

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026833.D
 Acq On : 10 Feb 2016 00:06
 Operator : SY/AP
 Sample : VL0209ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

Quant Time: Feb 10 03:45:26 2016

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 03:14:04 2016

QLast Update : Wed Feb 10 03:14:04 2016

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1682697	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.38	114	4899822	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	5974382	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.34	95	3278761	7.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.67	85	3657547	10.05	ppbv	100
3) Chlorodifluoromethane	3.60	51	1726906	6.33	ppbv	100
4) Chloromethane	3.78	50	1041253	9.65	ppbv	100
5) Vinyl Chloride	3.92	62	1146552	9.44	ppbv	100
6) Bromomethane	4.18	94	1013273	10.05	ppbv	96
7) Chloroethane	4.28	64	520962	9.77	ppbv	100
8) Dichlorotetrafluoroethane	3.84	85	3157987	9.77	ppbv	96
9) Propene	3.63	41	738399	10.01	ppbv	99
10) Heptane	9.40	43	2634358	10.91	ppbv	98
11) Trichlorofluoromethane	4.73	101	4161975	9.64	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	3028172	9.92	ppbv	97
13) Ethanol	4.36	45	118713	9.36	ppbv	94
14) Bromoethene	4.49	108	1160270	10.38	ppbv	99
15) Acetone	4.64	43	1771869	7.66	ppbv	99
16) 1,3-Butadiene	4.00	39	857884	9.50	ppbv	97
17) tert-Butyl alcohol	5.17	59	1639585	10.74	ppbv	99
18) 1,1-Dichloroethene	5.12	96	1291385	10.09	ppbv	95
19) Isopropyl Alcohol	4.79	45	896419	10.87	ppbv	99
20) Methylene Chloride	5.19	84	1148691	9.59	ppbv	96
21) Allyl Chloride	5.26	41	1356579	9.50	ppbv	98
22) trans-1,2-Dichloroethene	5.81	96	1250365	10.83	ppbv	96
23) Vinyl Acetate	6.03	43	3282075	10.47	ppbv	99
24) 1,1-Dichloroethane	5.95	63	2538408	10.13	ppbv	99
25) Ethyl Acetate	6.71	43	3773923	10.88	ppbv	99
26) Hexane	6.70	57	2078760	10.63	ppbv	96
27) Carbon Disulfide	5.43	76	3419040	10.15	ppbv	98
28) Methyl tert-Butyl Ether	5.99	73	3308621	10.83	ppbv	100
29) Chloroform	6.79	83	3152649	10.36	ppbv	99
30) Cyclohexane	8.33	84	1858466	11.68	ppbv	95
31) cis-1,2-Dichloroethene	6.56	61	1802359	11.04	ppbv	95
32) 1,1,1-Trichloroethane	7.64	97	3201899	10.46	ppbv	99
34) 2-Butanone	6.24	43	2254302	9.39	ppbv	97
35) Carbon Tetrachloride	8.21	117	3512783	9.87	ppbv	100
36) Benzene	8.07	78	4082061	10.50	ppbv	99
37) 1,2-Dichloroethane	7.42	62	2286860	9.39	ppbv	97
38) Trichloroethene	9.12	130	2012298	11.23	ppbv	97
39) 1,2-Dichloropropane	8.87	63	1460758	9.94	ppbv	97
40) 1,4-Dioxane	9.16	88	379653	14.56	ppbv	68
41) Tetrahydrofuran	7.17	42	1252463	10.59	ppbv	96
42) Bromodichloromethane	9.07	83	3350410	10.22	ppbv	99
43) Methyl Methacrylate	9.31	69	1557235	11.42	ppbv	93

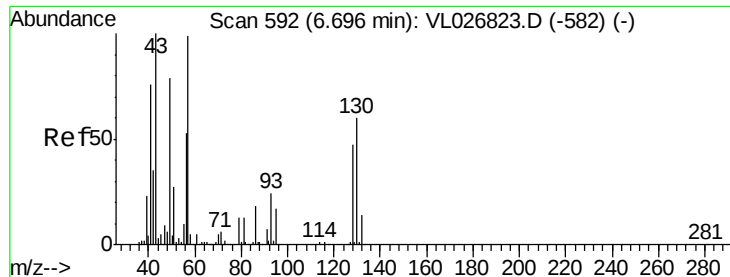
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026833.D
 Acq On : 10 Feb 2016 00:06
 Operator : SY/AP
 Sample : VL0209ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

