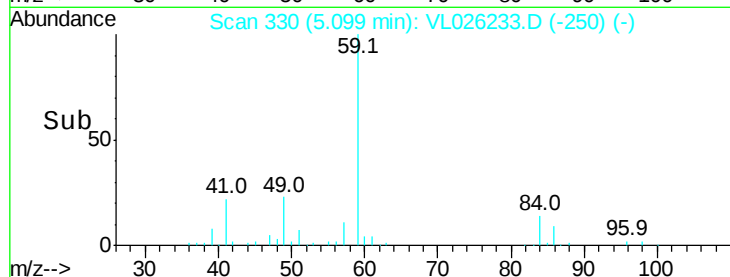
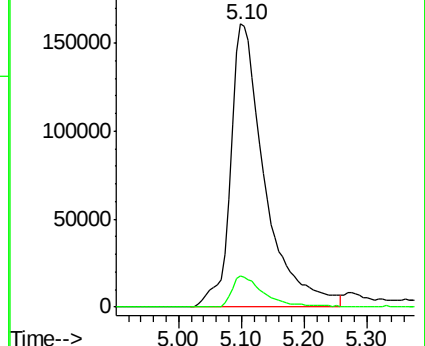
59 100

57 10.8 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.71 ppbv

RT: 5.06 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

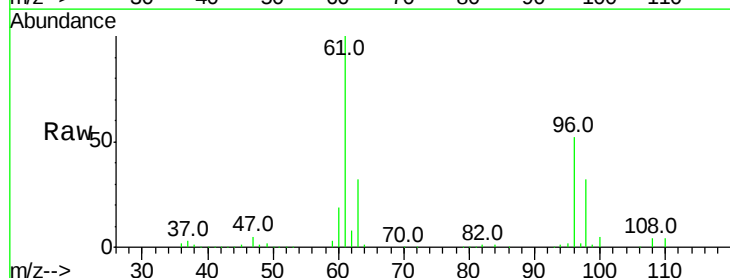
Tgt Ion: 96 Resp: 340486

Ion Ratio Lower Upper

96 100

61 192.8 153.7 230.5

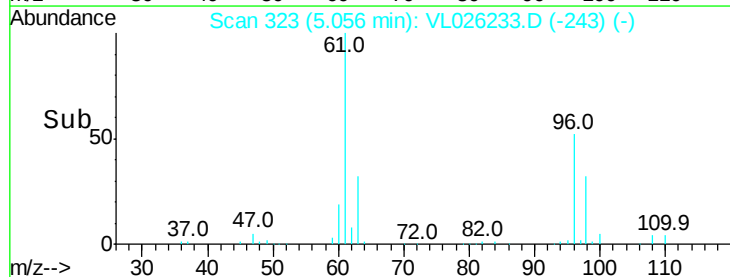
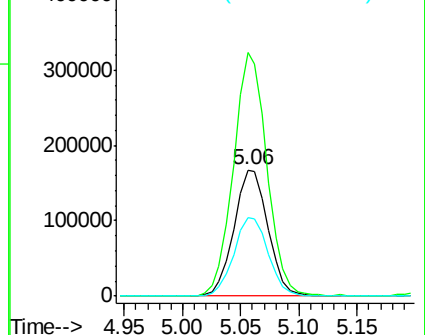
98 61.8 51.6 77.4

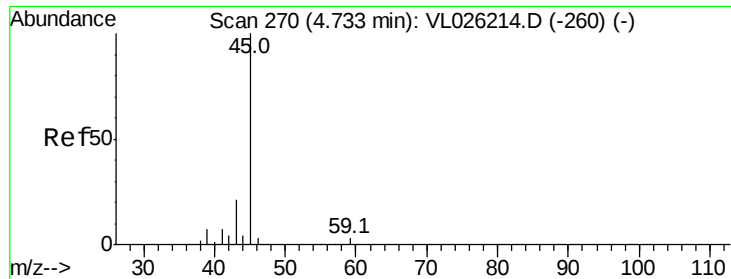


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.74 ppbv

RT: 4.73 min Scan# 269

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

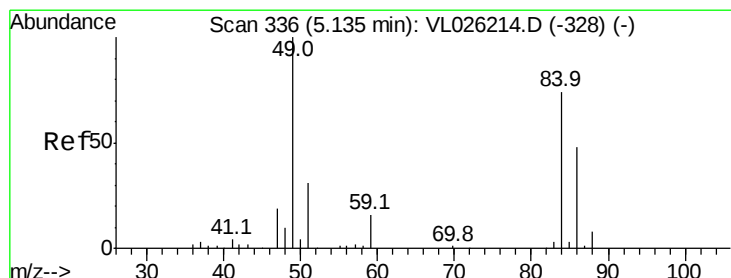
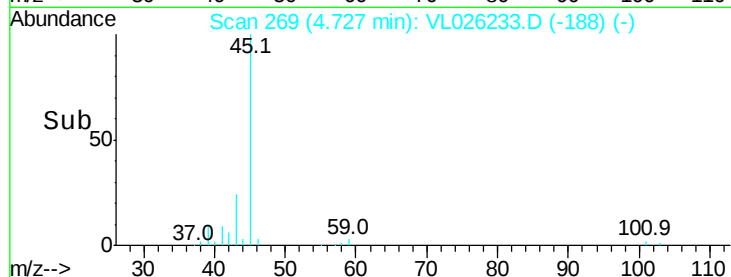
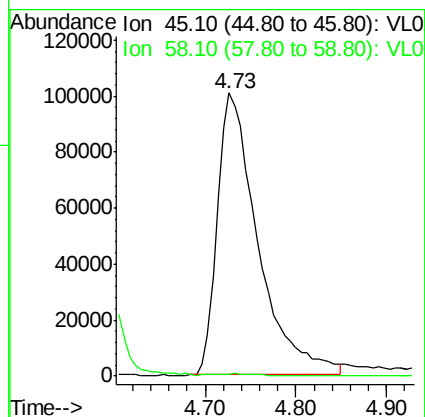
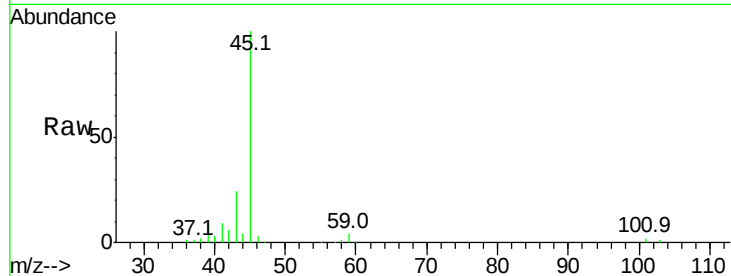
VSTDCCC010

Tgt Ion: 45 Resp: 313766

Ion Ratio Lower Upper

45 100

58 56.9 40.3 60.5



#20

Methylene Chloride

Concen: 10.24 ppbv

RT: 5.12 min Scan# 334

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Tgt Ion: 84 Resp: 305338

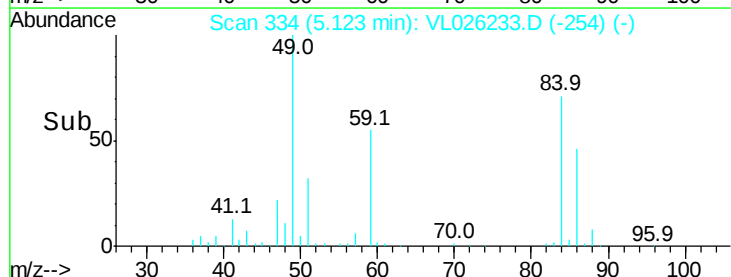
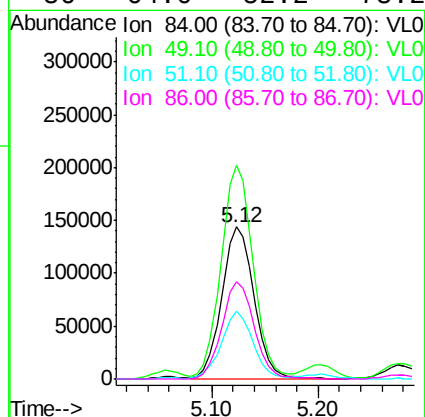
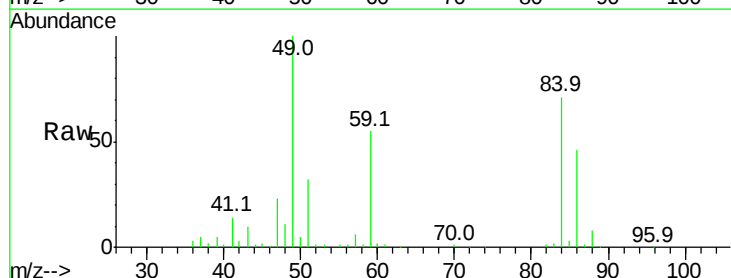
Ion Ratio Lower Upper

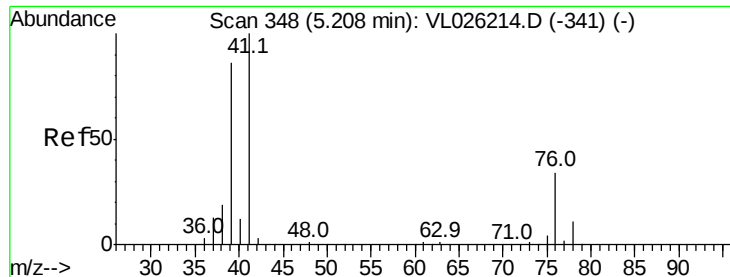
84 100

49 139.1 108.7 163.1

51 44.1 33.7 50.5

86 64.0 52.2 78.2





#21

Allyl Chloride

Concen: 10.66 ppbv

RT: 5.20 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

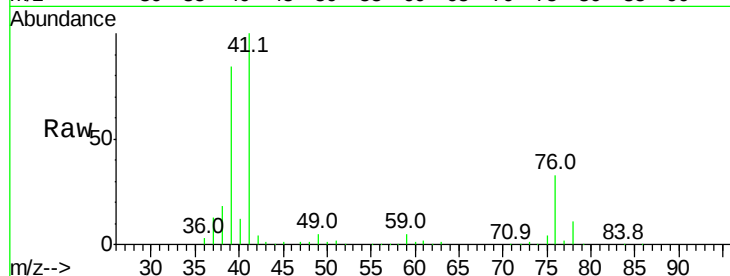
Tgt Ion: 41 Resp: 519800

Ion Ratio Lower Upper

41 100

76 32.4 26.6 39.8

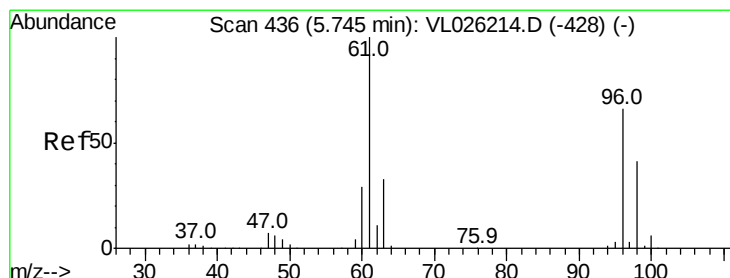
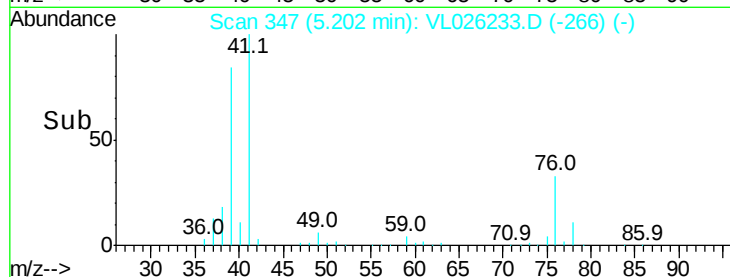
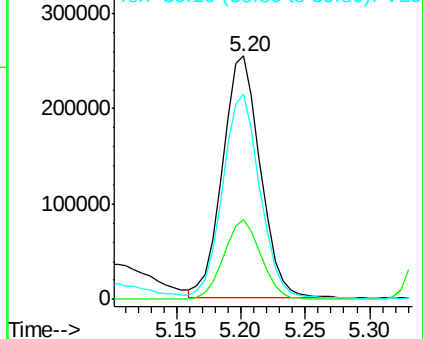
39 85.2 67.4 101.2



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: 10.43 ppbv

RT: 5.74 min Scan# 435

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

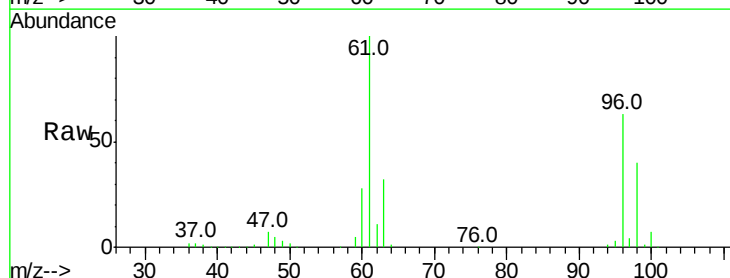
Tgt Ion: 96 Resp: 427687

Ion Ratio Lower Upper

96 100

61 158.5 121.5 182.3

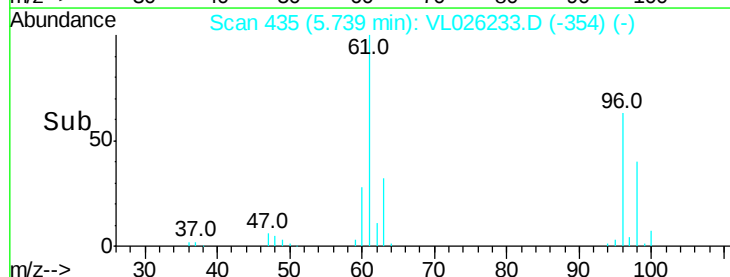
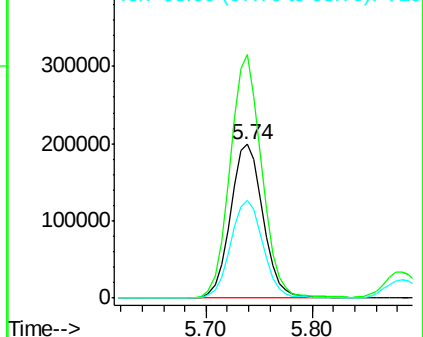
98 63.9 49.7 74.5

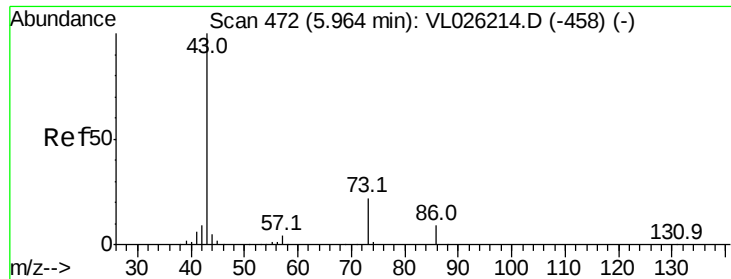


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.08 ppbv

RT: 5.96 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1387942

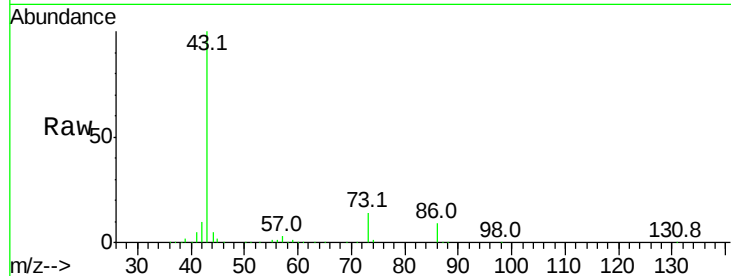
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.0	10.6
42	9.8	7.5	11.3
44	4.7	3.6	5.4

43 100

86 9.4 7.0 10.6

42 9.8 7.5 11.3

44 4.7 3.6 5.4

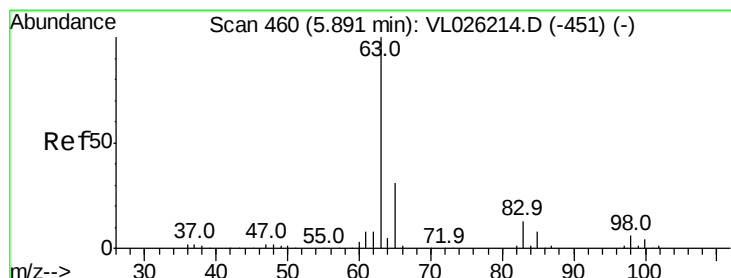
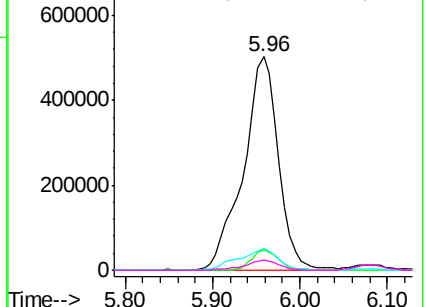
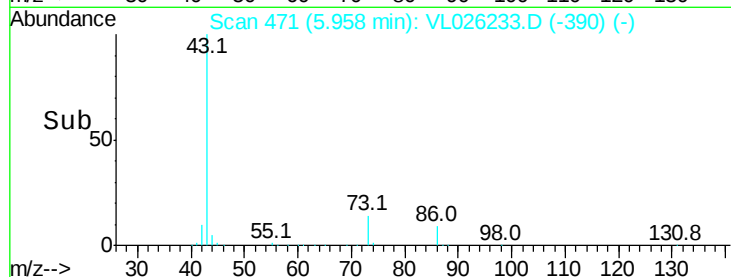


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.23 ppbv

RT: 5.88 min Scan# 459

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

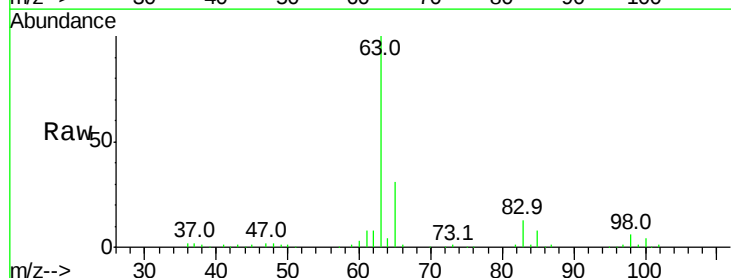
Tgt Ion: 63 Resp: 888448

Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.8
100	3.6	1.8	5.5

63 100

98 5.9 2.9 8.8

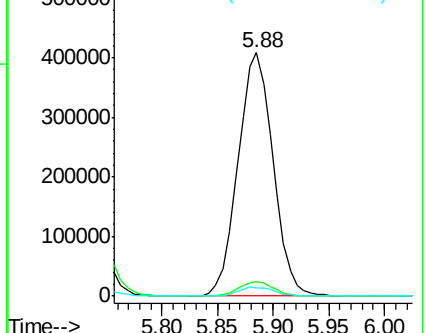
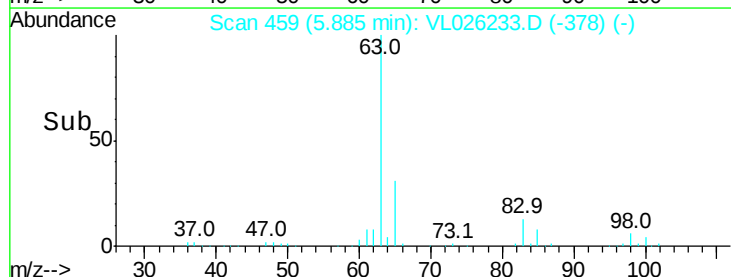
100 3.6 1.8 5.5

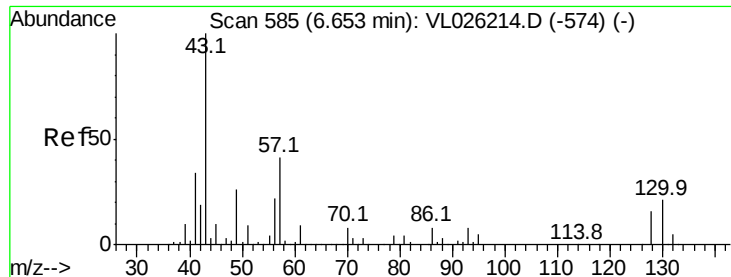


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



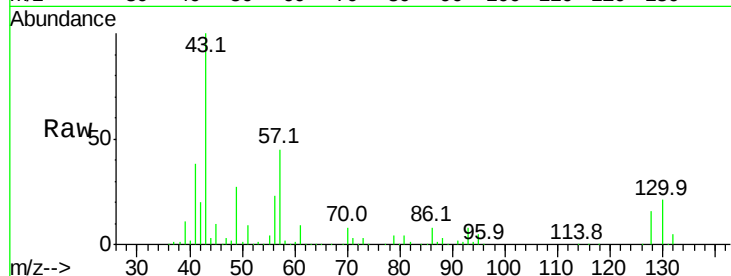


#25
Ethyl Acetate
Concen: 10.01 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

