

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026823.D
 Acq On : 9 Feb 2016 16:54
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Feb 10 02:08:13 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 01:55:45 2016
 QLast Update : Wed Feb 10 02:03:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1683263	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.38	114	4359025	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	5331545	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.35	95	2997558	6.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	66.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.67	85	3580299	6.70	ppbv	100
3) Chlorodifluoromethane	3.60	51	1765712	5.46	ppbv	100
4) Chloromethane	3.78	50	1007654	10.08	ppbv	100
5) Vinyl Chloride	3.92	62	1126377	9.50	ppbv	100
6) Bromomethane	4.17	94	961907	9.42	ppbv	100
7) Chloroethane	4.27	64	513613	9.42	ppbv	100
8) Dichlorotetrafluoroethane	3.84	85	3075006	7.86	ppbv	100
9) Propene	3.62	41	741444	11.20	ppbv	100
10) Heptane	9.40	43	2486447	9.80	ppbv	100
11) Trichlorofluoromethane	4.73	101	4128167	6.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	2962366	8.20	ppbv	100
13) Ethanol	4.36	45	130533	8.58	ppbv	100
14) Bromoethene	4.48	108	1100758	9.43	ppbv	100
15) Acetone	4.64	43	1821825	4.60	ppbv	100
16) 1,3-Butadiene	4.00	39	884595	8.16	ppbv	100
17) tert-Butyl alcohol	5.17	59	1733089	8.16	ppbv	100
18) 1,1-Dichloroethene	5.12	96	1257612	9.06	ppbv	100
19) Isopropyl Alcohol	4.79	45	937968	8.99	ppbv	100
20) Methylene Chloride	5.18	84	1128198	8.77	ppbv	100
21) Allyl Chloride	5.26	41	1434190	8.56	ppbv	100
22) trans-1,2-Dichloroethene	5.81	96	1155476	8.73	ppbv	100
23) Vinyl Acetate	6.03	43	3278396	7.79	ppbv	100
24) 1,1-Dichloroethane	5.95	63	2432571	8.23	ppbv	100
25) Ethyl Acetate	6.71	43	3747409	9.61	ppbv	100
26) Hexane	6.70	57	1996745	10.29	ppbv	100
27) Carbon Disulfide	5.43	76	3379245	8.74	ppbv	100
28) Methyl tert-Butyl Ether	5.99	73	3235858	7.48	ppbv	100
29) Chloroform	6.79	83	2960626	6.82	ppbv	100
30) Cyclohexane	8.33	84	1655653	8.28	ppbv	100
31) cis-1,2-Dichloroethene	6.56	61	1734689	8.23	ppbv	100
32) 1,1,1-Trichloroethane	7.64	97	3037040	6.14	ppbv	100
34) 2-Butanone	6.24	43	2191517	10.81	ppbv	100
35) Carbon Tetrachloride	8.21	117	3319748	7.67	ppbv	100
36) Benzene	8.07	78	3708707	10.15	ppbv	100
37) 1,2-Dichloroethane	7.42	62	2246539	7.15	ppbv	100
38) Trichloroethene	9.12	130	1743555	10.10	ppbv	100
39) 1,2-Dichloropropane	8.88	63	1315769	10.71	ppbv	100
40) 1,4-Dioxane	9.16	88	308490	10.26	ppbv	100
41) Tetrahydrofuran	7.17	42	1220840	13.33	ppbv	100
42) Bromodichloromethane	9.07	83	3142073	7.71	ppbv	100
43) Methyl Methacrylate	9.31	69	1416130	10.07	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	6403801	11.02	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	2045947	8.40	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	2405851	9.23	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	1518853	7.82	ppbv	100
48) Dibromochloromethane	11.85	129	2692186	7.36	ppbv	100
49) Bromoform	14.87	173	2119123	6.74	ppbv	100
50) 4-Methyl-2-Pentanone	10.14	43	2889822	10.25	ppbv	100
51) 2-Hexanone	11.66	43	2647118	9.75	ppbv	100
52) Tetrachloroethene	12.85	164	1543070	7.52	ppbv	100
53) Toluene	11.29	91	4492608	8.37	ppbv	100
54) 1,2-Dibromoethane	12.19	107	2337724	7.11	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	2023694	7.18	ppbv	100
57) Chlorobenzene	13.87	112	3668155	6.80	ppbv	100
58) Ethyl Benzene	14.47	91	5909568	6.77	ppbv	100
59) m/p-Xylene	14.77	91	9744044	12.74	ppbv	100
60) o-Xylene	15.55	91	5358882	6.34	ppbv	100
61) Styrene	15.37	104	2022934	6.66	ppbv	100
62) Isopropylbenzene	16.60	105	6394790	5.80	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	3543367	6.49	ppbv	100
64) n-propylbenzene	17.58	120	1654545	5.35	ppbv	100
65) tert-Butylbenzene	18.87	119	6208664	5.57	ppbv	100
66) Benzyl Chloride	19.16	91	2265231	5.39	ppbv	100
67) sec-Butylbenzene	19.47	105	7852813	4.82	ppbv	100
69) p-Isopropyltoluene	19.85	119	6657181	5.05	ppbv	100
70) n-Butylbenzene	20.81	91	6358617	4.64	ppbv	100
71) 2-Chlorotoluene	17.49	91	4666501	5.44	ppbv	100
72) 4-Ethyltoluene	17.88	105	5218742	5.43	ppbv	100
73) 1,3,5-Trimethylbenzene	18.05	105	4987599	5.27	ppbv	100
74) 1,2,4-Trimethylbenzene	18.89	105	5575110	5.33	ppbv	100
75) 1,3-Dichlorobenzene	19.18	146	3245325	4.72	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	3230899	4.69	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	3069751	4.30	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	1256954	3.60	ppbv	100
79) Naphthalene	23.98	128	2479163	2.74	ppbv	100
80) Naphthalene,2-methyl-	26.09	142	945965	6.05	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	1330697	3.35	ppbv	100

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

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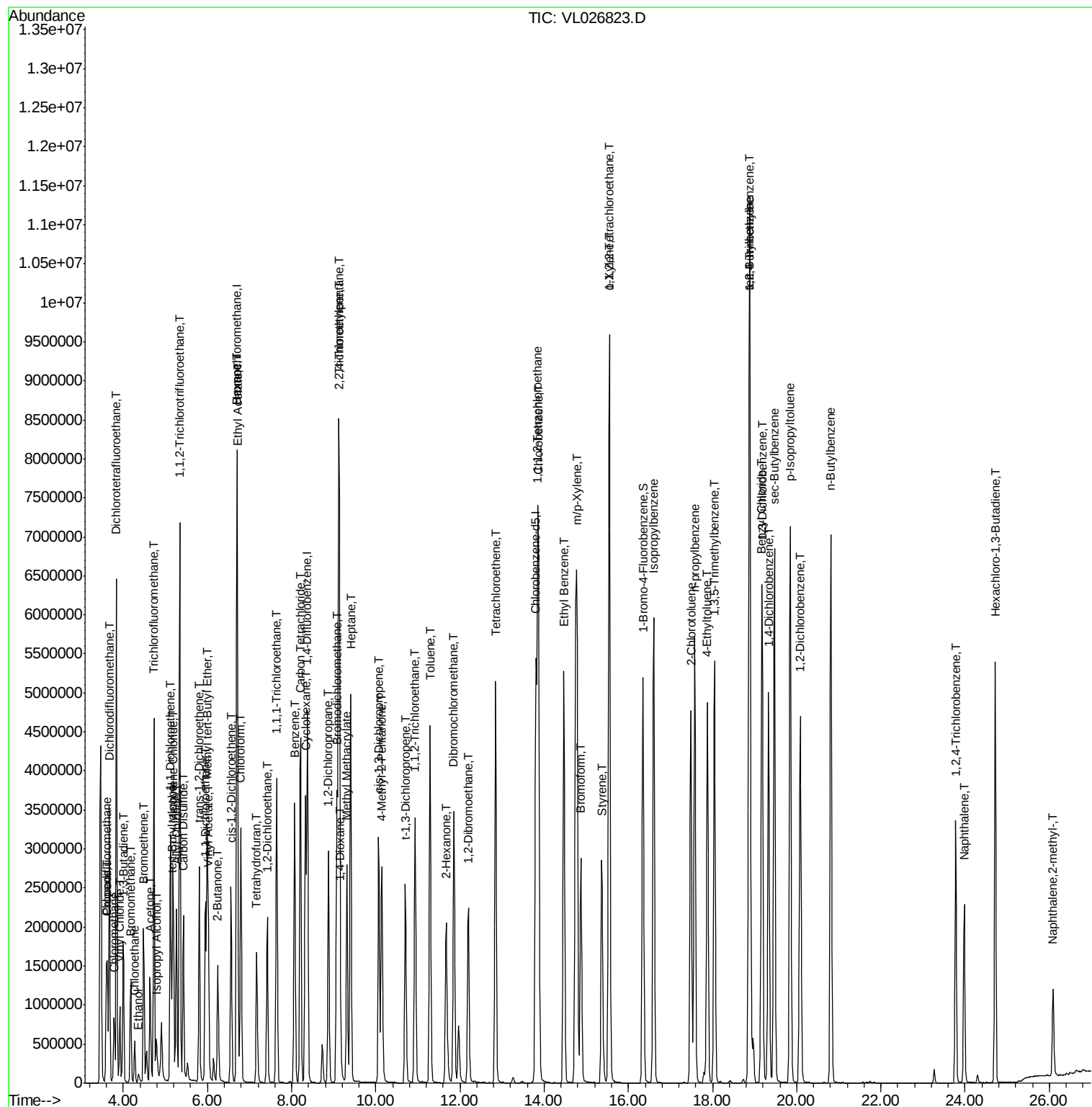
Quant Time: Feb 10 02:08:13 2016

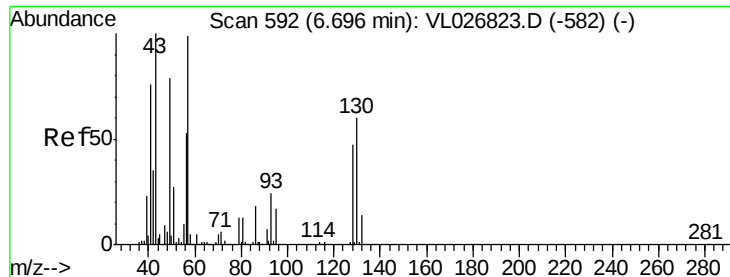
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QLast Update : Wed Feb 10 02:03:29 2016

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

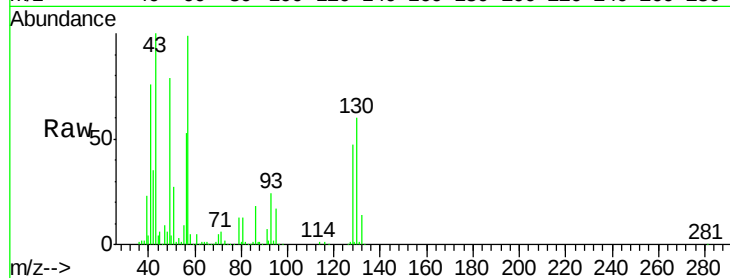
Tgt Ion: 49 Resp: 1683263

Ion Ratio Lower Upper

49 100

128 59.4 29.7 89.1

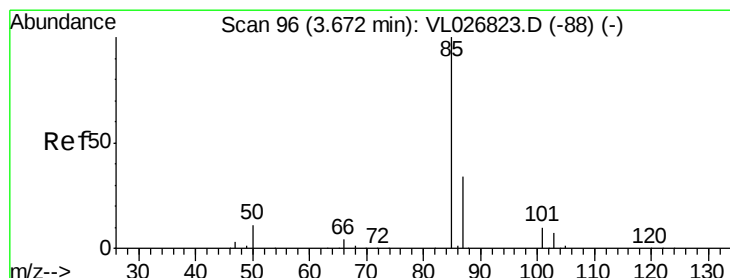
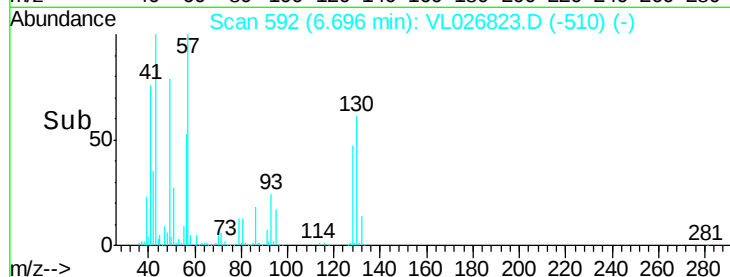
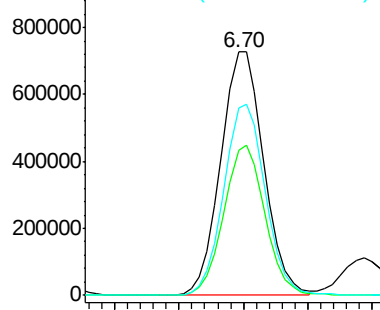
130 76.5 38.3 114.8



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: 6.70 ppbv

RT: 3.67 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL026823.D

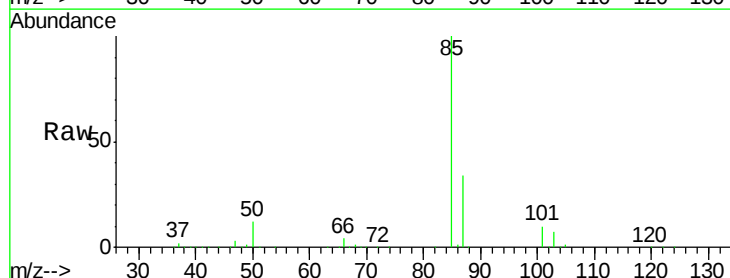
Acq: 9 Feb 2016 16:54

Tgt Ion: 85 Resp: 3580299

Ion Ratio Lower Upper

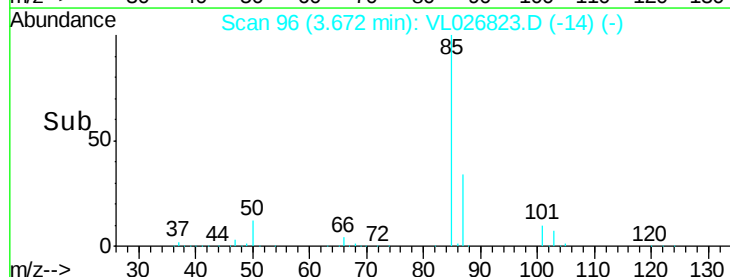
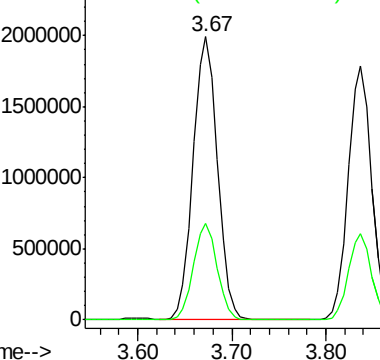
85 100

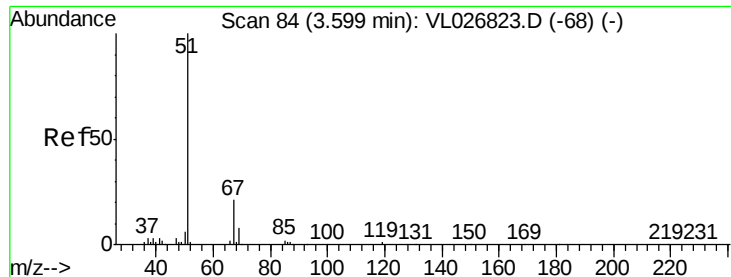
87 34.1 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 5.46 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

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ClientSampleId :

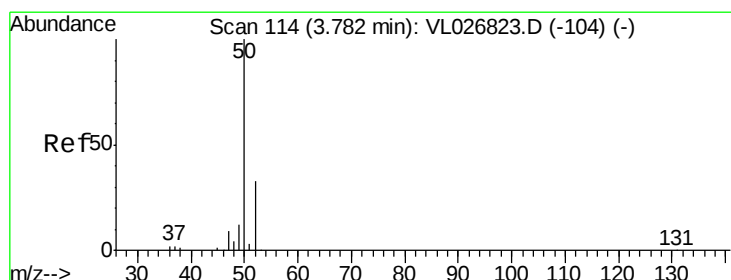
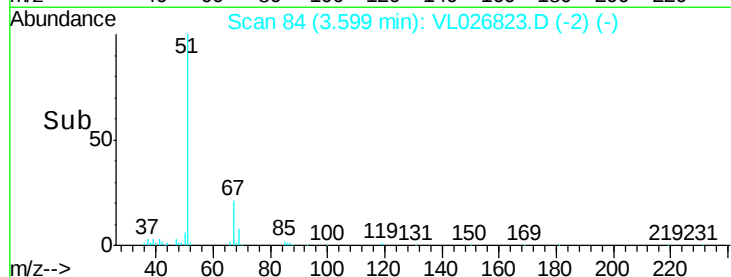
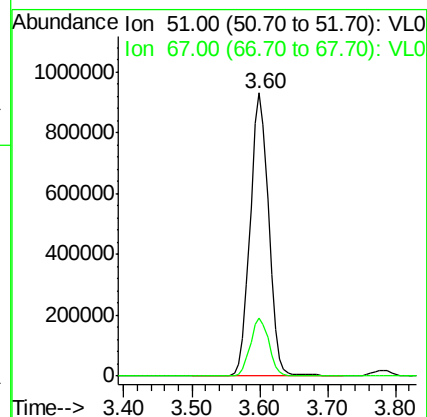
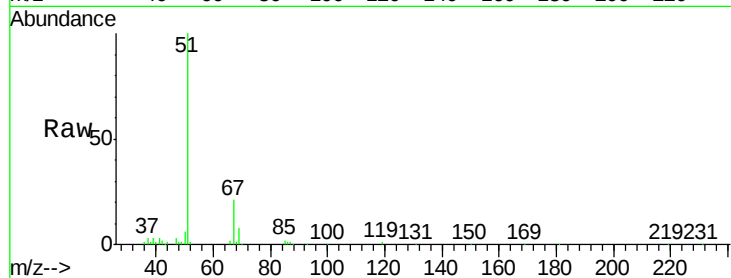
VSTDICCC010

Tgt Ion: 51 Resp: 1765712

Ion Ratio Lower Upper

51 100

67 20.5 16.4 24.6



#4

Chloromethane

Concen: 10.08 ppbv

RT: 3.78 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL026823.D

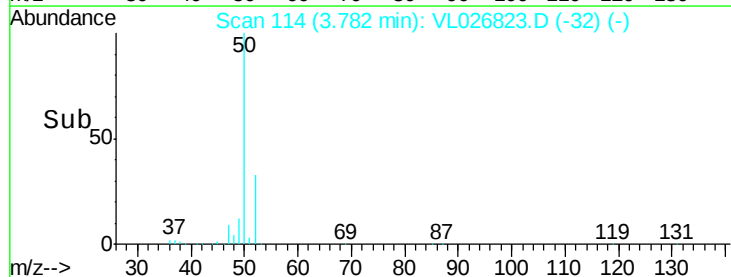
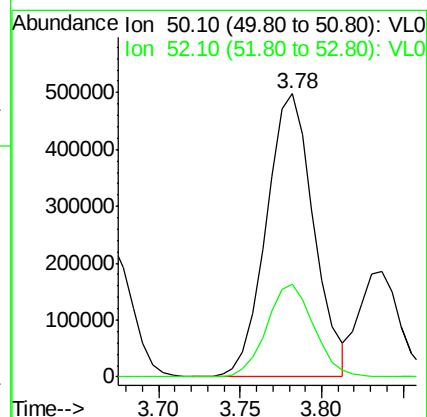
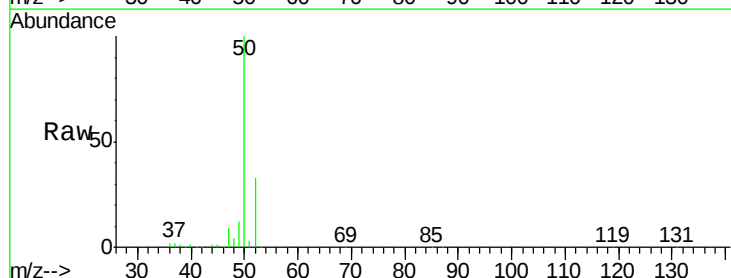
Acq: 9 Feb 2016 16:54

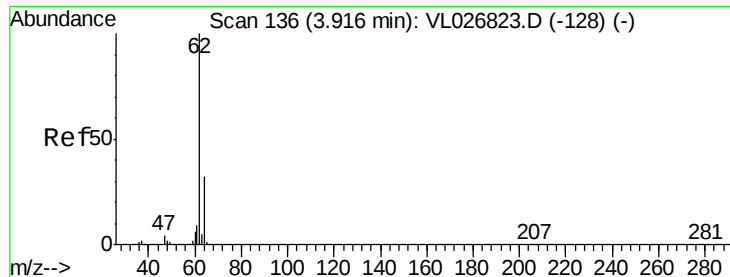
Tgt Ion: 50 Resp: 1007654

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5





#5

Vinyl Chloride

Concen: 9.50 ppbv

RT: 3.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

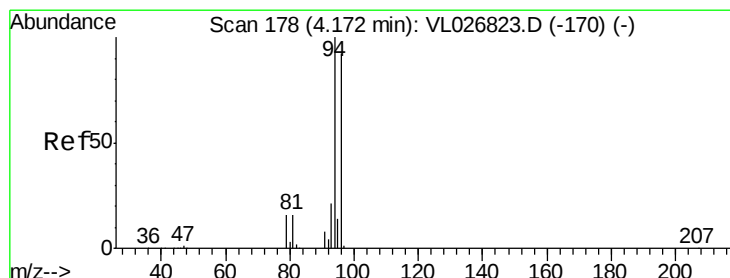
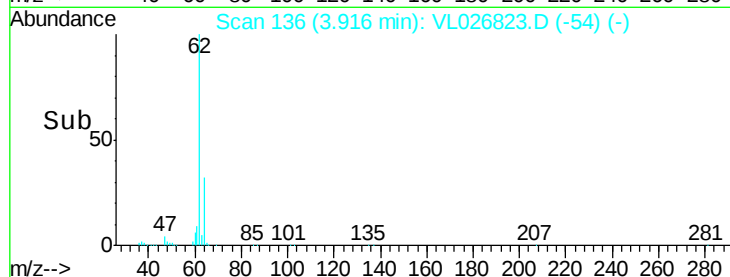
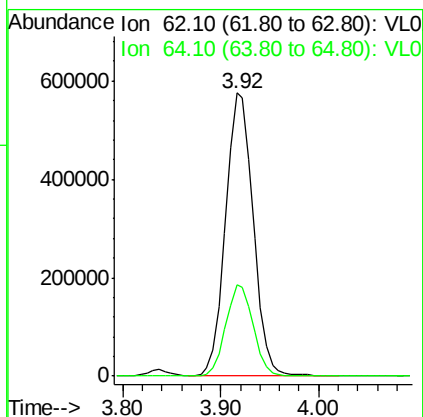
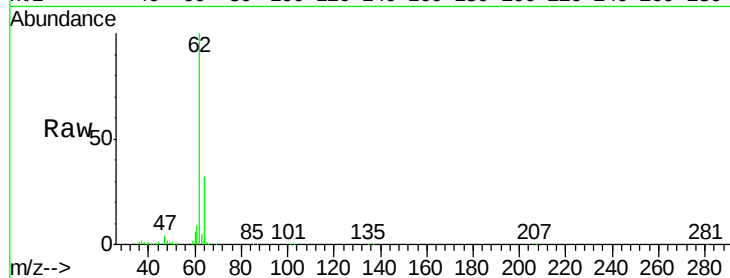
VSTDICCC010

Tgt Ion: 62 Resp: 1126377

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



#6

Bromomethane

Concen: 9.42 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026823.D

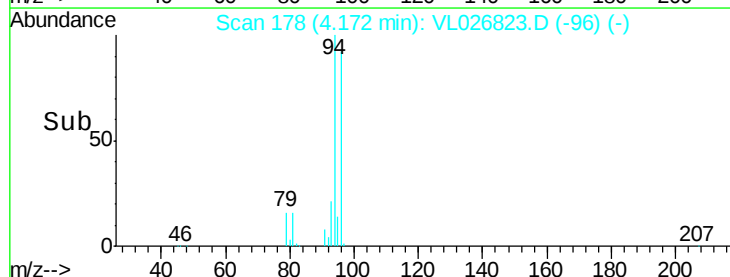
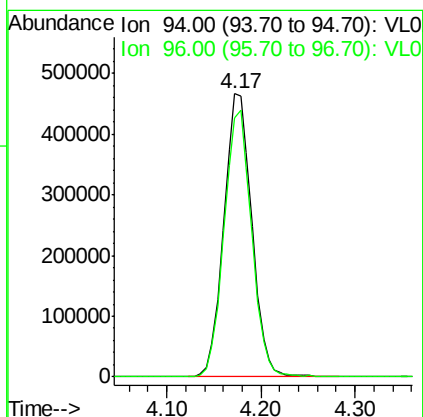
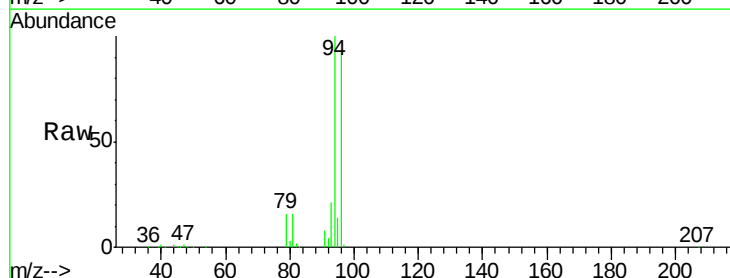
Acq: 9 Feb 2016 16:54

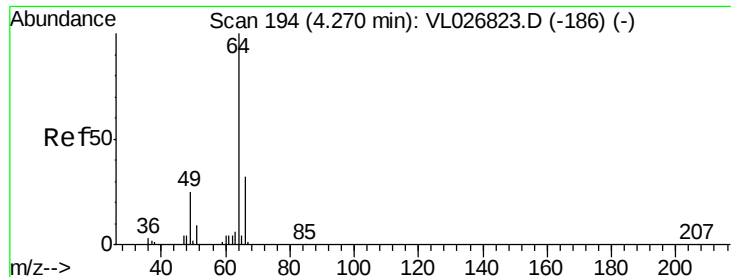
Tgt Ion: 94 Resp: 961907

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8





#7

Chloroethane

Concen: 9.42 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

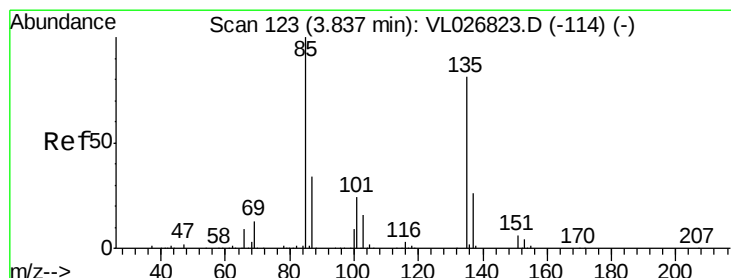
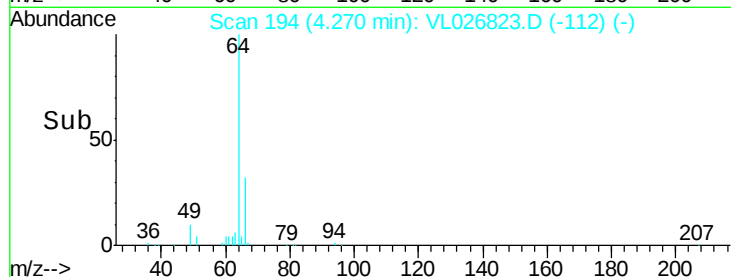
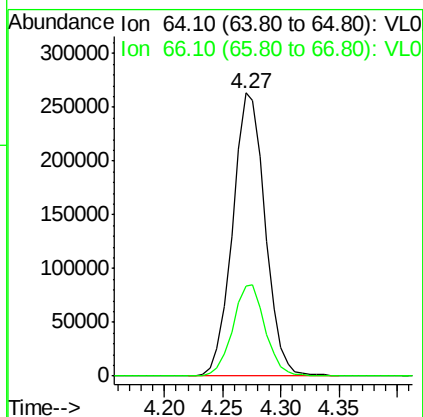
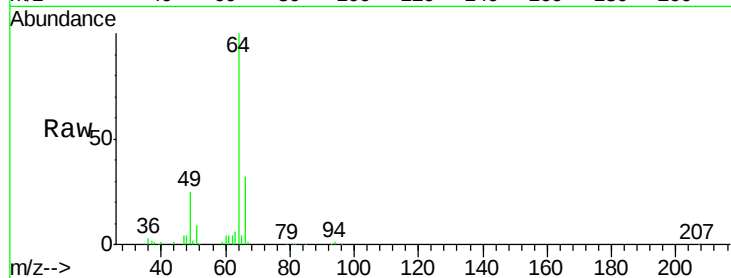
VSTDICCC010