Quant Time: Feb 10 03:45:26 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	6857849	10.32	ppbv	99
45) t-1,3-Dichloropropene	10.70	75	2166993	11.82	ppbv	98
46) cis-1,3-Dichloropropene	10.07	75	2622757	11.75	ppbv	95
47) 1,1,2-Trichloroethane	10.93	97	1729359	10.63	ppbv	100
48) Dibromochloromethane	11.85	129	2990990	11.25	ppbv	99
49) Bromoform	14.87	173	2385092	11.91	ppbv	100
50) 4-Methyl-2-Pentanone	10.14	43	3002237	10.60	ppbv	97
51) 2-Hexanone	11.66	43	2716712	11.44	ppbv	96
52) Tetrachloroethene	12.84	164	1812223	11.84	ppbv	98
53) Toluene	11.29	91	5070905	11.59	ppbv	99
54) 1,2-Dibromoethane	12.19	107	2642338	10.92	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.84	131	2268573	8.61	ppbv	99
57) Chlorobenzene	13.87	112	4244366	8.58	ppbv	97
58) Ethyl Benzene	14.46	91	6635075	9.22	ppbv	99
59) m/p-Xylene	14.77	91	5837503	9.50	ppbv #	35
60) o-Xylene	15.54	91	5911584	8.79	ppbv	98
61) Styrene	15.36	104	2314163	10.17	ppbv	98
62) Isopropylbenzene	16.60	105	7178210	8.89	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.54	83	3878056	8.45	ppbv	100
64) n-propylbenzene	17.57	120	1901310	9.16	ppbv	98
65) tert-Butylbenzene	18.87	119	6766932	9.10	ppbv	97
66) Benzyl Chloride	19.16	91	2234696	9.26	ppbv	98
67) sec-Butylbenzene	19.47	105	8550897	8.83	ppbv	99
69) p-Isopropyltoluene	19.85	119	7207227	9.19	ppbv	98
70) n-Butylbenzene	20.81	91	6642027	8.88	ppbv	99
71) 2-Chlorotoluene	17.48	91	5124283	9.30	ppbv	98
72) 4-Ethyltoluene	17.88	105	5800596	9.37	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	5441402	9.02	ppbv	98
74) 1,2,4-Trimethylbenzene	18.89	105	6007251	8.76	ppbv	95
75) 1,3-Dichlorobenzene	19.18	146	3627979	8.73	ppbv	99
76) 1,4-Dichlorobenzene	19.33	146	3620097	8.91	ppbv	98
77) 1,2-Dichlorobenzene	20.08	146	3416153	8.65	ppbv	98
78) Hexachloro-1,3-Butadiene	24.72	225	1483504	7.90	ppbv	99
79) Naphthalene	23.97	128	2771578	8.41	ppbv	99
80) Naphthalene,2-methyl-	26.09	142	950554	7.10	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	1479008	8.30	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

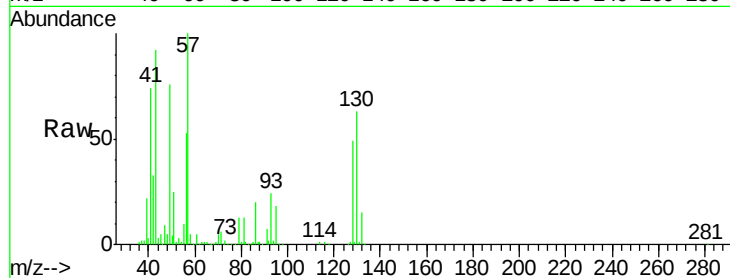
Tgt Ion: 49 Resp: 1682697

Ion Ratio Lower Upper

49 100

128 65.0 29.7 89.1

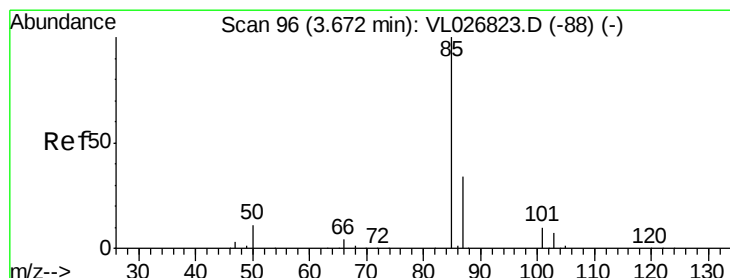
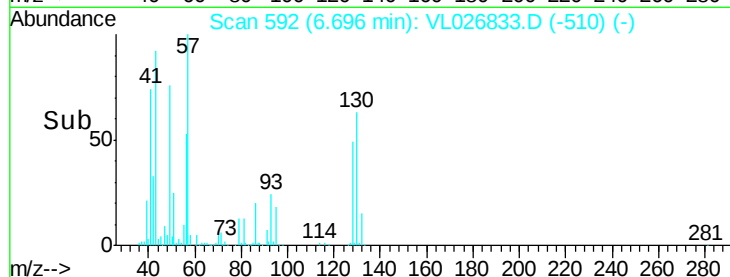
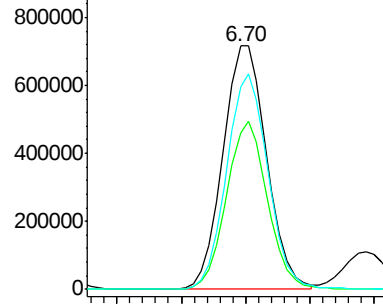
130 84.5 38.3 114.8