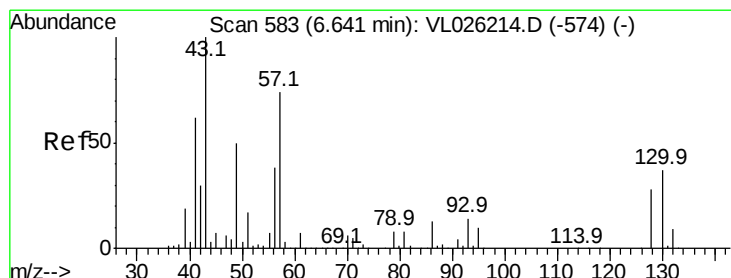
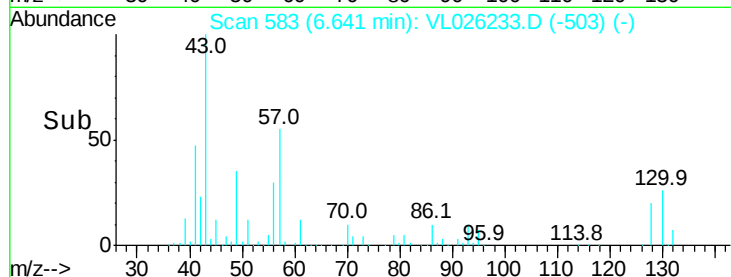
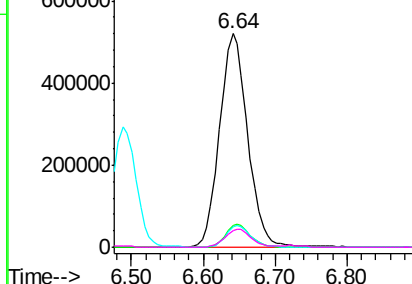
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1401580

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.7	11.5
61	9.3	7.5	11.3
70	8.6	6.9	10.3



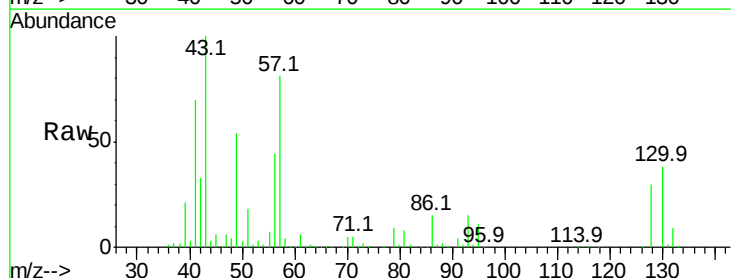
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



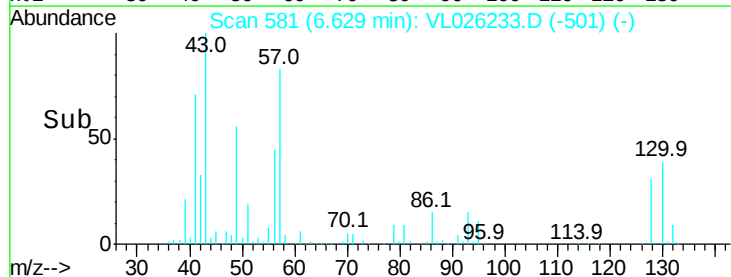
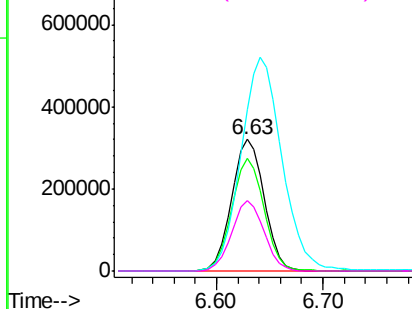
#26
Hexane
Concen: 9.82 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

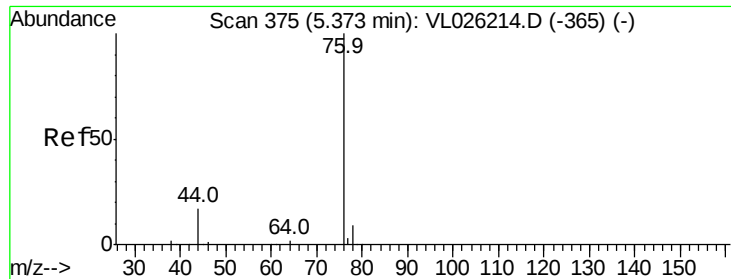
Tgt Ion: 57 Resp: 686973

Ion	Ratio	Lower	Upper
57	100		
41	86.0	68.1	102.1
43	205.9	163.4	245.2
56	53.1	42.2	63.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

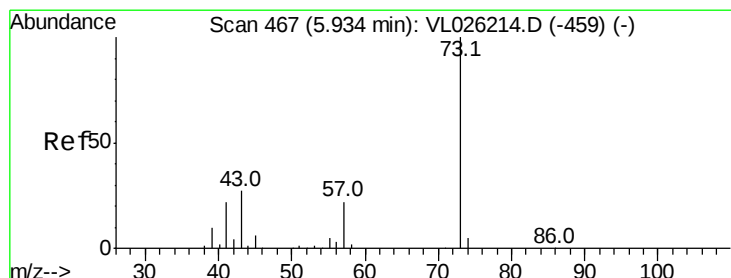
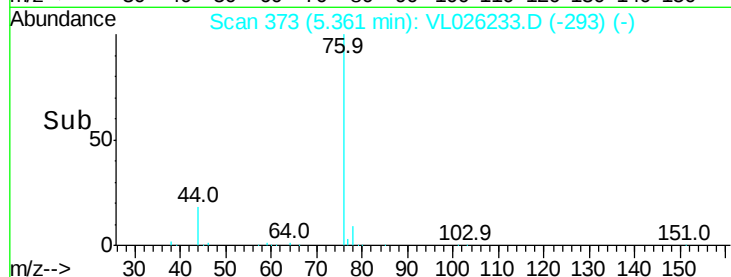
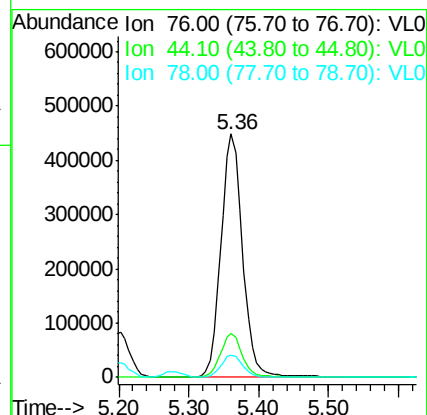
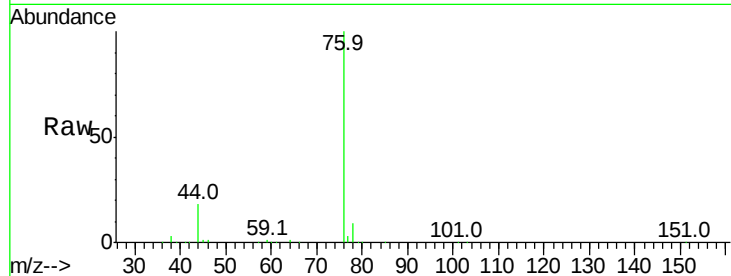




#27
Carbon Disulfide
Concen: 10.80 ppbv
RT: 5.36 min Scan# 373
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

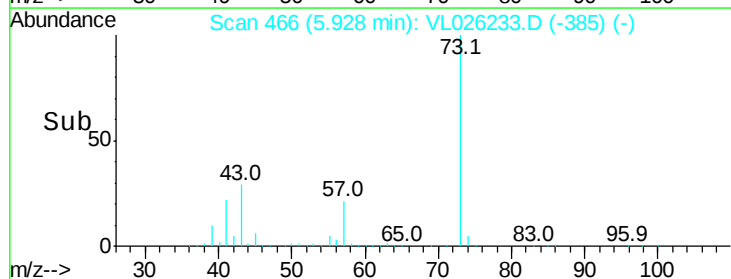
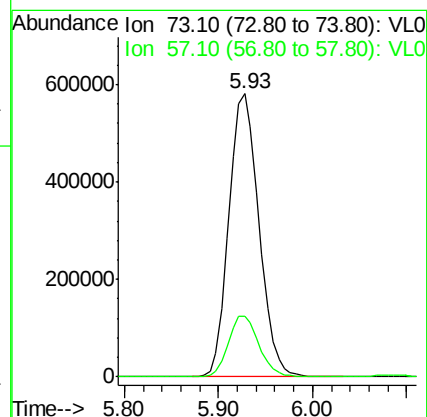
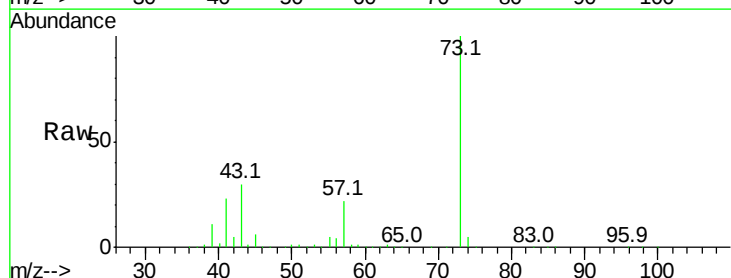
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

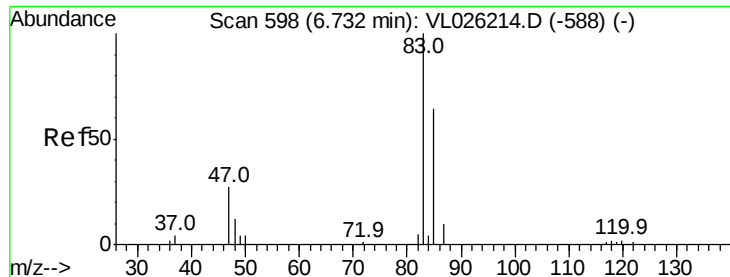
Tgt Ion: 76 Resp: 966296
Ion Ratio Lower Upper
76 100
44 17.6 14.0 21.0
78 9.2 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 10.12 ppbv
RT: 5.93 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 73 Resp: 1287010
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

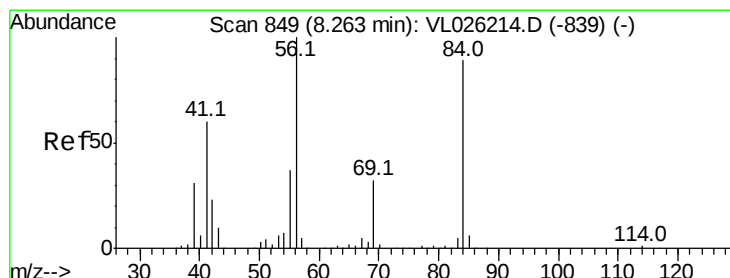
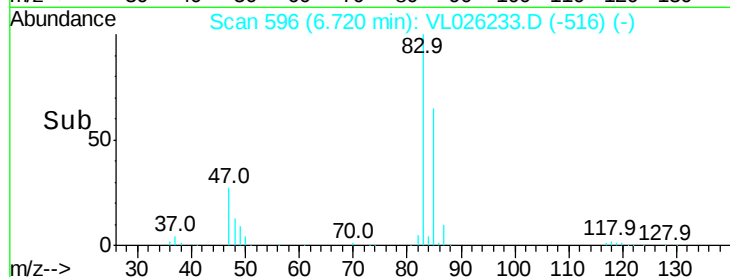
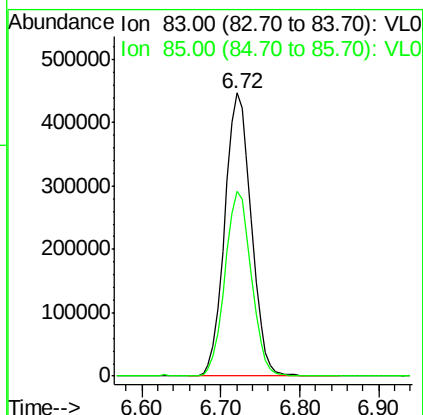
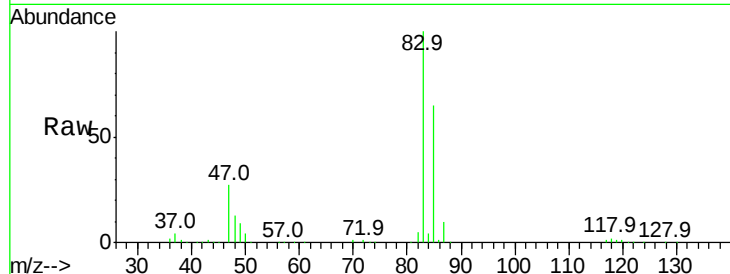




#29
Chloroform
Concen: 10.28 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

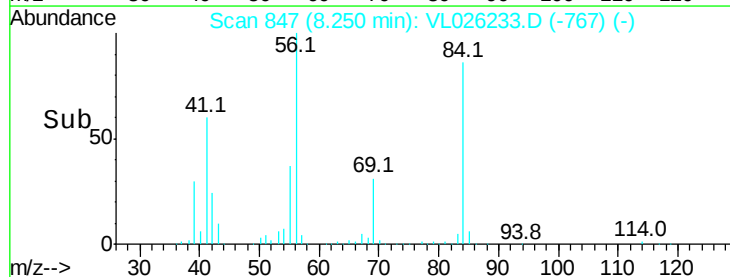
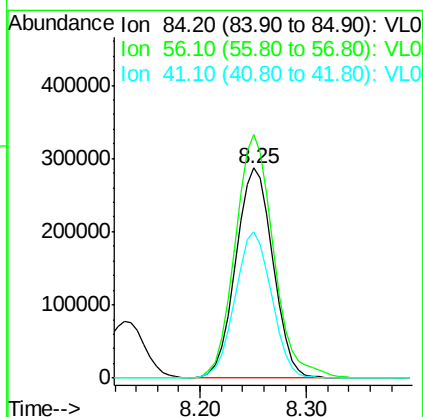
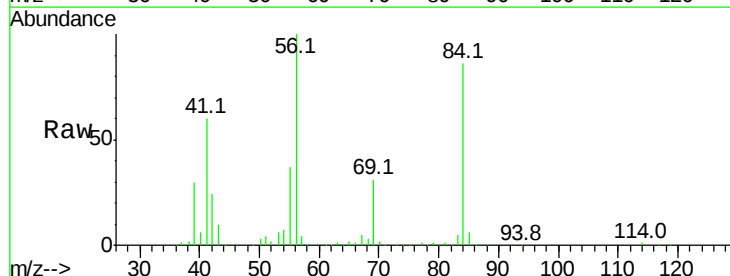
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

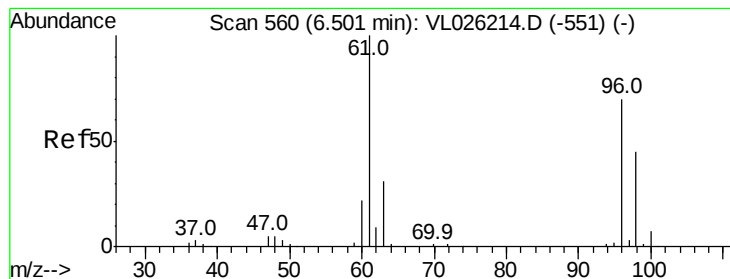
Tgt Ion: 83 Resp: 1044456
Ion Ratio Lower Upper
83 100
85 65.4 51.5 77.3



#30
Cyclohexane
Concen: 10.02 ppbv
RT: 8.25 min Scan# 847
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 84 Resp: 701684
Ion Ratio Lower Upper
84 100
56 120.6 95.9 143.9
41 69.6 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 10.39 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

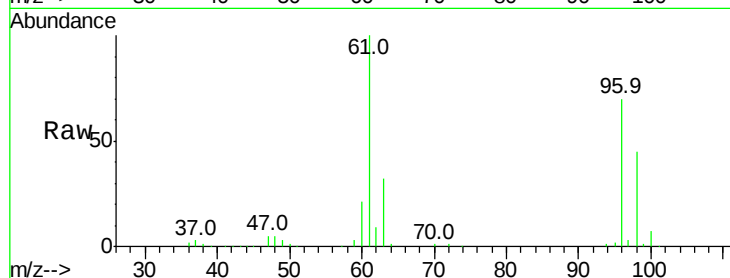
Tgt Ion: 61 Resp: 660277

Ion Ratio Lower Upper

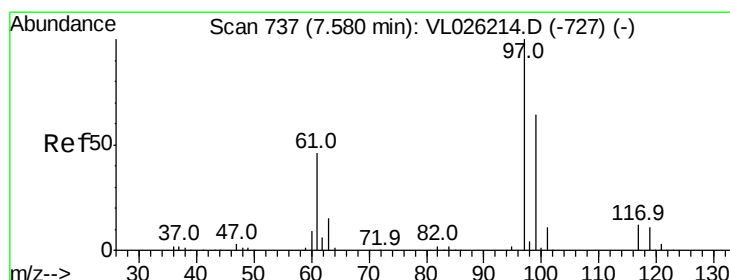
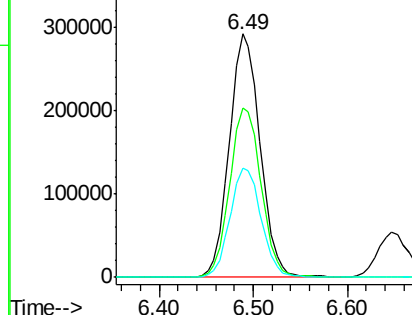
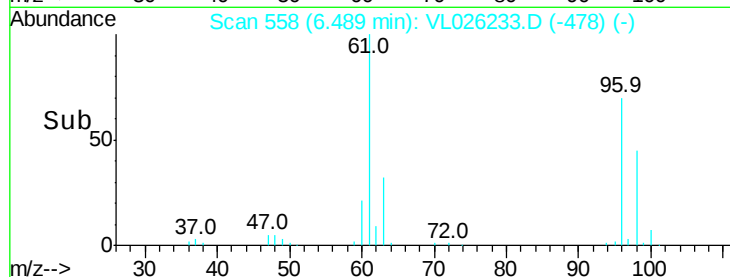
61 100

96 69.6 56.0 84.0

98 45.0 36.1 54.1



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: 9.91 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

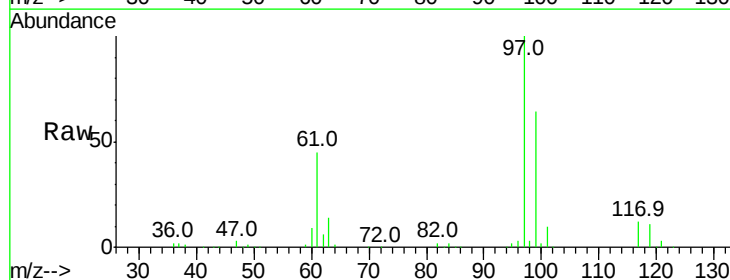
Tgt Ion: 97 Resp: 1116135

Ion Ratio Lower Upper

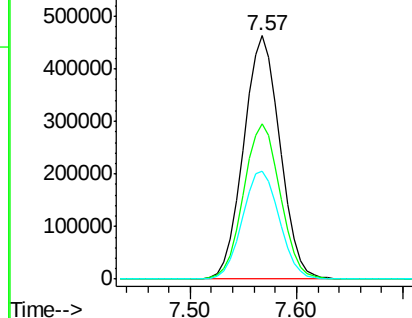
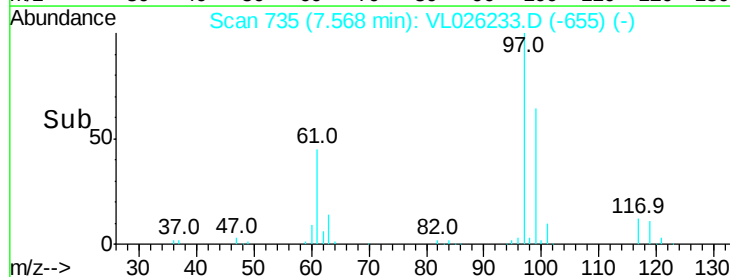
97 100

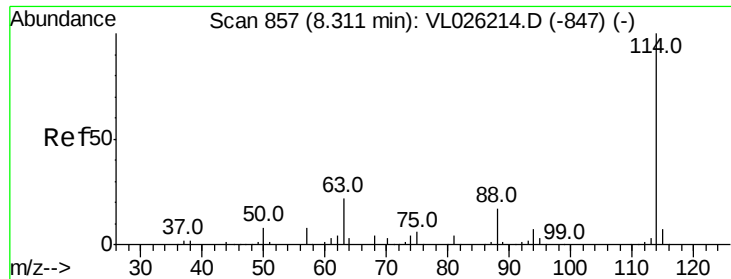
99 64.2 51.4 77.0

61 45.4 36.2 54.4



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

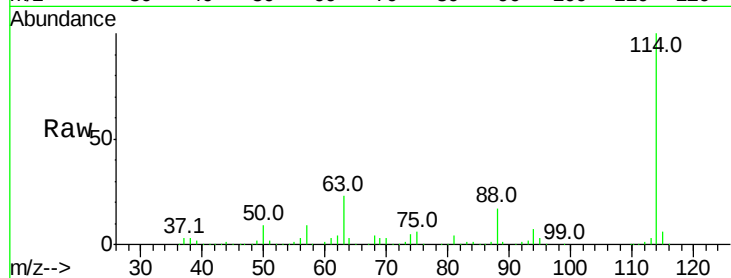




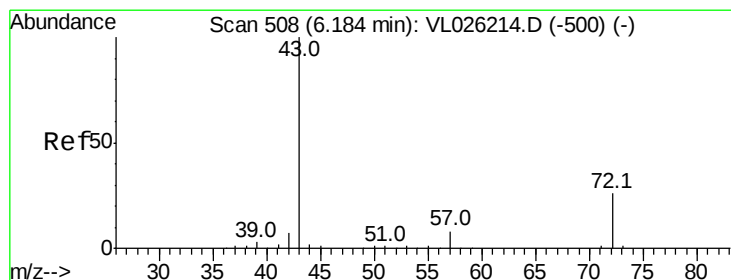
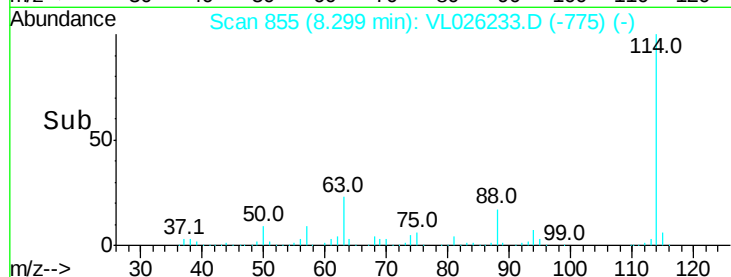
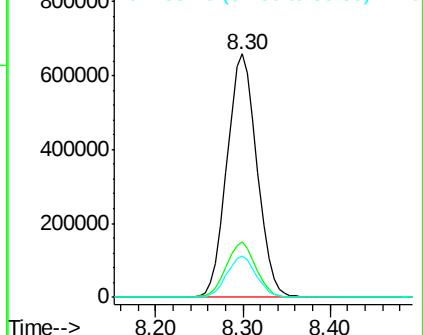
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 1571095
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.2 27.4
 88 16.8 13.5 20.3