Tgt Ion: 64 Resp: 513613

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 7.86 ppbv

RT: 3.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL026823.D

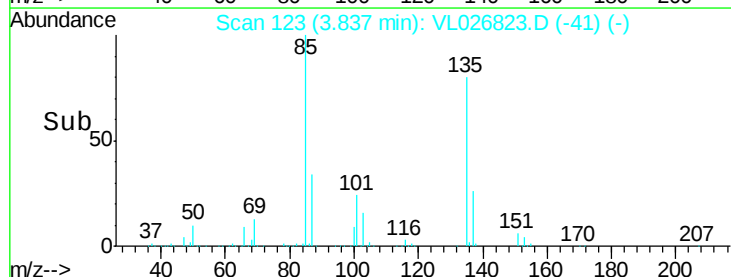
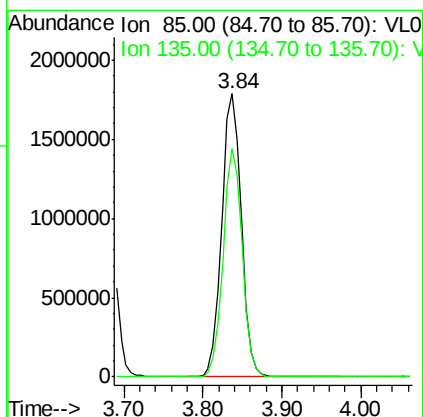
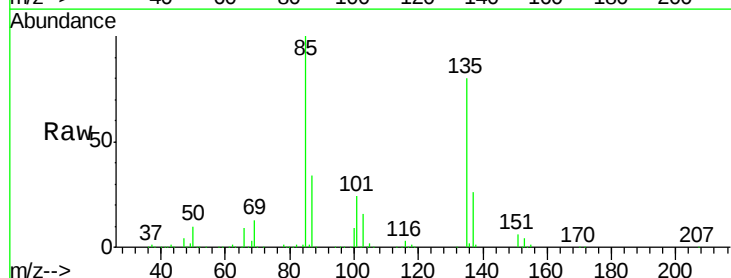
Acq: 9 Feb 2016 16:54

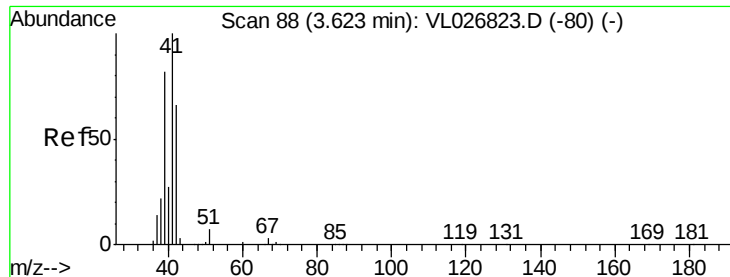
Tgt Ion: 85 Resp: 3075006

Ion Ratio Lower Upper

85 100

135 79.0 63.2 94.8





#9

Propene

Concen: 11.20 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

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ClientSampleId :

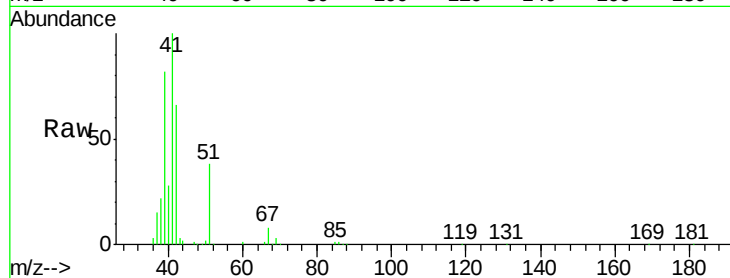
VSTDICCC010

Tgt Ion: 41 Resp: 741444

Ion Ratio Lower Upper

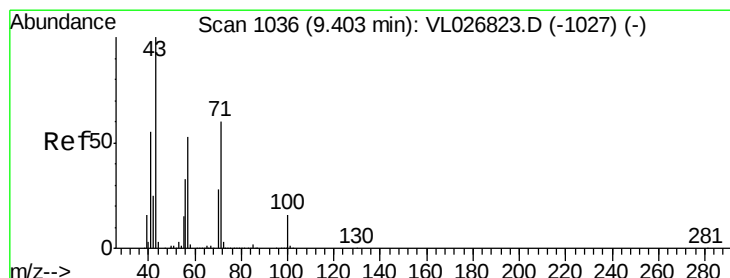
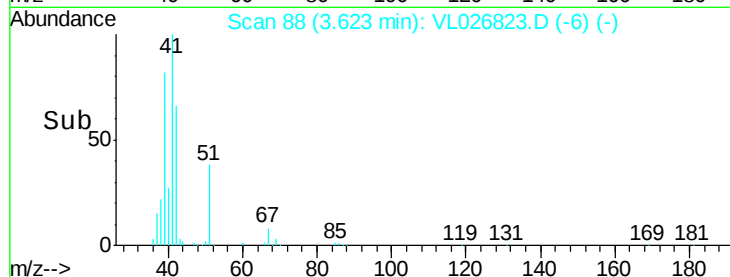
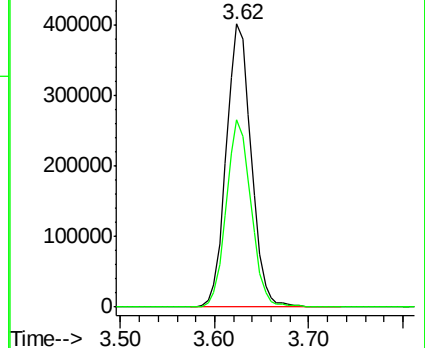
41 100

42 66.0 52.8 79.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.80 ppbv

RT: 9.40 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VL026823.D

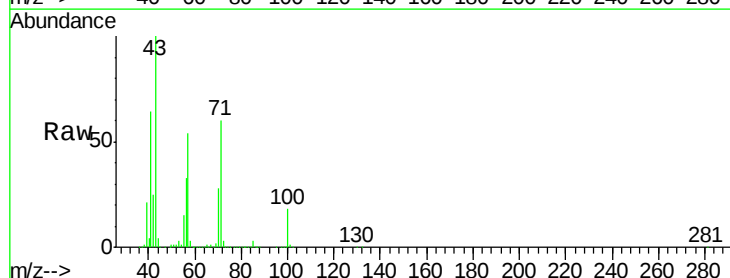
Acq: 9 Feb 2016 16:54

Tgt Ion: 43 Resp: 2486447

Ion Ratio Lower Upper

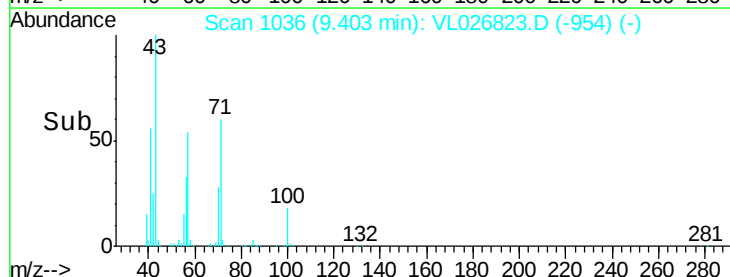
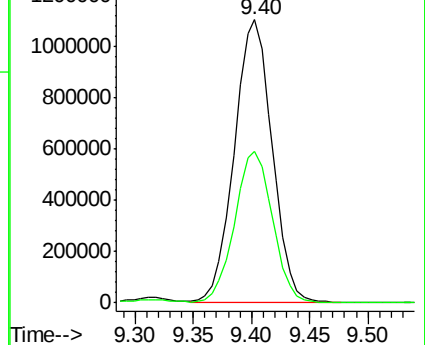
43 100

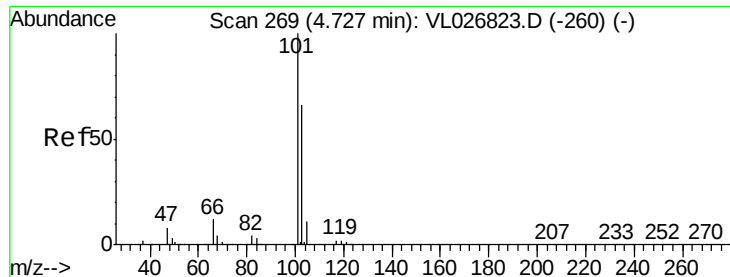
57 55.0 44.0 66.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 6.71 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

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MSVOA_L

ClientSampleId :

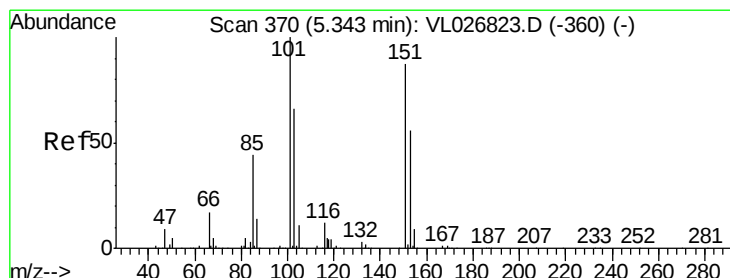
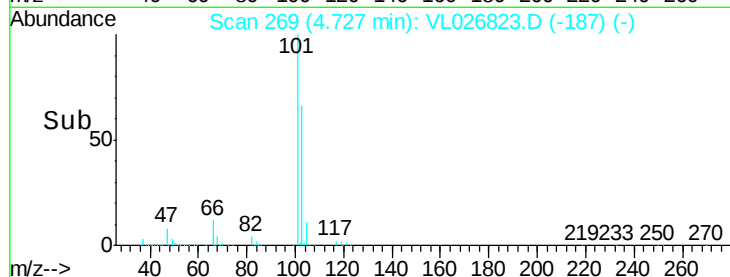
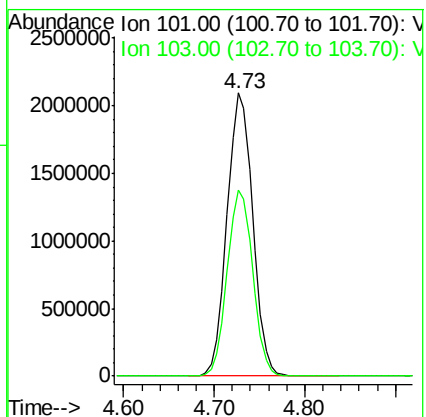
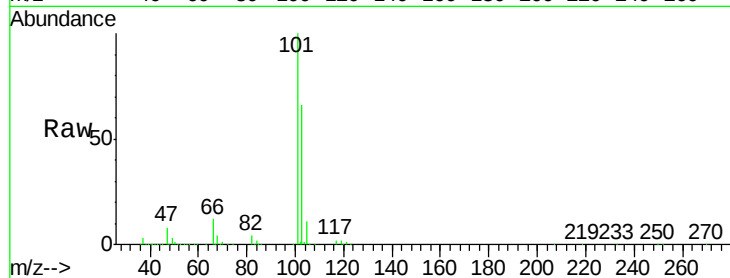
VSTDICCC010

Tgt Ion:101 Resp: 4128167

Ion Ratio Lower Upper

101 100

103 65.9 52.7 79.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.20 ppbv

RT: 5.34 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL026823.D

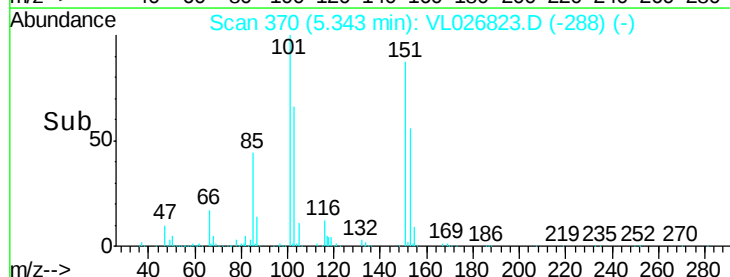
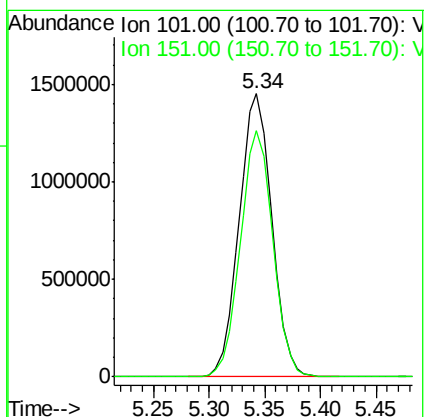
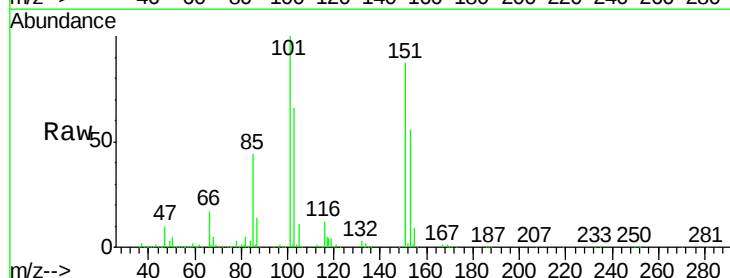
Acq: 9 Feb 2016 16:54

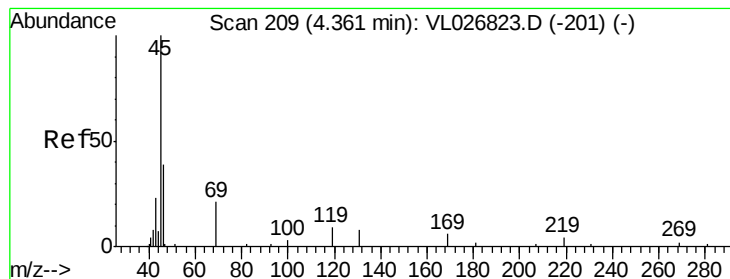
Tgt Ion:101 Resp: 2962366

Ion Ratio Lower Upper

101 100

151 86.7 69.4 104.0





#13

Ethanol

Concen: 8.58 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

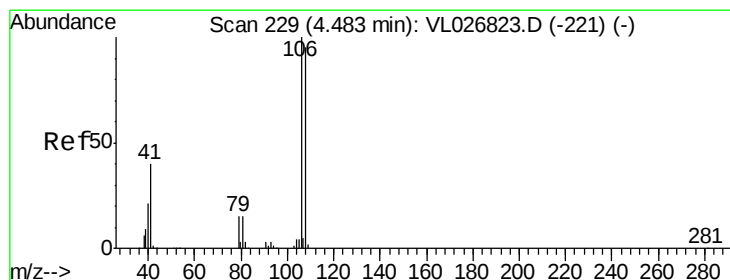
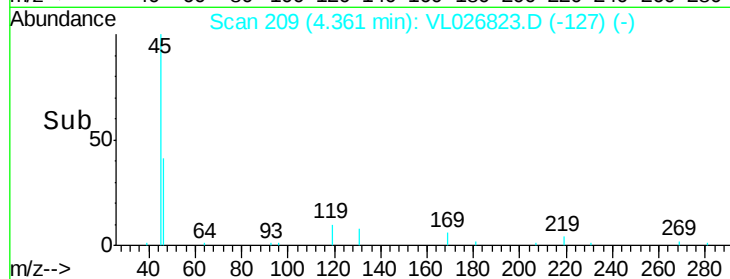
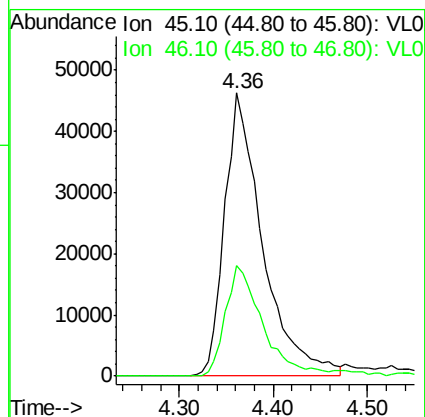
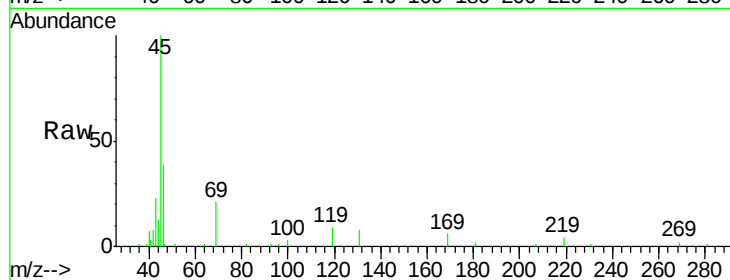
VSTDICCC010

Tgt Ion: 45 Resp: 130533

Ion Ratio Lower Upper

45 100

46 39.6 15.8 63.4



#14

Bromoethene

Concen: 9.43 ppbv

RT: 4.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

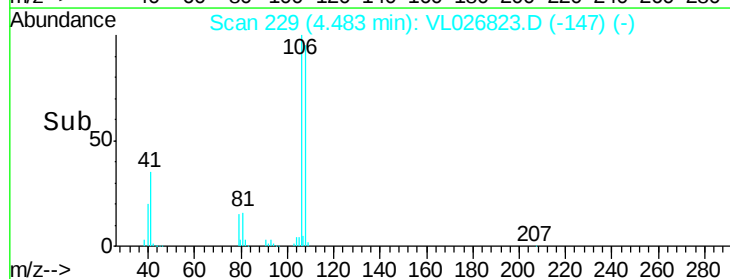
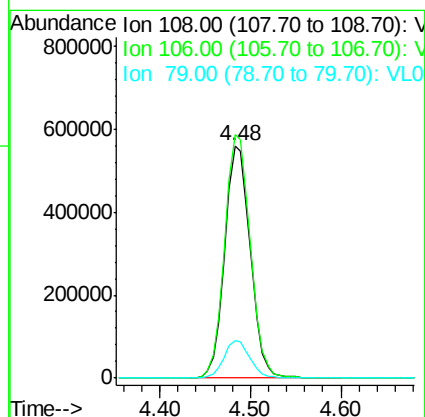
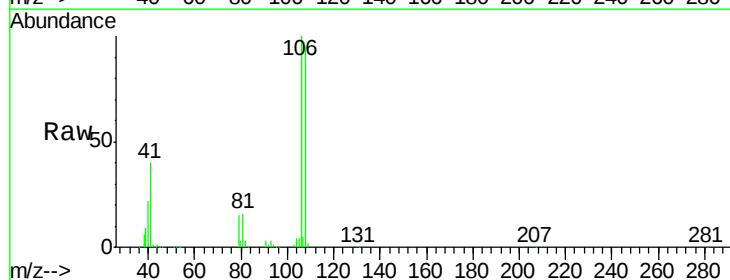
Tgt Ion: 108 Resp: 1100758

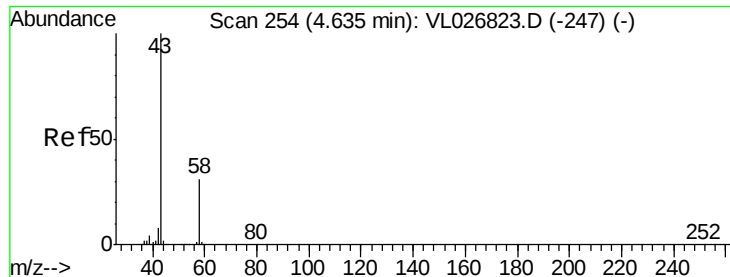
Ion Ratio Lower Upper

108 100

106 105.7 84.6 126.8

79 16.7 13.4 20.0





#15

Acetone

Concen: 4.60 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

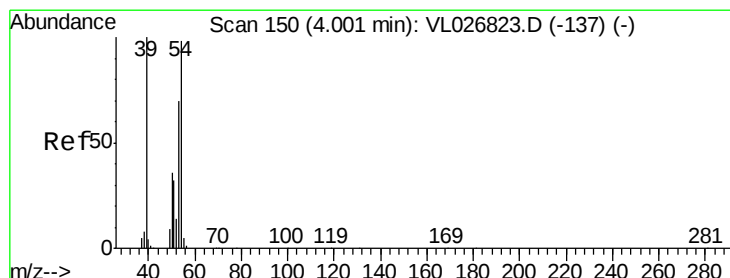
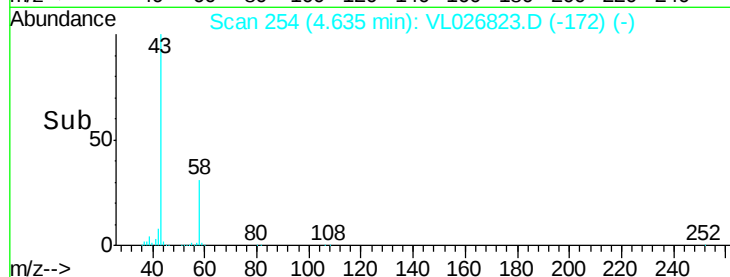
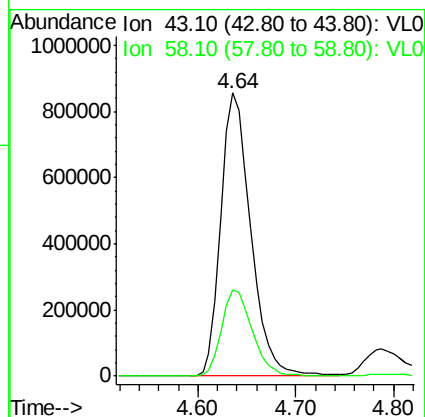
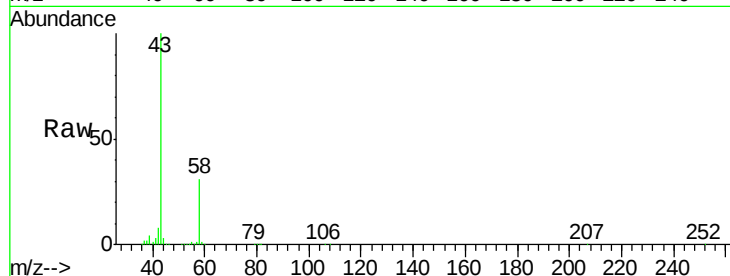
VSTDICCC010

Tgt Ion: 43 Resp: 1821825

Ion Ratio Lower Upper

43 100

58 31.5 25.2 37.8



#16

1,3-Butadiene

Concen: 8.16 ppbv

RT: 4.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VL026823.D

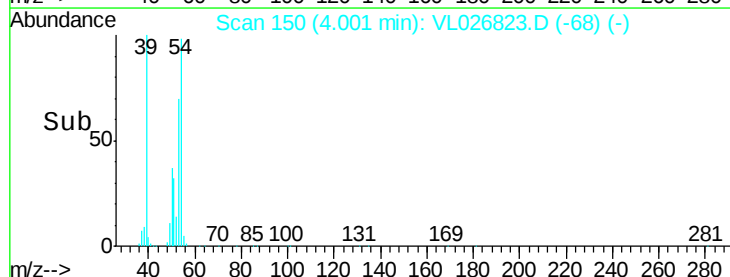
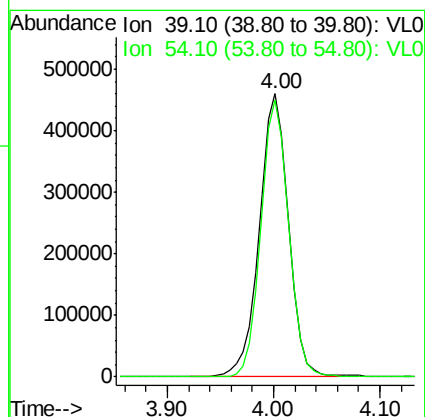
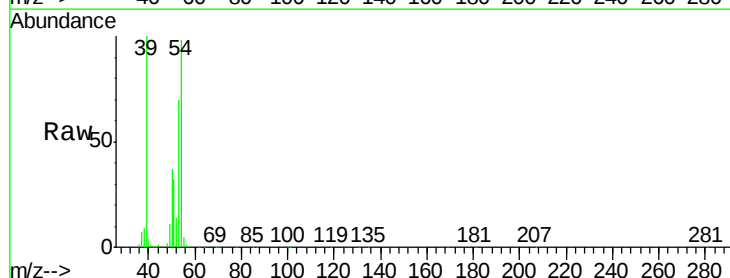
Acq: 9 Feb 2016 16:54

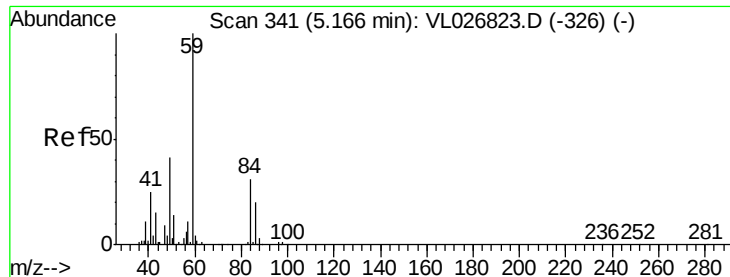
Tgt Ion: 39 Resp: 884595

Ion Ratio Lower Upper

39 100

54 93.4 74.7 112.1



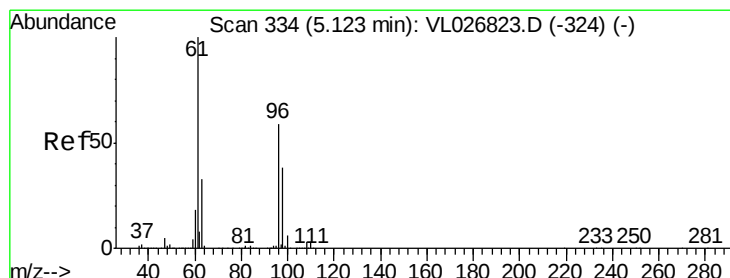
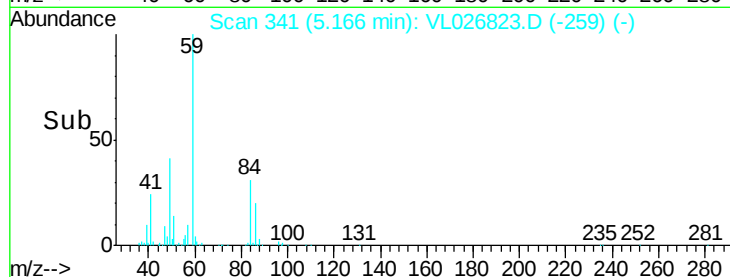
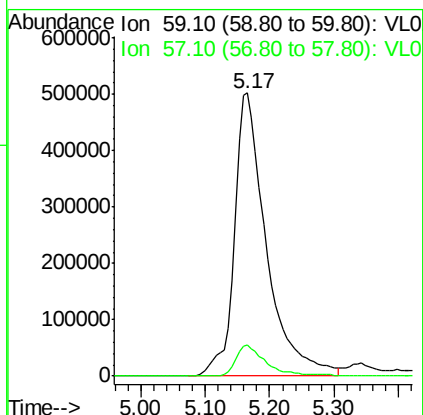
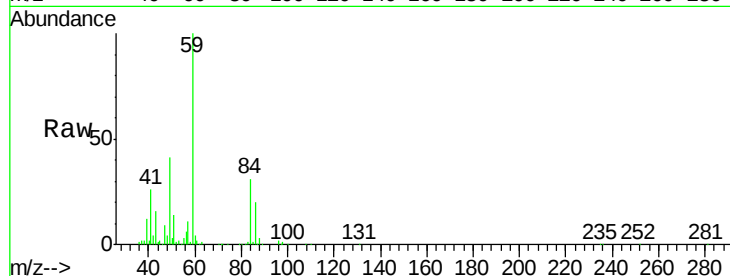


#17

tert-Butyl alcohol
Concen: 8.16 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