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: 10.05 ppbv

RT: 3.67 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL026833.D

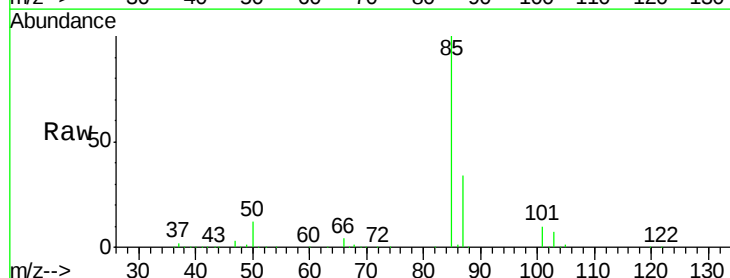
Acq: 10 Feb 2016 00:06

Tgt Ion: 85 Resp: 3657547

Ion Ratio Lower Upper

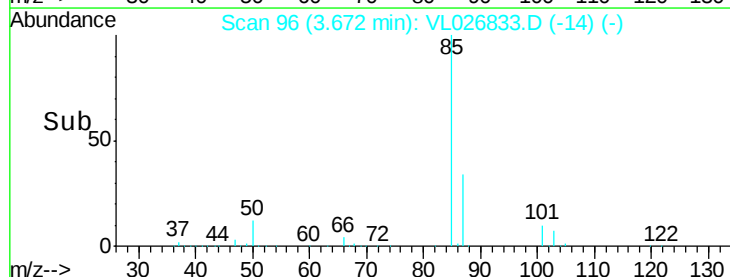
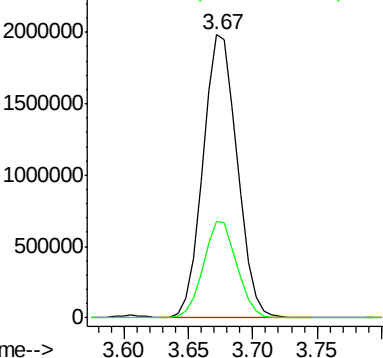
85 100

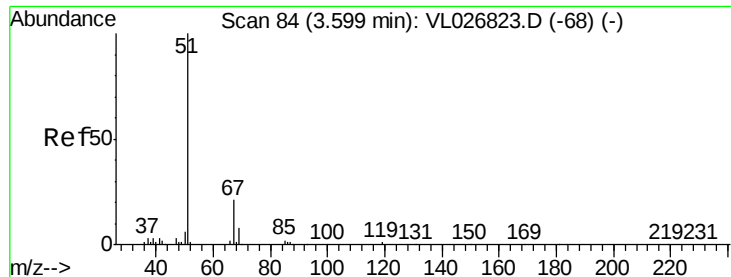
87 34.1 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 6.33 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

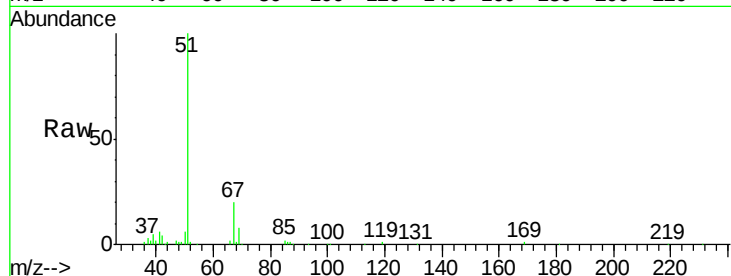
VL0209ABS01

Tgt Ion: 51 Resp: 1726906

Ion Ratio Lower Upper

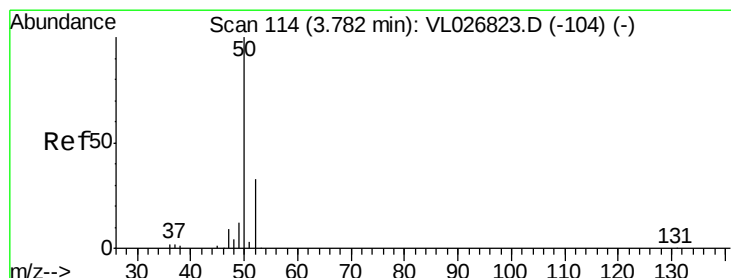
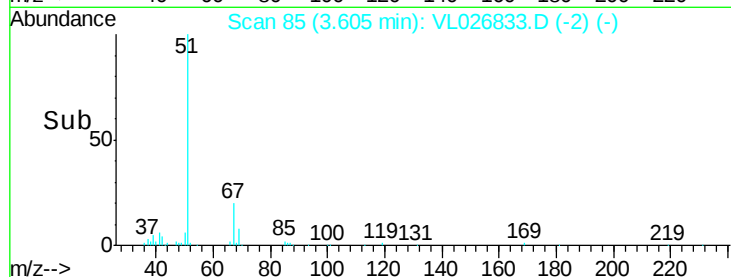
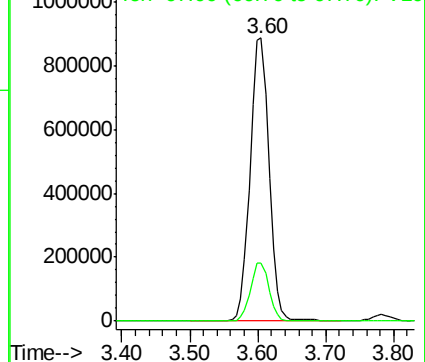
51 100

67 20.5 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.65 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026833.D