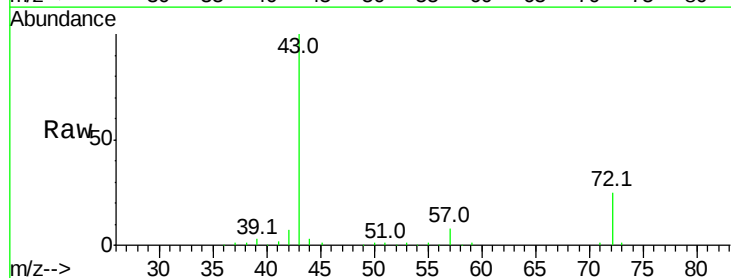


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

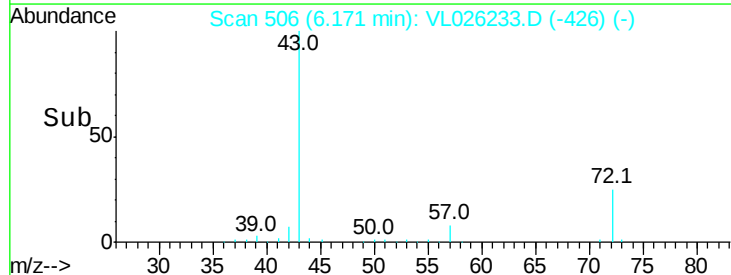
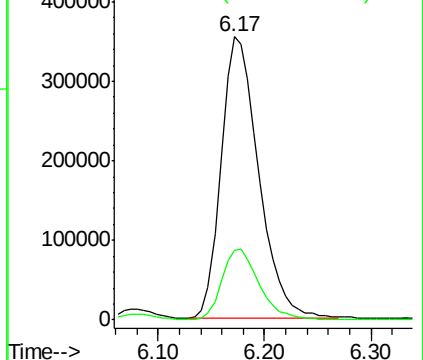


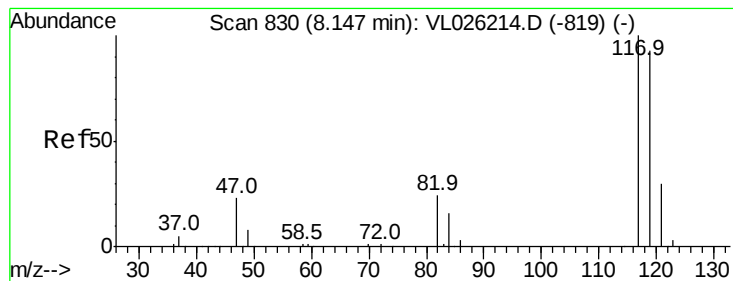
#34
 2-Butanone
 Concen: 9.79 ppbv
 RT: 6.17 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 43 Resp: 868918
 Ion Ratio Lower Upper
 43 100
 72 25.5 20.1 30.1



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





#35

Carbon Tetrachloride

Concen: 9.70 ppbv

RT: 8.13 min Scan# 827

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

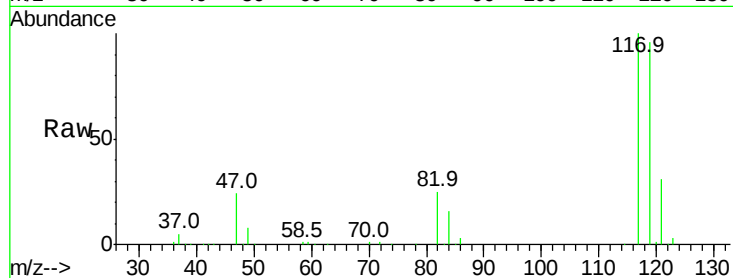
Tgt Ion:117 Resp: 1160444

Ion Ratio Lower Upper

117 100

119 95.9 74.6 111.8

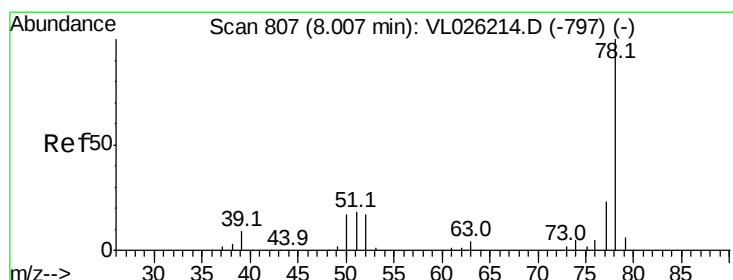
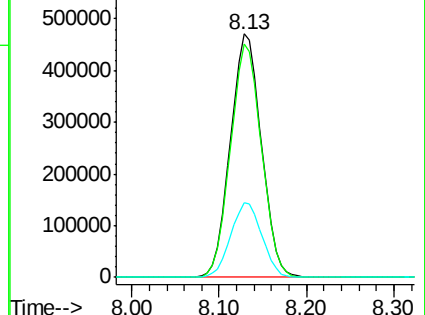
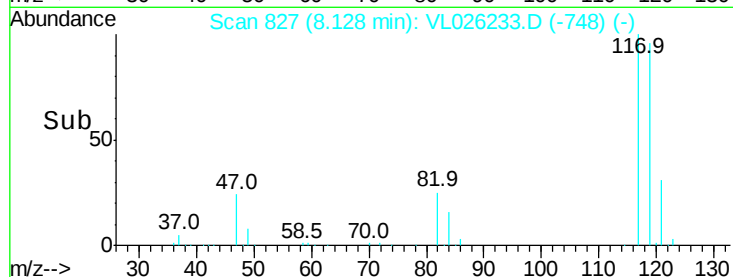
121 30.8 24.2 36.2



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: 9.80 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

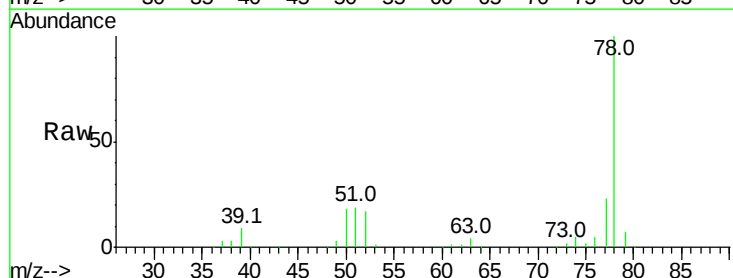
Tgt Ion: 78 Resp: 1567876

Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

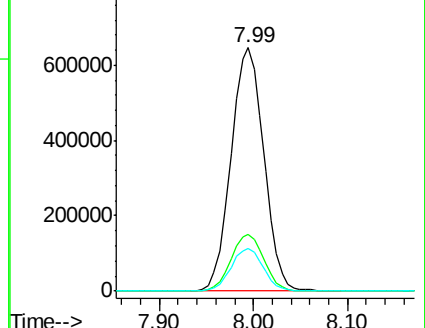
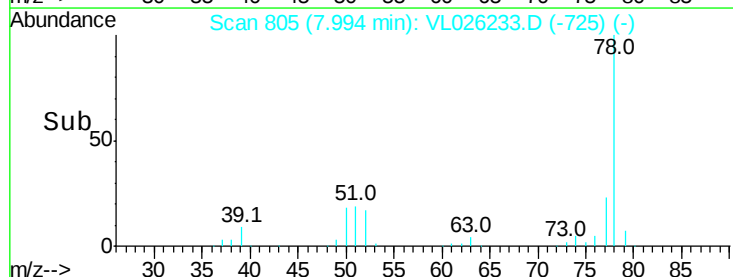
50 17.7 13.8 20.8

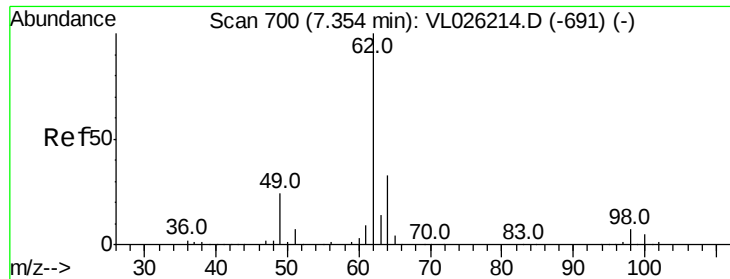


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

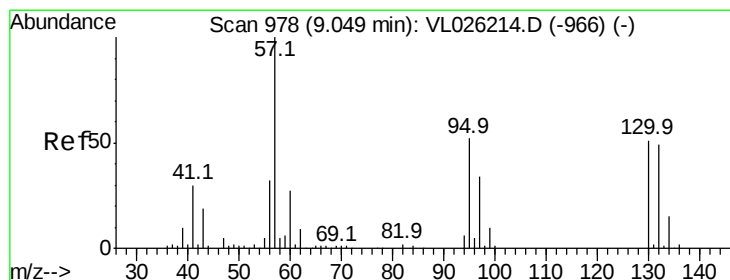
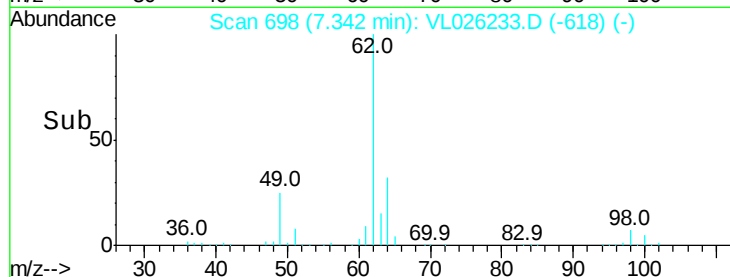
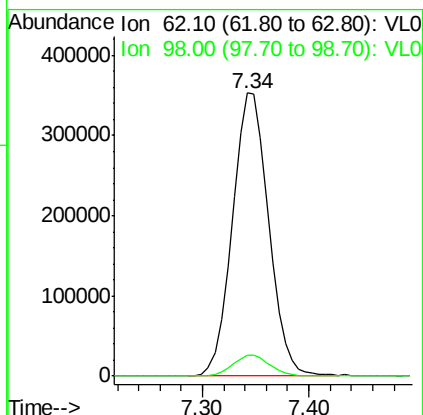
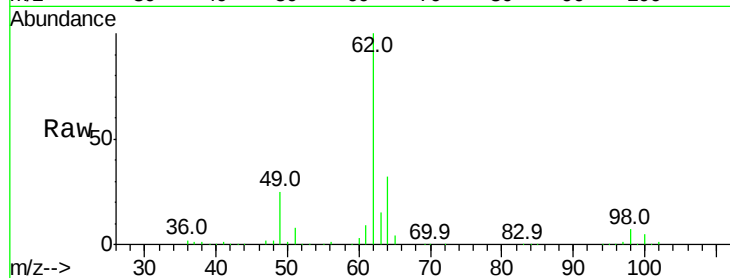




#37
 1,2-Dichloroethane
 Concen: 10.26 ppbv
 RT: 7.34 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

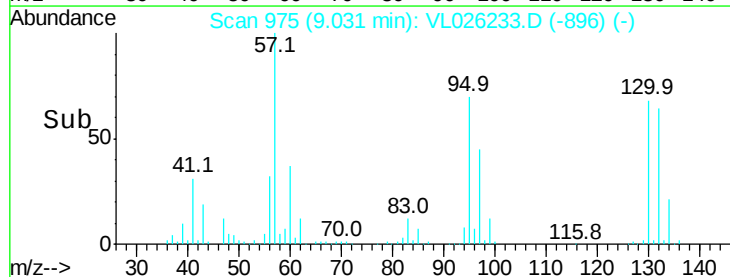
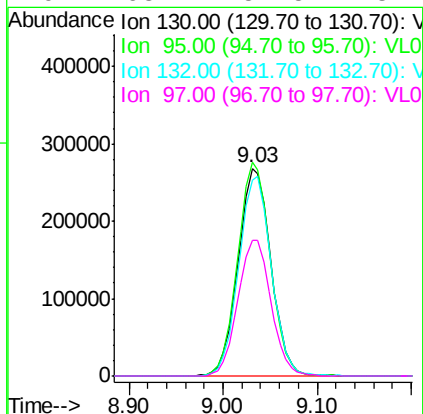
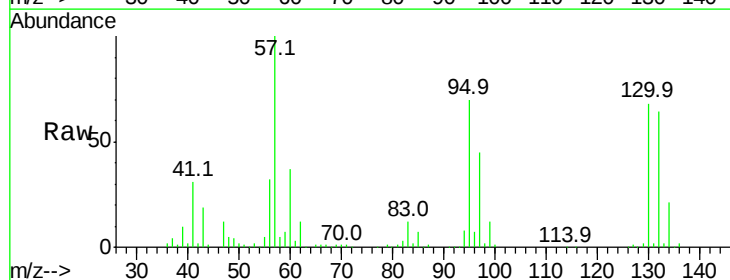
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

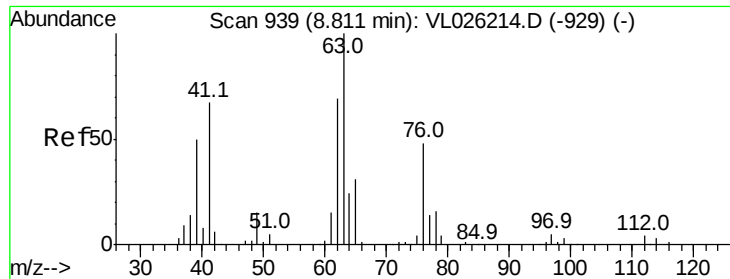
Tgt Ion: 62 Resp: 844099
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1



#38
 Trichloroethene
 Concen: 8.43 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 130 Resp: 654263
 Ion Ratio Lower Upper
 130 100
 95 103.0 81.0 121.4
 132 94.2 76.5 114.7
 97 65.7 52.5 78.7

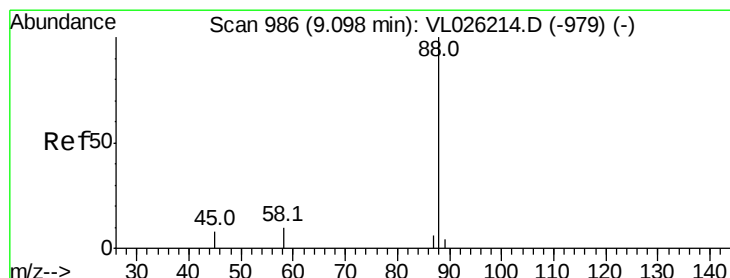
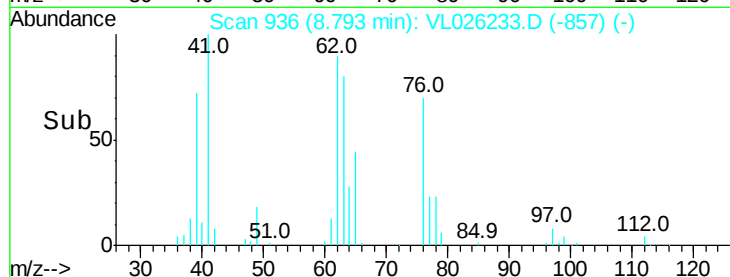
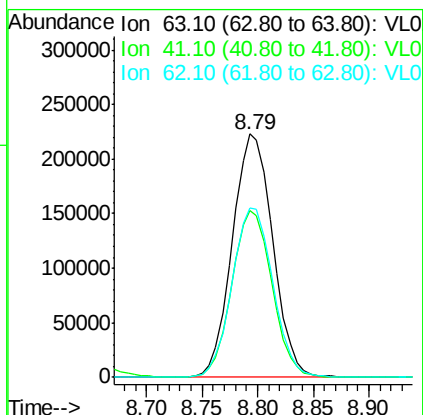
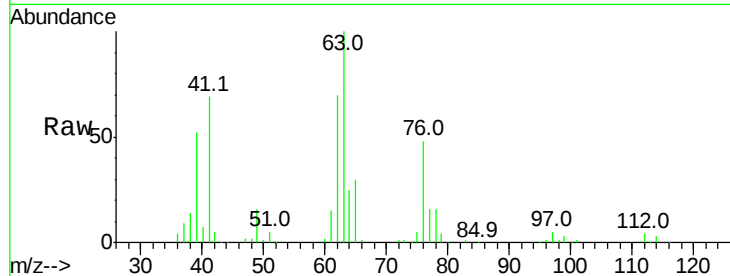




#39
 1,2-Dichloropropane
 Concen: 10.02 ppbv
 RT: 8.79 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

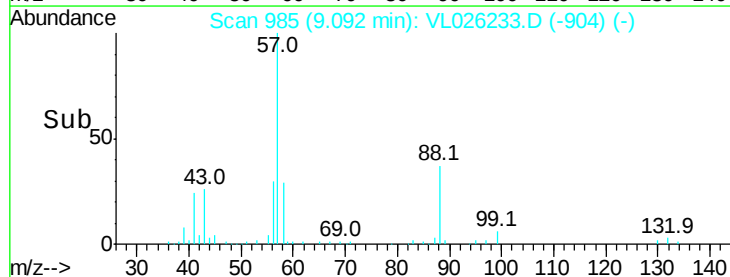
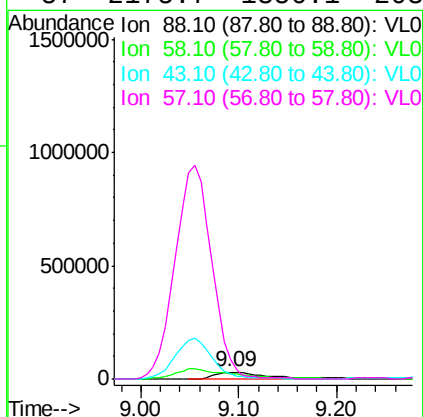
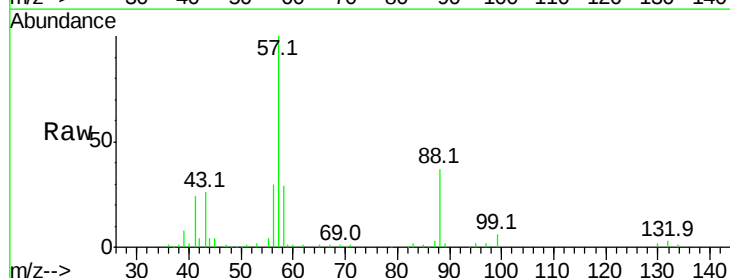
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

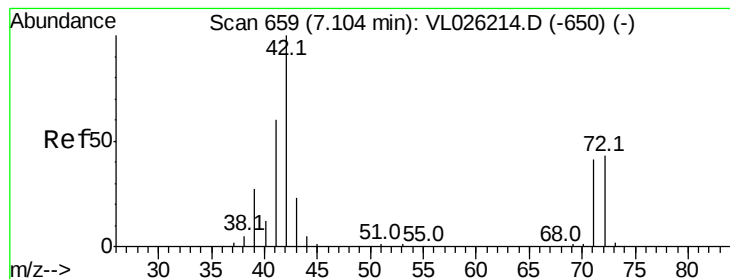
Tgt Ion: 63 Resp: 563894
 Ion Ratio Lower Upper
 63 100
 41 68.3 53.2 79.8
 62 69.5 55.4 83.2



#40
 1,4-Dioxane
 Concen: 10.74 ppbv
 RT: 9.09 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 88 Resp: 113632
 Ion Ratio Lower Upper
 88 100
 58 167.2 115.4 173.2
 43 428.9 272.6 409.0#
 57 2175.7 1356.1 2034.1#





#41

Tetrahydrofuran

Concen: 10.05 ppbv

RT: 7.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

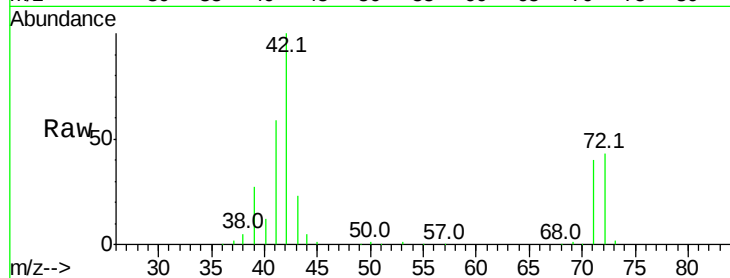
Tgt Ion: 42 Resp: 516506

Ion Ratio Lower Upper

42 100

72 42.3 34.3 51.5

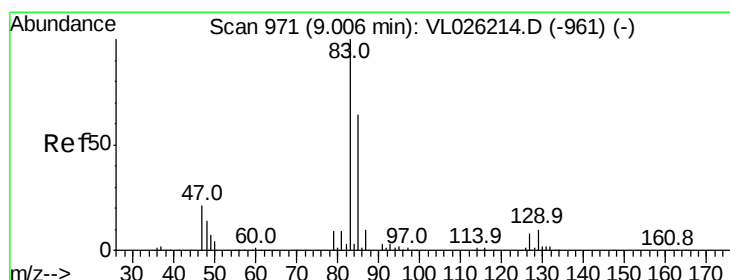
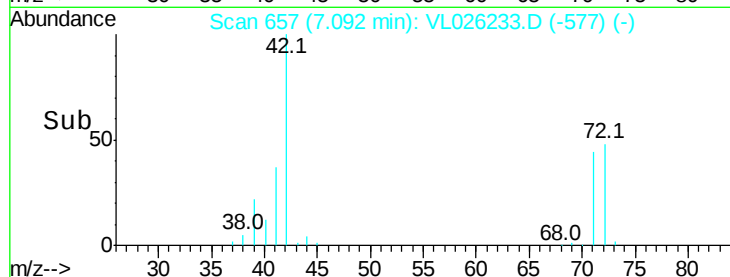
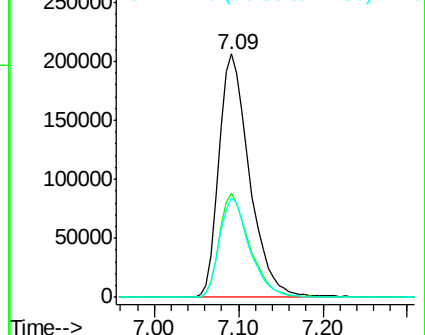
71 40.1 32.1 48.1