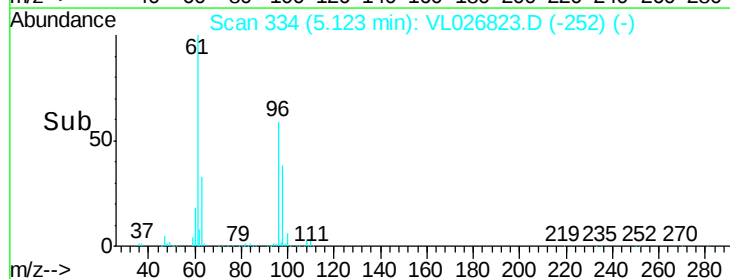
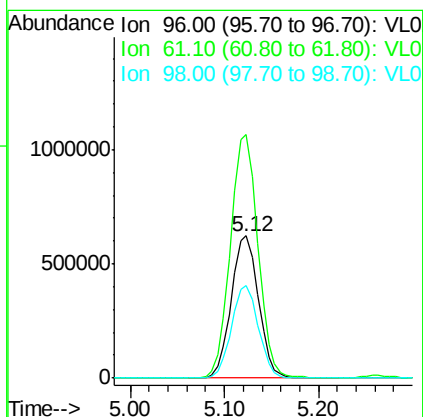
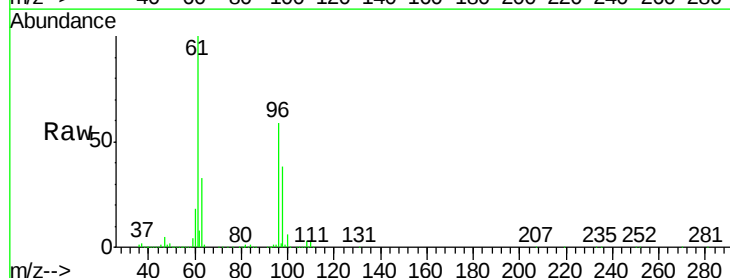
Tgt Ion: 59 Resp: 1733089
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

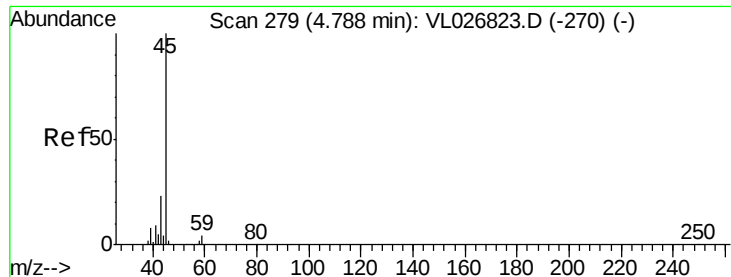


#18

1,1-Dichloroethene
Concen: 9.06 ppbv
RT: 5.12 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 96 Resp: 1257612
Ion Ratio Lower Upper
96 100
61 170.9 136.7 205.1
98 65.1 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.99 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

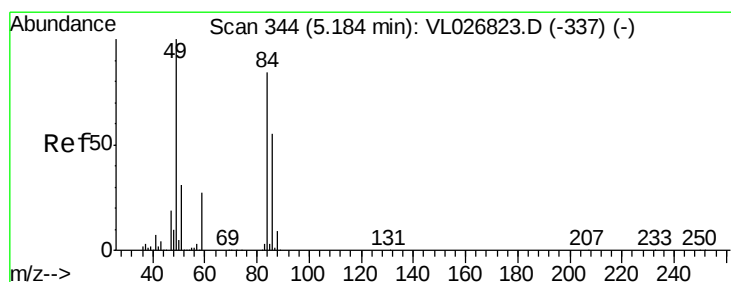
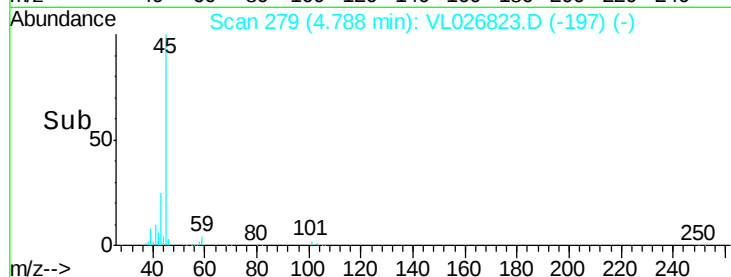
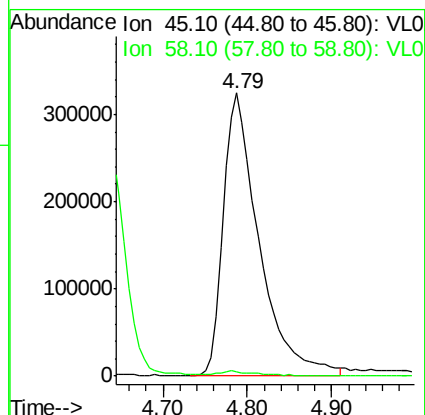
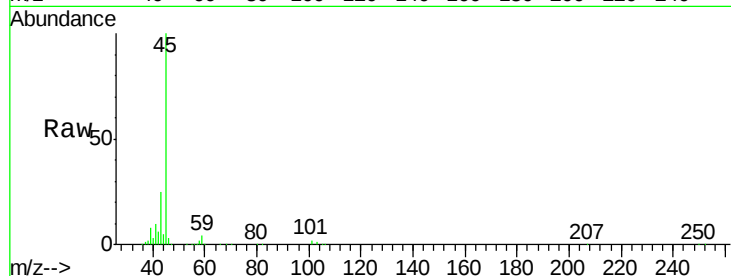
VSTDICCC010

Tgt Ion: 45 Resp: 937968

Ion Ratio Lower Upper

45 100

58 2.7 2.2 3.2



#20

Methylene Chloride

Concen: 8.77 ppbv

RT: 5.18 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Tgt Ion: 84 Resp: 1128198

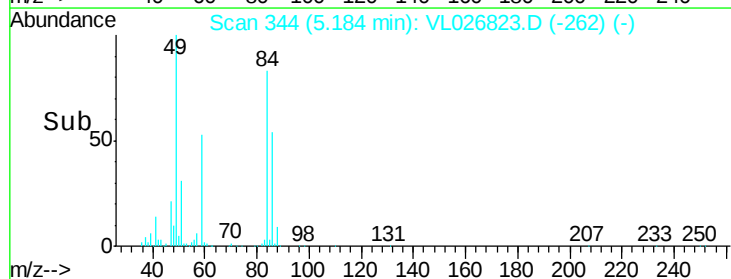
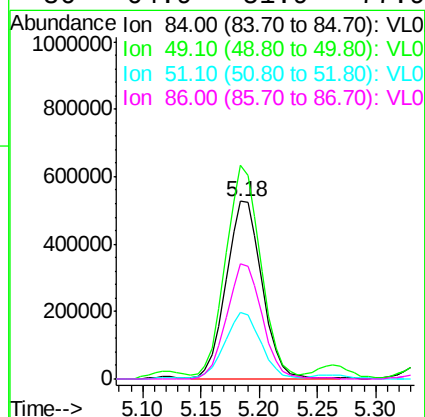
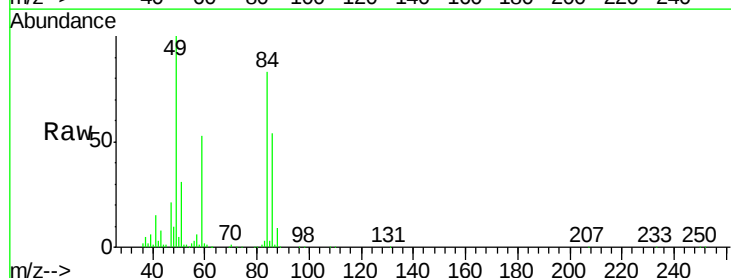
Ion Ratio Lower Upper

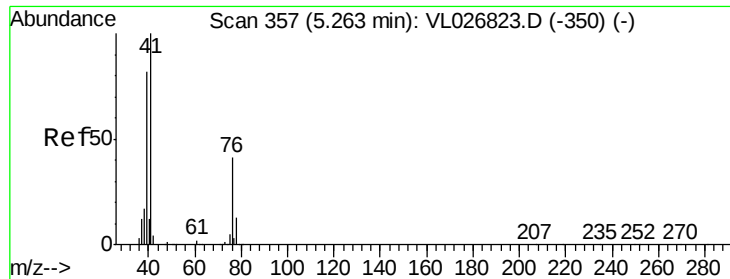
84 100

49 118.6 94.9 142.3

51 36.9 29.5 44.3

86 64.9 51.9 77.9





#21

Allyl Chloride

Concen: 8.56 ppbv

RT: 5.26 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

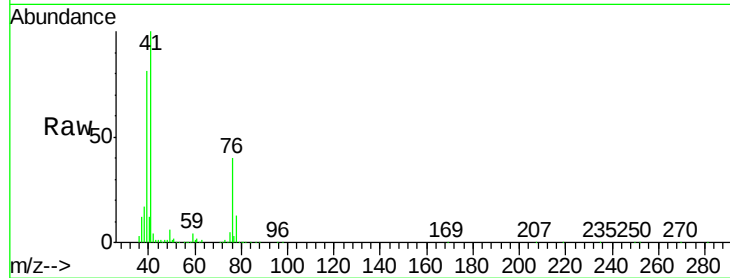
Tgt Ion: 41 Resp: 1434190

Ion Ratio Lower Upper

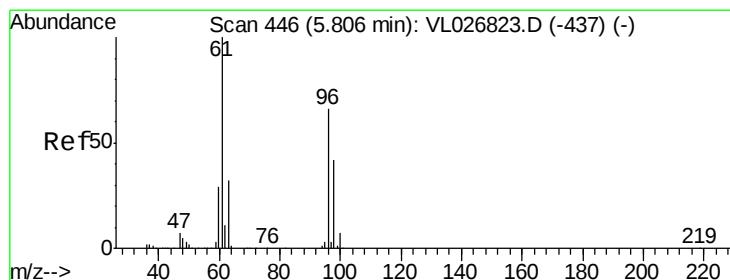
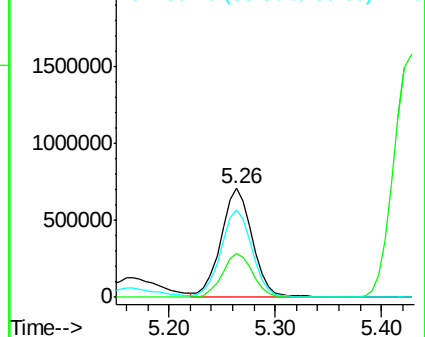
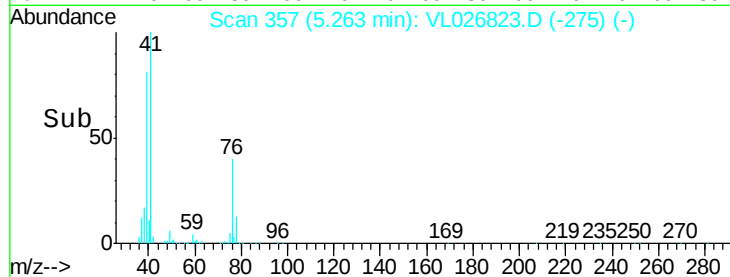
41 100

76 40.0 32.0 48.0

39 80.7 64.6 96.8



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: 8.73 ppbv

RT: 5.81 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

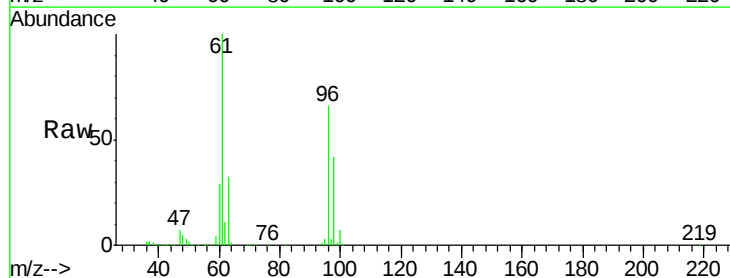
Tgt Ion: 96 Resp: 1155476

Ion Ratio Lower Upper

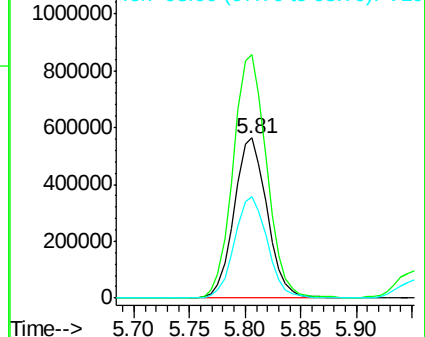
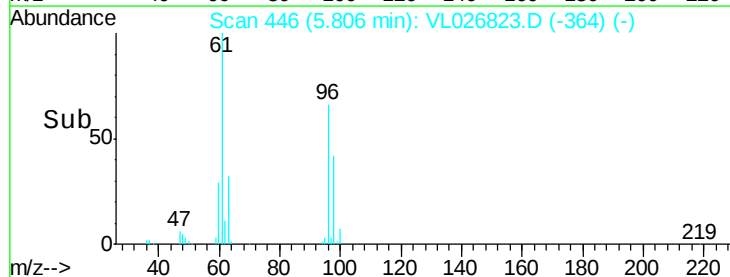
96 100

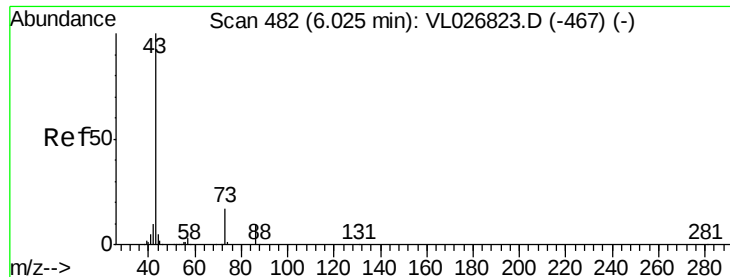
61 152.0 121.6 182.4

98 63.3 50.6 76.0



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: 7.79 ppbv

RT: 6.03 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 3278396

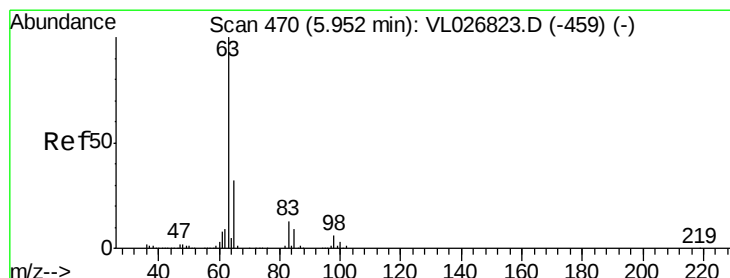
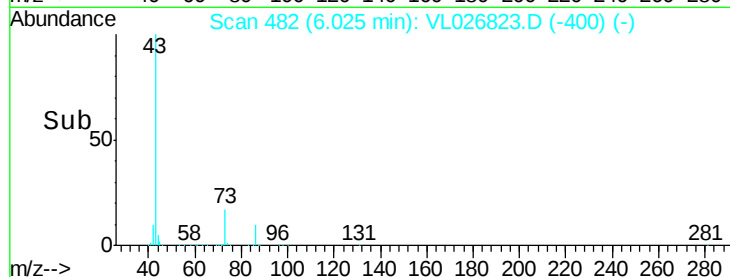
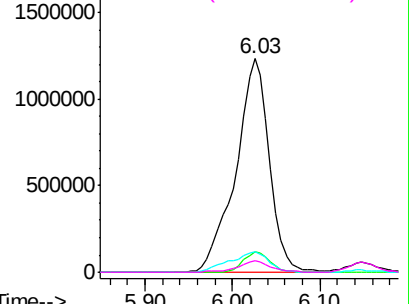
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.7	11.5
42	9.8	7.8	11.8
44	4.9	3.9	5.9

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: 8.23 ppbv

RT: 5.95 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

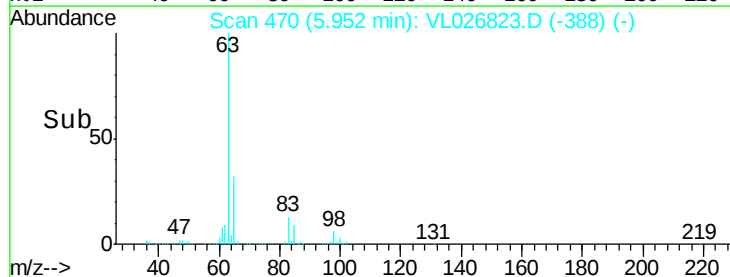
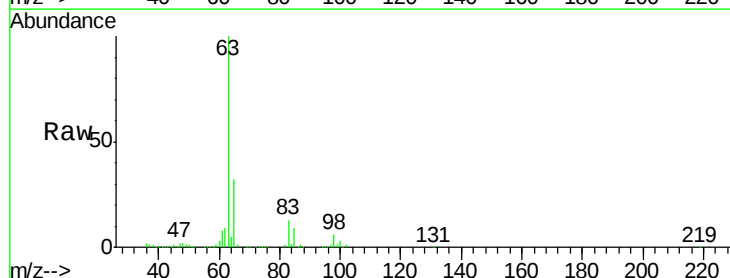
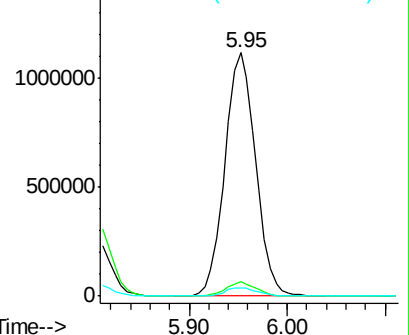
Tgt Ion: 63 Resp: 2432571

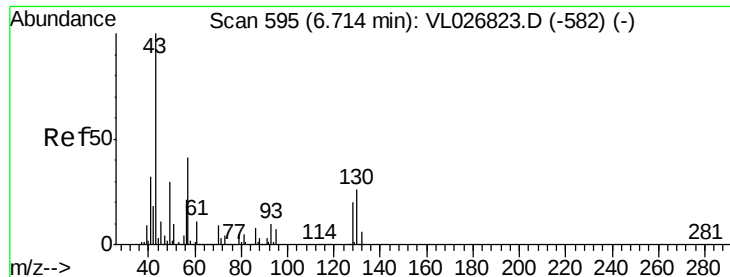
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.7
100	3.4	1.7	5.1

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



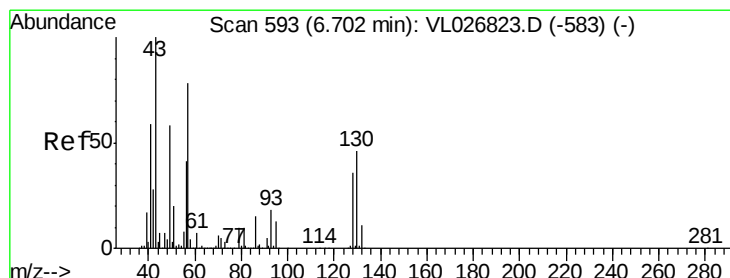
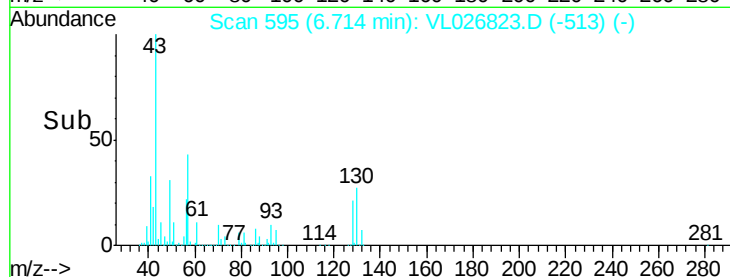
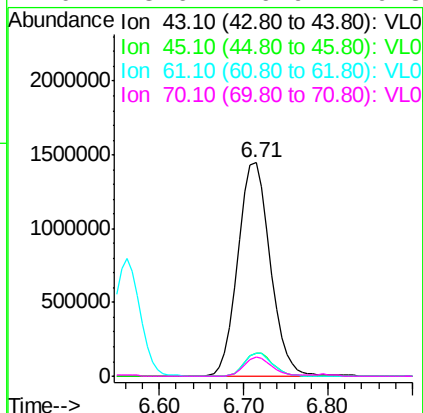
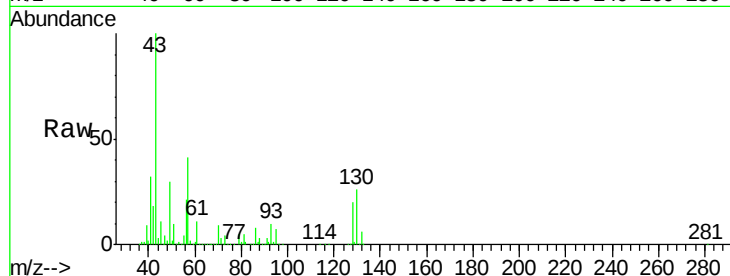


#25
Ethyl Acetate
Concen: 9.61 ppbv
RT: 6.71 min Scan# 595
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3747409

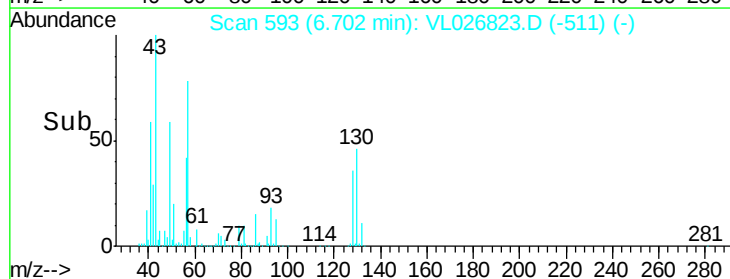
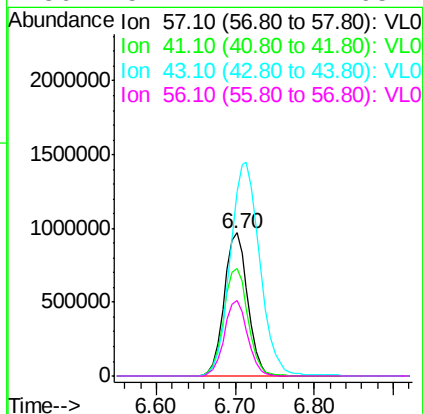
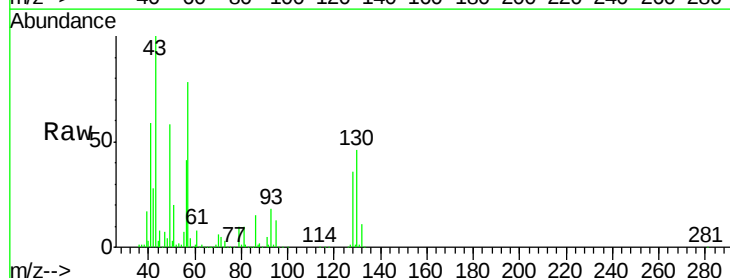
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.9	7.9	11.9
70	8.6	6.9	10.3

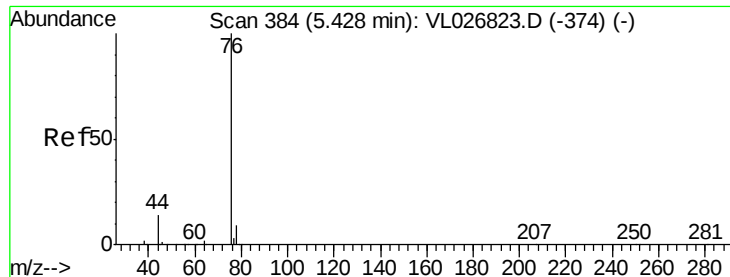


#26
Hexane
Concen: 10.29 ppbv
RT: 6.70 min Scan# 593
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 57 Resp: 1996745

Ion	Ratio	Lower	Upper
57	100		
41	79.1	63.3	94.9
43	189.3	151.4	227.2
56	52.7	42.2	63.2





#27

Carbon Disulfide

Concen: 8.74 ppbv

RT: 5.43 min Scan# 384

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

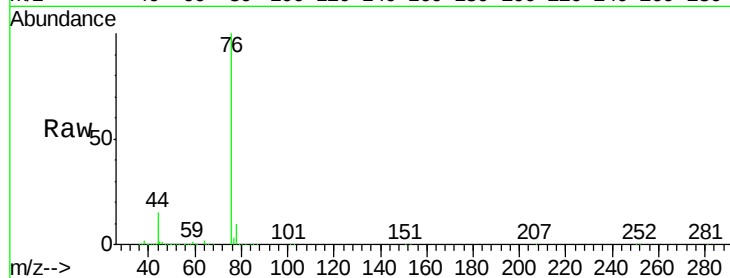
Tgt Ion: 76 Resp: 3379245

Ion Ratio Lower Upper

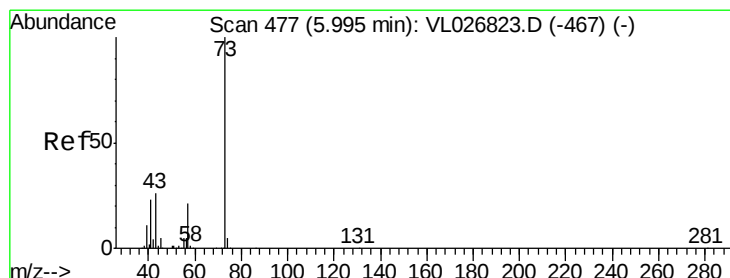
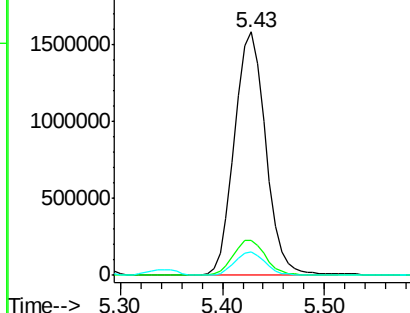
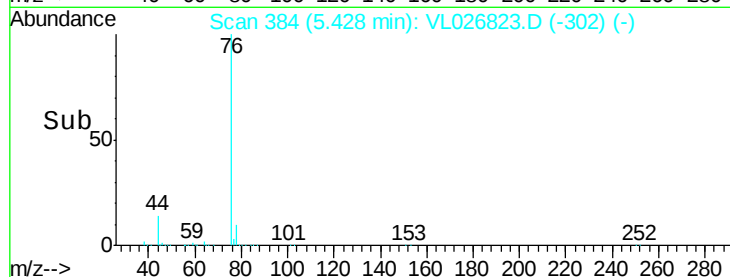
76 100

44 15.1 12.1 18.1

78 9.6 7.7 11.5



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: 7.48 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL026823.D

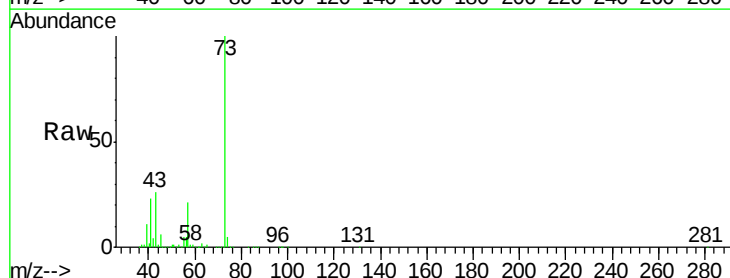
Acq: 9 Feb 2016 16:54

Tgt Ion: 73 Resp: 3235858

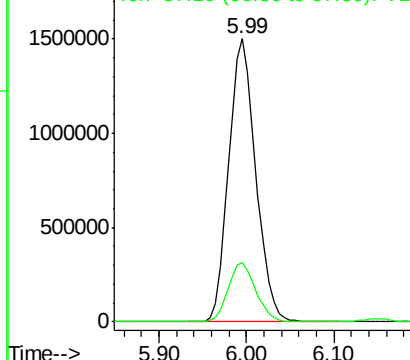
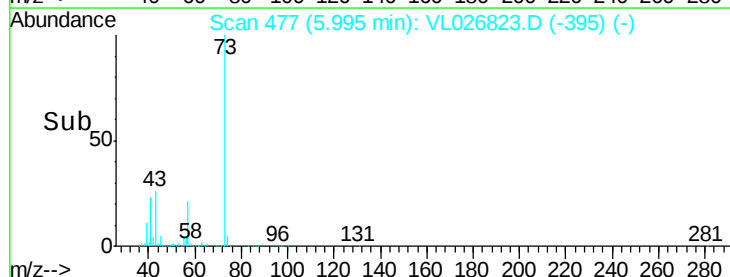
Ion Ratio Lower Upper