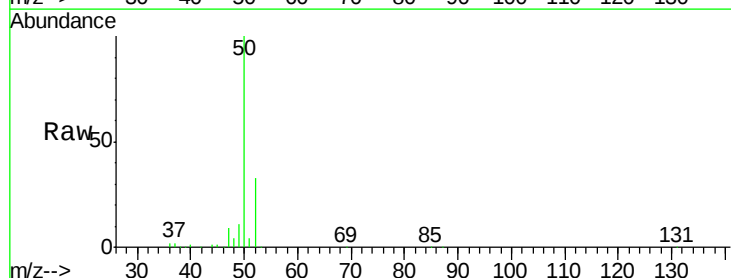
Acq: 10 Feb 2016 00:06

Tgt Ion: 50 Resp: 1041253

Ion Ratio Lower Upper

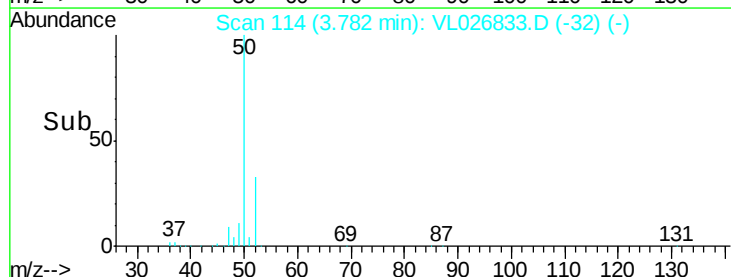
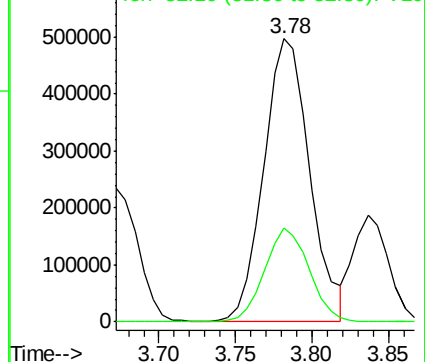
50 100

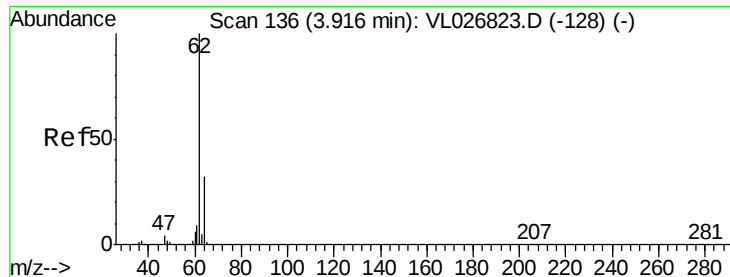
52 33.1 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.44 ppbv

RT: 3.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

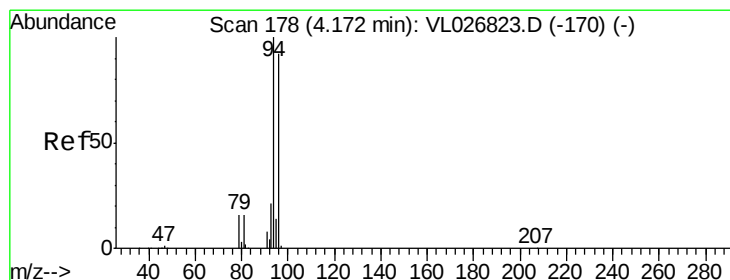
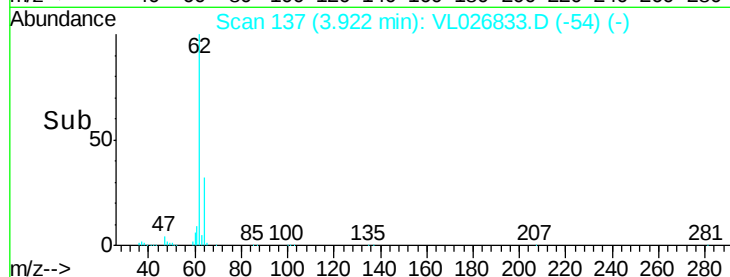
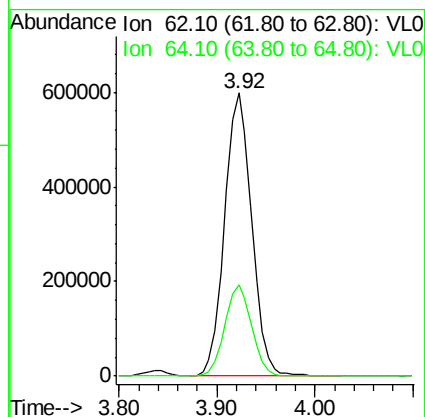
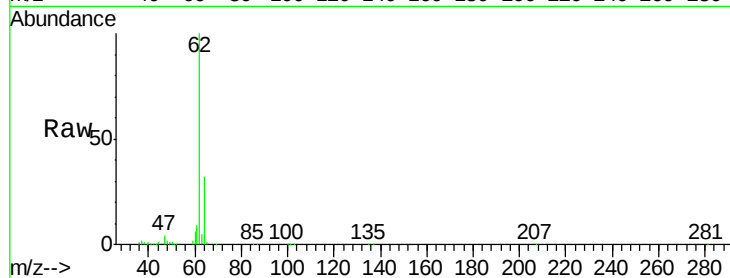
VL0209ABS01