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: 10.06 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

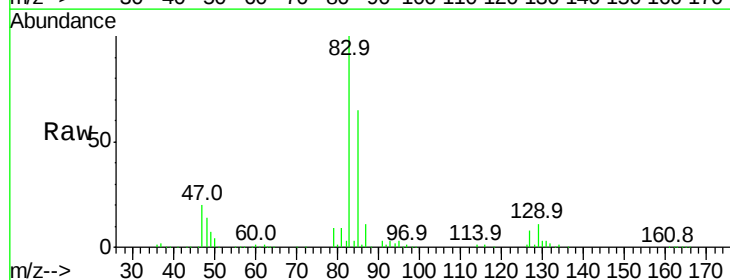
Tgt Ion: 83 Resp: 1190200

Ion Ratio Lower Upper

83 100

85 65.2 50.9 76.3

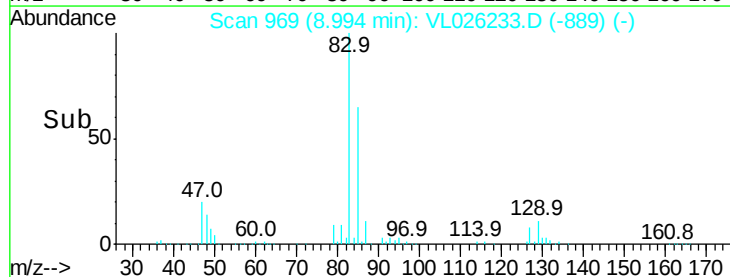
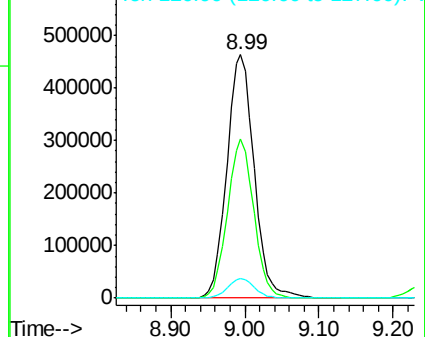
127 7.9 6.2 9.4

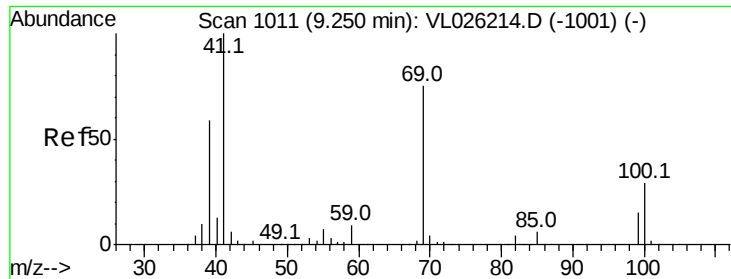


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

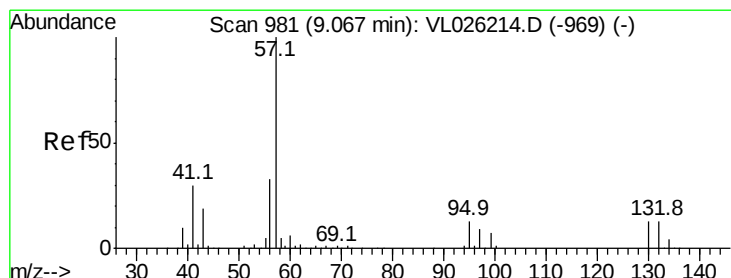
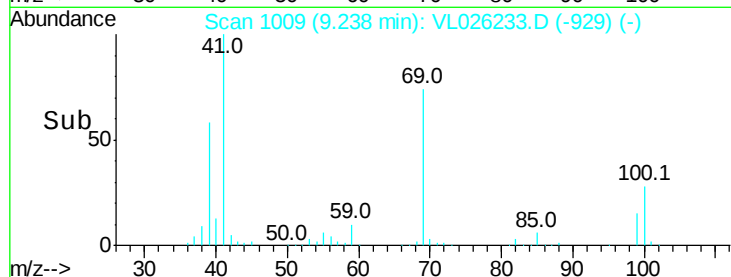
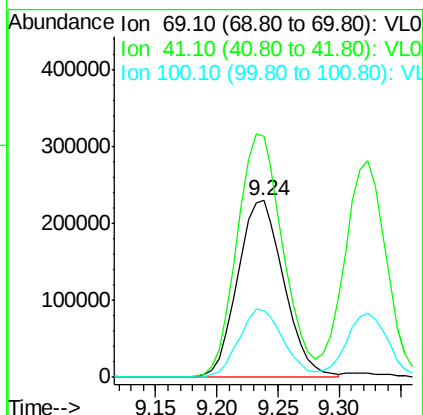
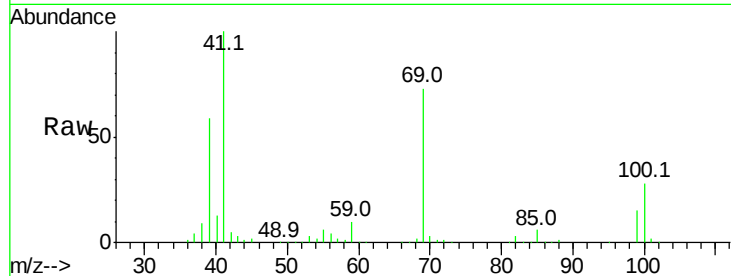




#43
Methyl Methacrylate
Concen: 10.37 ppbv
RT: 9.24 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

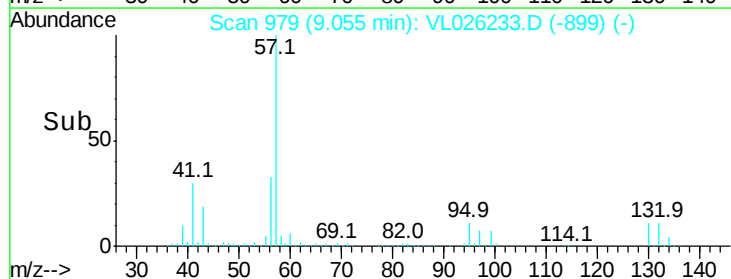
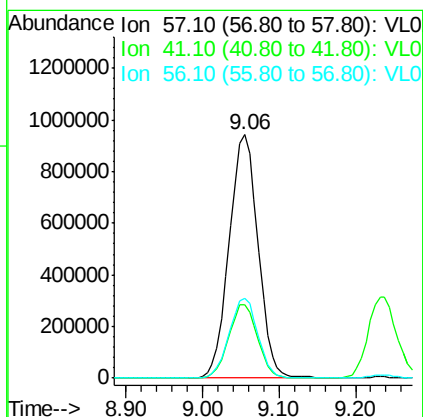
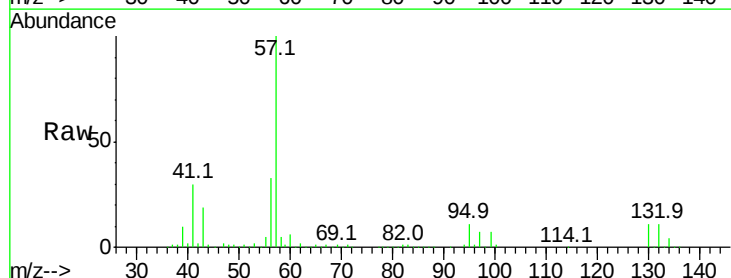
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

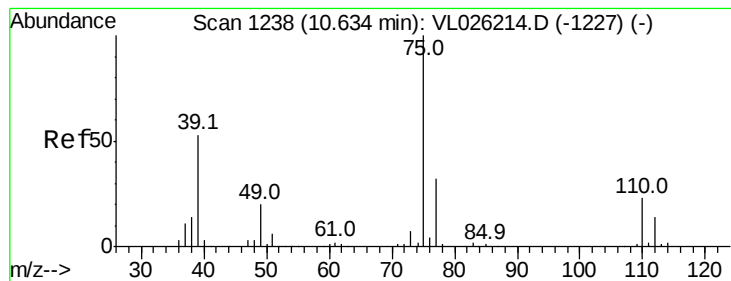
Tgt Ion: 69 Resp: 604202
Ion Ratio Lower Upper
69 100
41 137.7 108.4 162.6
100 37.9 30.6 45.8



#44
2,2,4-Trimethylpentane
Concen: 9.54 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 57 Resp: 2470930
Ion Ratio Lower Upper
57 100
41 30.0 23.7 35.5
56 32.4 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.59 ppbv

RT: 10.62 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

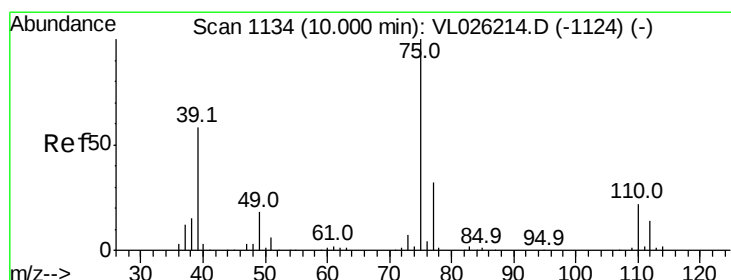
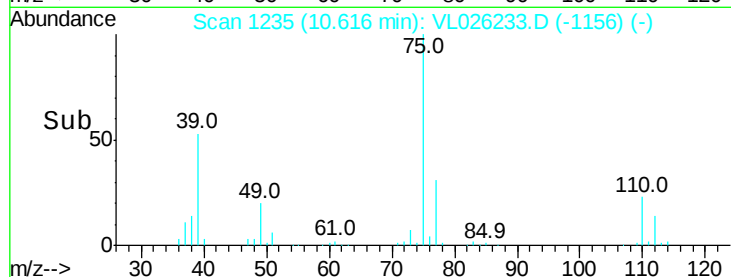
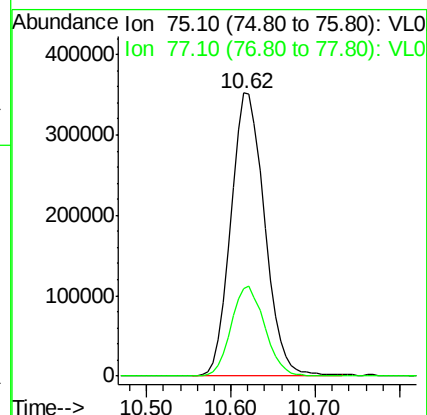
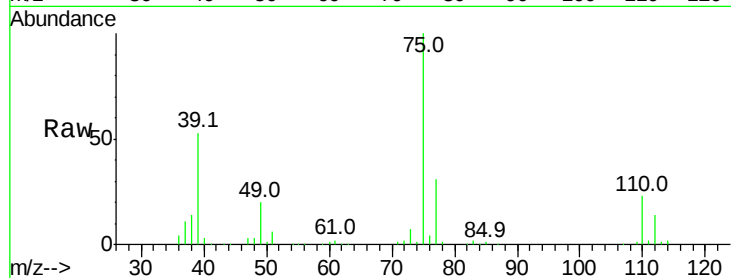
VSTDCCC010

Tgt Ion: 75 Resp: 962068

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 10.35 ppbv

RT: 9.99 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

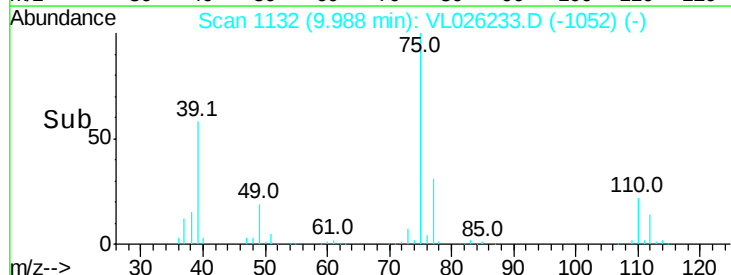
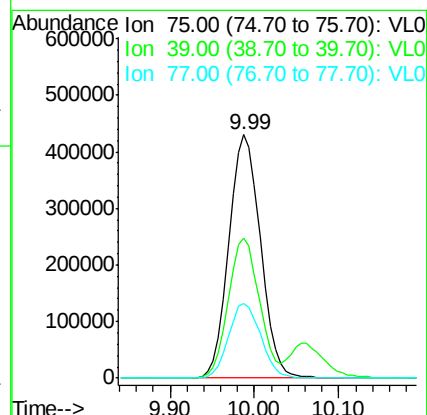
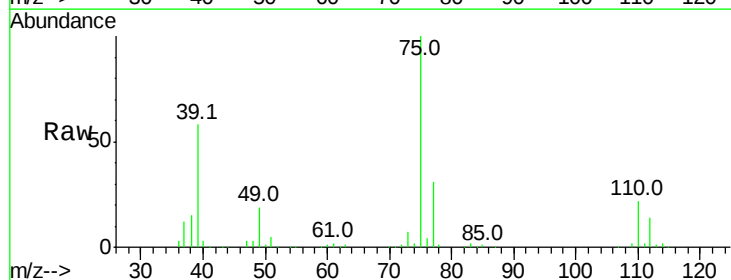
Tgt Ion: 75 Resp: 1101215

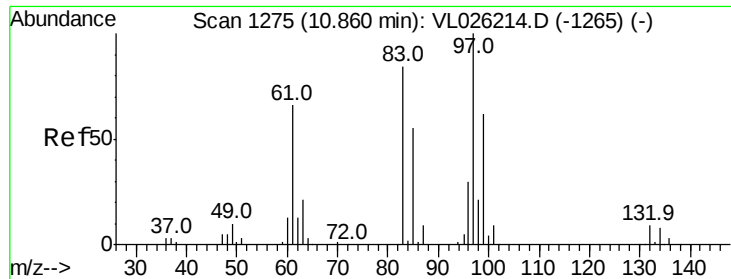
Ion Ratio Lower Upper

75 100

39 57.6 46.2 69.4

77 30.7 25.4 38.0

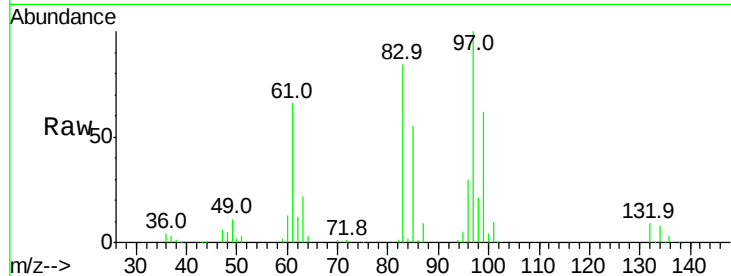




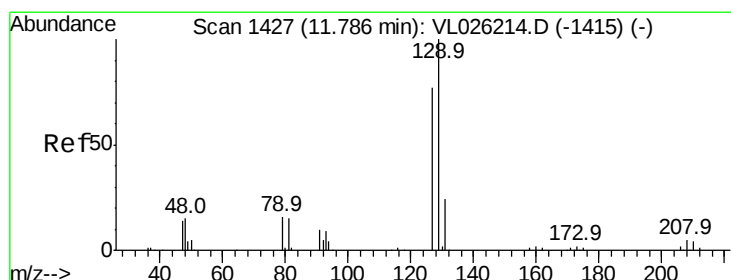
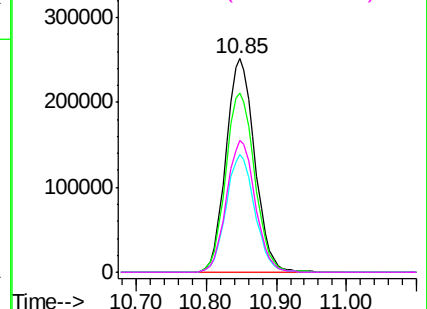
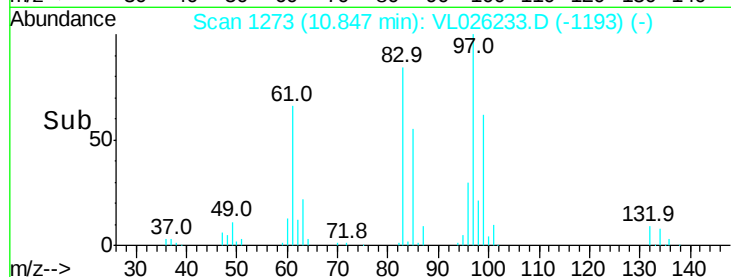
#47
 1,1,2-Trichloroethane
 Concen: 10.15 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 717908
 Ion Ratio Lower Upper
 97 100
 83 84.1 67.4 101.2
 85 55.3 43.8 65.6
 99 61.6 49.8 74.6

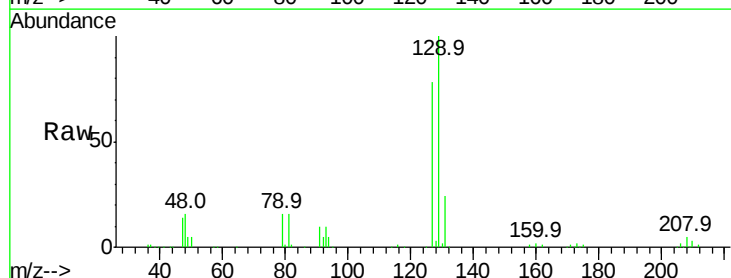


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

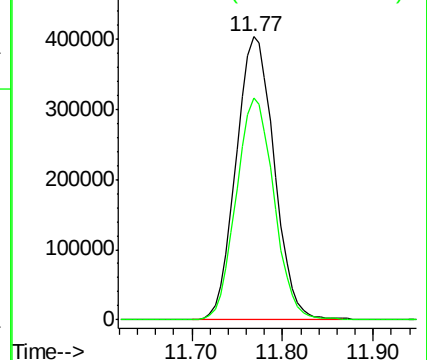
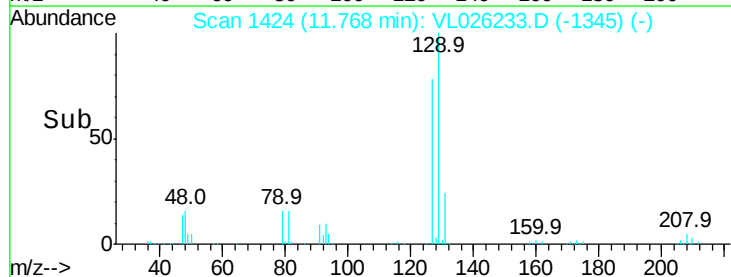


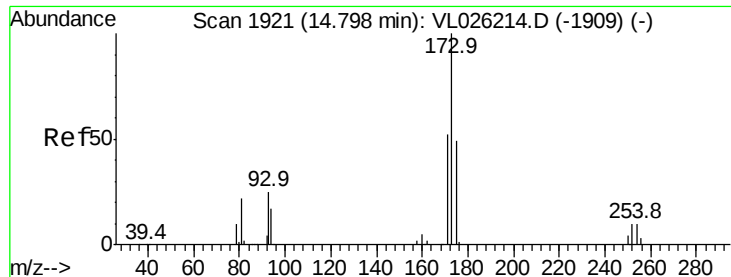
#48
 Dibromochloromethane
 Concen: 10.22 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 129 Resp: 1177204
 Ion Ratio Lower Upper
 129 100
 127 78.1 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: 10.09 ppbv

RT: 14.78 min Scan# 1918

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

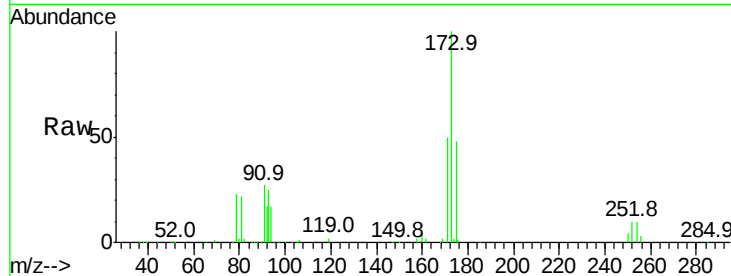
Tgt Ion:173 Resp: 981907

Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

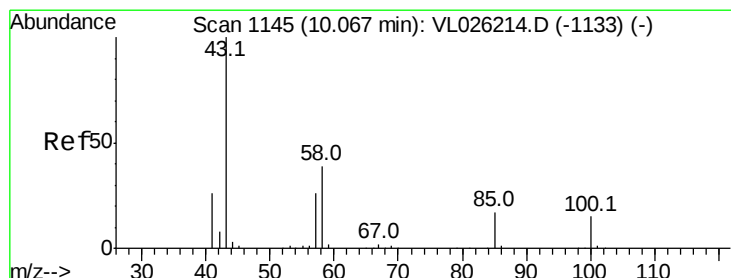
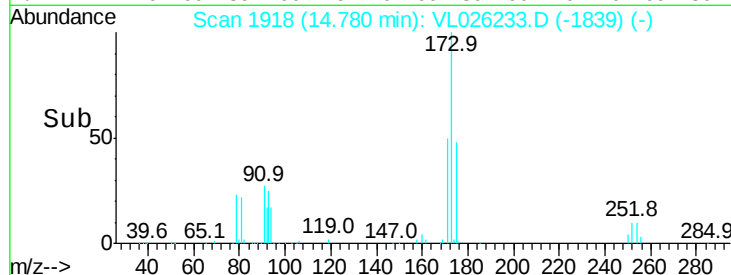
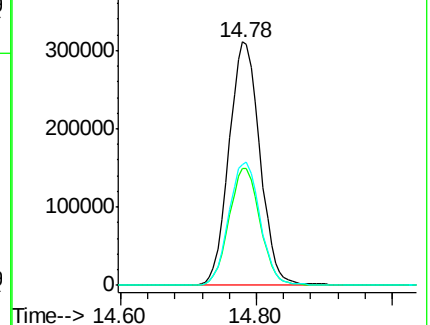
171 51.6 41.6 62.4