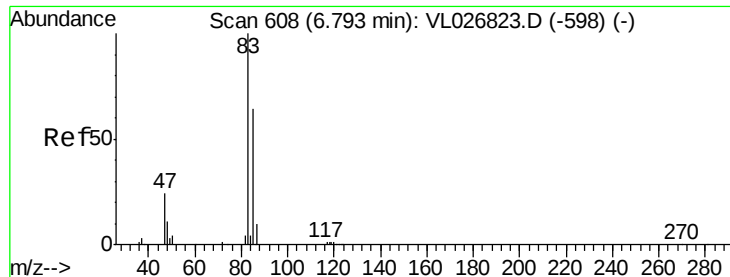
73 100

57 21.3 17.0 25.6



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

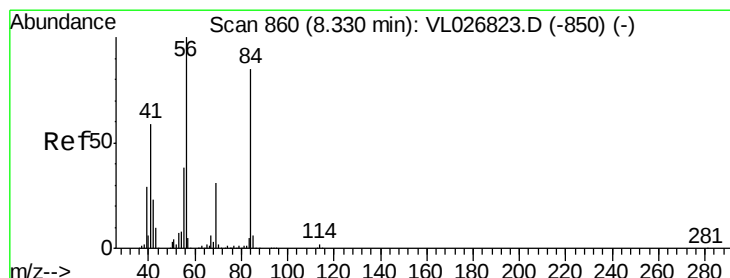
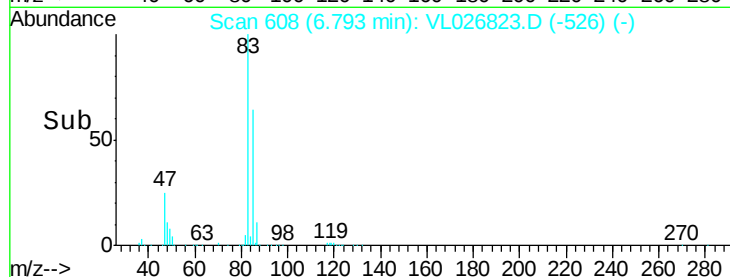
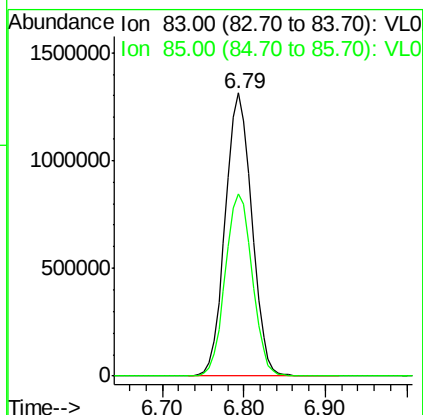
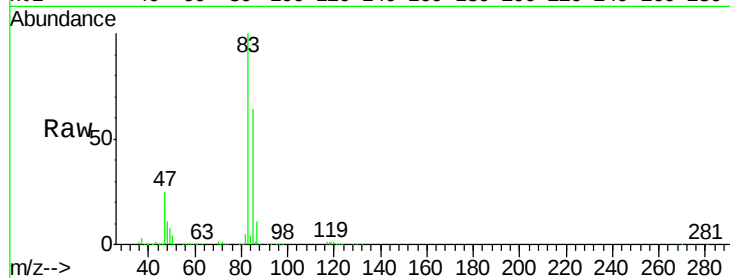




#29
Chloroform
Concen: 6.82 ppbv
RT: 6.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

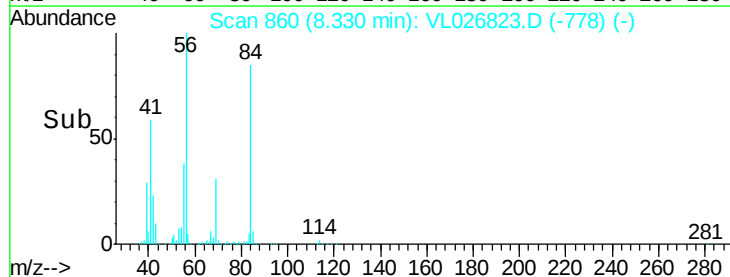
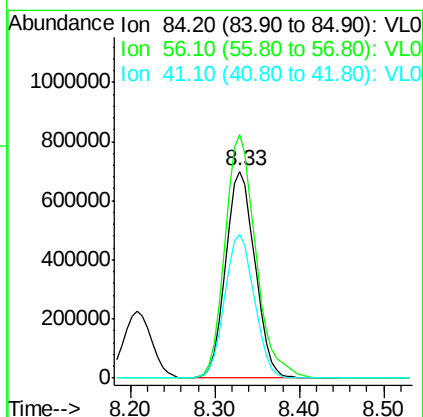
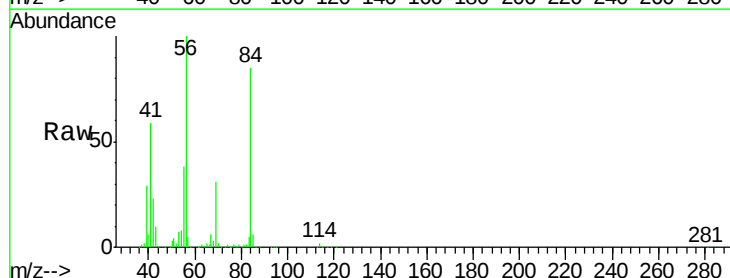
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

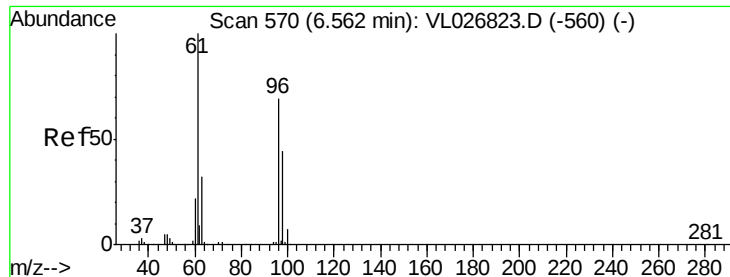
Tgt Ion: 83 Resp: 2960626
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3



#30
Cyclohexane
Concen: 8.28 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 84 Resp: 1655653
Ion Ratio Lower Upper
84 100
56 124.3 99.4 149.2
41 70.9 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 8.23 ppbv

RT: 6.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

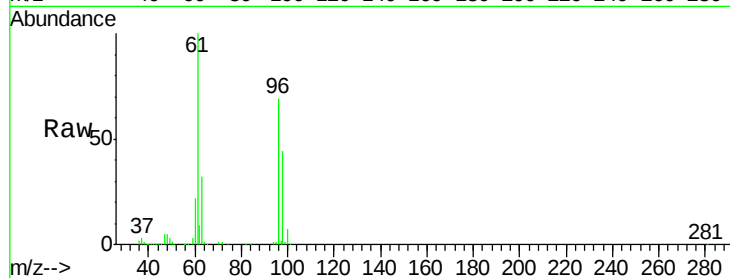
Tgt Ion: 61 Resp: 1734689

Ion Ratio Lower Upper

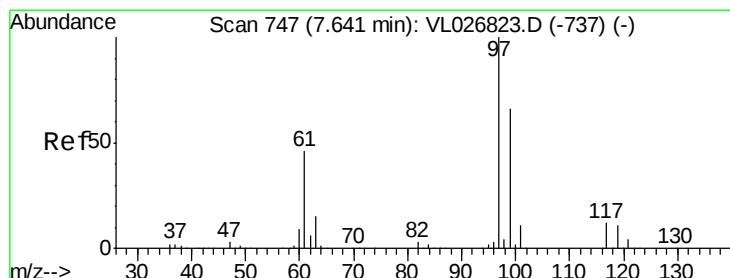
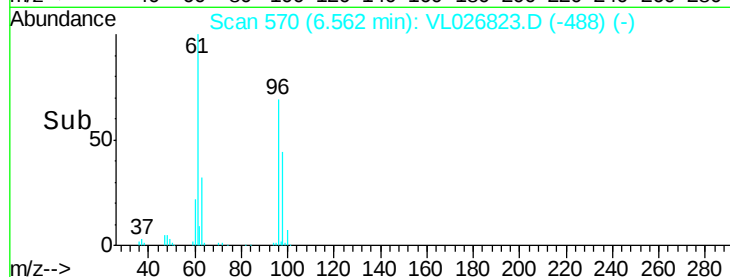
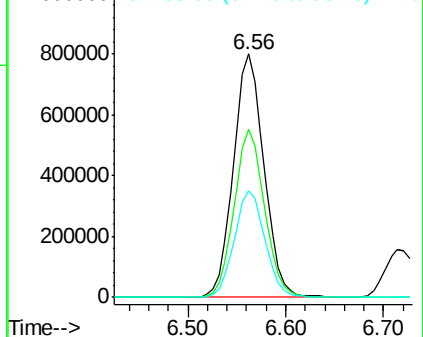
61 100

96 69.0 55.2 82.8

98 44.0 35.2 52.8



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: 6.14 ppbv

RT: 7.64 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

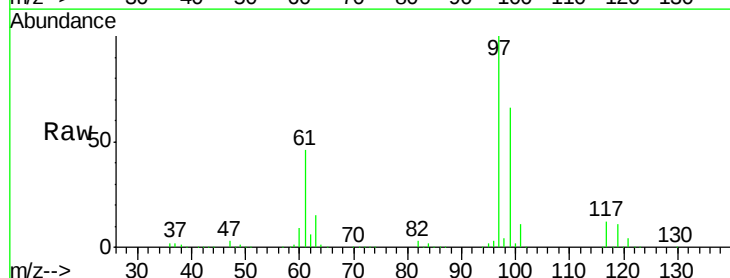
Tgt Ion: 97 Resp: 3037040

Ion Ratio Lower Upper

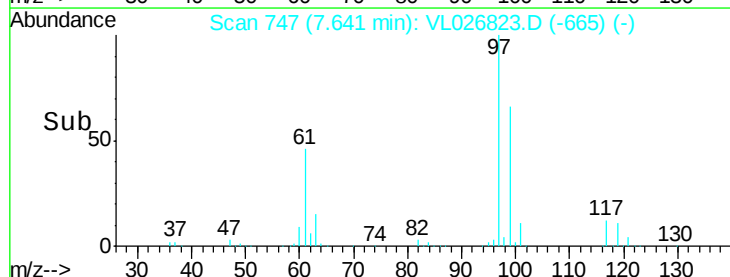
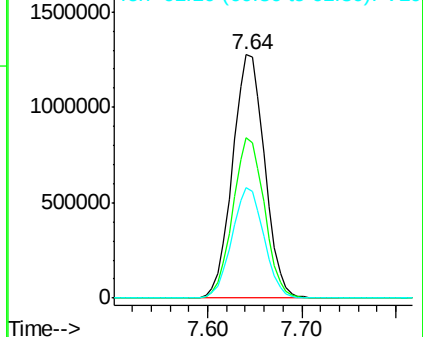
97 100

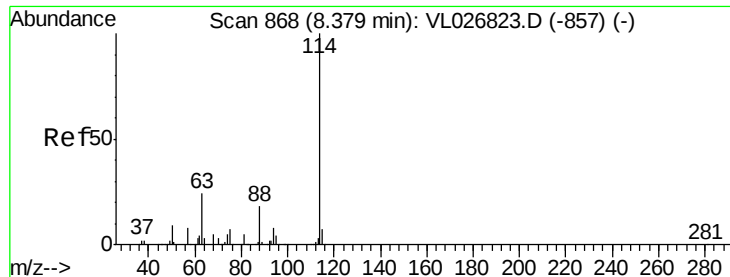
99 65.0 52.0 78.0

61 45.3 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

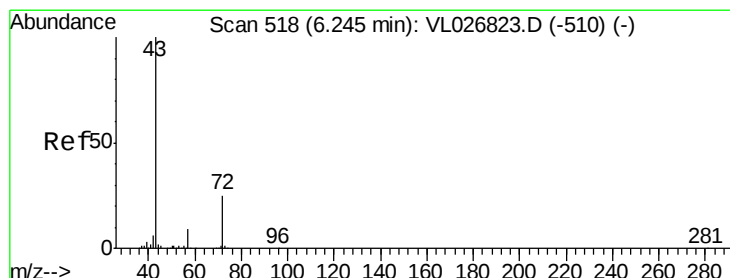
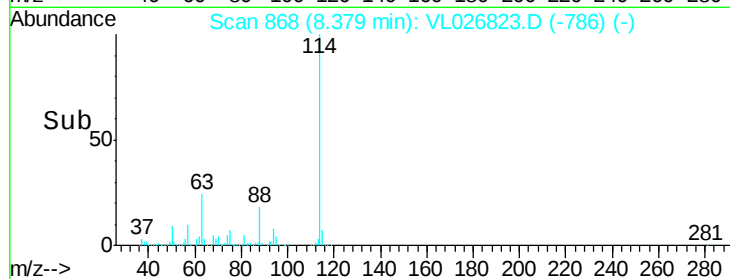
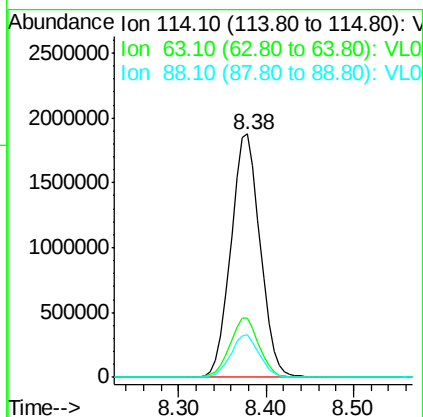
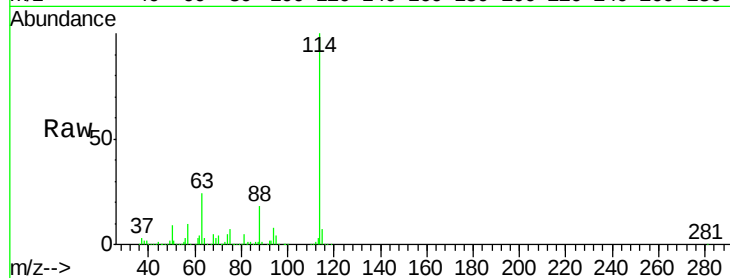




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.38 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

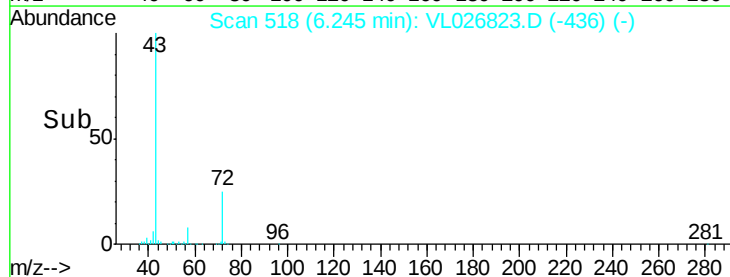
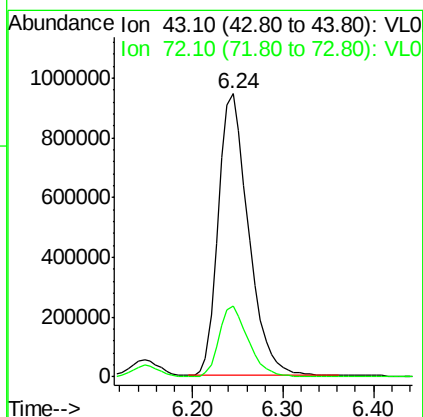
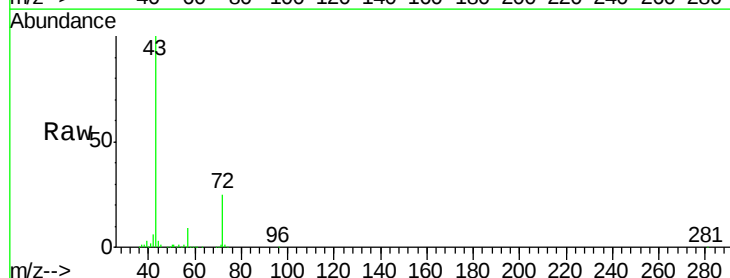
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

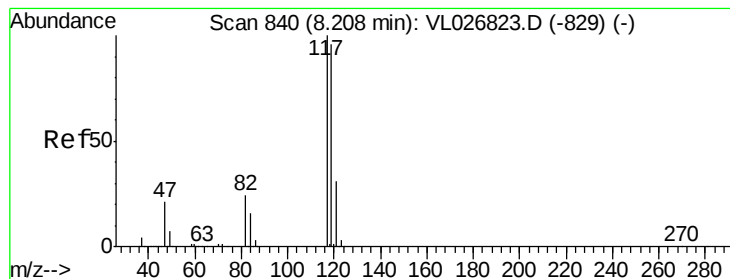
Tgt Ion:114 Resp: 4359025
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.7 29.5
 88 17.2 13.8 20.6



#34
 2-Butanone
 Concen: 10.81 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 43 Resp: 2191517
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.8 29.8





#35

Carbon Tetrachloride

Concen: 7.67 ppbv

RT: 8.21 min Scan# 840

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

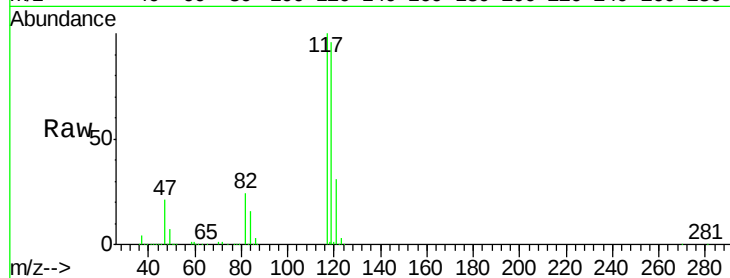
Tgt Ion:117 Resp: 3319748

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0

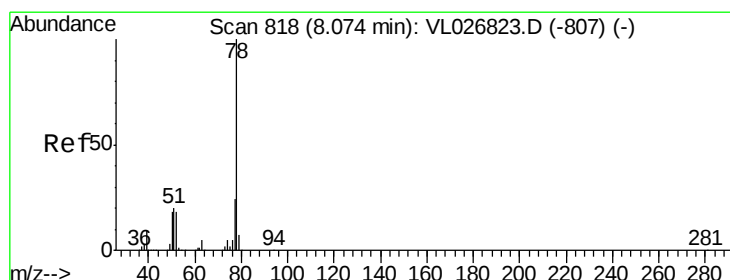
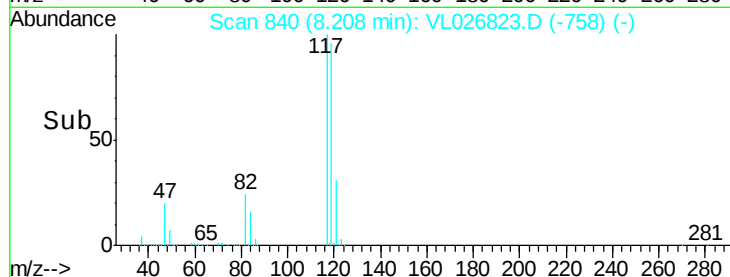
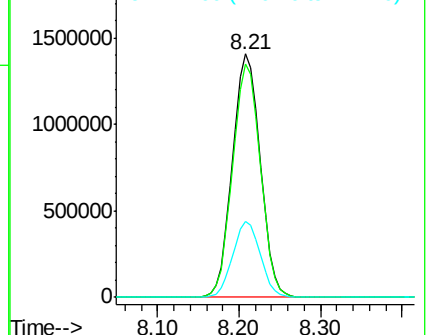
121 31.2 25.0 37.4



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: 10.15 ppbv

RT: 8.07 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

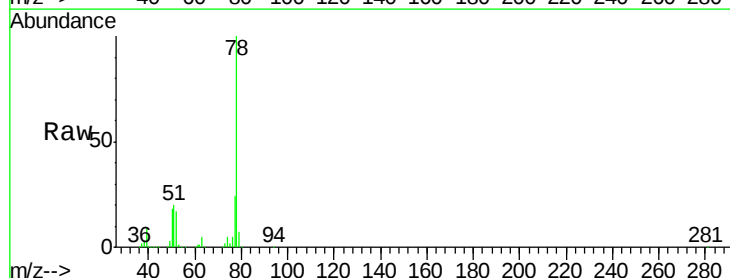
Tgt Ion: 78 Resp: 3708707

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

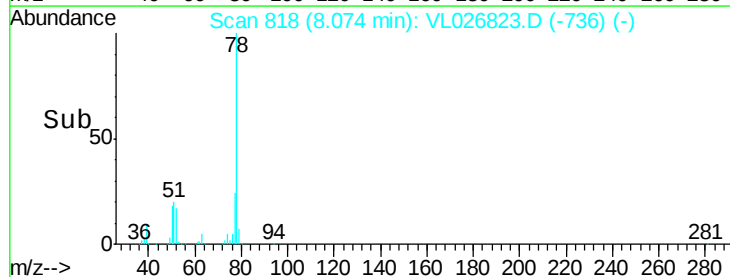
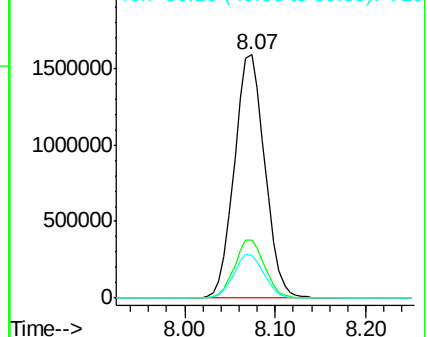
50 17.8 14.2 21.4

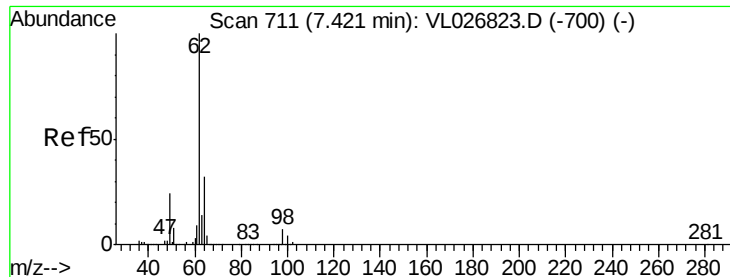


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

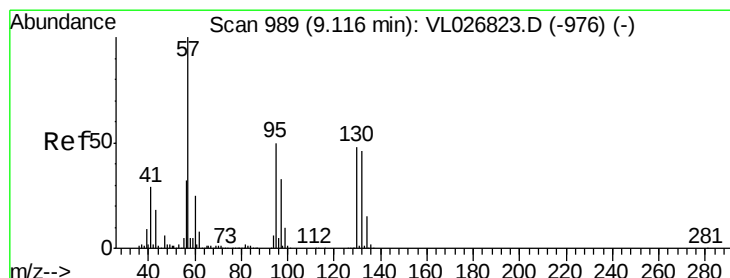
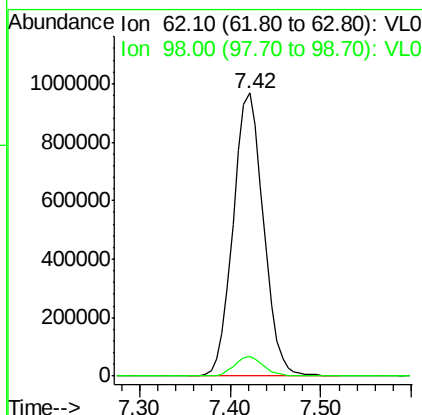
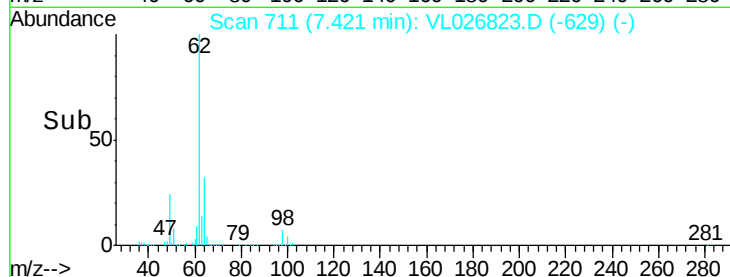
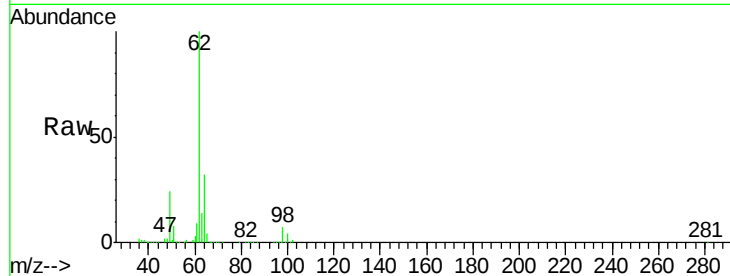




#37
 1,2-Dichloroethane
 Concen: 7.15 ppbv
 RT: 7.42 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

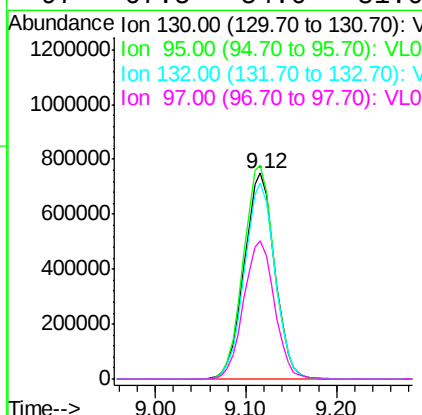
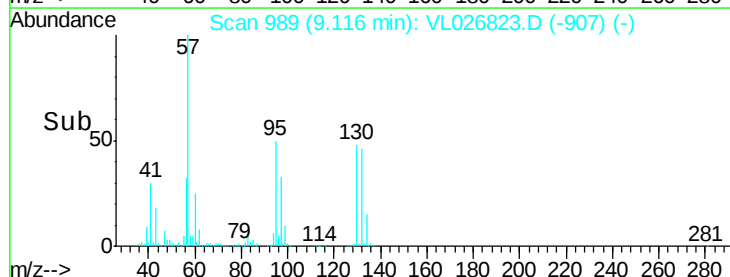
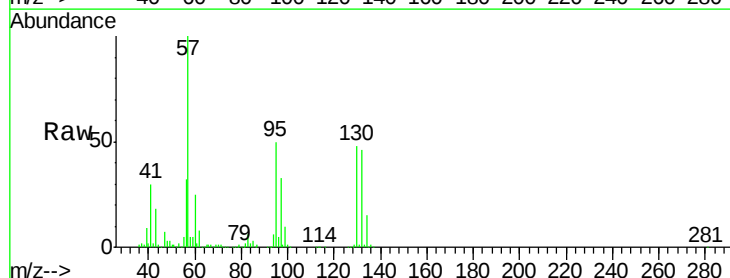
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

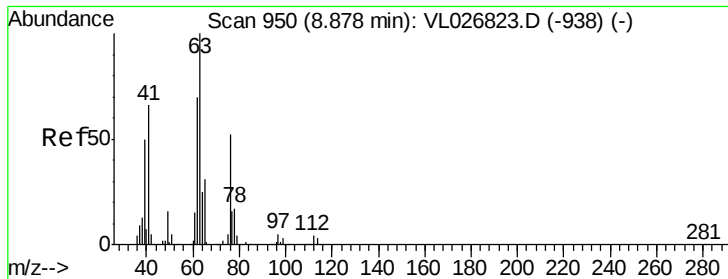
Tgt Ion: 62 Resp: 2246539
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.4 8.2



#38
 Trichloroethene
 Concen: 10.10 ppbv
 RT: 9.12 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 130 Resp: 1743555
 Ion Ratio Lower Upper
 130 100
 95 103.8 83.0 124.6
 132 95.0 76.0 114.0
 97 67.5 54.0 81.0

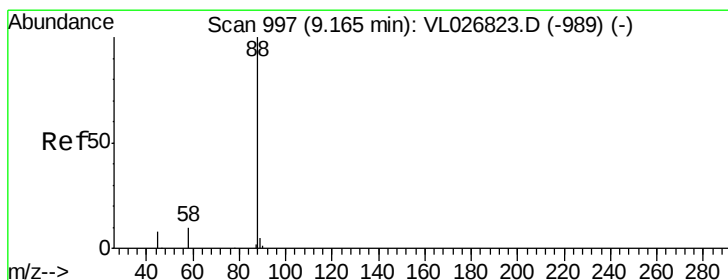
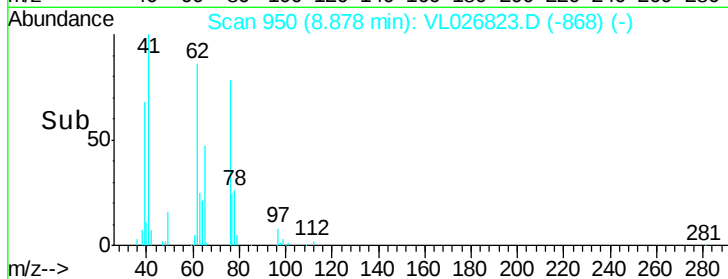
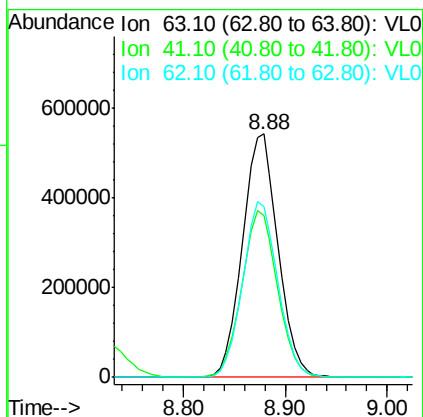
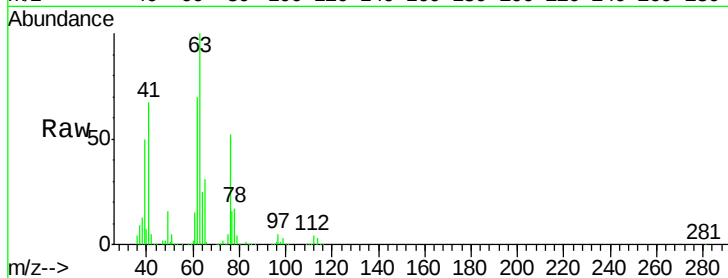