Tgt Ion: 62 Resp: 1146552

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



#6

Bromomethane

Concen: 10.05 ppbv

RT: 4.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL026833.D

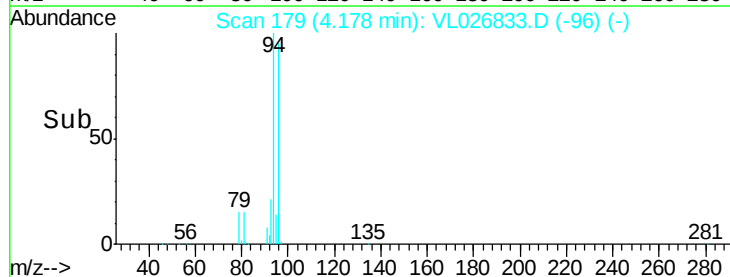
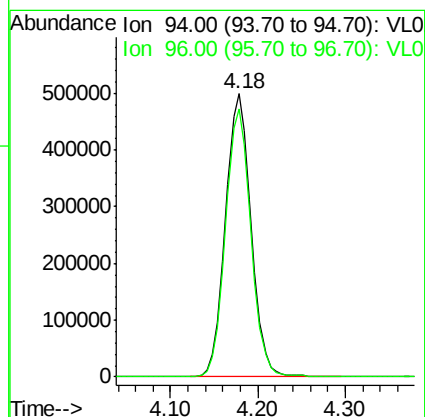
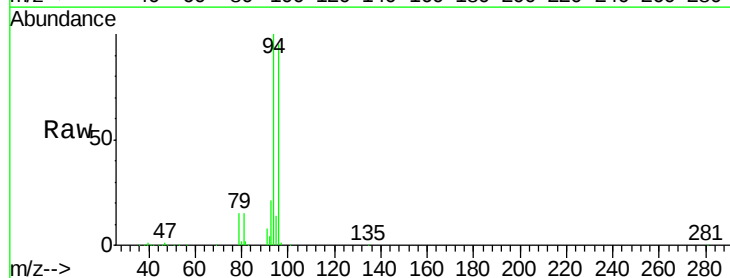
Acq: 10 Feb 2016 00:06

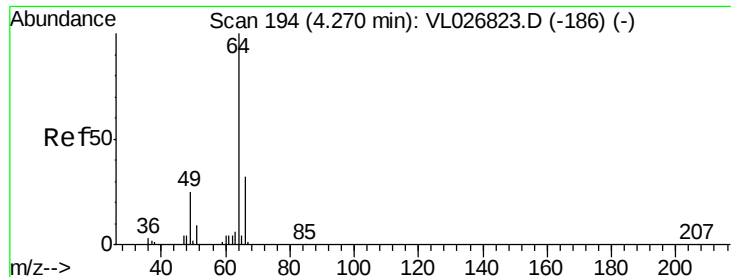
Tgt Ion: 94 Resp: 1013273

Ion Ratio Lower Upper

94 100

96 94.8 73.2 109.8





#7

Chloroethane

Concen: 9.77 ppbv

RT: 4.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

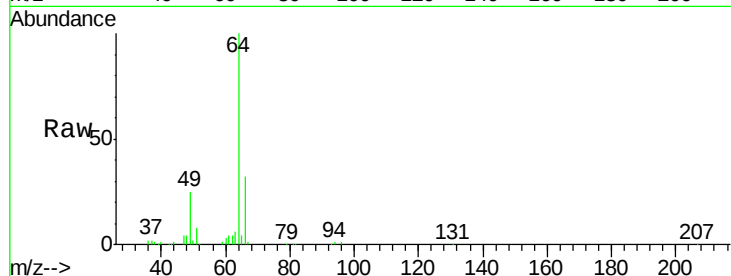
VL0209ABS01

Tgt Ion: 64 Resp: 520962

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.28

300000

250000

200000

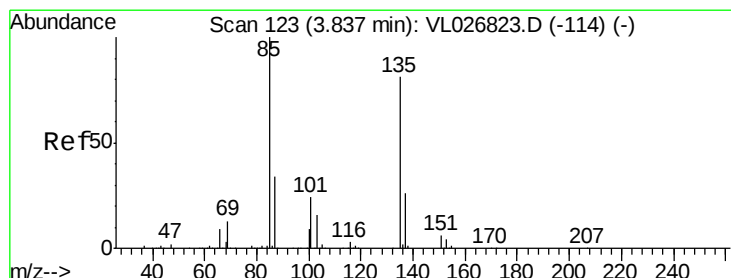
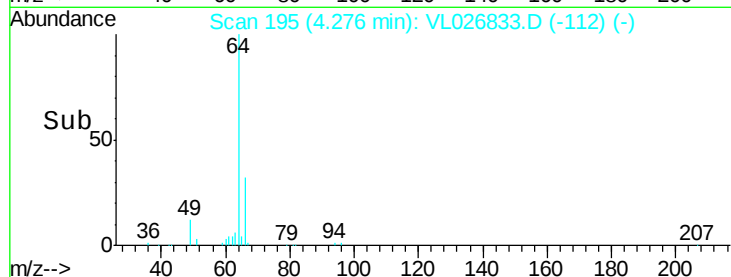
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.77 ppbv