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: 10.37 ppbv

RT: 10.06 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL026233.D

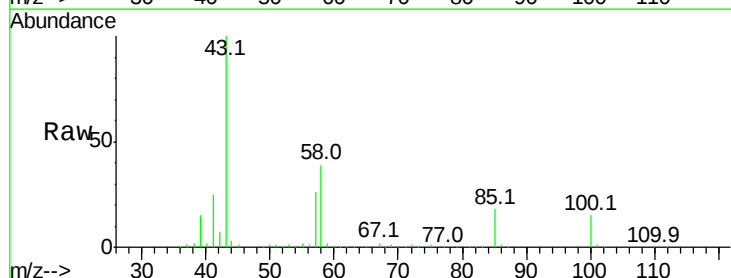
Acq: 21 Oct 2015 9:44

Tgt Ion: 43 Resp: 1242905

Ion Ratio Lower Upper

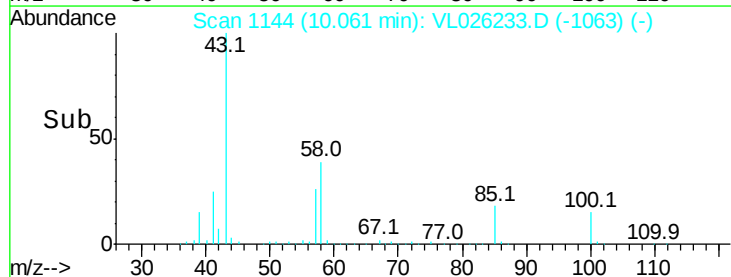
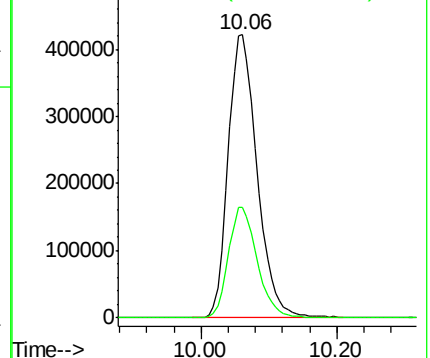
43 100

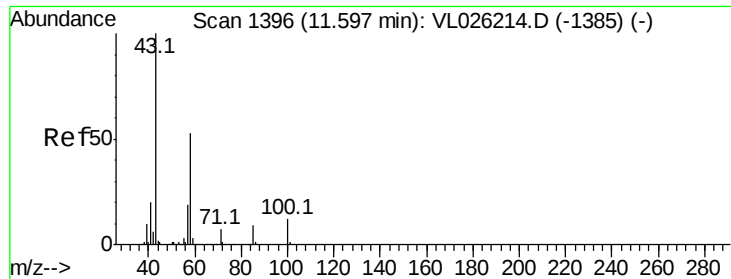
58 39.0 31.1 46.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

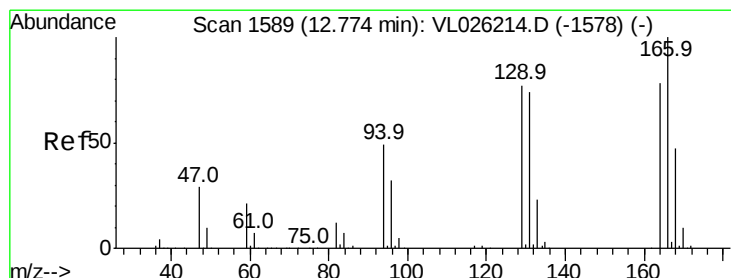
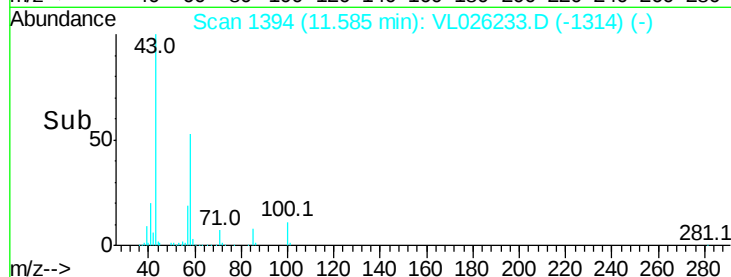
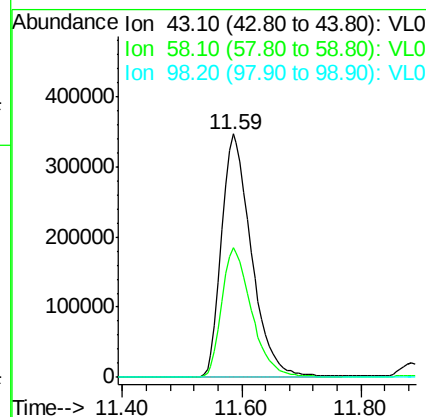
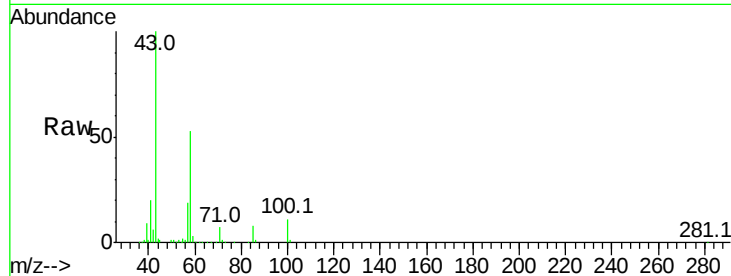




#51
2-Hexanone
Concen: 10.82 ppbv
RT: 11.59 min Scan# 1394
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

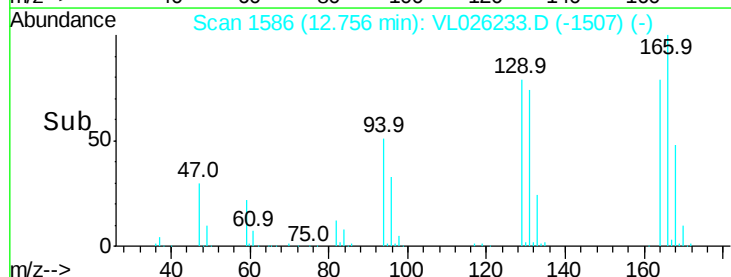
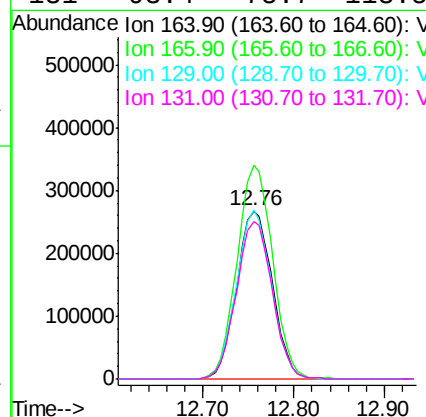
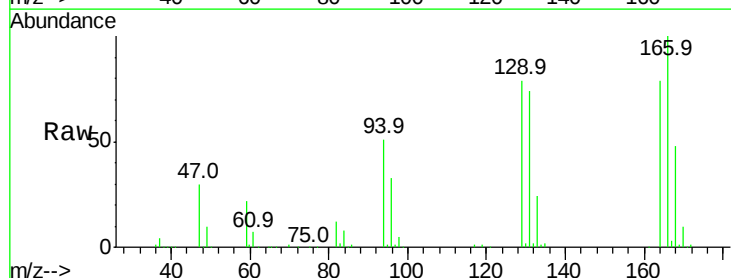
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

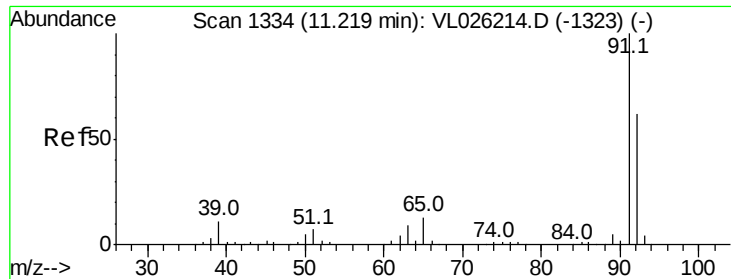
Tgt Ion: 43 Resp: 1211263
Ion Ratio Lower Upper
43 100
58 53.4 43.2 64.8
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 7.98 ppbv
RT: 12.76 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 164 Resp: 732695
Ion Ratio Lower Upper
164 100
166 127.0 102.3 153.5
129 100.3 78.2 117.4
131 93.4 75.7 113.5





#53

Toluene

Concen: 9.85 ppbv

RT: 11.20 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

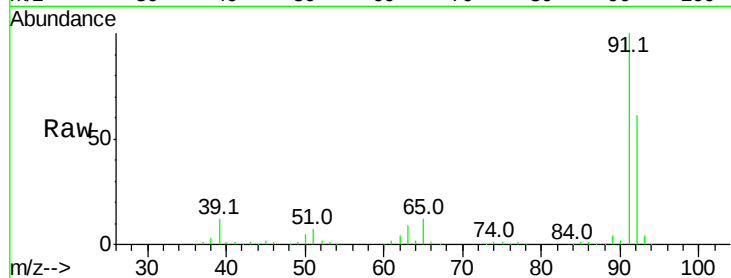
VSTDCCC010

Tgt Ion: 91 Resp: 2142656

Ion Ratio Lower Upper

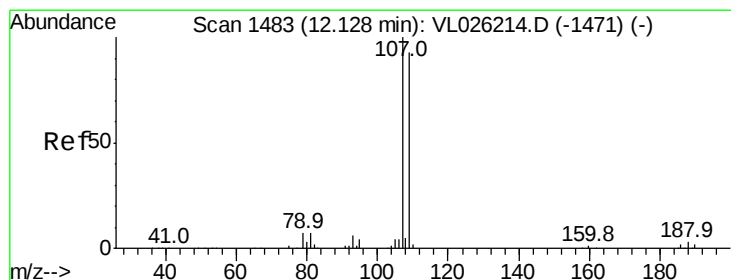
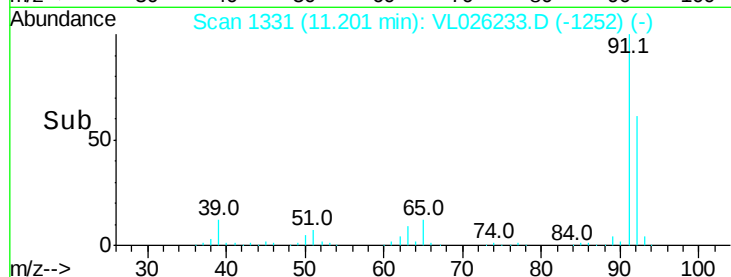
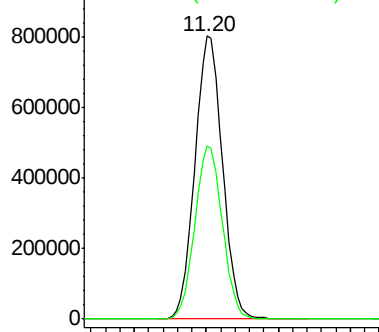
91 100

92 61.3 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.08 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL026233.D

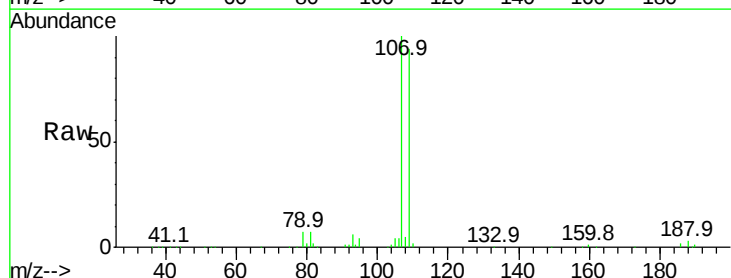
Acq: 21 Oct 2015 9:44

Tgt Ion: 107 Resp: 1102972

Ion Ratio Lower Upper

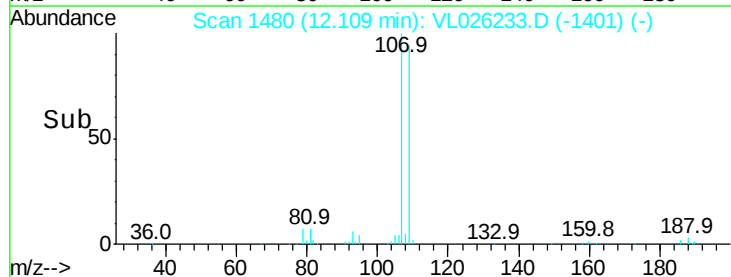
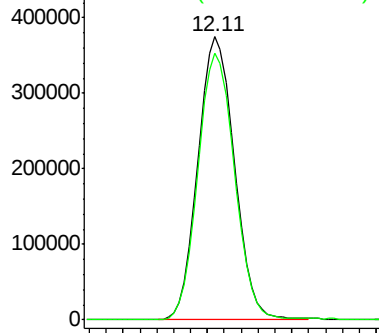
107 100

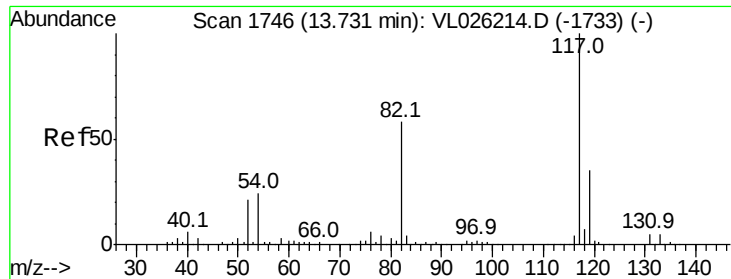
109 94.0 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

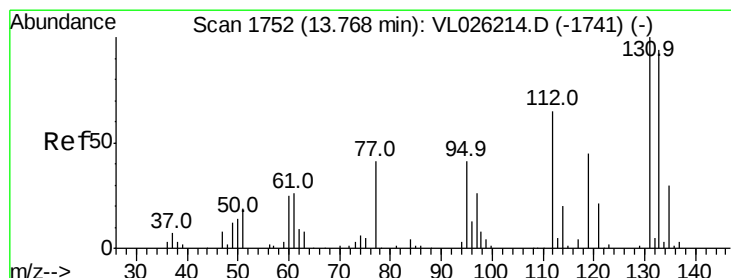
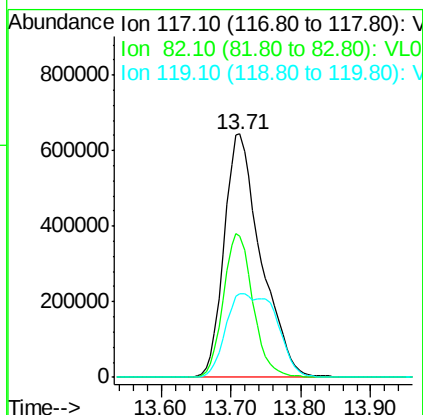
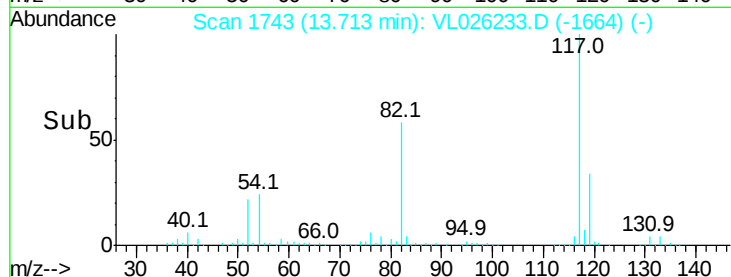
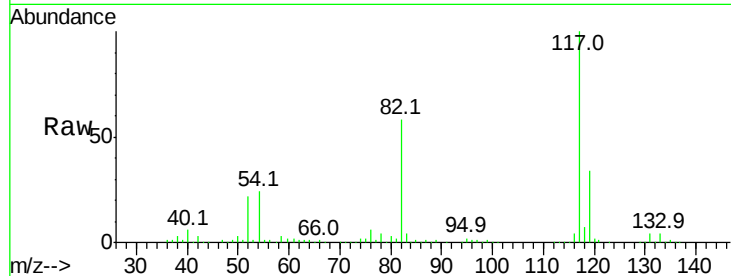




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

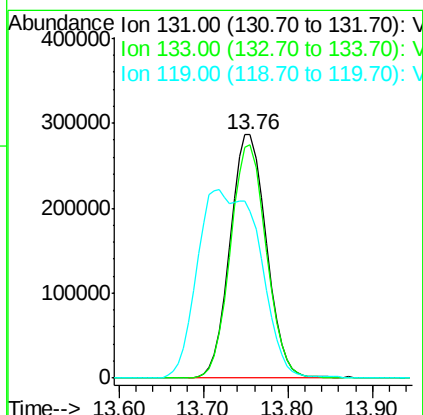
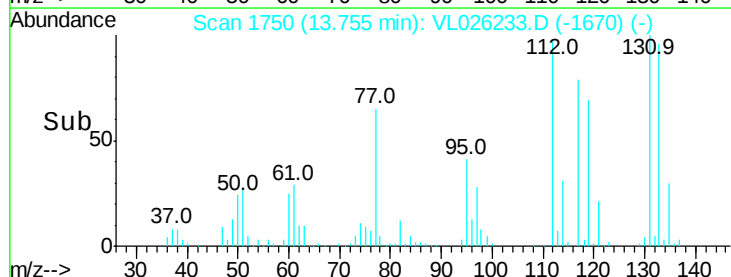
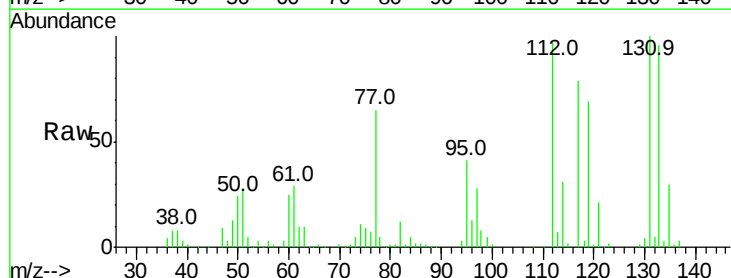
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

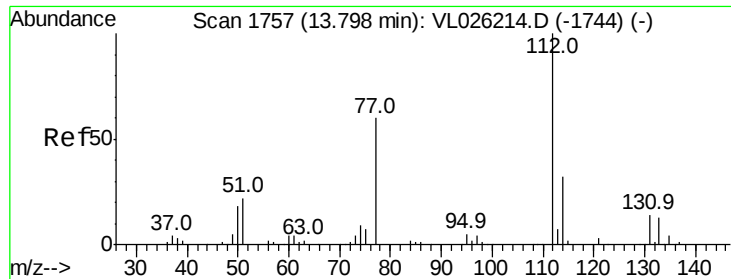
Tgt Ion:117 Resp: 2354656
Ion Ratio Lower Upper
117 100
82 47.9 45.8 68.8
119 47.8 45.0 67.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.44 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion:131 Resp: 840471
Ion Ratio Lower Upper
131 100
133 95.1 75.9 113.9
119 133.9 108.0 162.0

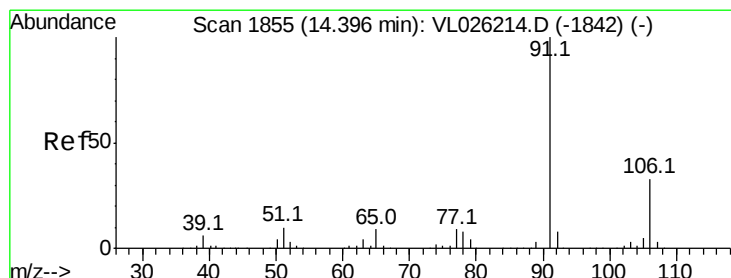
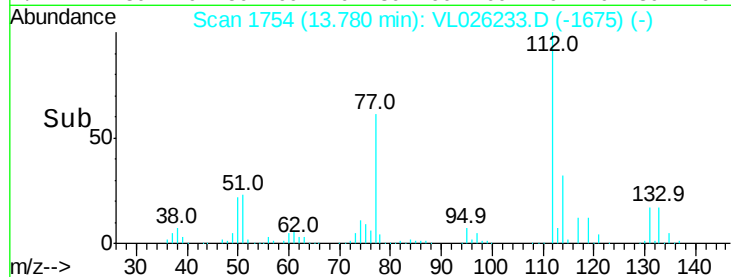
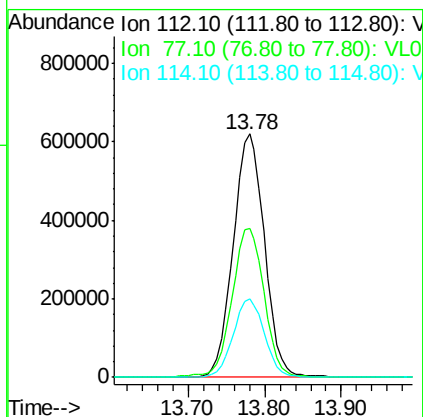
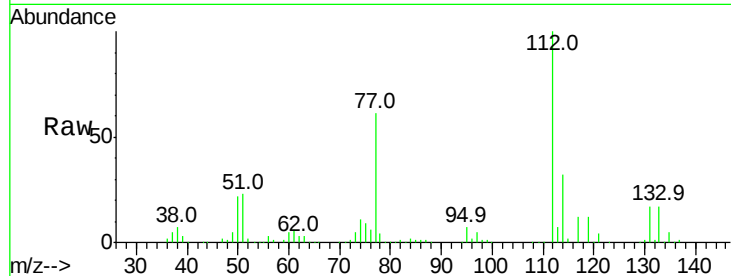