#39
 1,2-Dichloropropane
 Concen: 10.71 ppbv
 RT: 8.88 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

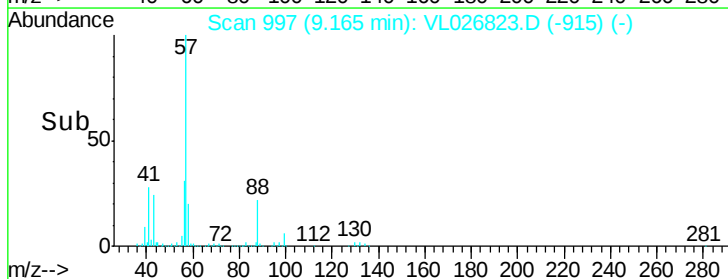
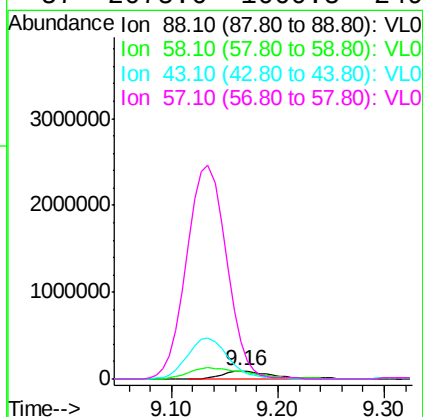
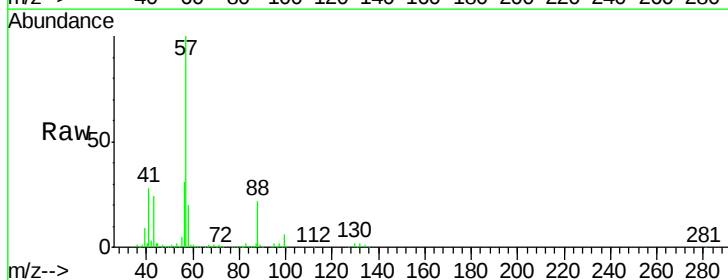
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

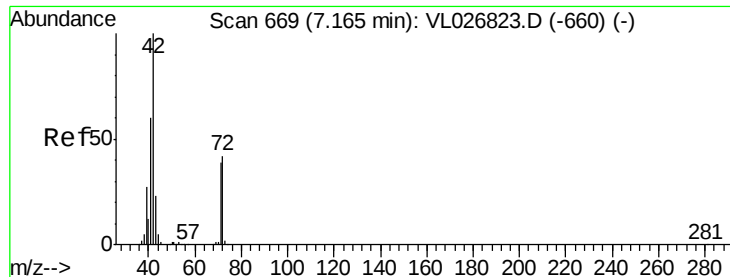
Tgt Ion: 63 Resp: 1315769
 Ion Ratio Lower Upper
 63 100
 41 66.5 53.2 79.8
 62 70.0 56.0 84.0



#40
 1,4-Dioxane
 Concen: 10.26 ppbv
 RT: 9.16 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 88 Resp: 308490
 Ion Ratio Lower Upper
 88 100
 58 169.5 135.6 203.4
 43 415.4 332.3 498.5
 57 2075.6 1660.5 2490.7





#41

Tetrahydrofuran

Concen: 13.33 ppbv

RT: 7.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

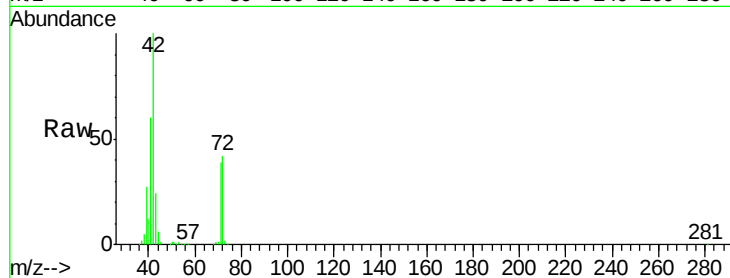
Tgt Ion: 42 Resp: 1220840

Ion Ratio Lower Upper

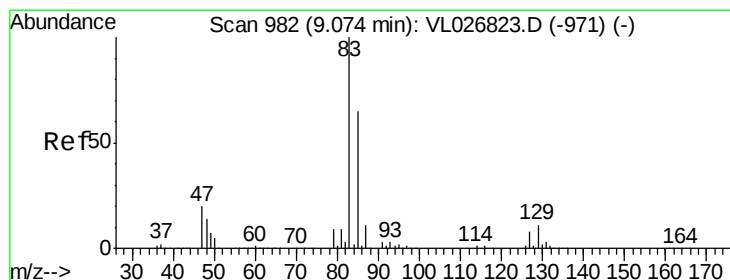
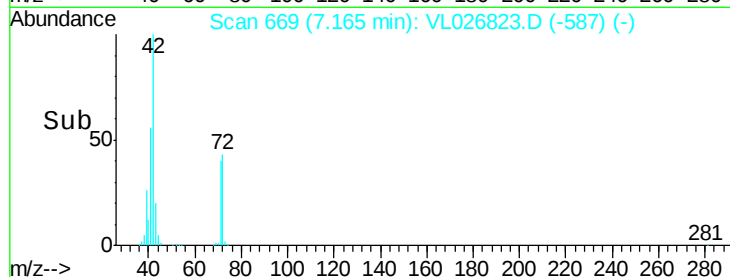
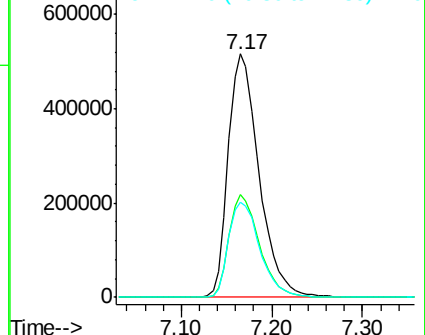
42 100

72 41.7 33.4 50.0

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: 7.71 ppbv

RT: 9.07 min Scan# 982

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

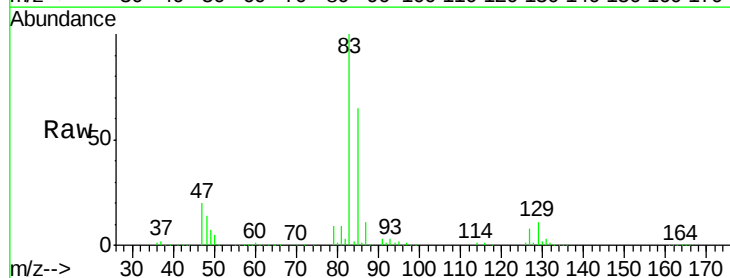
Tgt Ion: 83 Resp: 3142073

Ion Ratio Lower Upper

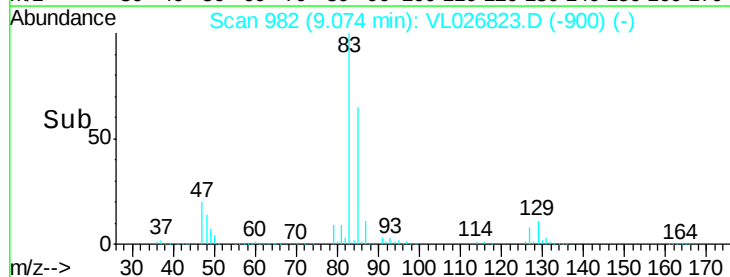
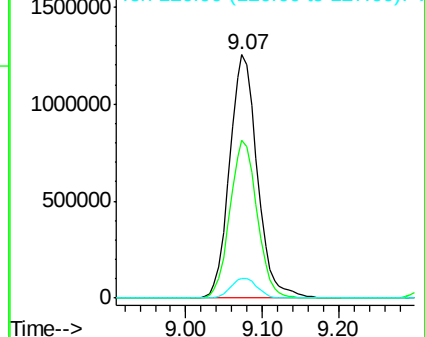
83 100

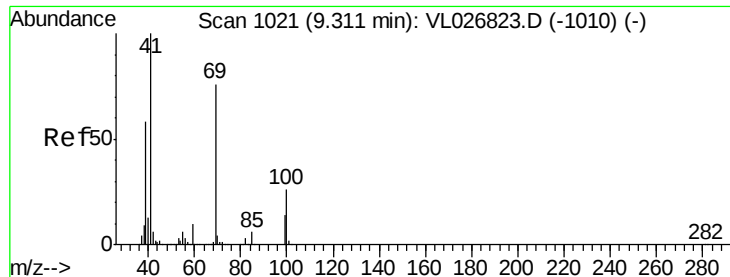
85 64.7 51.8 77.6

127 8.0 6.4 9.6



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

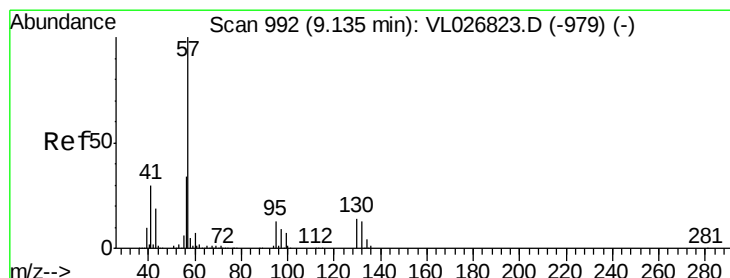
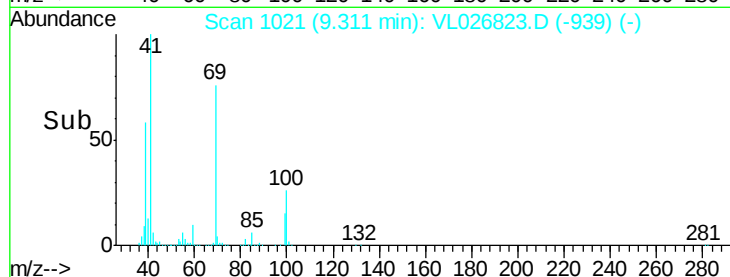
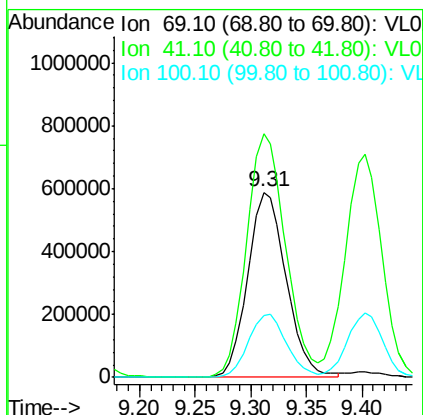
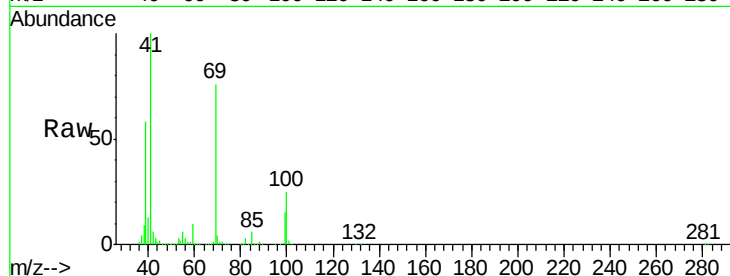




#43
Methyl Methacrylate
Concen: 10.07 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

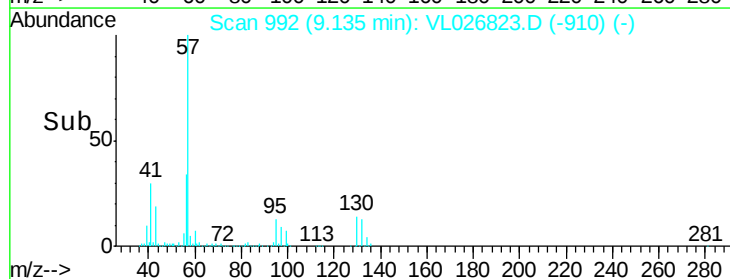
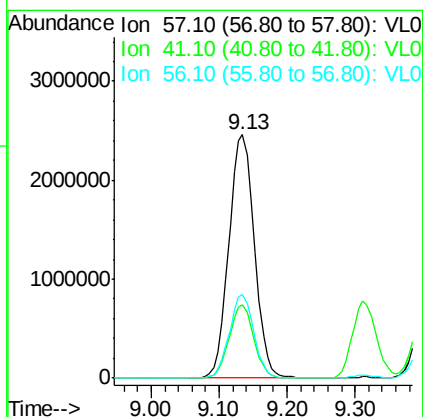
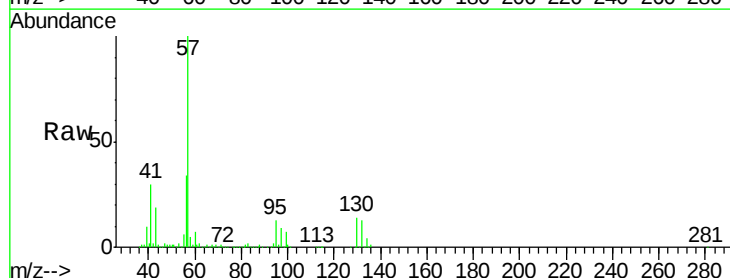
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

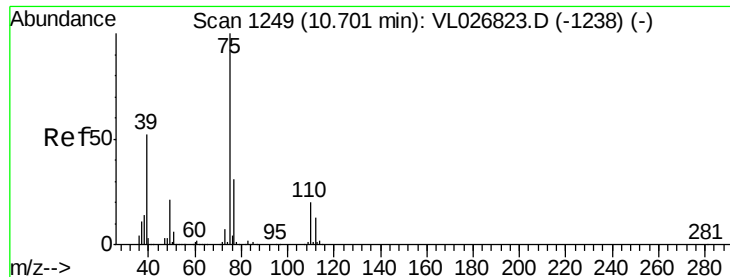
Tgt Ion: 69 Resp: 1416130
Ion Ratio Lower Upper
69 100
41 133.1 106.5 159.7
100 34.0 27.2 40.8



#44
2,2,4-Trimethylpentane
Concen: 11.02 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 57 Resp: 6403801
Ion Ratio Lower Upper
57 100
41 29.0 23.2 34.8
56 32.8 26.2 39.4

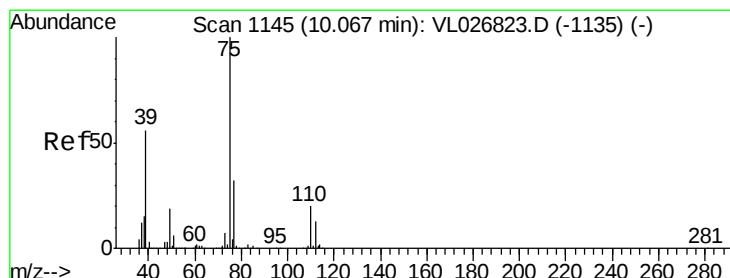
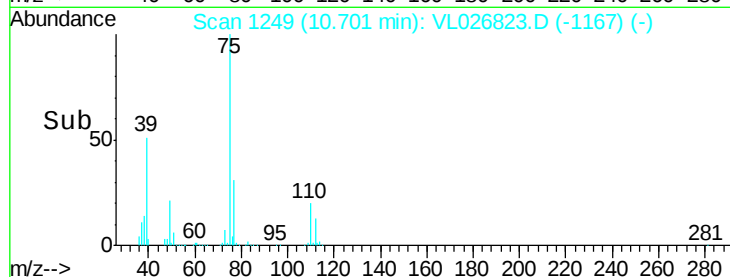
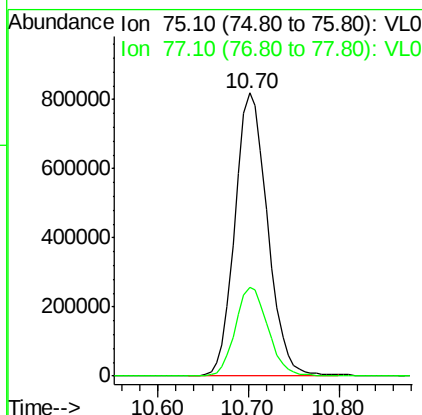
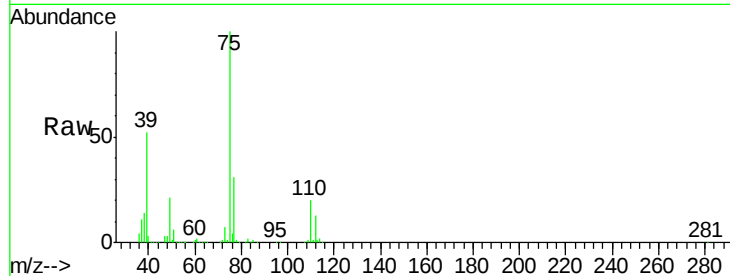




#45
t-1,3-Dichloropropene
Concen: 8.40 ppbv
RT: 10.70 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

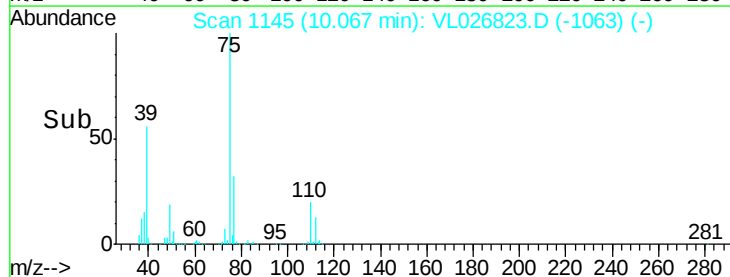
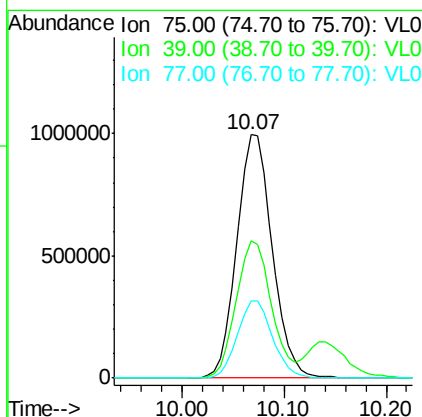
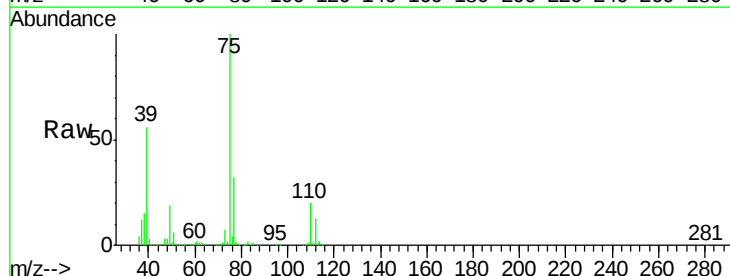
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

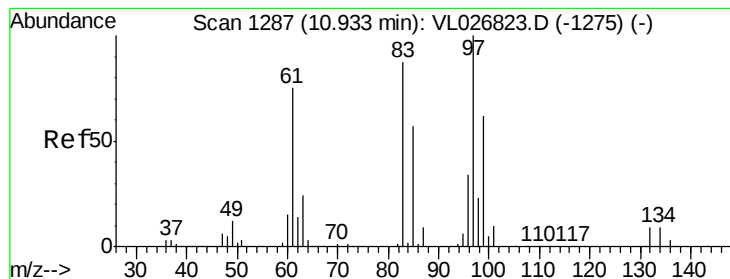
Tgt Ion: 75 Resp: 2045947
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6



#46
cis-1,3-Dichloropropene
Concen: 9.23 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 75 Resp: 2405851
Ion Ratio Lower Upper
75 100
39 56.3 45.0 67.6
77 31.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 7.82 ppbv

RT: 10.93 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1518853

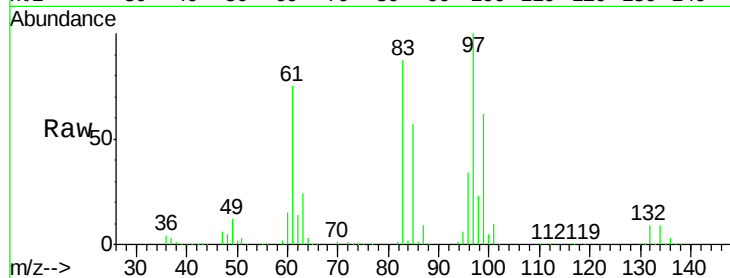
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 56.6 45.3 67.9

99 62.4 49.9 74.9

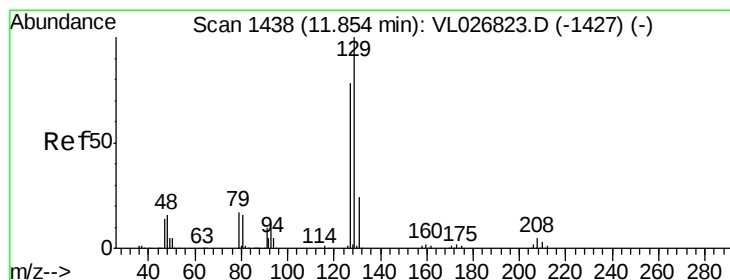
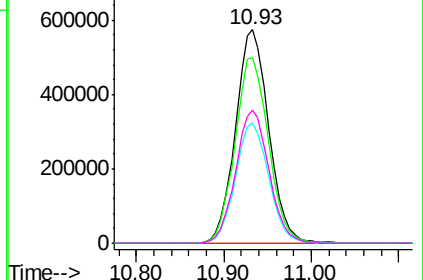
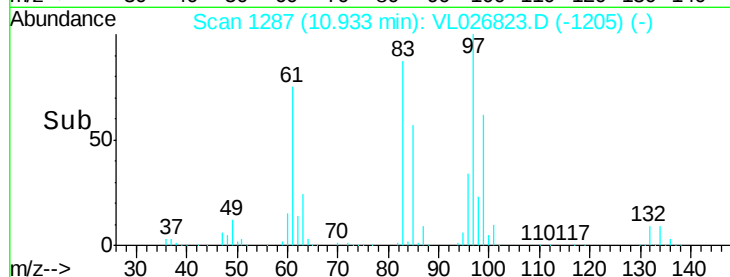


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.36 ppbv

RT: 11.85 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VL026823.D

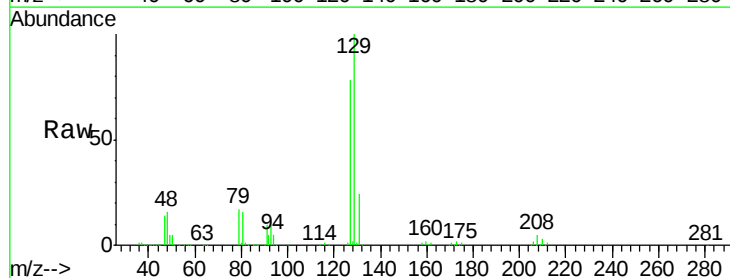
Acq: 9 Feb 2016 16:54

Tgt Ion: 129 Resp: 2692186

Ion Ratio Lower Upper

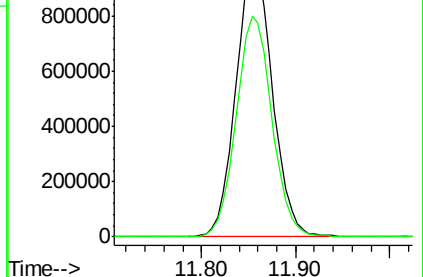
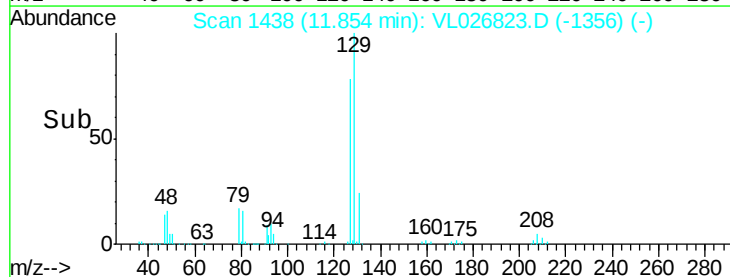
129 100

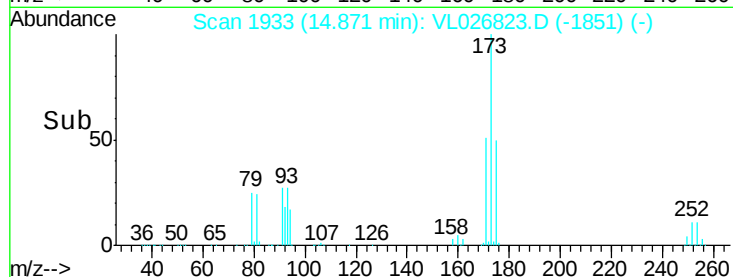
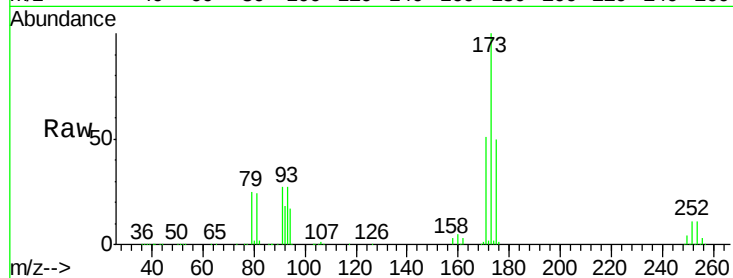
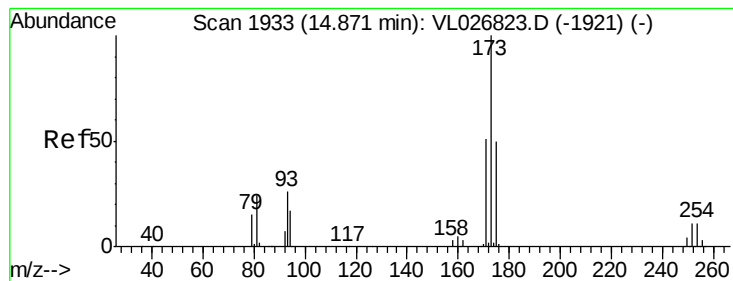
127 79.3 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 6.74 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

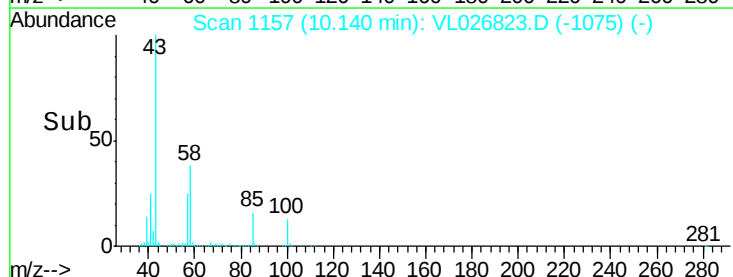
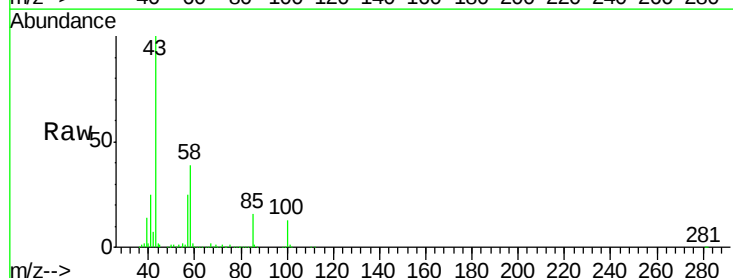
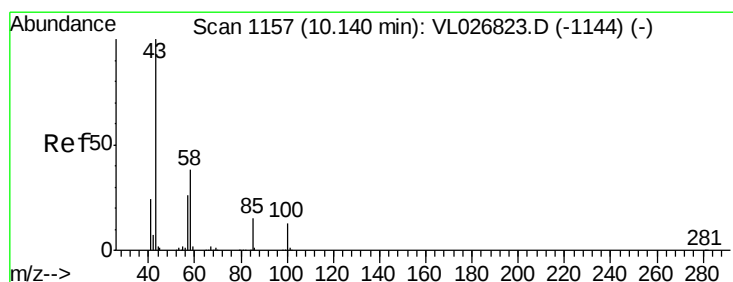
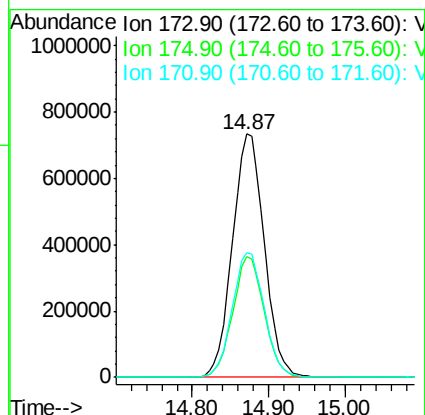
Tgt Ion:173 Resp: 2119123