RT: 3.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL026833.D

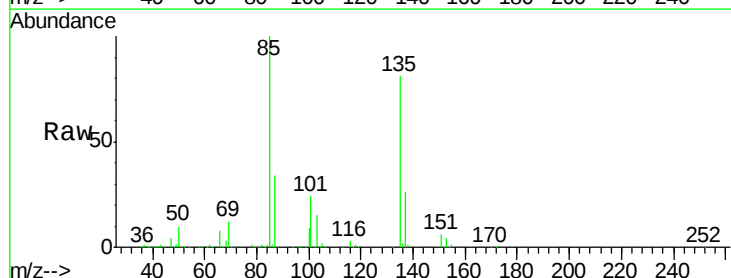
Acq: 10 Feb 2016 00:06

Tgt Ion: 85 Resp: 3157987

Ion Ratio Lower Upper

85 100

135 82.8 63.2 94.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.84

2000000

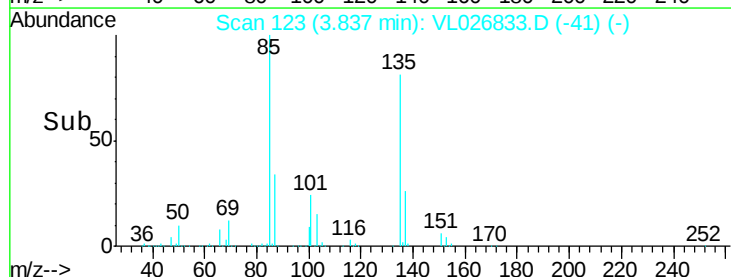
1500000

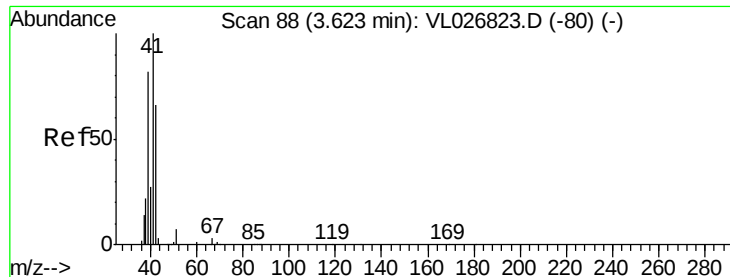
1000000

500000

0

Time-->





#9

Propene

Concen: 10.01 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

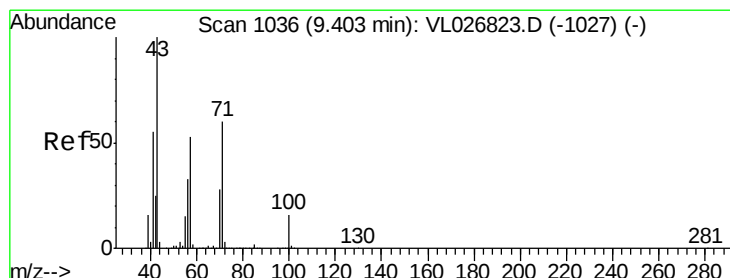
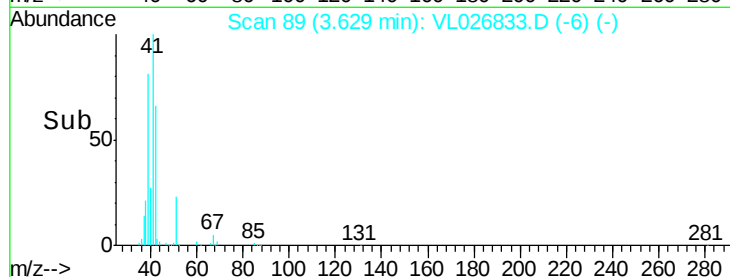
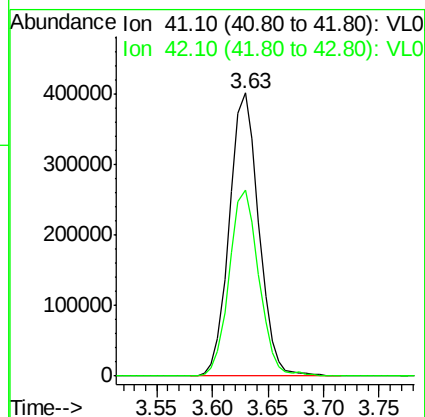
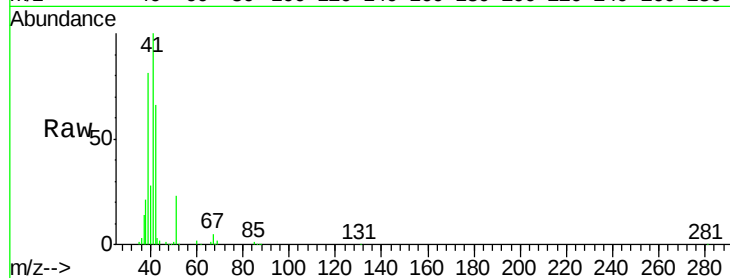
VL0209ABS01