#57
Chlorobenzene
Concen: 7.82 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

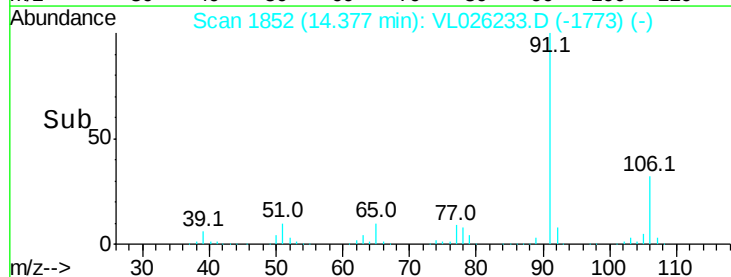
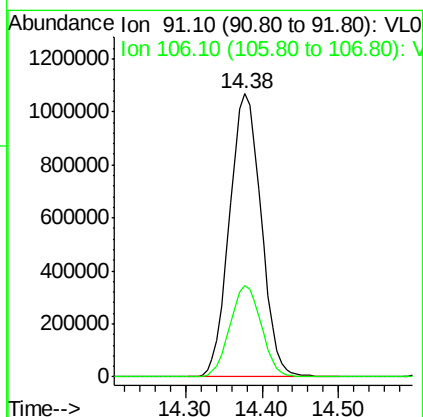
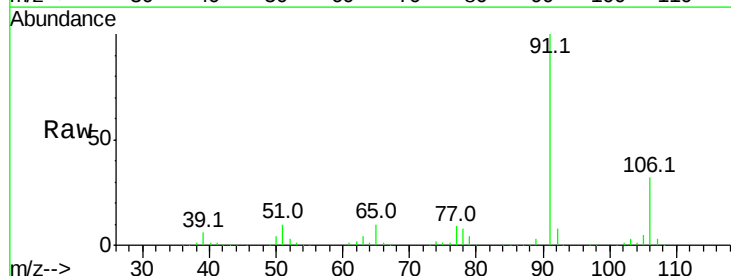
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

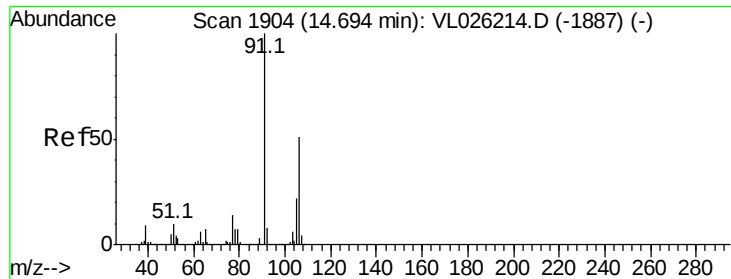
Tgt Ion: 112 Resp: 1761465
Ion Ratio Lower Upper
112 100
77 61.0 48.4 72.6
114 32.2 29.0 35.4



#58
Ethyl Benzene
Concen: 8.04 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 91 Resp: 3069468
Ion Ratio Lower Upper
91 100
106 32.3 26.1 39.1

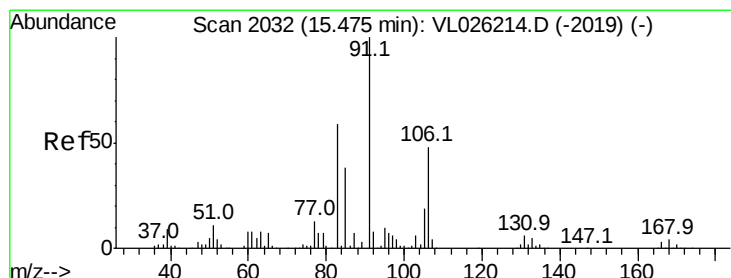
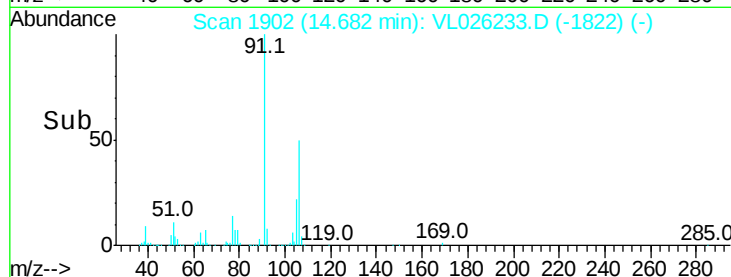
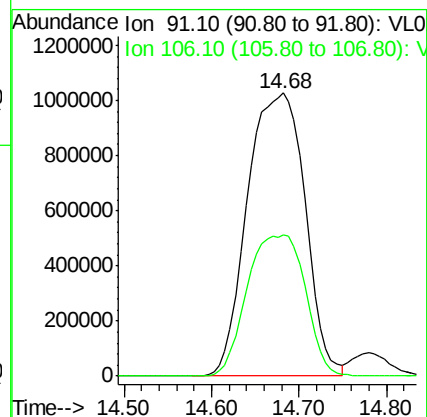
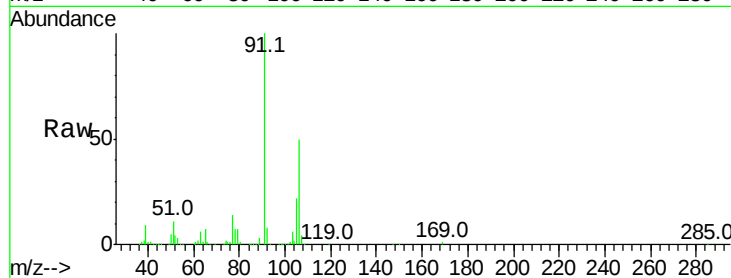




#59
m/p-Xylene
Concen: 15.67 ppbv
RT: 14.68 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

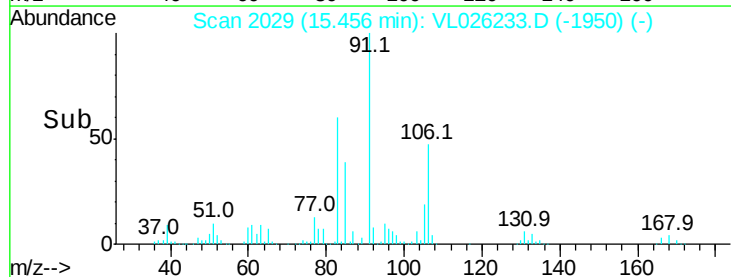
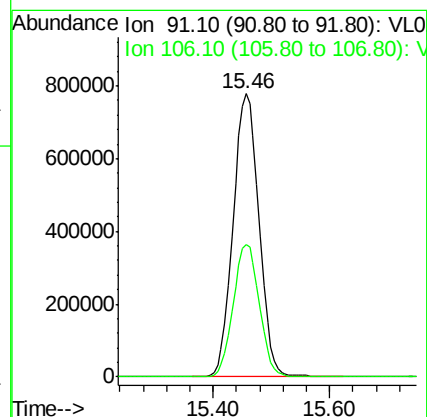
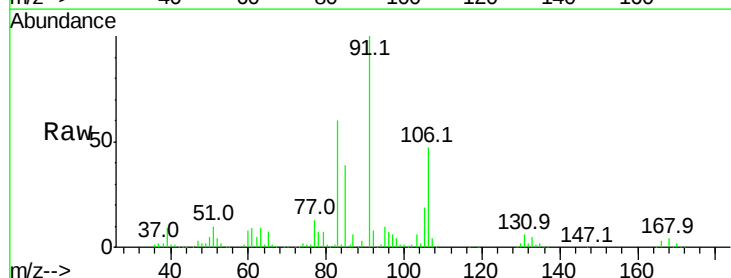
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

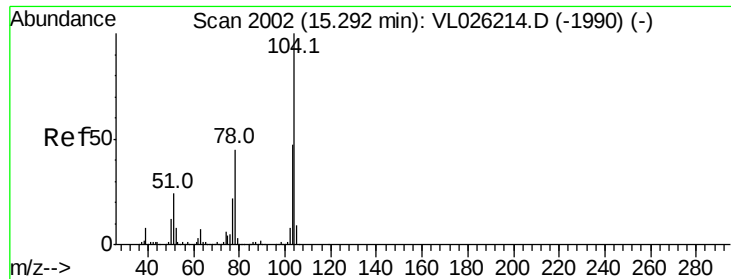
Tgt Ion: 91 Resp: 4682796
Ion Ratio Lower Upper
91 100
106 50.9 40.6 61.0



#60
o-Xylene
Concen: 7.70 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion: 91 Resp: 2405182
Ion Ratio Lower Upper
91 100
106 47.2 23.8 71.5

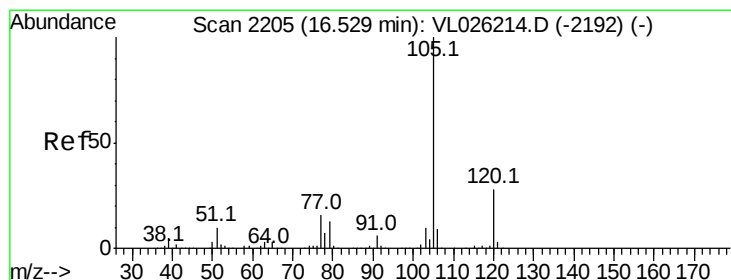
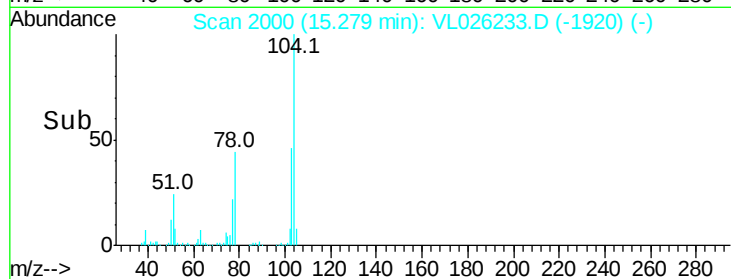
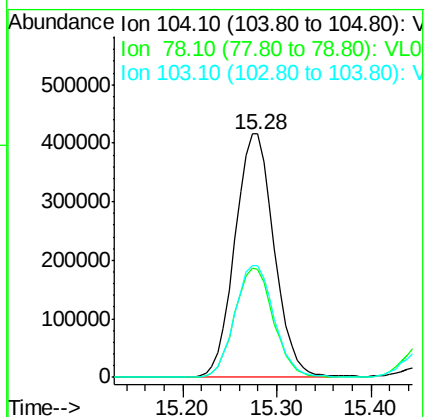
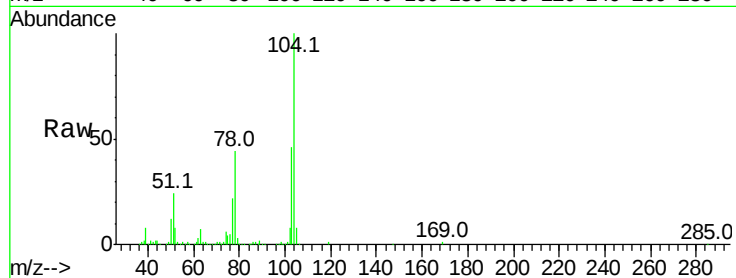




#61
Styrene
Concen: 8.56 ppbv
RT: 15.28 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

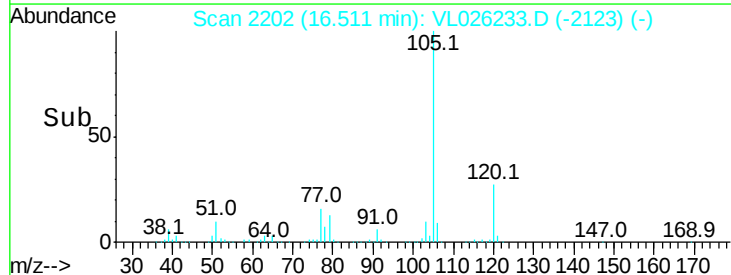
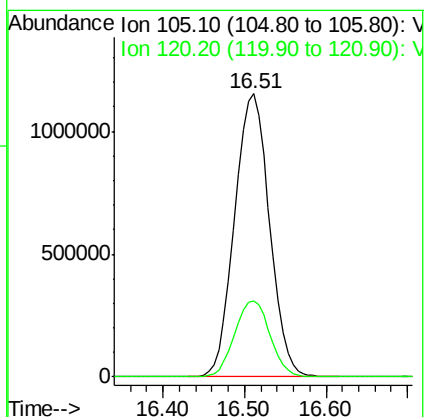
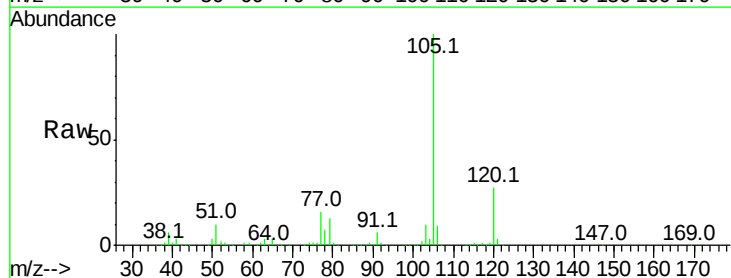
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

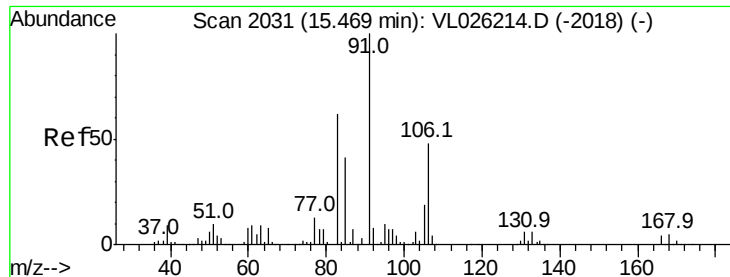
Tgt Ion:104 Resp: 1209590
Ion Ratio Lower Upper
104 100
78 44.6 35.3 52.9
103 46.3 37.0 55.4



#62
Isopropylbenzene
Concen: 7.88 ppbv
RT: 16.51 min Scan# 2202
Delta R.T. -0.02 min
Lab File: VL026233.D
Acq: 21 Oct 2015 9:44

Tgt Ion:105 Resp: 3423088
Ion Ratio Lower Upper
105 100
120 27.2 21.8 32.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.61 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

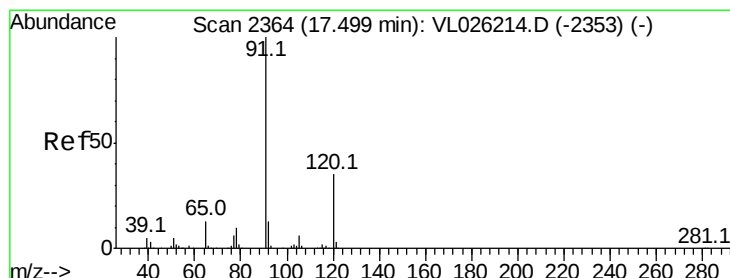
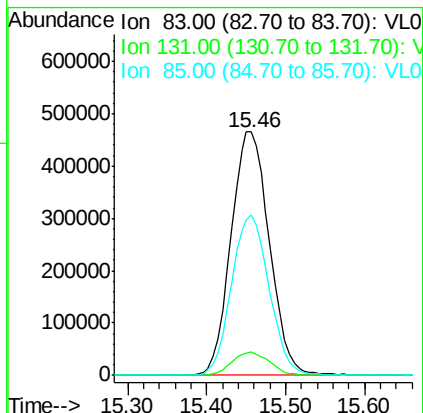
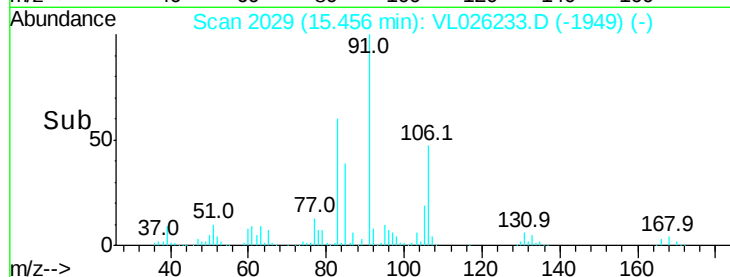
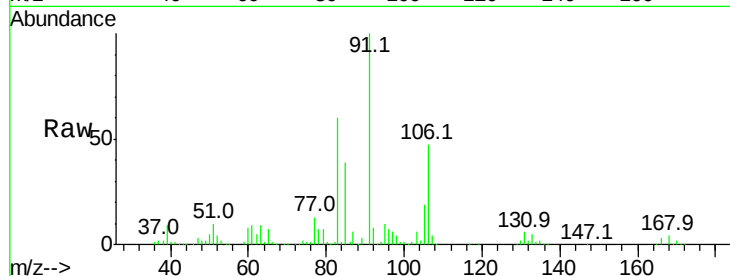
Tgt Ion: 83 Resp: 1571964

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 64.9 32.3 96.9



#64

n-propylbenzene

Concen: 7.97 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. -0.01 min

Lab File: VL026233.D

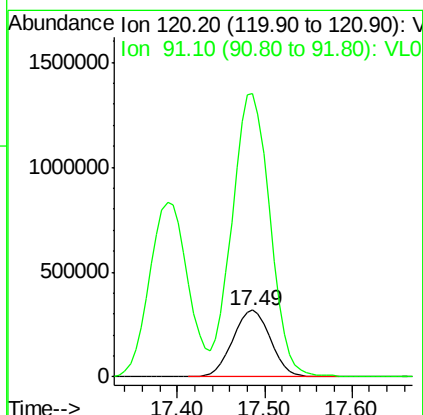
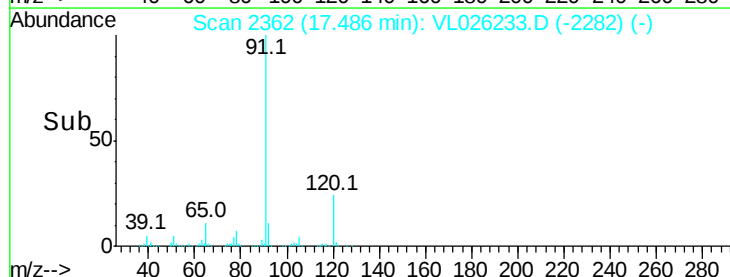
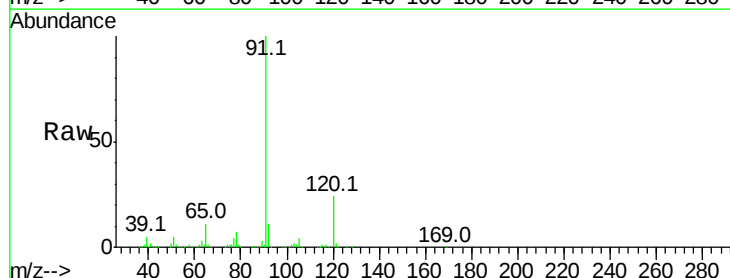
Acq: 21 Oct 2015 9:44

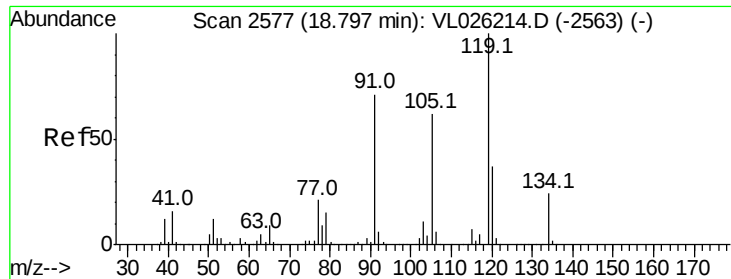
Tgt Ion: 120 Resp: 952555

Ion Ratio Lower Upper

120 100

91 433.2 331.7 497.5

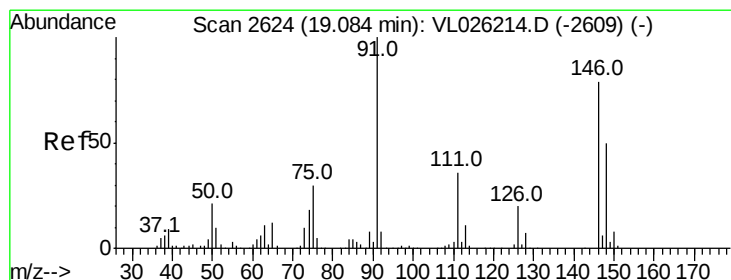
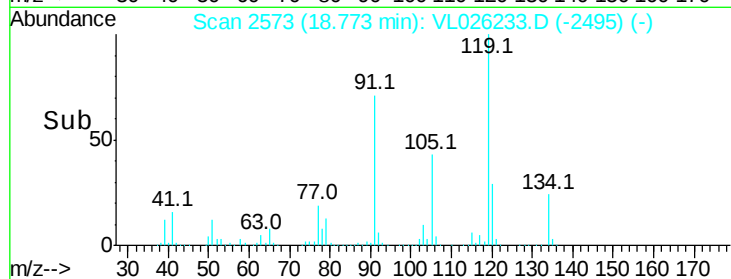
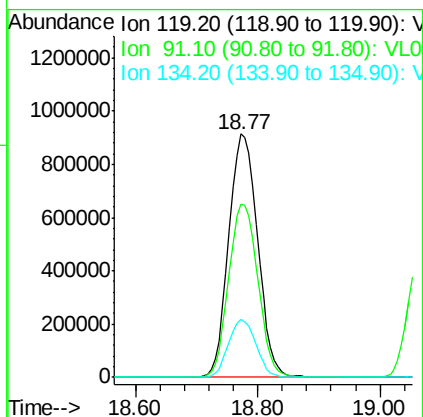
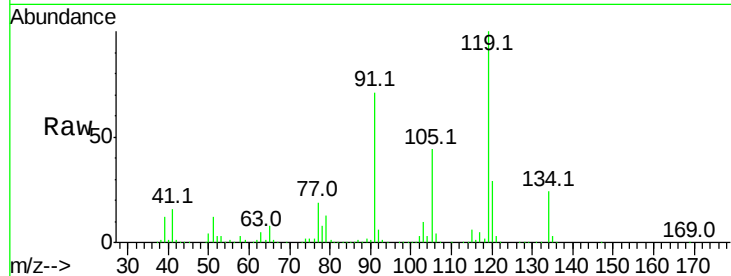