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

171 51.7 41.4 62.0



#50

4-Methyl-2-Pentanone

Concen: 10.25 ppbv

RT: 10.14 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL026823.D

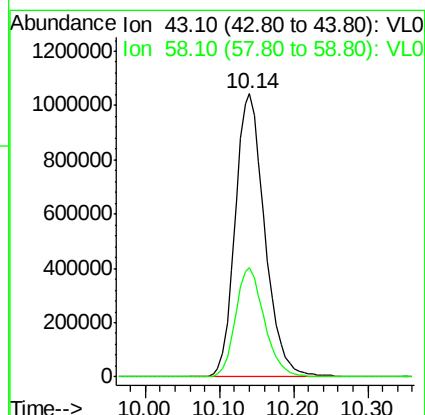
Acq: 9 Feb 2016 16:54

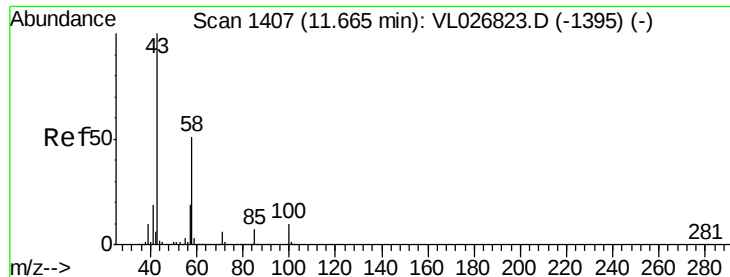
Tgt Ion: 43 Resp: 2889822

Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5

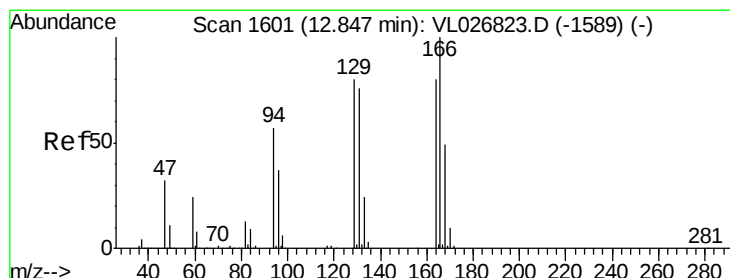
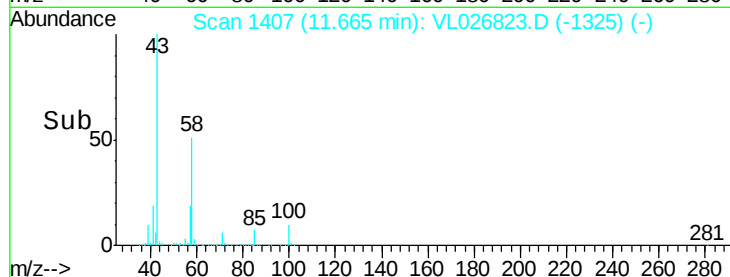
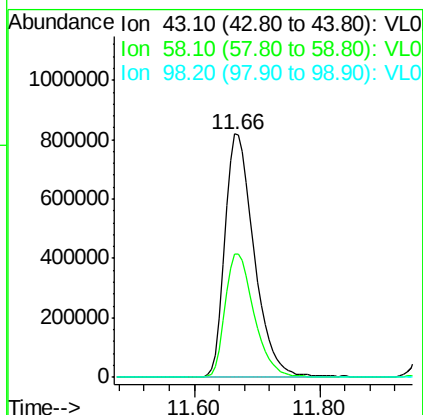
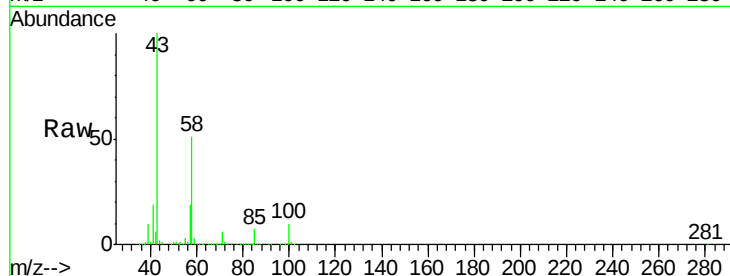




#51
2-Hexanone
Concen: 9.75 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

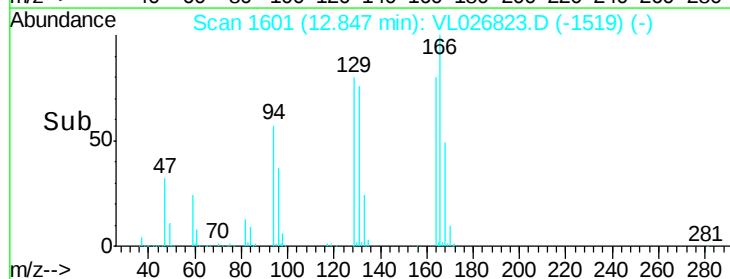
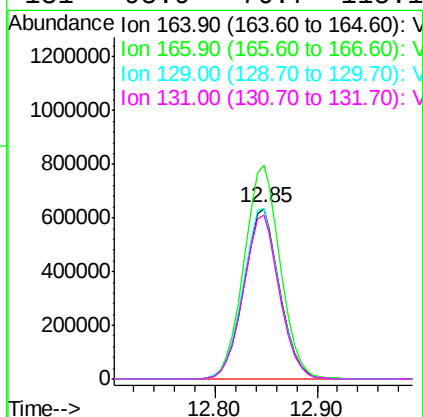
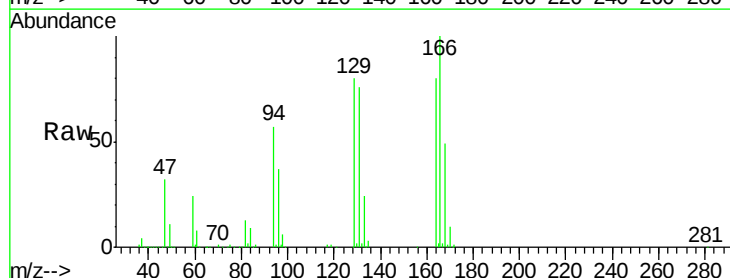
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

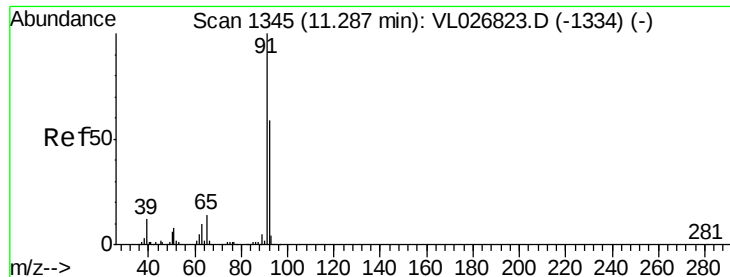
Tgt Ion: 43 Resp: 2647118
Ion Ratio Lower Upper
43 100
58 50.5 40.4 60.6
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 7.52 ppbv
RT: 12.85 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 164 Resp: 1543070
Ion Ratio Lower Upper
164 100
166 125.4 100.3 150.5
129 100.0 80.0 120.0
131 95.9 76.7 115.1





#53

Toluene

Concen: 8.37 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

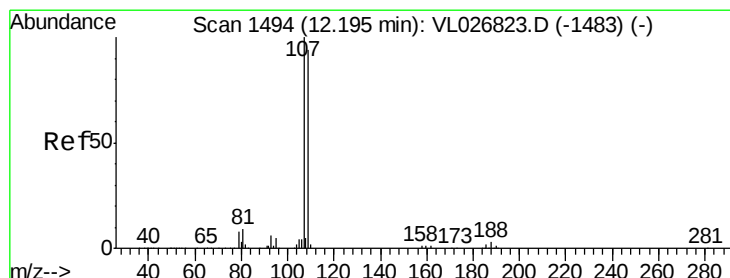
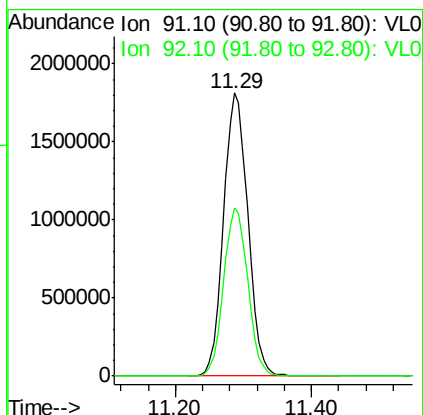
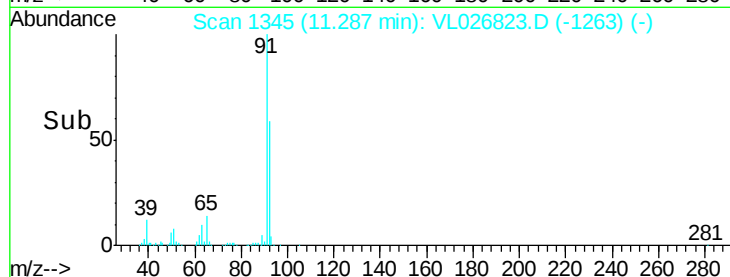
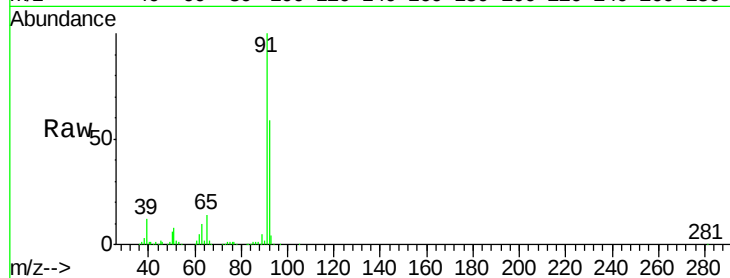
VSTDICCC010

Tgt Ion: 91 Resp: 4492608

Ion Ratio Lower Upper

91 100

92 59.1 47.3 70.9



#54

1,2-Dibromoethane

Concen: 7.11 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026823.D

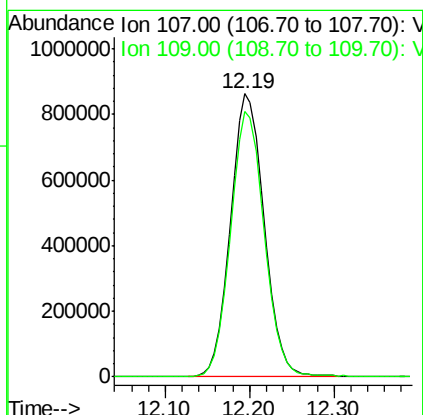
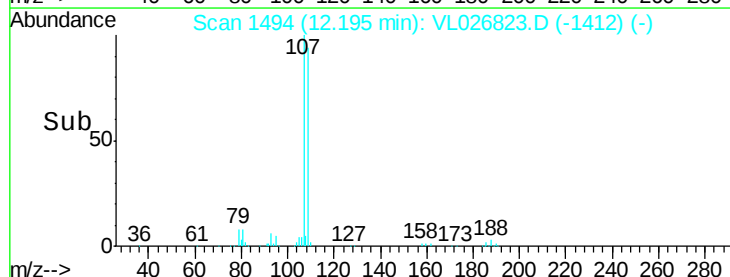
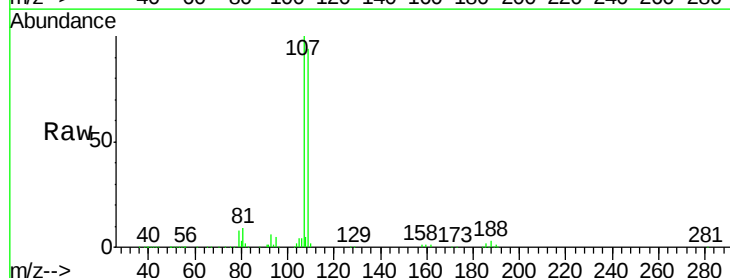
Acq: 9 Feb 2016 16:54

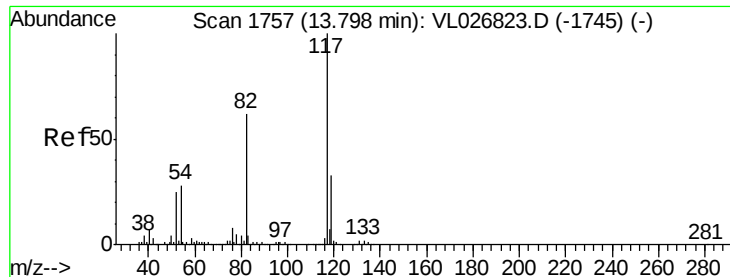
Tgt Ion: 107 Resp: 2337724

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4

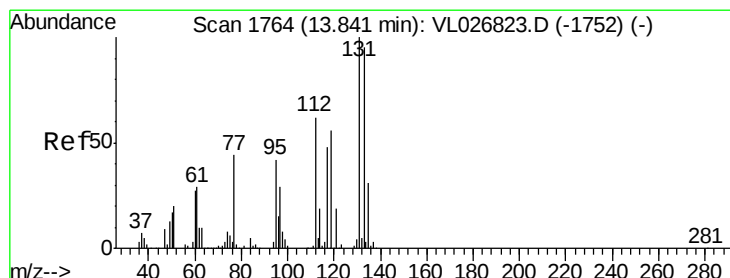
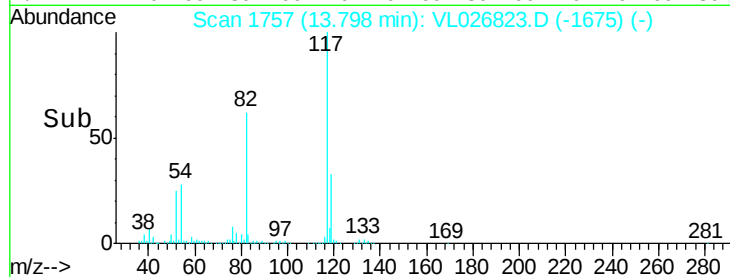
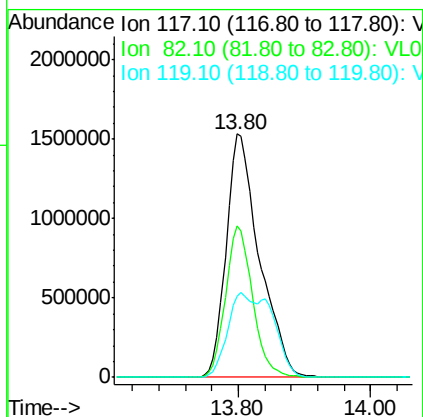
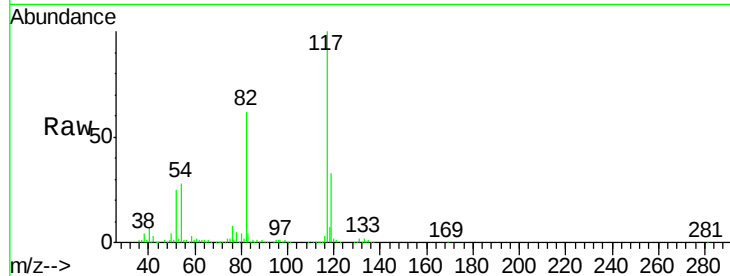




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

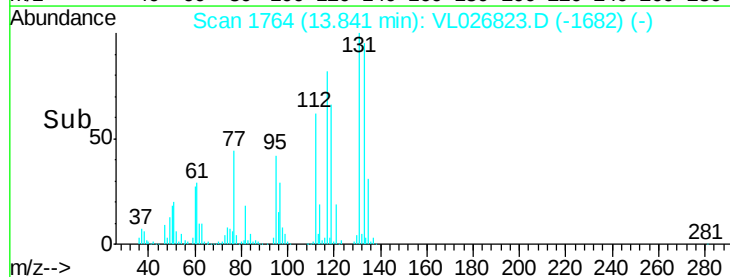
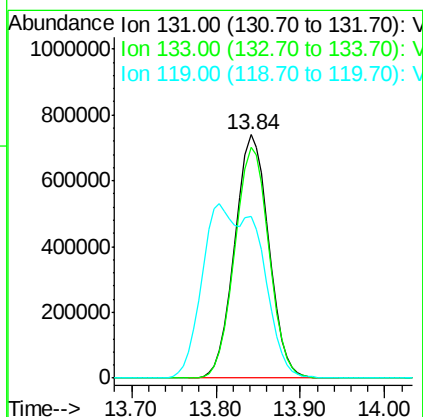
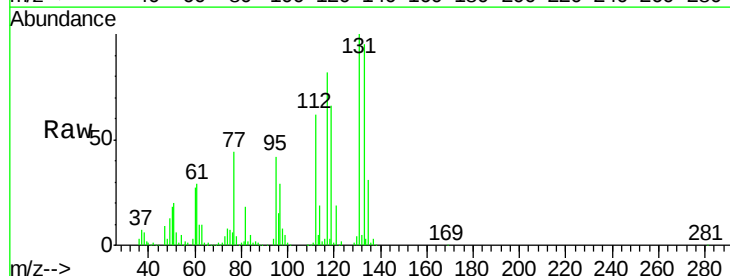
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

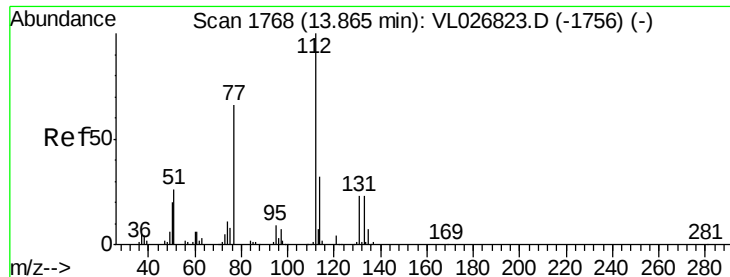
Tgt Ion:117 Resp: 5331545
Ion Ratio Lower Upper
117 100
82 51.0 51.9 77.9#
119 47.6 48.5 72.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.18 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion:131 Resp: 2023694
Ion Ratio Lower Upper
131 100
133 95.5 76.4 114.6
119 124.8 99.8 149.8

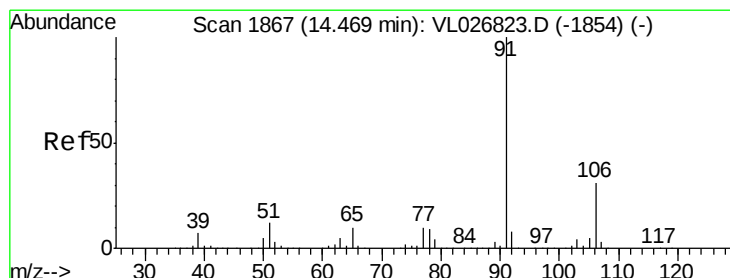
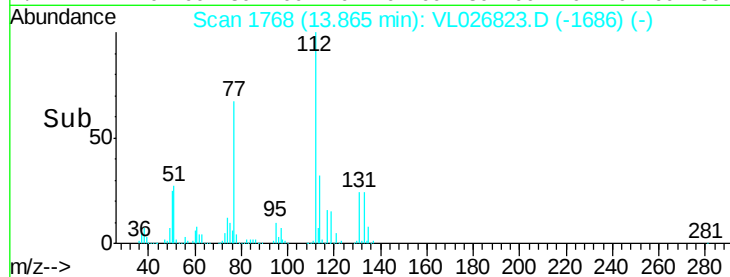
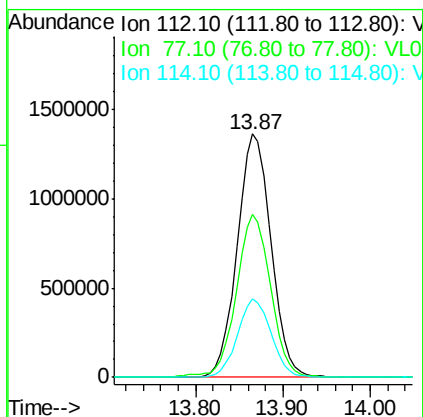
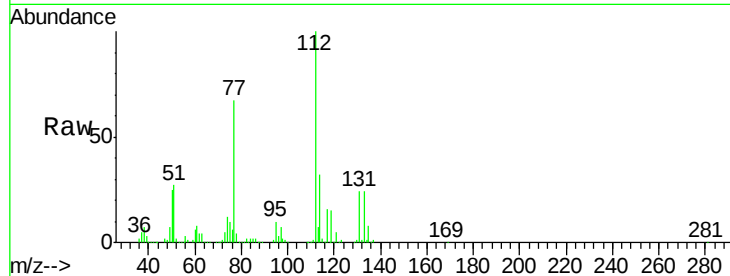




#57
Chlorobenzene
Concen: 6.80 ppbv
RT: 13.87 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

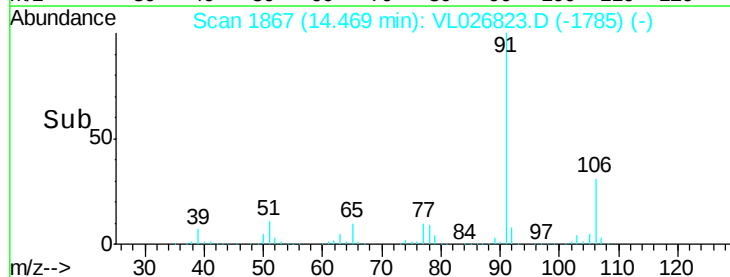
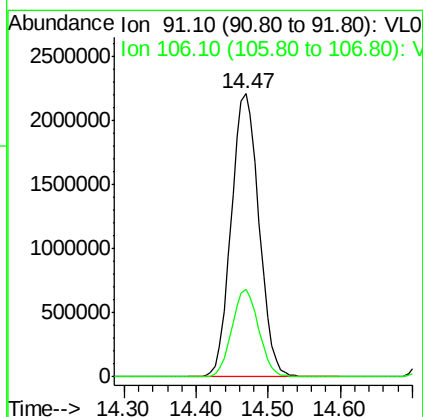
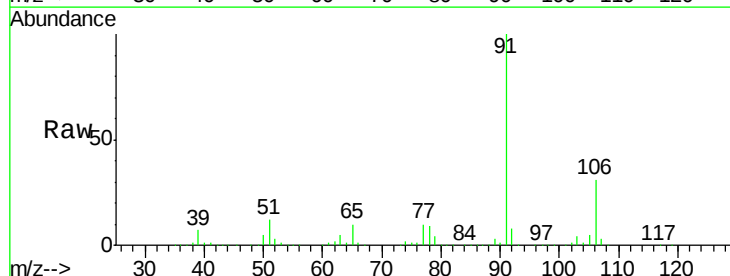
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

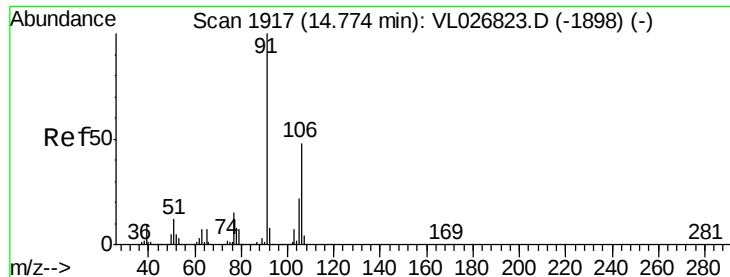
Tgt Ion: 112 Resp: 3668155
Ion Ratio Lower Upper
112 100
77 66.6 53.3 79.9
114 32.1 28.9 35.3



#58
Ethyl Benzene
Concen: 6.77 ppbv
RT: 14.47 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 91 Resp: 5909568
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

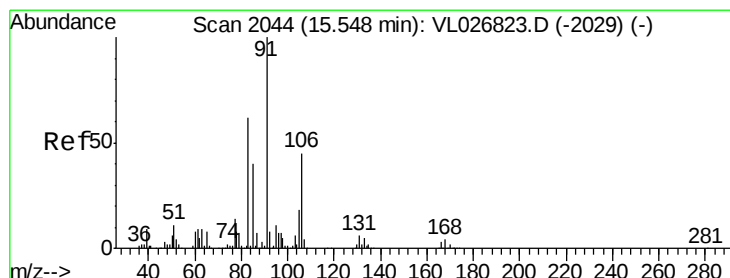
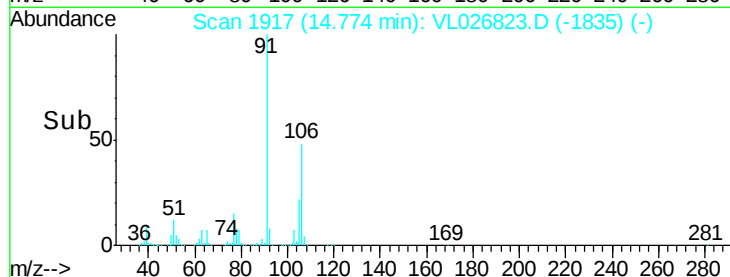
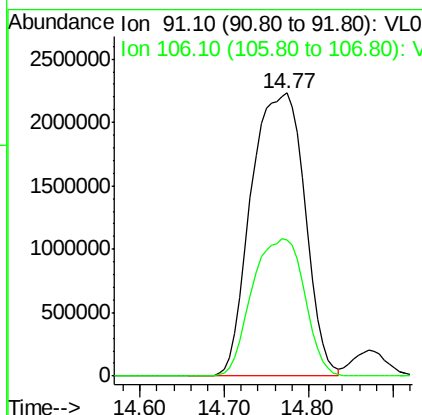
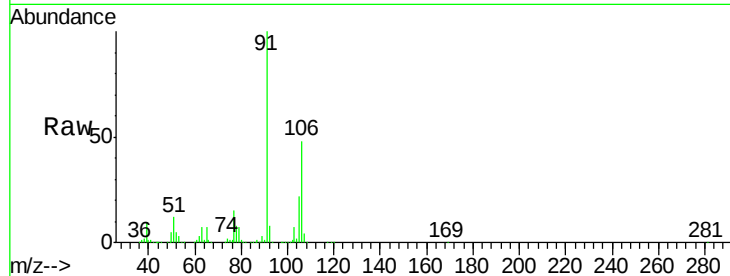




#59
m/p-Xylene
Concen: 12.74 ppbv
RT: 14.77 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

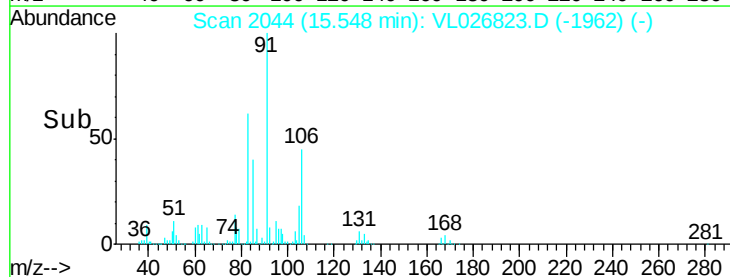
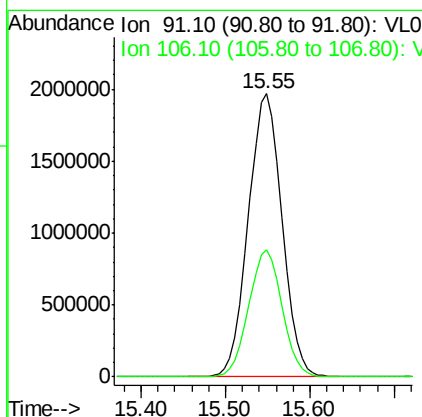
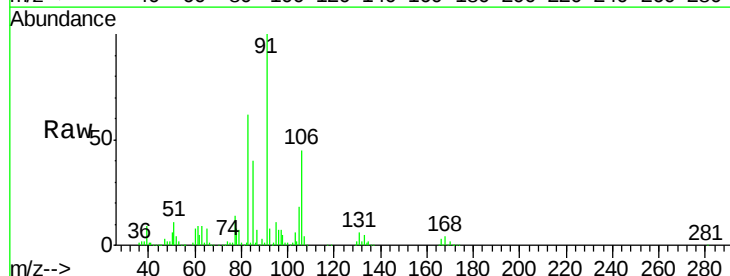
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