Tgt Ion: 41 Resp: 738399

Ion Ratio Lower Upper

41 100

42 66.8 52.8 79.2



#10

Heptane

Concen: 10.91 ppbv

RT: 9.40 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VL026833.D

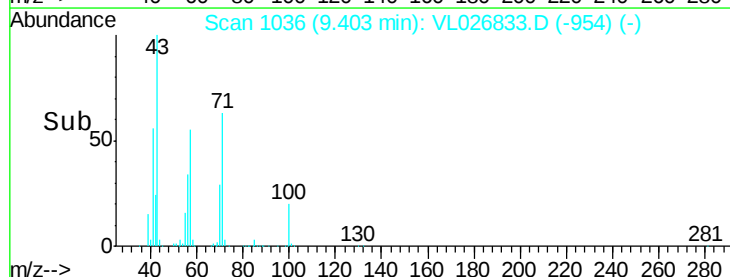
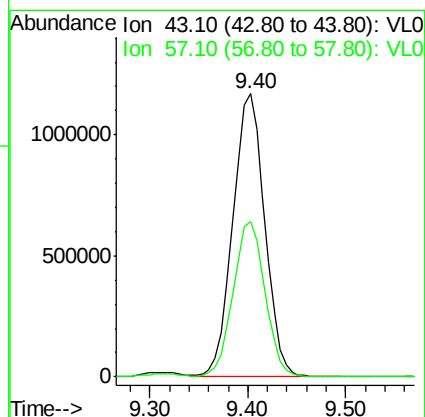
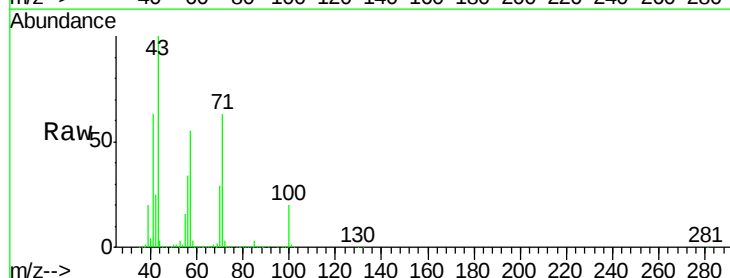
Acq: 10 Feb 2016 00:06

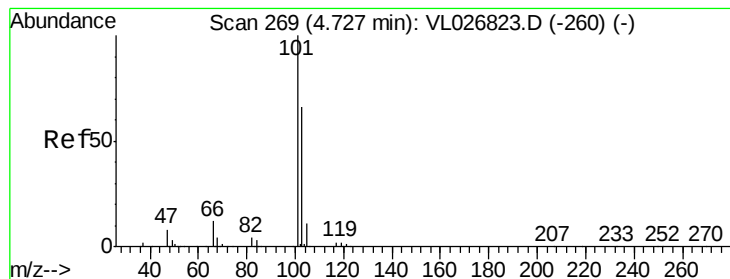
Tgt Ion: 43 Resp: 2634358

Ion Ratio Lower Upper

43 100

57 56.8 44.0 66.0





#11

Trichlorofluoromethane

Concen: 9.64 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

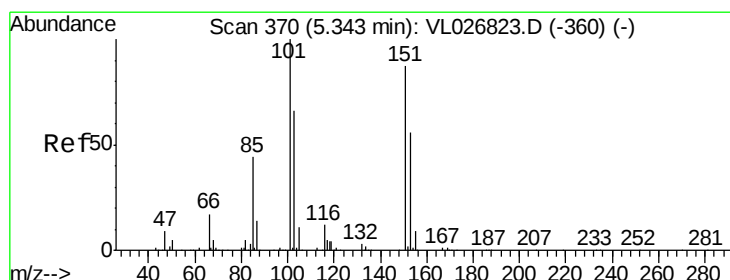
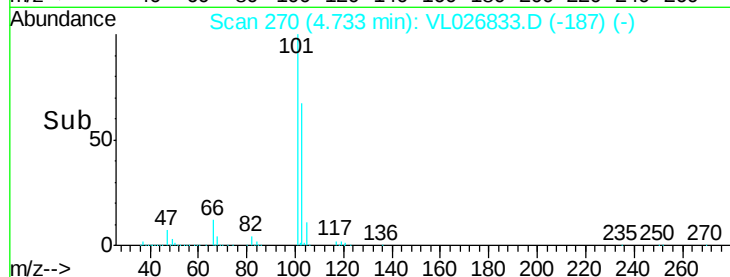
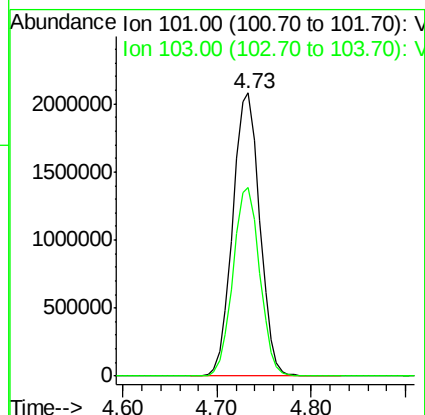
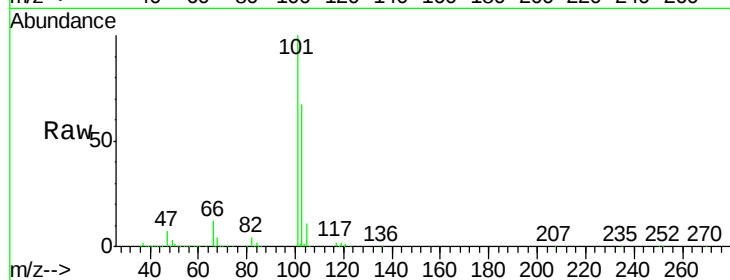
VL0209ABS01