#65
 tert-Butylbenzene
 Concen: 7.50 ppbv
 RT: 18.77 min Scan# 2573
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

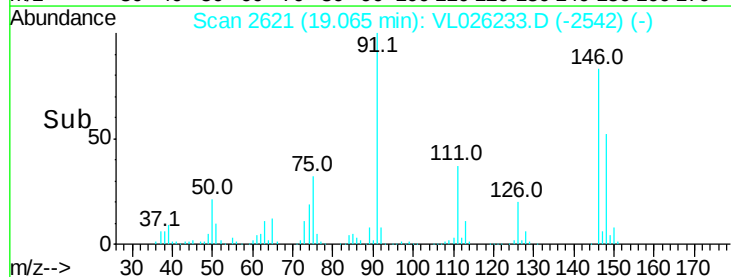
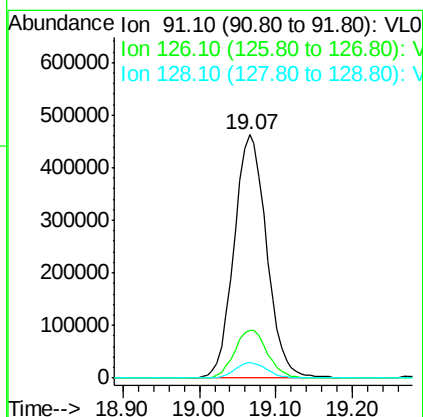
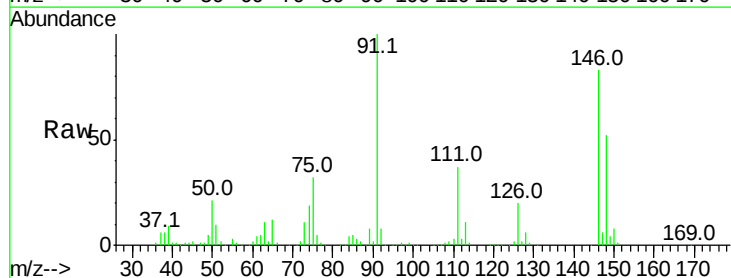
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

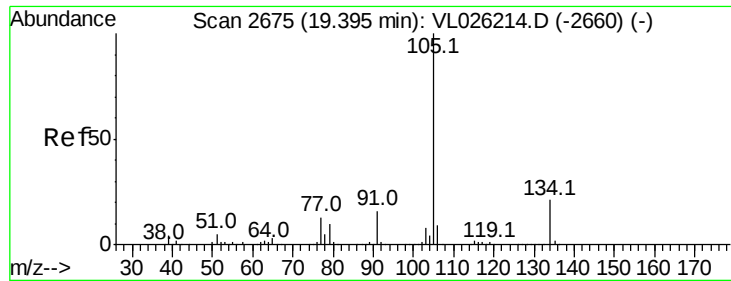
Tgt Ion: 119 Resp: 2974097
 Ion Ratio Lower Upper
 119 100
 91 72.1 57.5 86.3
 134 22.6 18.1 27.1



#66
 Benzyl Chloride
 Concen: 8.30 ppbv
 RT: 19.07 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 91 Resp: 1358693
 Ion Ratio Lower Upper
 91 100
 126 20.0 16.2 24.2
 128 6.4 5.1 7.7

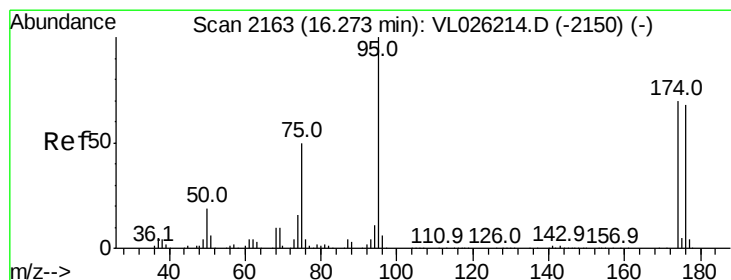
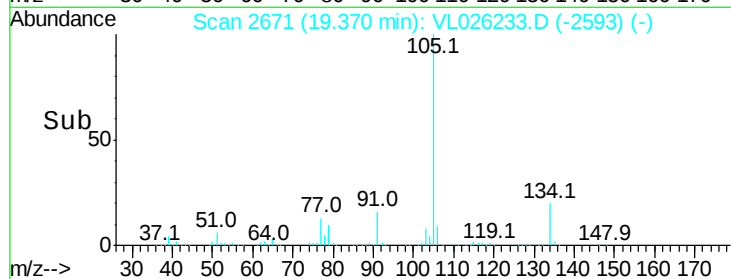
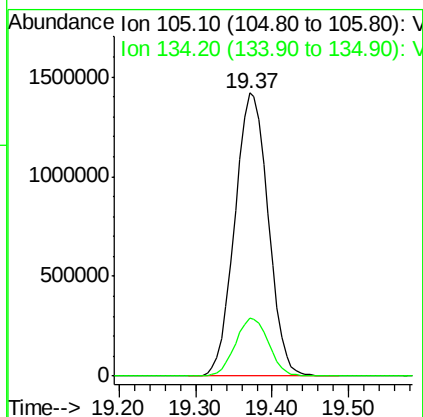
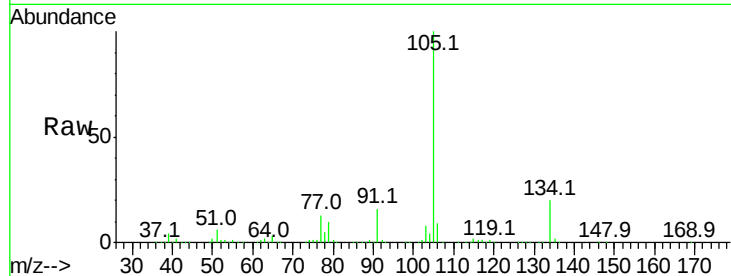




#67
 sec-Butylbenzene
 Concen: 7.80 ppbv
 RT: 19.37 min Scan# 2671
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

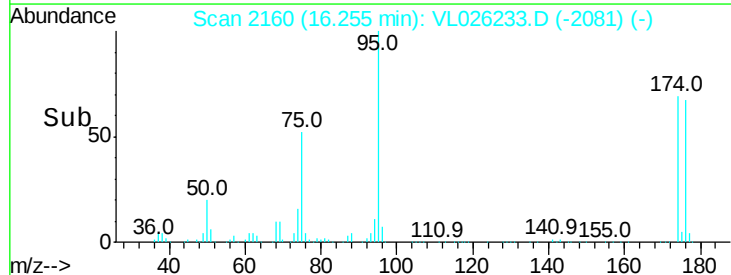
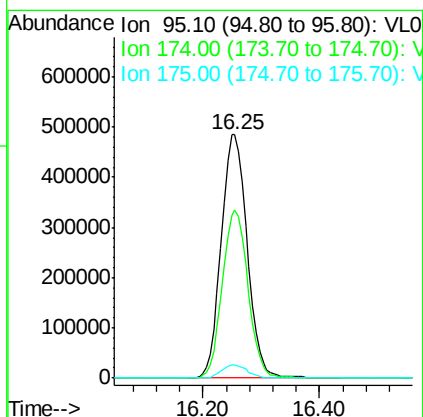
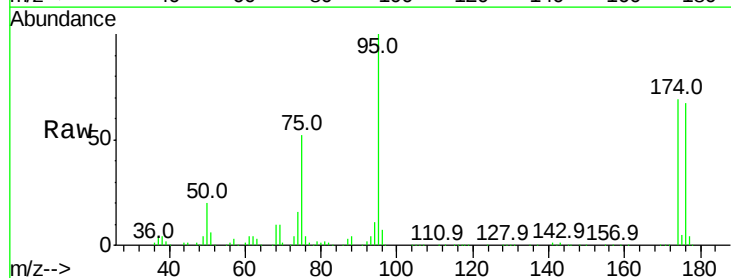
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

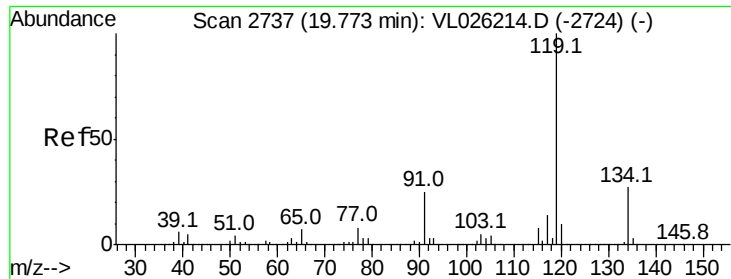
Tgt Ion: 105 Resp: 4312338
 Ion Ratio Lower Upper
 105 100
 134 20.2 16.2 24.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.28 ppbv
 RT: 16.25 min Scan# 2160
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 95 Resp: 1504186
 Ion Ratio Lower Upper
 95 100
 174 68.5 55.8 83.8
 175 5.3 4.3 6.5

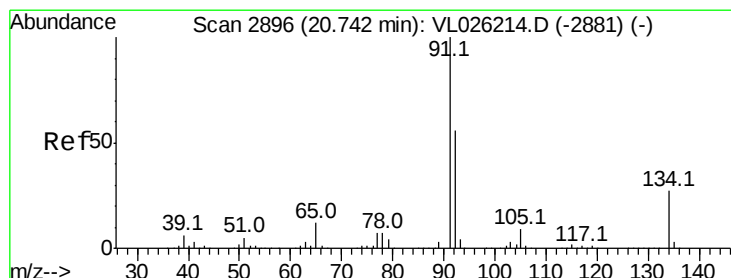
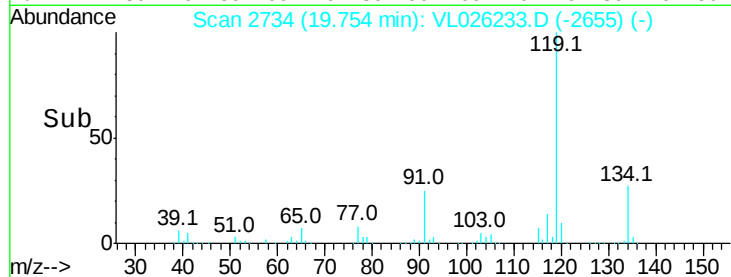
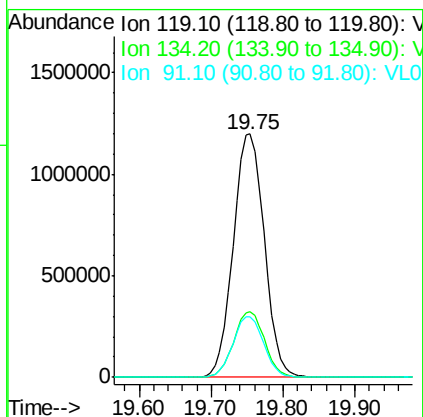
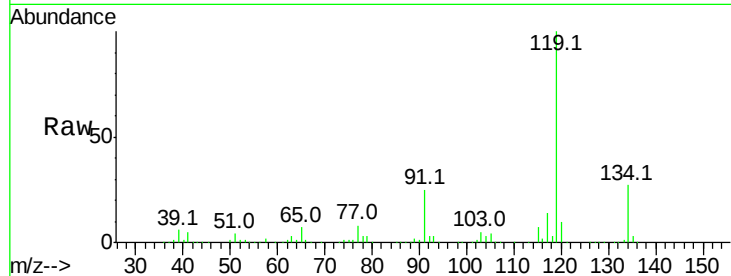




#69
 p-Isopropyltoluene
 Concen: 7.77 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

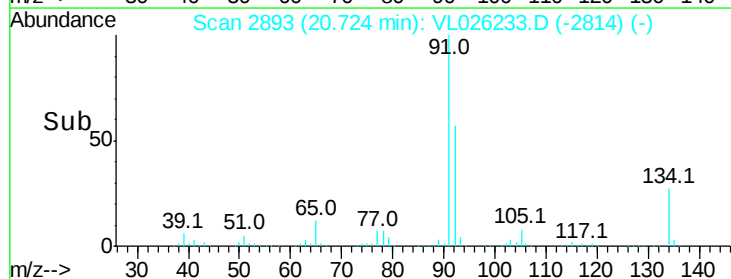
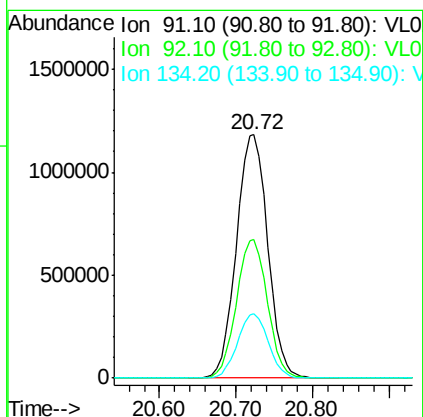
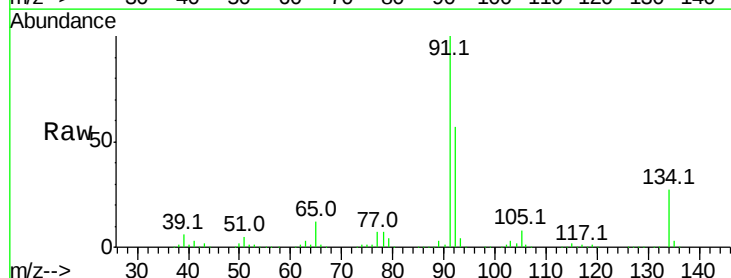
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

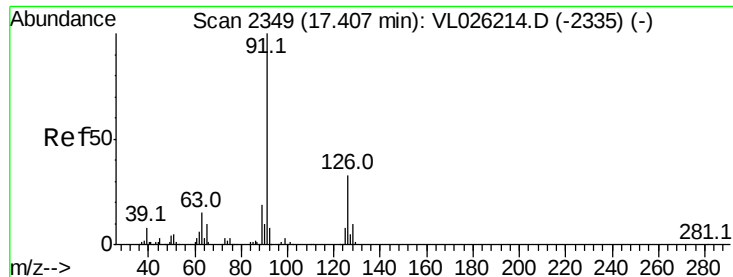
Tgt Ion: 119 Resp: 3592076
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.4 32.0
 91 24.6 19.5 29.3



#70
 n-Butylbenzene
 Concen: 7.95 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion: 91 Resp: 3358103
 Ion Ratio Lower Upper
 91 100
 92 56.3 45.0 67.6
 134 26.1 21.4 32.0





#71

2-Chlorotoluene

Concen: 8.07 ppbv

RT: 17.39 min Scan# 2346

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

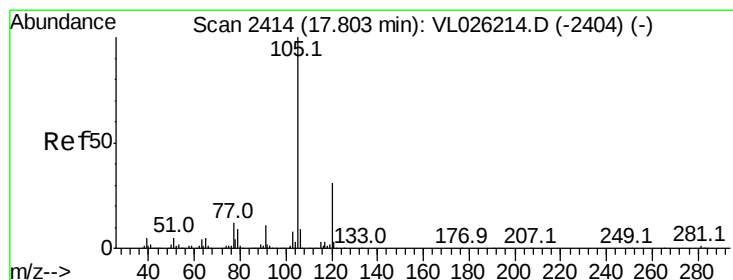
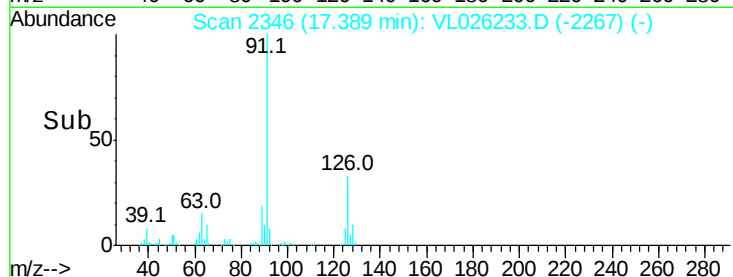
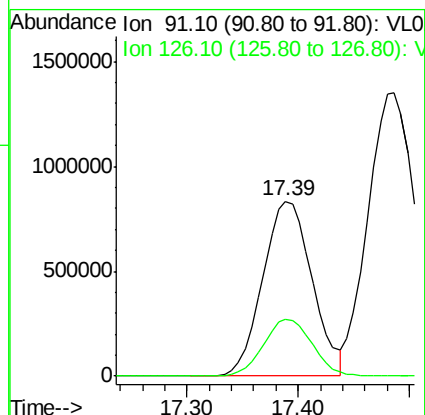
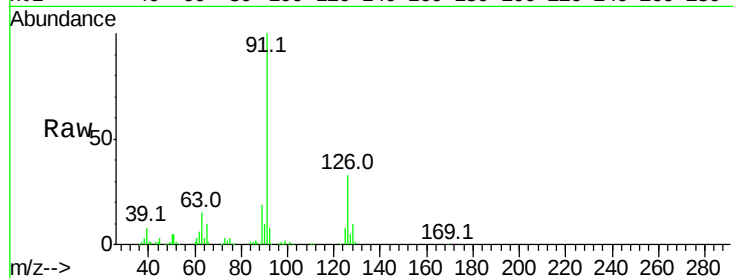
VSTDCCC010

Tgt Ion: 91 Resp: 2582249

Ion Ratio Lower Upper

91 100

126 32.2 12.9 51.7



#72

4-Ethyltoluene

Concen: 8.11 ppbv

RT: 17.79 min Scan# 2411

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Tgt Ion: 105 Resp: 2948764

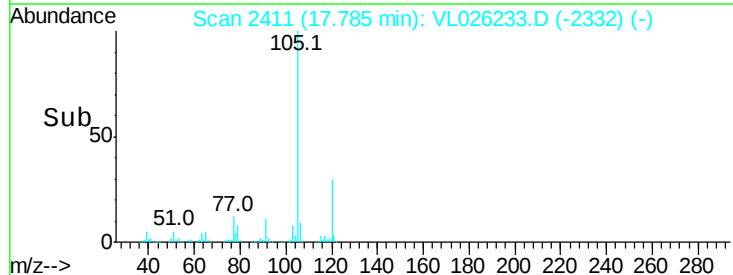
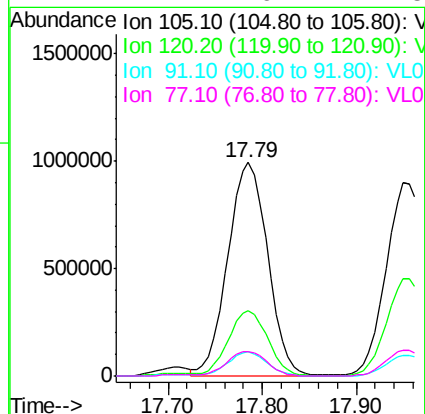
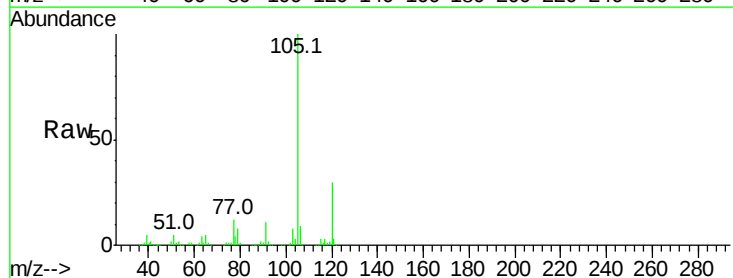
Ion Ratio Lower Upper