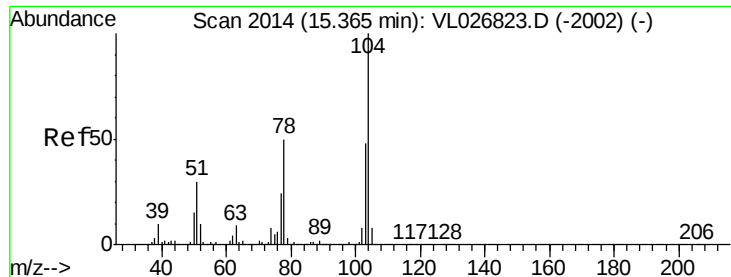
Tgt Ion: 91 Resp: 9744044
Ion Ratio Lower Upper
91 100
106 47.7 38.2 57.2



#60
o-Xylene
Concen: 6.34 ppbv
RT: 15.55 min Scan# 2044
Delta R.T. 0.00 min
Lab File: VL026823.D
Acq: 9 Feb 2016 16:54

Tgt Ion: 91 Resp: 5358882
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.8





#61

Styrene

Concen: 6.66 ppbv

RT: 15.37 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

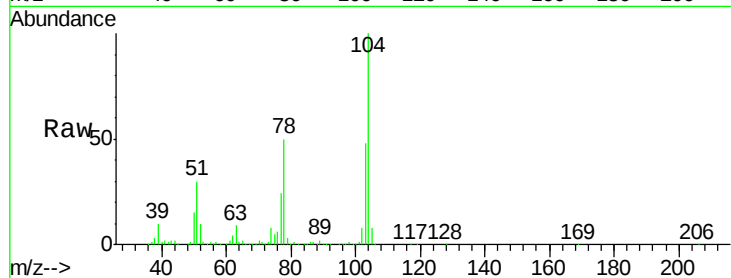
Tgt Ion:104 Resp: 2022934

Ion Ratio Lower Upper

104 100

78 49.7 39.8 59.6

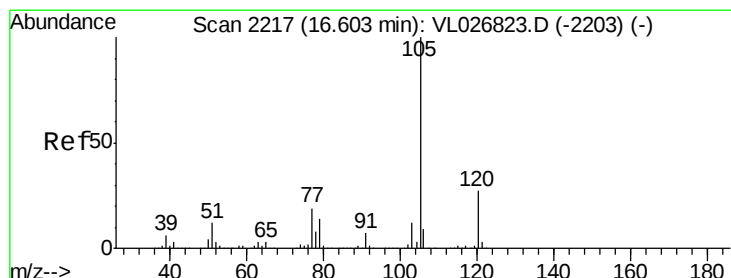
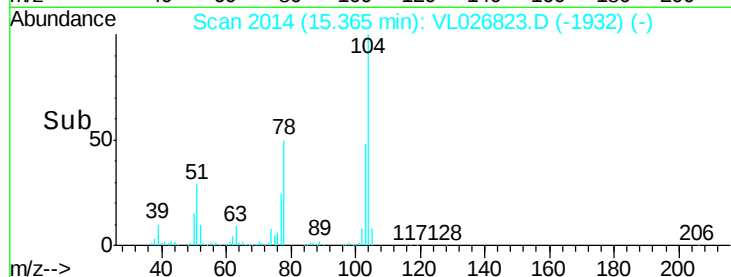
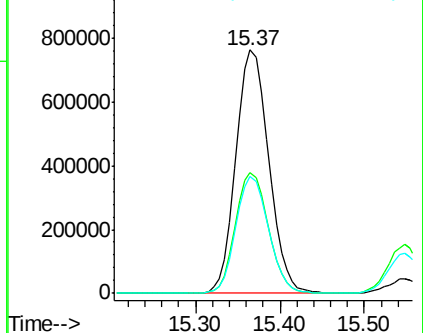
103 47.8 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 5.80 ppbv

RT: 16.60 min Scan# 2217

Delta R.T. 0.00 min

Lab File: VL026823.D

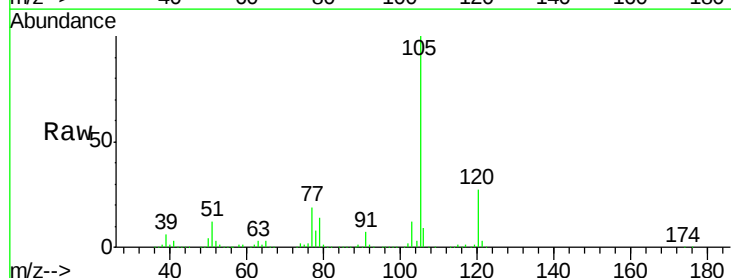
Acq: 9 Feb 2016 16:54

Tgt Ion:105 Resp: 6394790

Ion Ratio Lower Upper

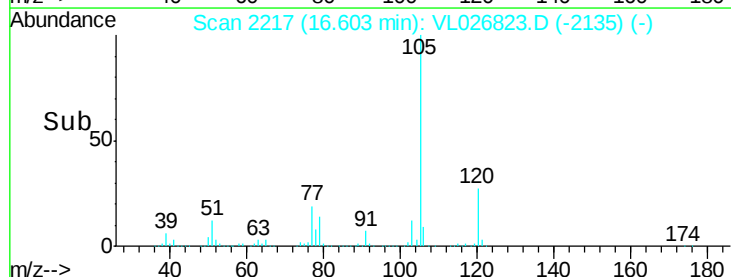
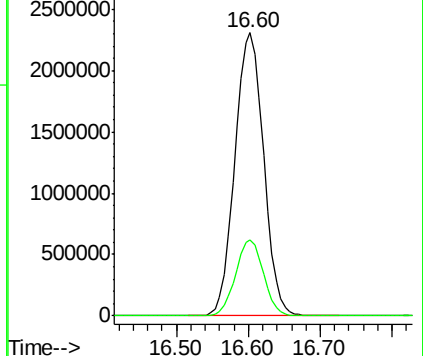
105 100

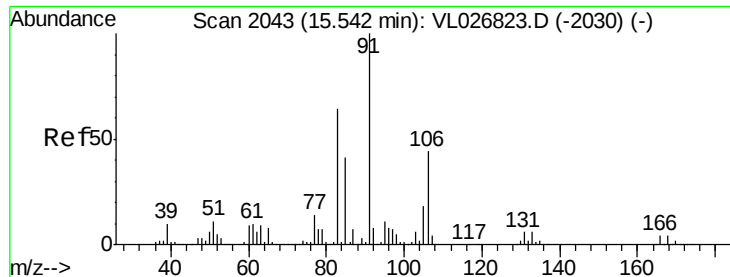
120 26.2 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

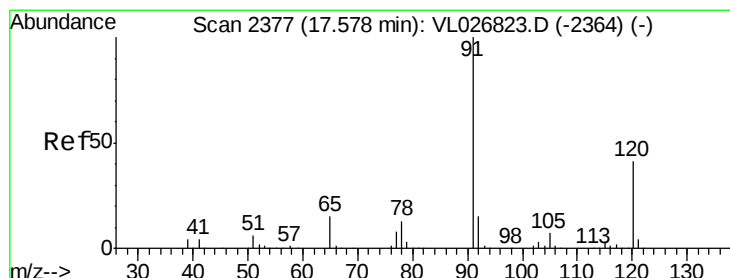
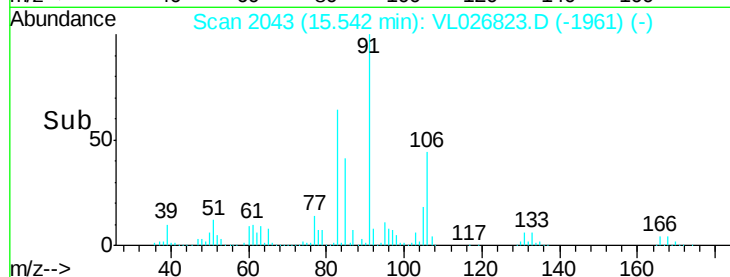
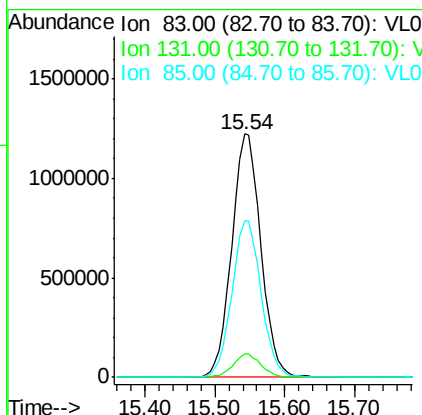
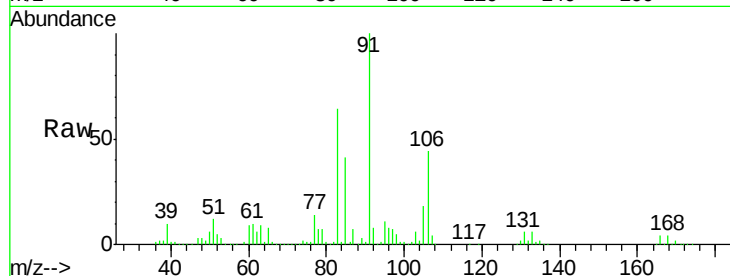




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.49 ppbv
 RT: 15.54 min Scan# 2043
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

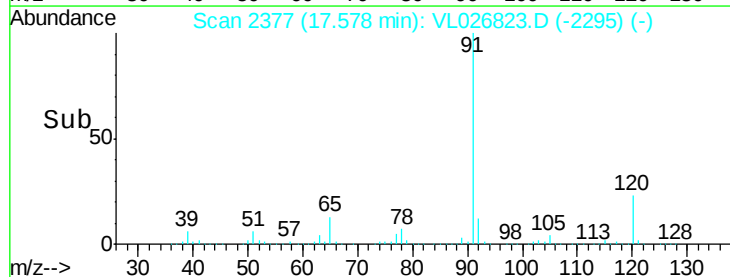
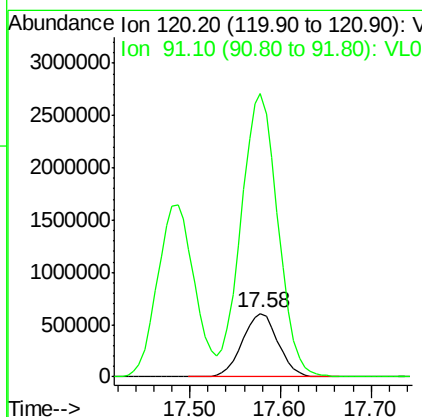
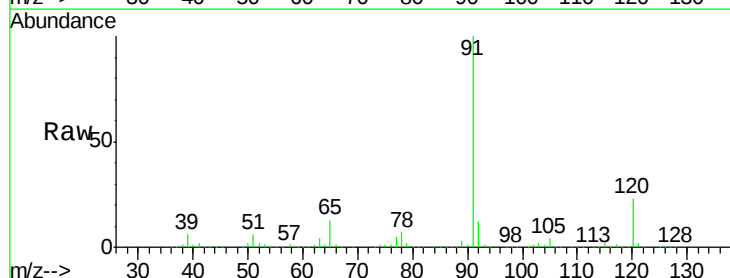
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

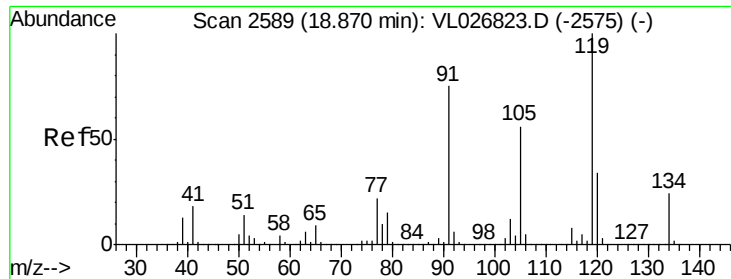
Tgt Ion: 83 Resp: 3543367
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 64.6 32.3 96.9



#64
 n-propylbenzene
 Concen: 5.35 ppbv
 RT: 17.58 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 120 Resp: 1654545
 Ion Ratio Lower Upper
 120 100
 91 453.8 363.0 544.6

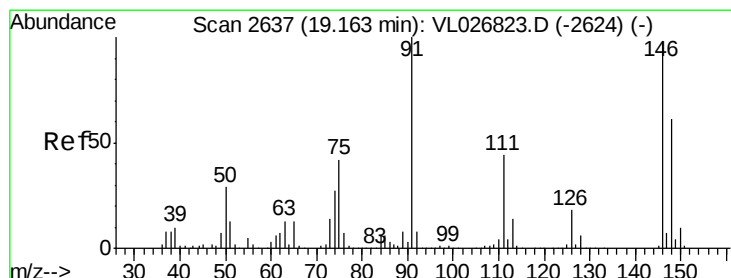
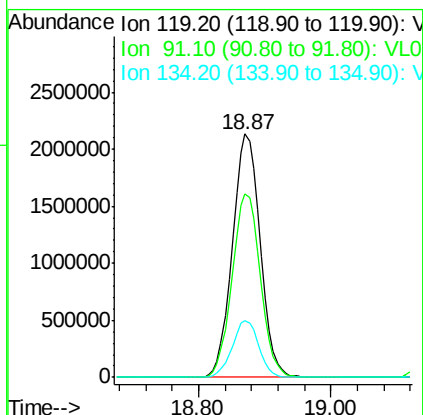
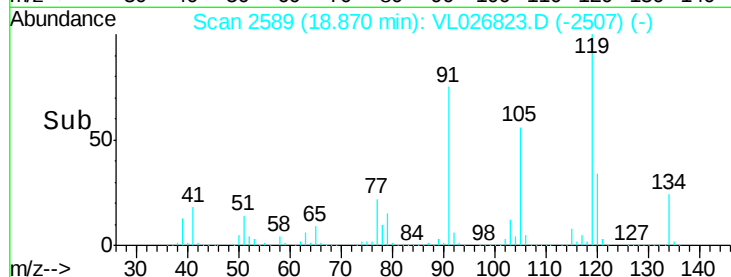
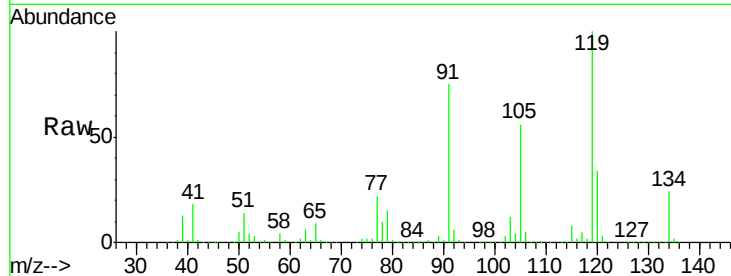




#65
 tert-Butylbenzene
 Concen: 5.57 ppbv
 RT: 18.87 min Scan# 2589
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

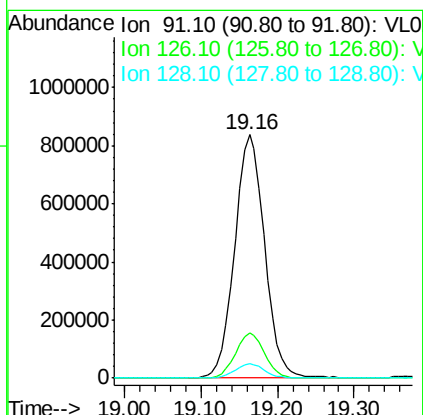
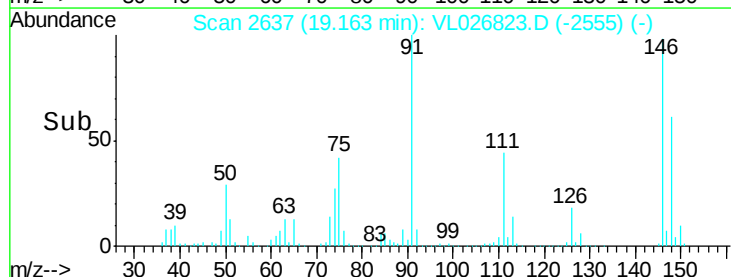
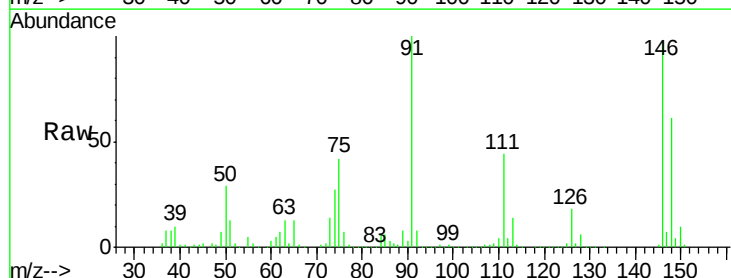
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

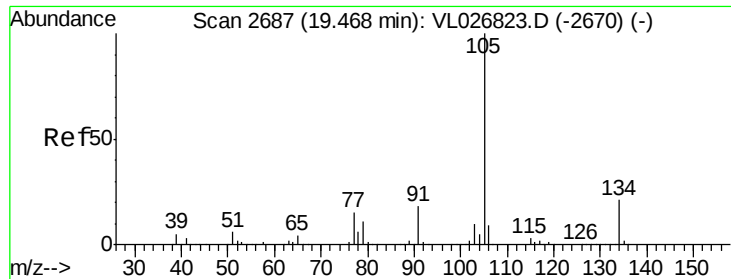
Tgt Ion: 119 Resp: 6208664
 Ion Ratio Lower Upper
 119 100
 91 76.9 61.5 92.3
 134 22.4 17.9 26.9



#66
 Benzyl Chloride
 Concen: 5.39 ppbv
 RT: 19.16 min Scan# 2637
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 91 Resp: 2265231
 Ion Ratio Lower Upper
 91 100
 126 18.2 14.6 21.8
 128 5.7 4.6 6.8

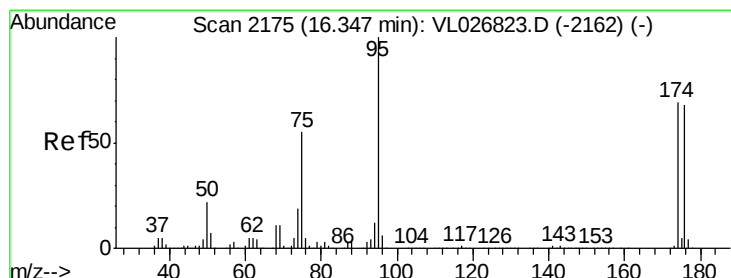
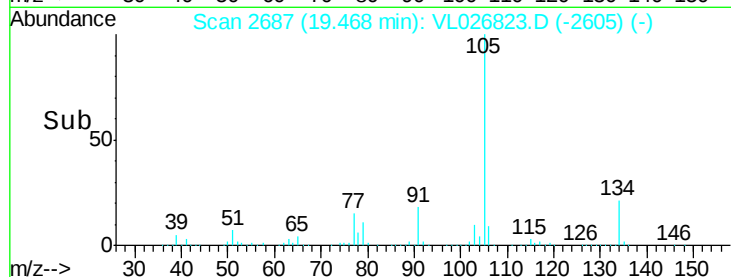
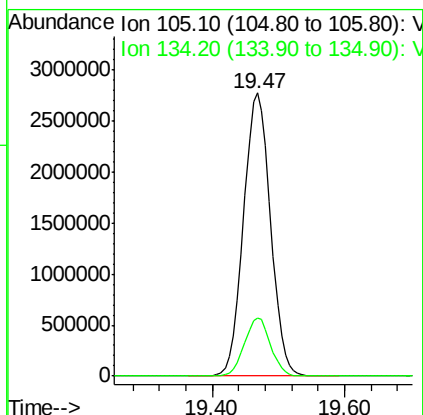
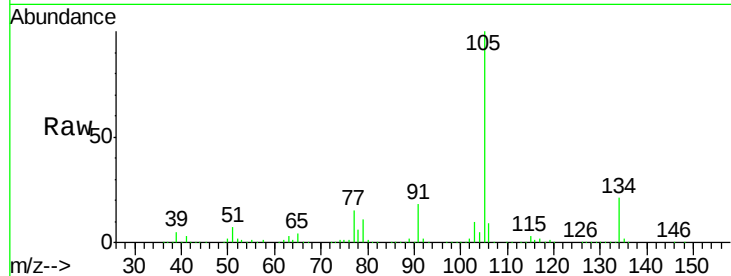




#67
 sec-Butylbenzene
 Concen: 4.82 ppbv
 RT: 19.47 min Scan# 2687
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

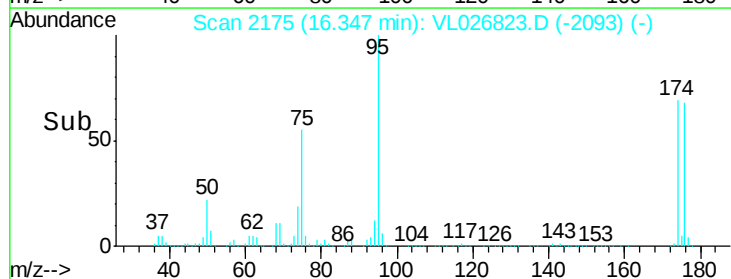
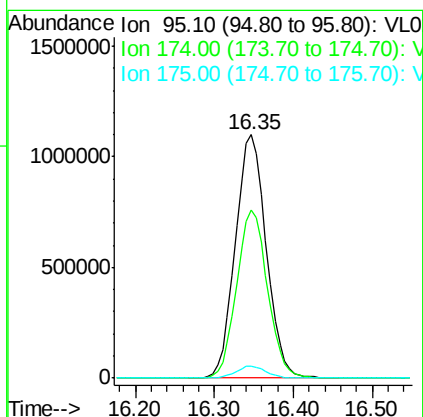
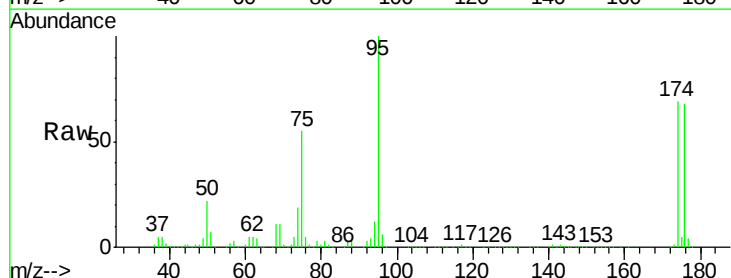
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

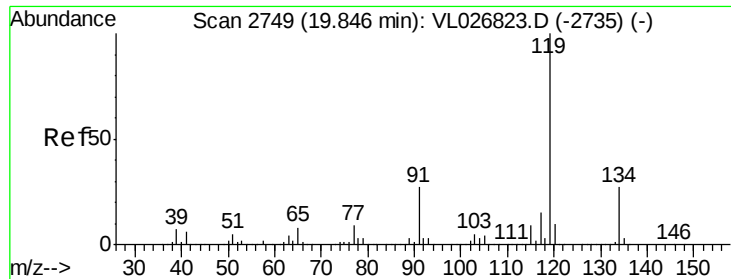
Tgt Ion: 105 Resp: 7852813
 Ion Ratio Lower Upper
 105 100
 134 20.1 16.1 24.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 6.62 ppbv
 RT: 16.35 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 95 Resp: 2997558
 Ion Ratio Lower Upper
 95 100
 174 69.5 55.6 83.4
 175 4.9 3.9 5.9

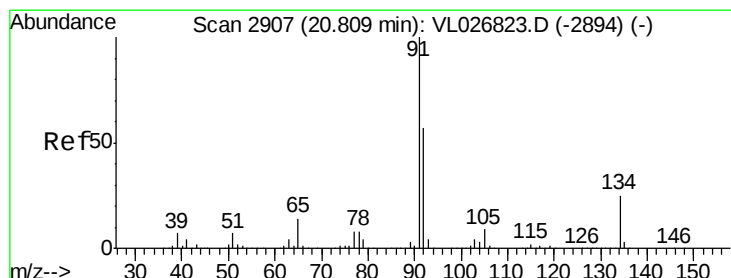
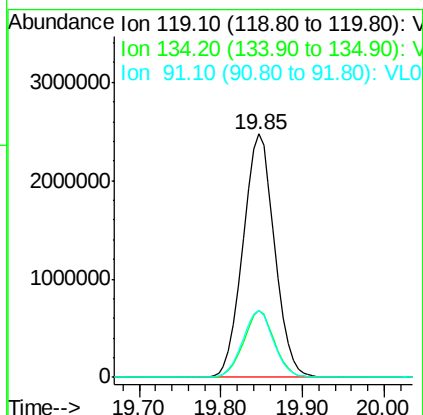
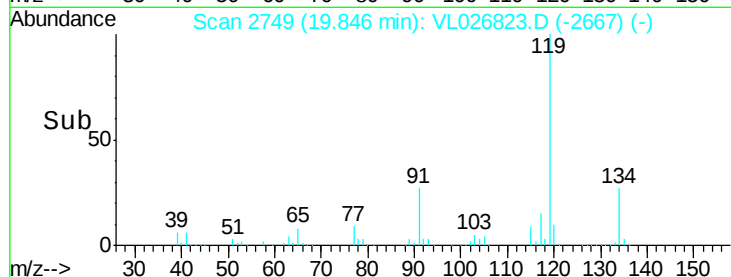
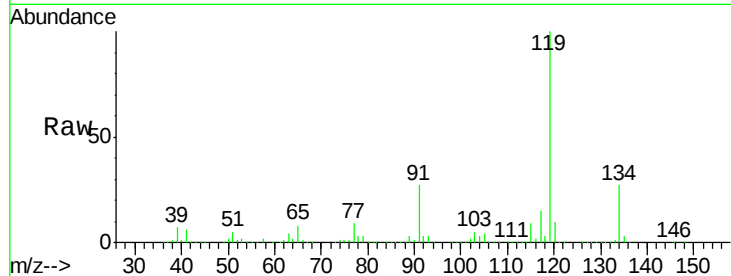




#69
 p-Isopropyltoluene
 Concen: 5.05 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

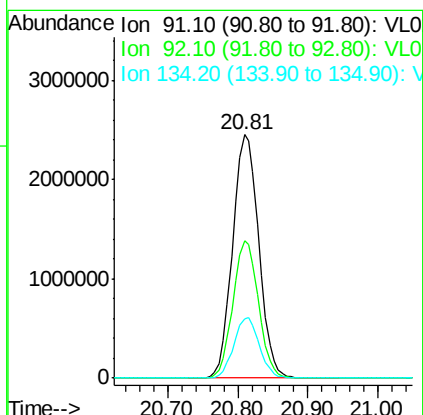
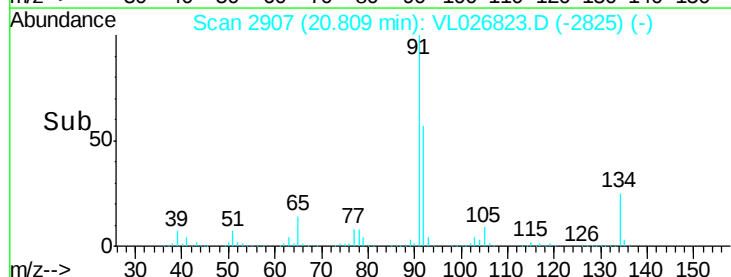
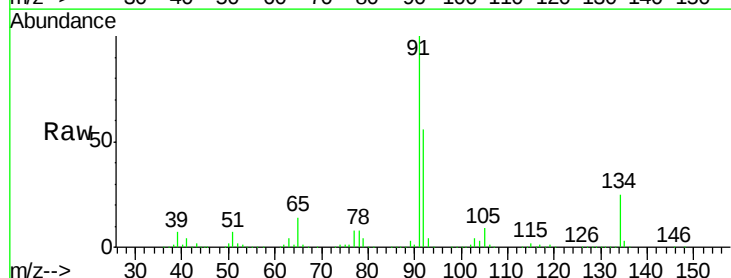
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