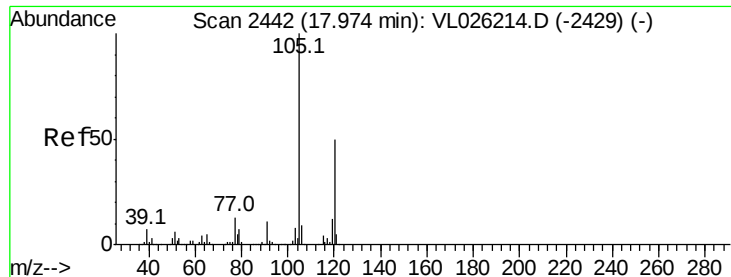
105 100

120 31.6 25.2 37.8

91 11.7 9.0 13.6

77 12.1 9.7 14.5

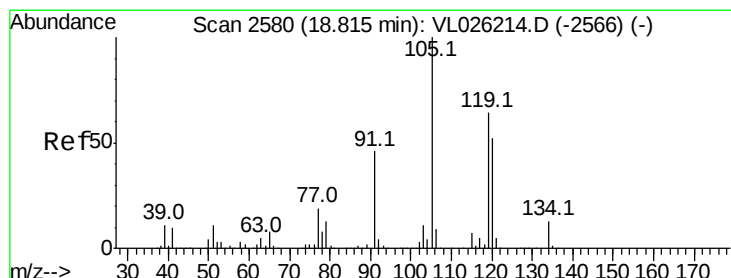
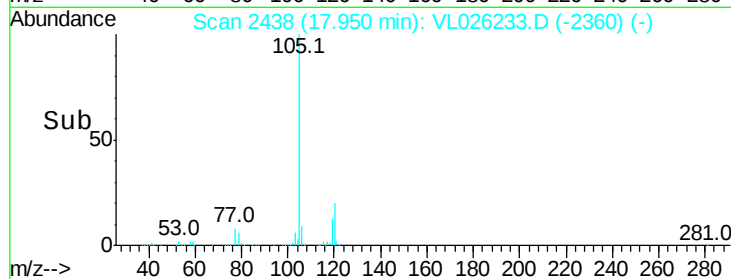
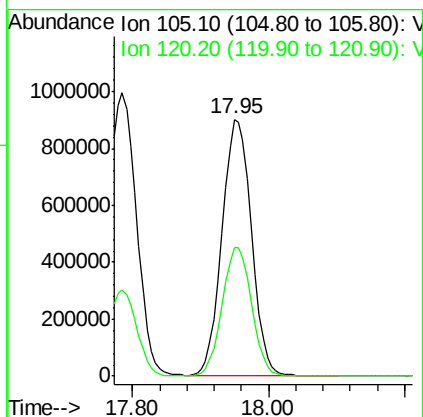
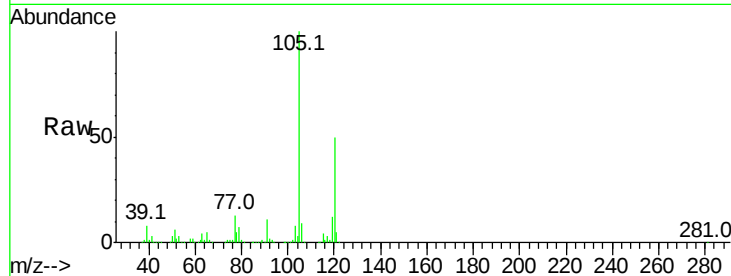




#73
 1,3,5-Trimethylbenzene
 Concen: 8.01 ppbv
 RT: 17.95 min Scan# 2438
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

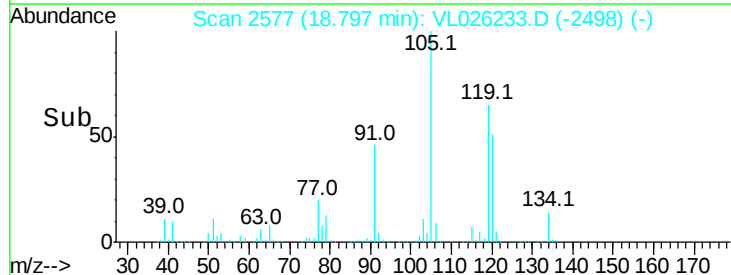
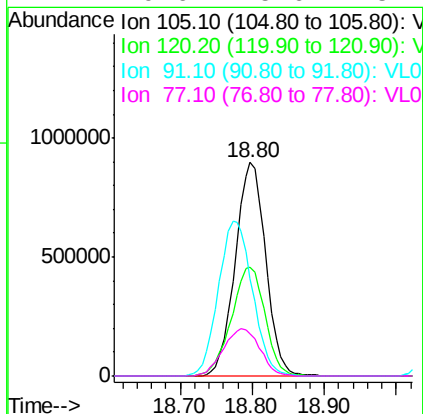
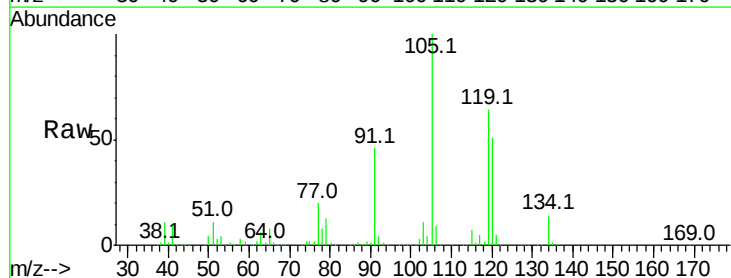
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

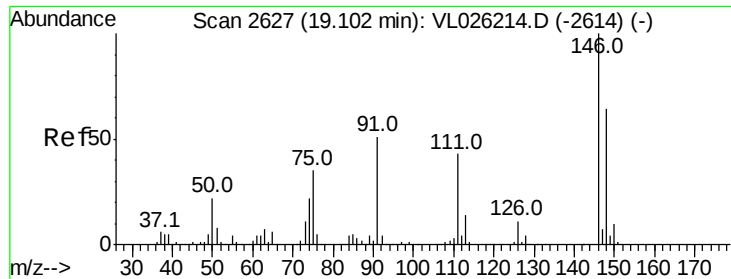
Tgt Ion:105 Resp: 2712658
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.8 59.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.51 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Tgt Ion:105 Resp: 2638779
 Ion Ratio Lower Upper
 105 100
 120 51.1 41.2 61.8
 91 45.7 37.2 55.8
 77 19.6 15.6 23.4





#75

1,3-Dichlorobenzene

Concen: 7.77 ppbv

RT: 19.08 min Scan# 2624

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

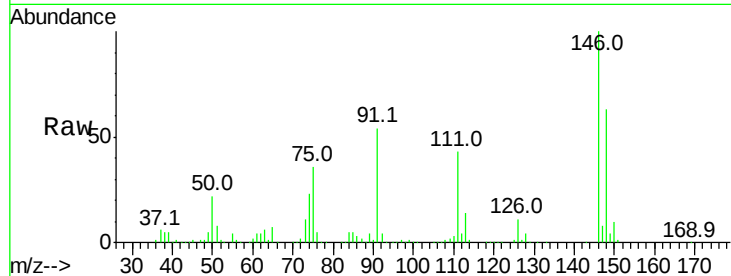
Tgt Ion:146 Resp: 1783762

Ion Ratio Lower Upper

146 100

111 43.1 21.6 64.8

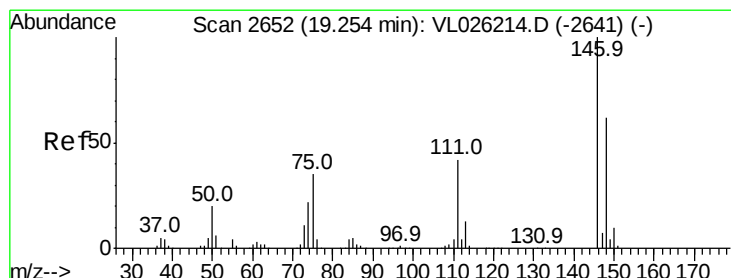
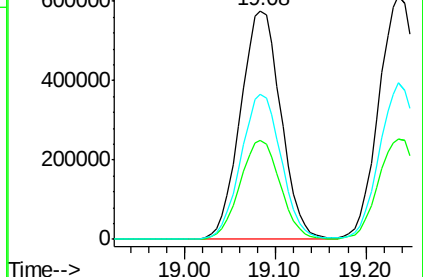
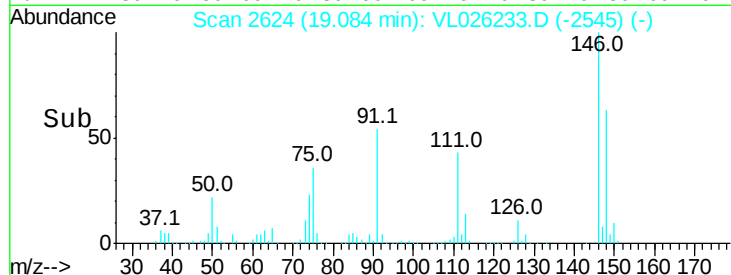
148 63.3 31.8 95.4



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: 7.82 ppbv

RT: 19.24 min Scan# 2649

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

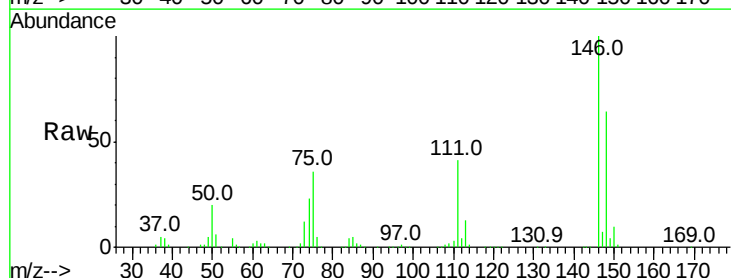
Tgt Ion:146 Resp: 1874173

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

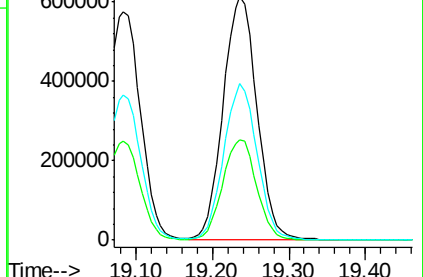
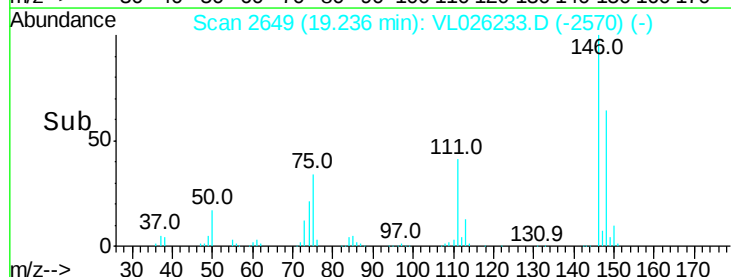
148 64.1 31.9 95.9

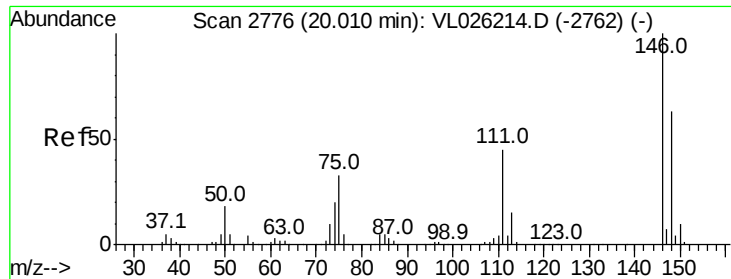


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.82 ppbv

RT: 19.99 min Scan# 2772

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

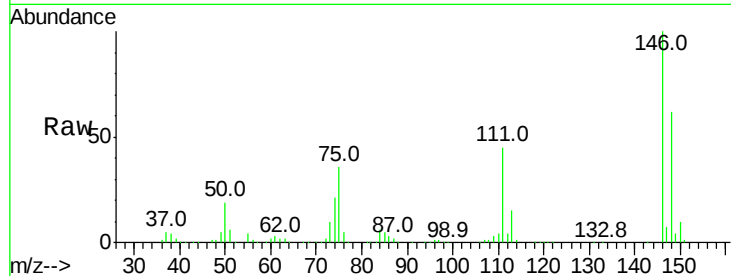
Tgt Ion:146 Resp: 1809623

Ion Ratio Lower Upper

146 100

111 45.2 22.6 67.7

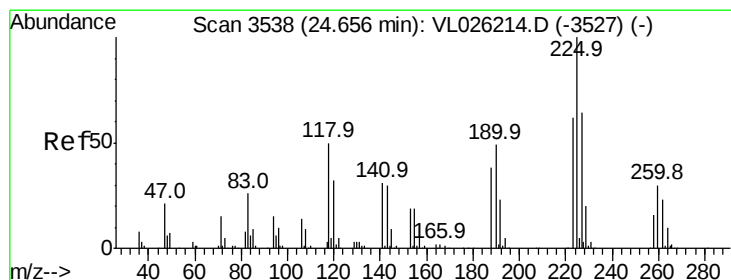
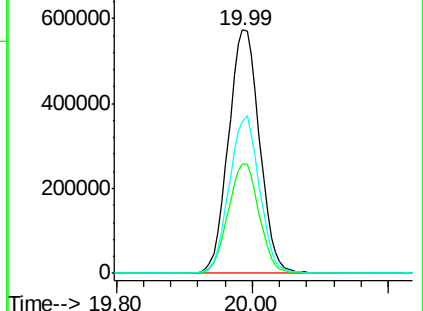
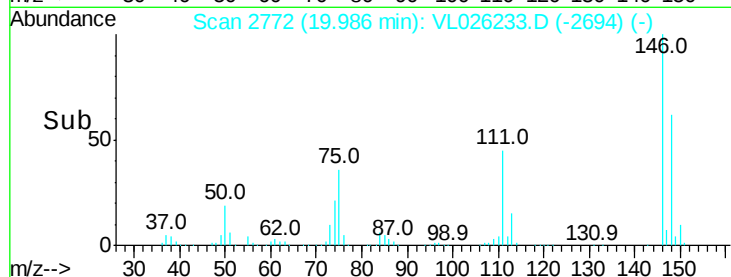
148 63.4 31.6 95.0



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: 6.48 ppbv

RT: 24.64 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

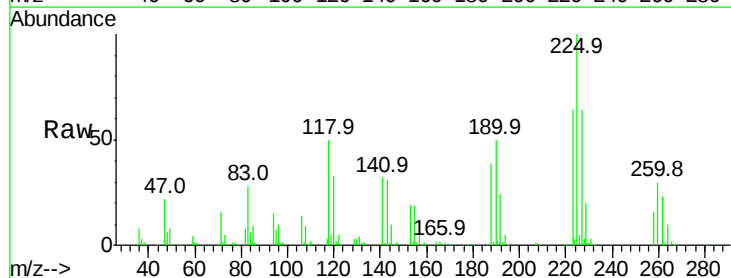
Tgt Ion:225 Resp: 769212

Ion Ratio Lower Upper

225 100

223 63.3 50.2 75.2

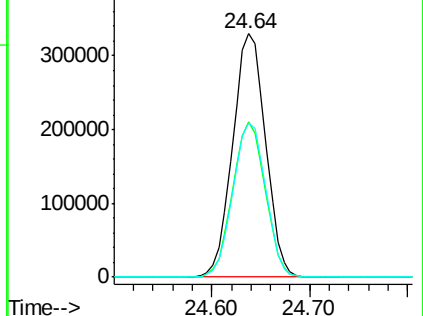
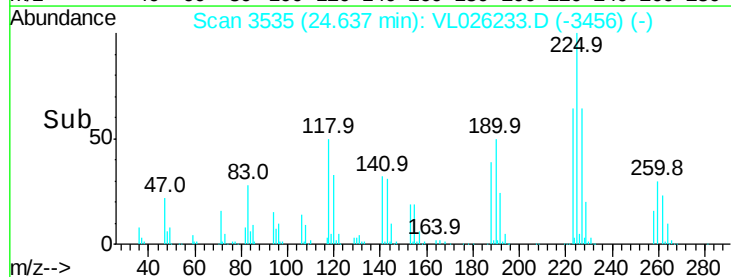
227 63.7 50.8 76.2

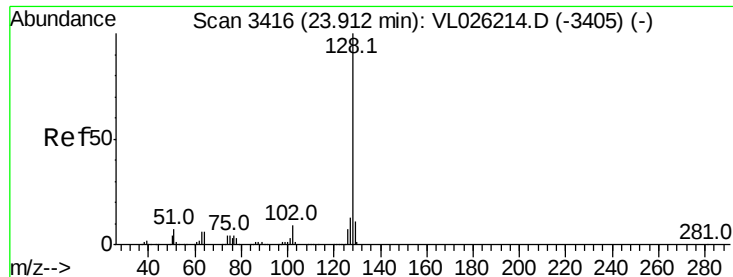


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.91 ppbv

RT: 23.89 min Scan# 3413

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

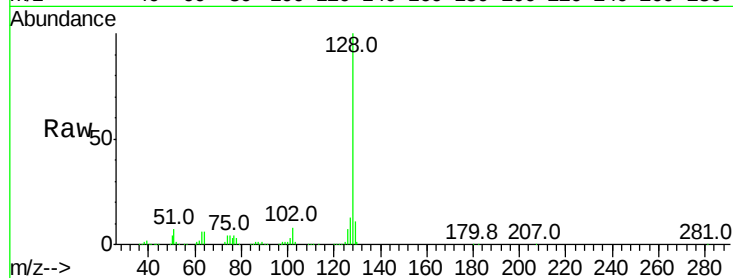
Tgt Ion:128 Resp: 2447415

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

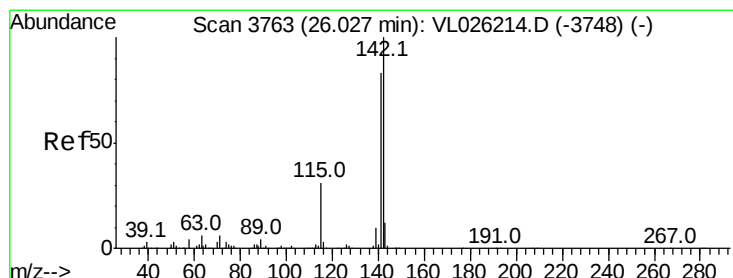
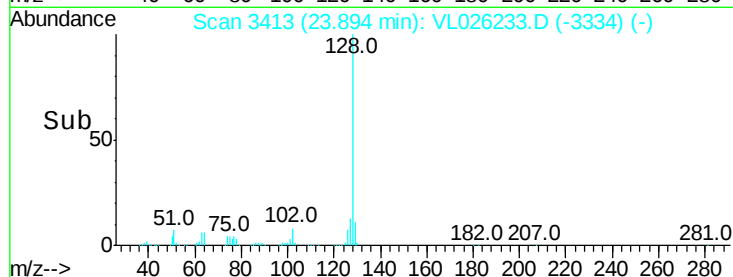
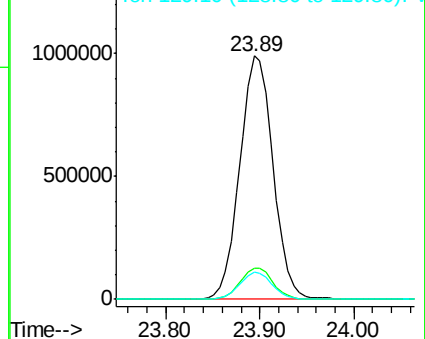
129 11.2 8.8 13.2



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: 7.53 ppbv

RT: 26.00 min Scan# 3759

Delta R.T. -0.02 min

Lab File: VL026233.D

Acq: 21 Oct 2015 9:44

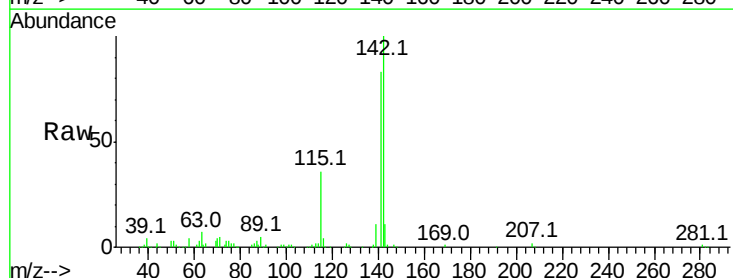
Tgt Ion:142 Resp: 418632

Ion Ratio Lower Upper

142 100

141 83.6 66.5 99.7

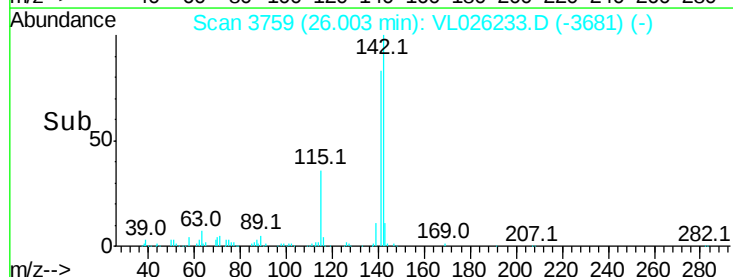
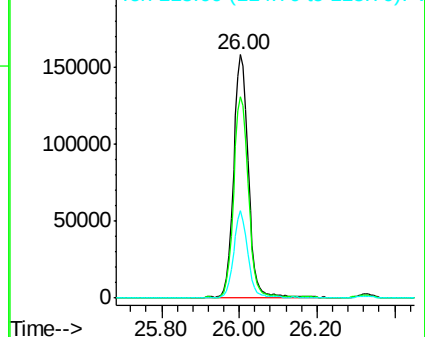
115 34.3 24.2 36.4

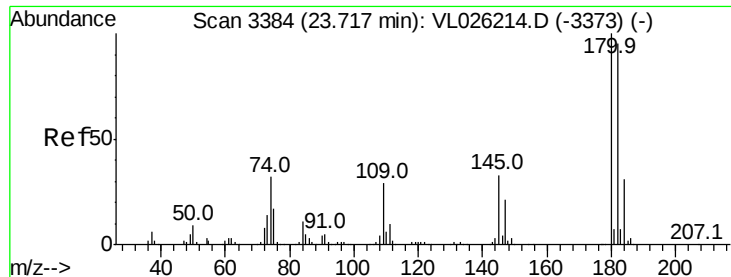


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

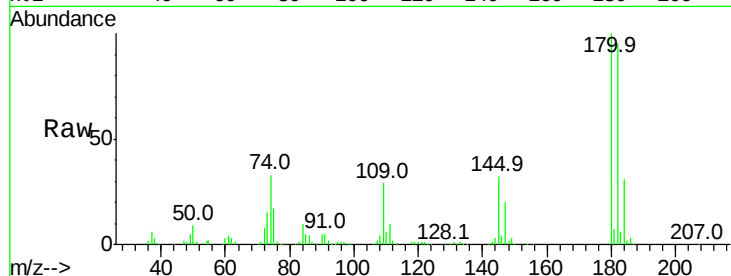




#81
 1,2,4-Trichlorobenzene
 Concen: 7.49 ppbv
 RT: 23.70 min Scan# 3381
 Delta R.T. -0.02 min
 Lab File: VL026233.D
 Acq: 21 Oct 2015 9:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1115118
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 184 30.3 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