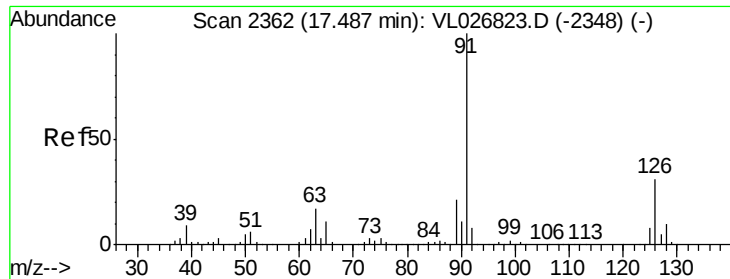
Tgt Ion: 119 Resp: 6657181
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.3 31.9
 91 26.9 21.5 32.3



#70
 n-Butylbenzene
 Concen: 4.64 ppbv
 RT: 20.81 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 91 Resp: 6358617
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.2 66.4
 134 24.1 19.3 28.9

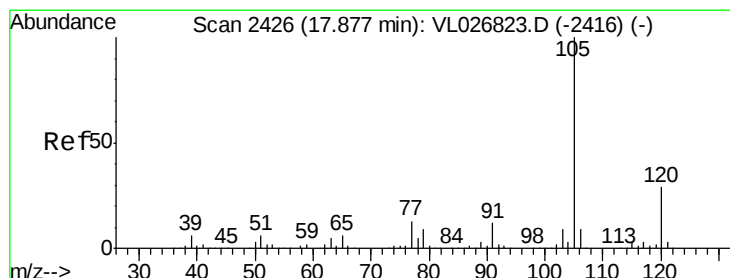
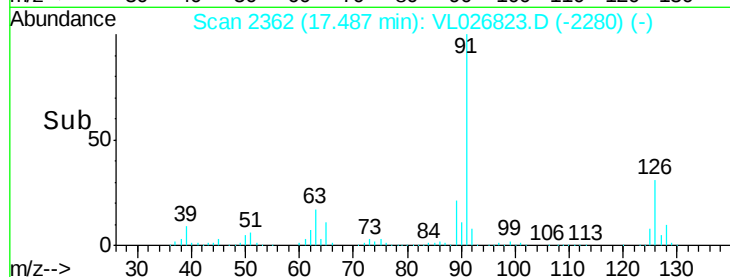
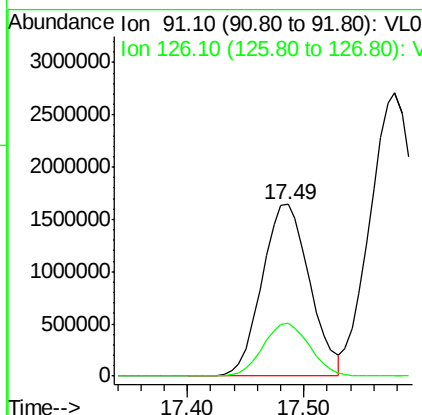
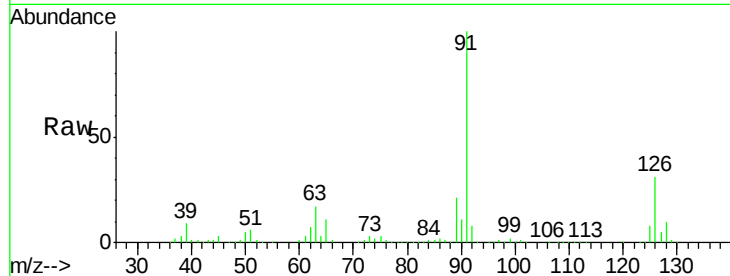




#71
 2-Chlorotoluene
 Concen: 5.44 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

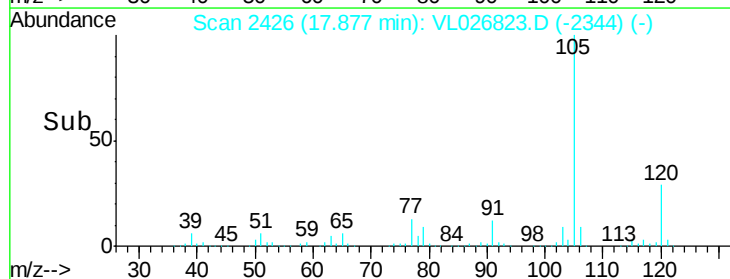
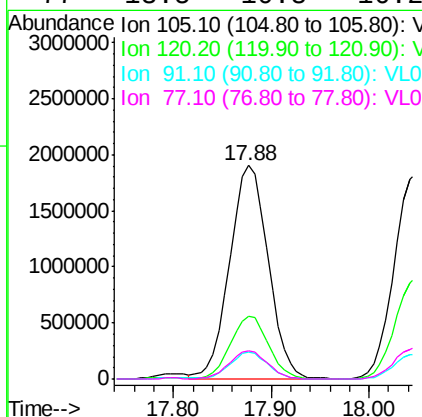
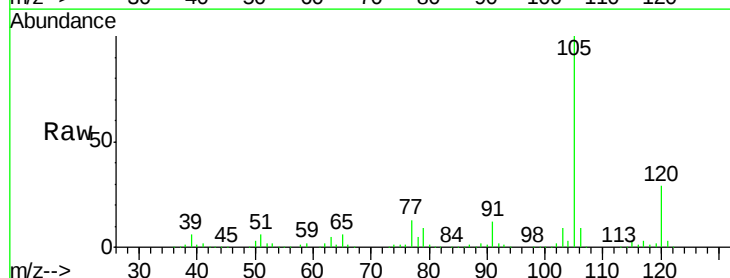
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

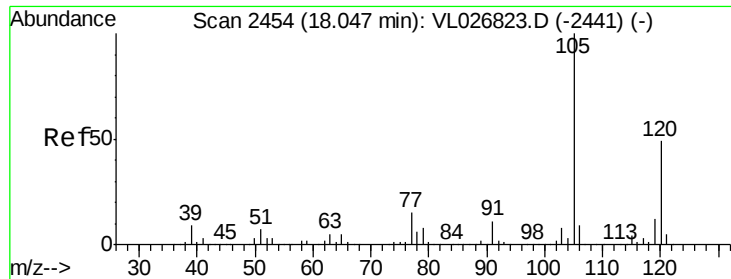
Tgt Ion: 91 Resp: 4666501
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.2 48.8



#72
 4-Ethyltoluene
 Concen: 5.43 ppbv
 RT: 17.88 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion: 105 Resp: 5218742
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.8 35.6
 91 12.8 10.2 15.4
 77 13.5 10.8 16.2

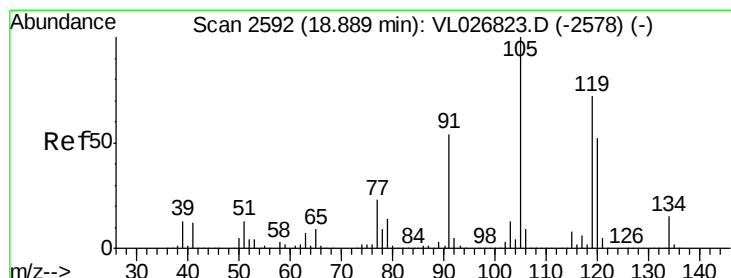
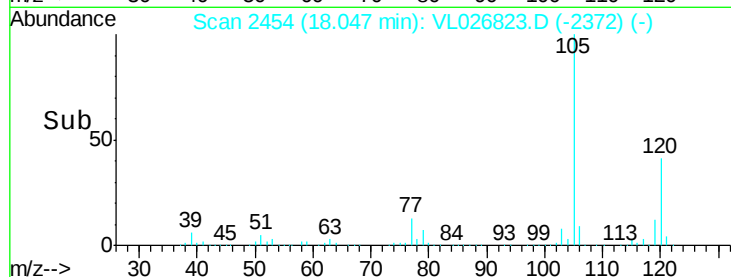
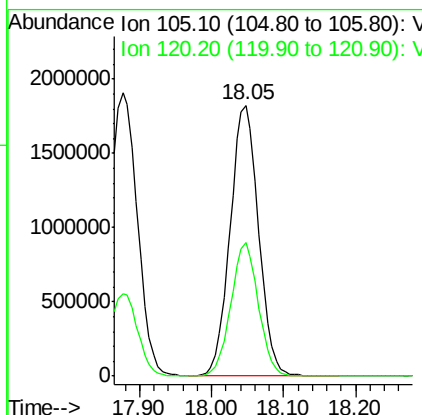
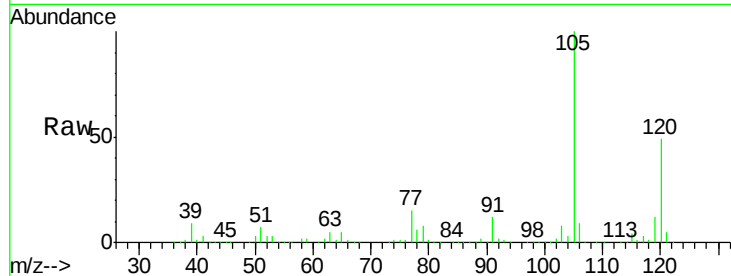




#73
 1,3,5-Trimethylbenzene
 Concen: 5.27 ppbv
 RT: 18.05 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

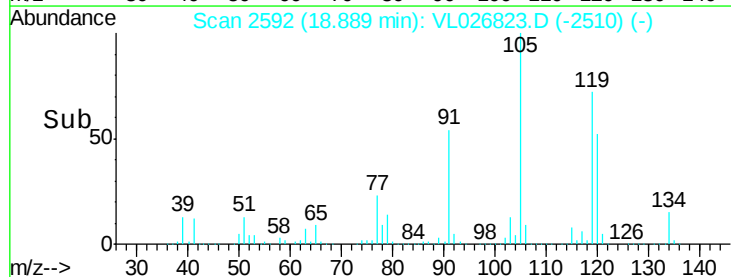
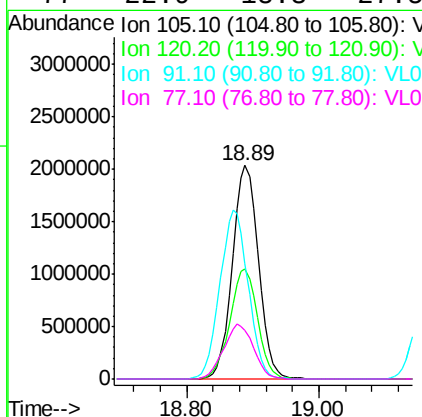
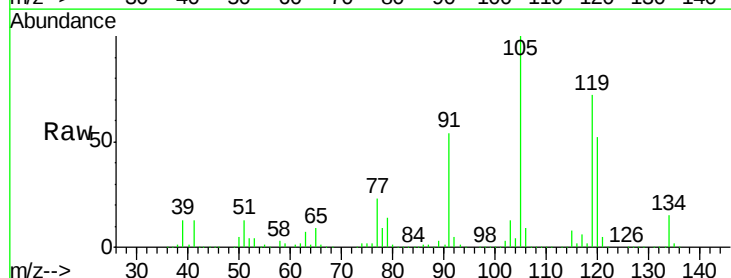
Instrument :
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 VSTDICCC010

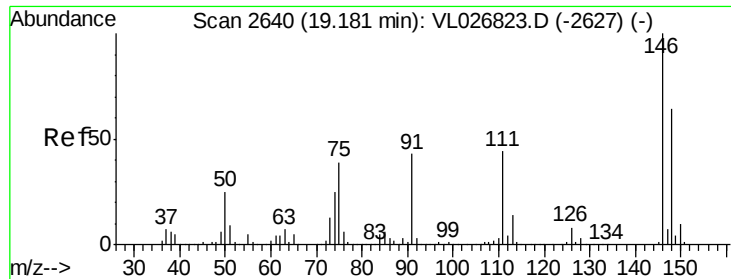
Tgt Ion:105 Resp: 4987599
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.4 59.0



#74
 1,2,4-Trimethylbenzene
 Concen: 5.33 ppbv
 RT: 18.89 min Scan# 2592
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Tgt Ion:105 Resp: 5575110
 Ion Ratio Lower Upper
 105 100
 120 51.6 41.3 61.9
 91 54.1 43.3 64.9
 77 22.9 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 4.72 ppbv

RT: 19.18 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

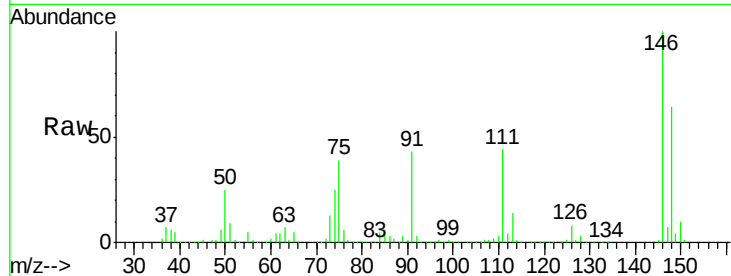
Tgt Ion:146 Resp: 3245325

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

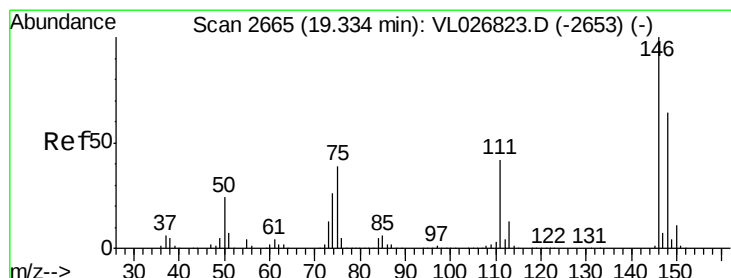
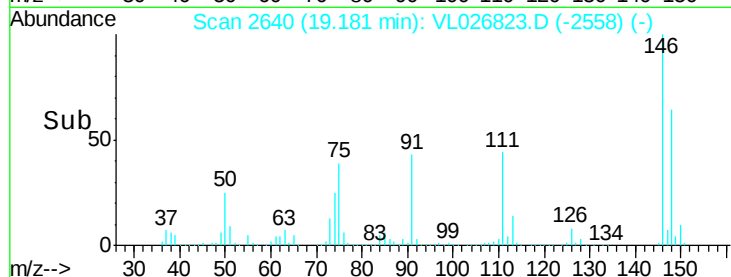
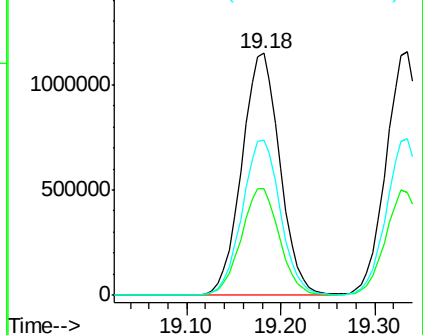
148 64.4 32.2 96.6



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: 4.69 ppbv

RT: 19.33 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

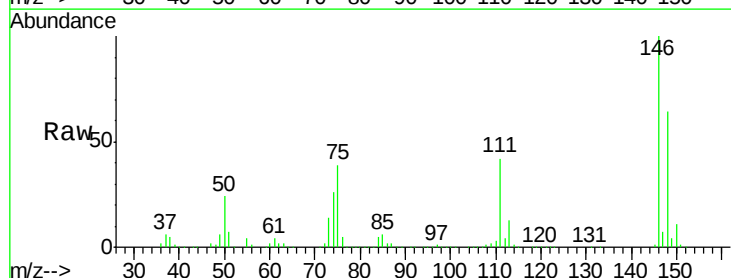
Tgt Ion:146 Resp: 3230899

Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

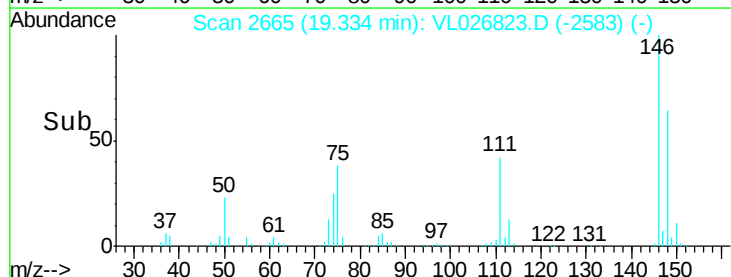
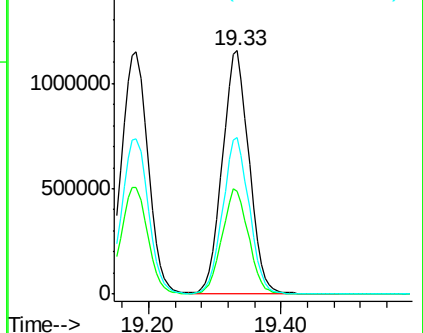
148 64.4 32.2 96.6

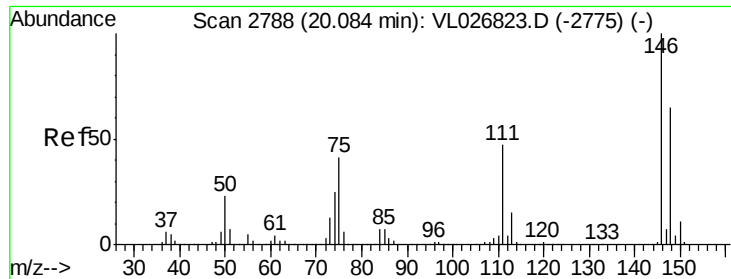


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 4.30 ppbv

RT: 20.08 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

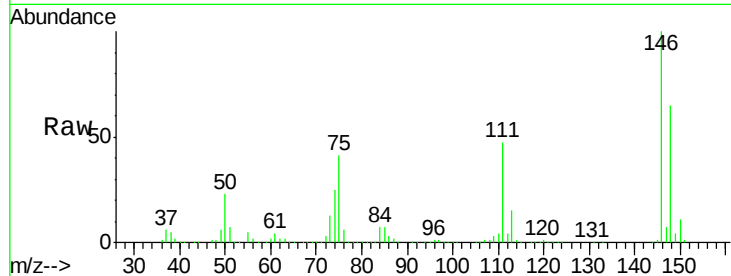
Tgt Ion:146 Resp: 3069751

Ion Ratio Lower Upper

146 100

111 46.2 23.1 69.3

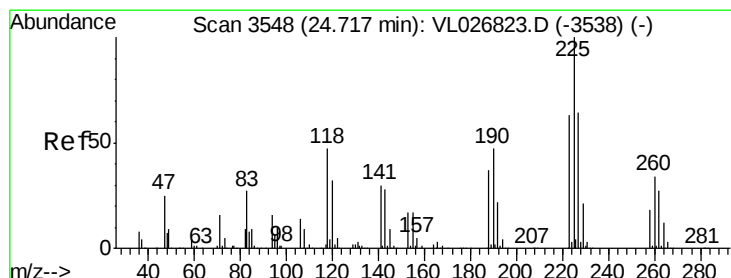
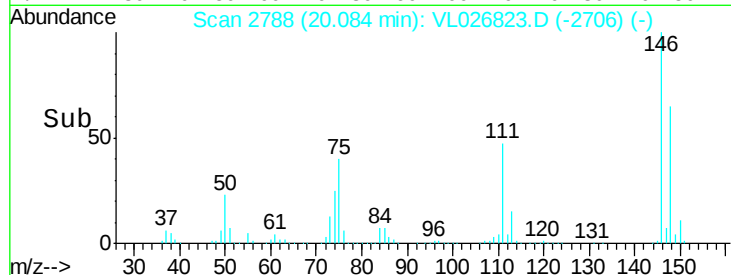
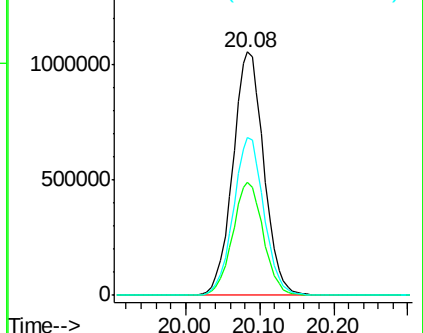
148 64.3 32.1 96.5



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: 3.60 ppbv

RT: 24.72 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

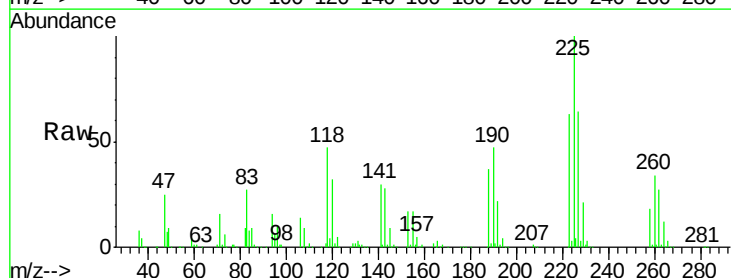
Tgt Ion:225 Resp: 1256954

Ion Ratio Lower Upper

225 100

223 62.7 50.2 75.2

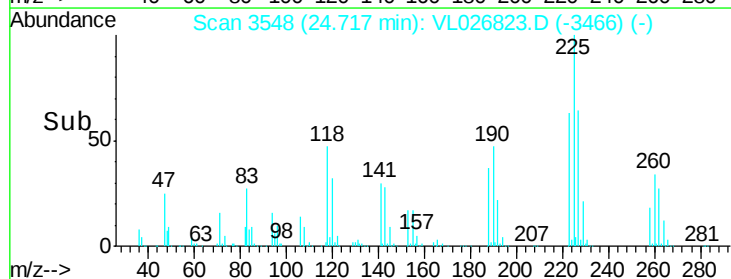
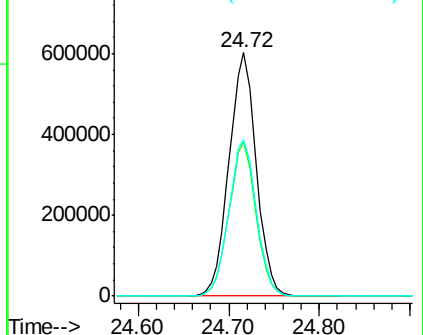
227 65.1 52.1 78.1

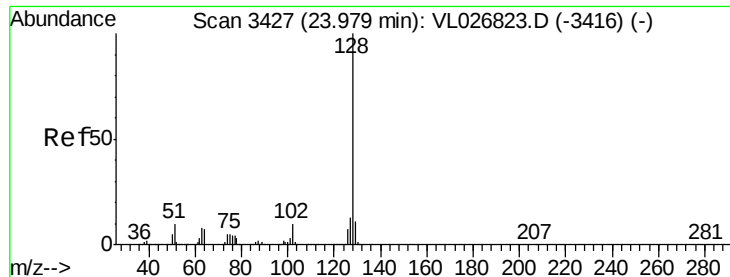


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 2.74 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

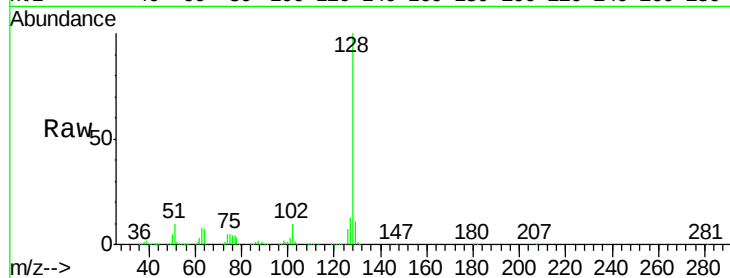
Tgt Ion:128 Resp: 2479163

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

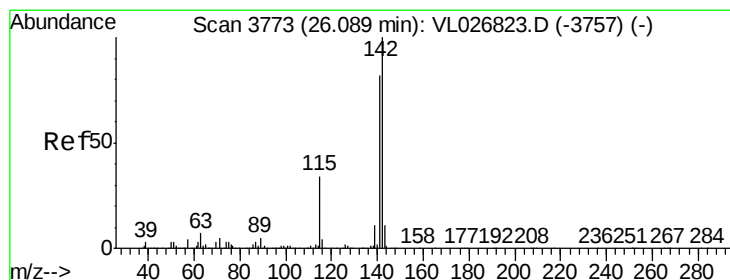
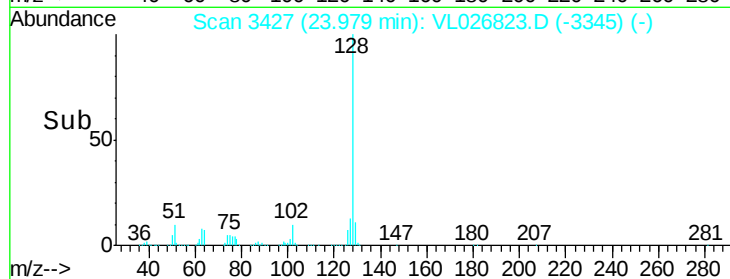
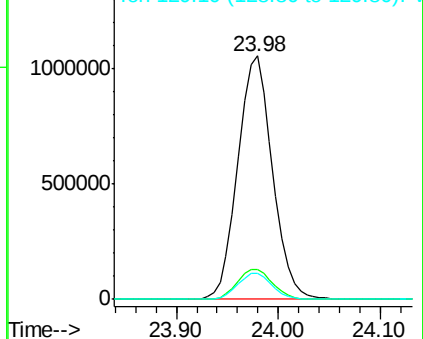
129 10.9 8.7 13.1



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: 6.05 ppbv

RT: 26.09 min Scan# 3773

Delta R.T. 0.00 min

Lab File: VL026823.D

Acq: 9 Feb 2016 16:54

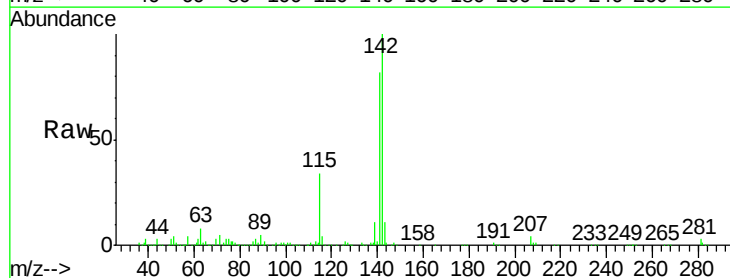
Tgt Ion:142 Resp: 945965

Ion Ratio Lower Upper

142 100

141 84.0 67.2 100.8

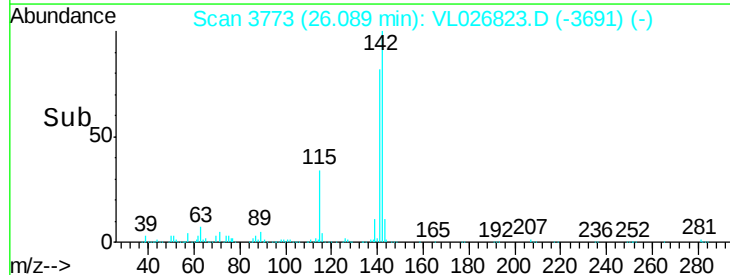
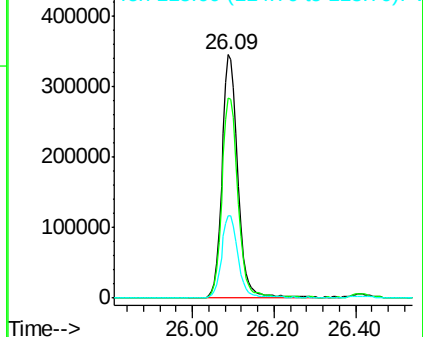
115 34.4 27.5 41.3

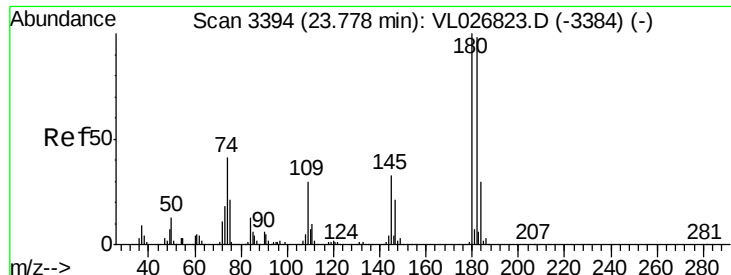


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

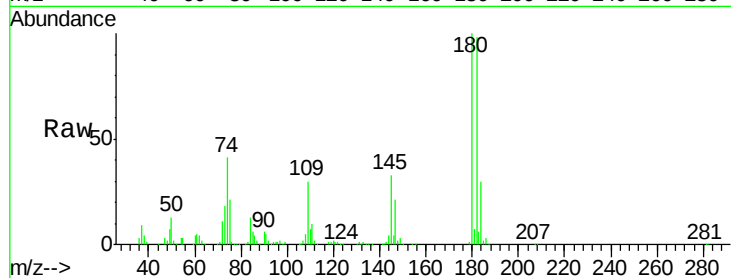




#81
 1,2,4-Trichlorobenzene
 Concen: 3.35 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026823.D
 Acq: 9 Feb 2016 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1330697
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 184 30.6 24.5 36.7



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