Tgt Ion:101 Resp: 4161975

Ion Ratio Lower Upper

101 100

103 66.6 52.7 79.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.92 ppbv

RT: 5.34 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL026833.D

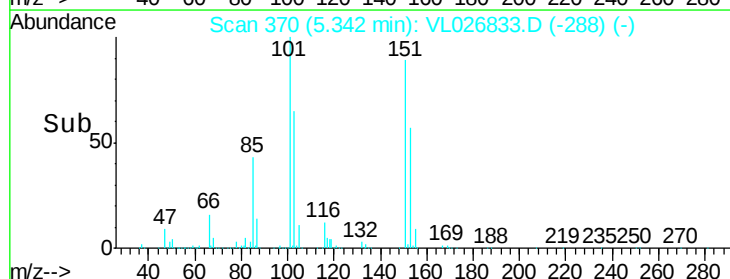
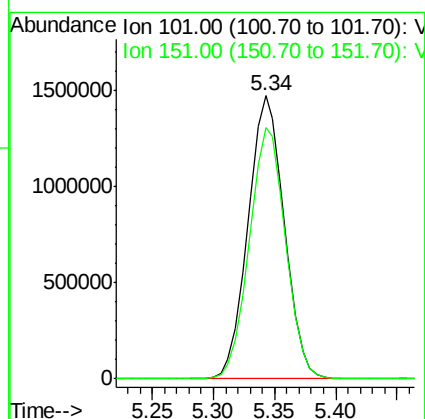
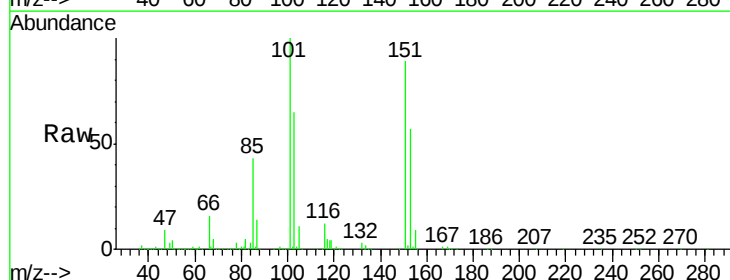
Acq: 10 Feb 2016 00:06

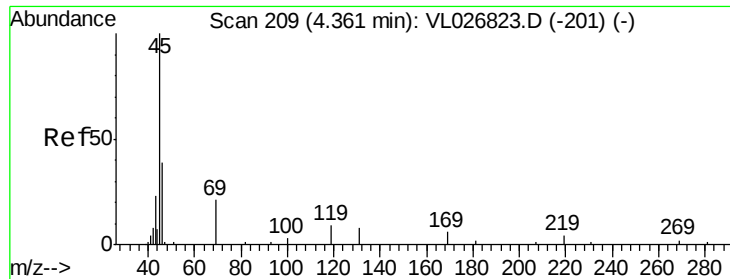
Tgt Ion:101 Resp: 3028172

Ion Ratio Lower Upper

101 100

151 89.4 69.4 104.0





#13

Ethanol

Concen: 9.36 ppbv

RT: 4.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

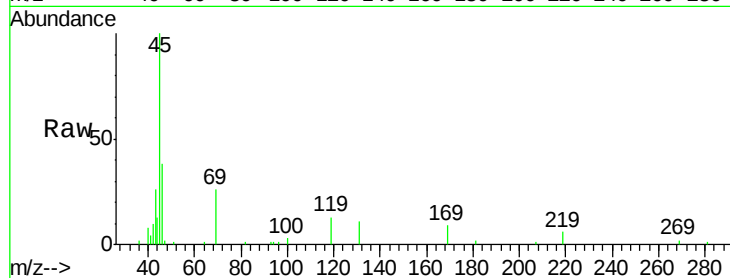
VL0209ABS01

Tgt Ion: 45 Resp: 118713

Ion Ratio Lower Upper

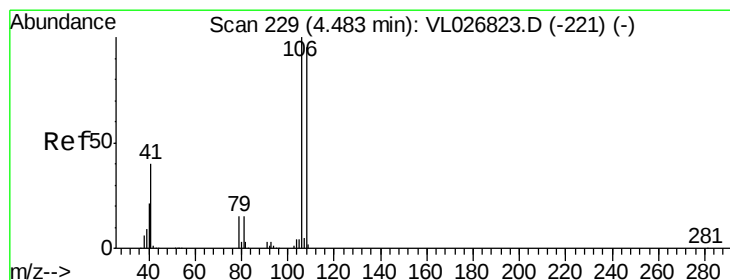
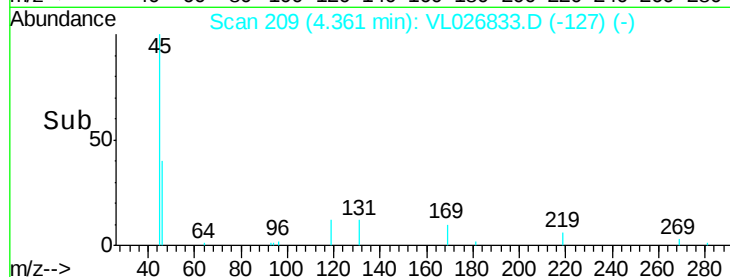
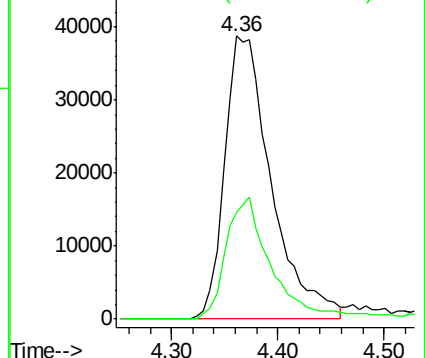
45 100

46 43.2 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.38 ppbv

RT: 4.49 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

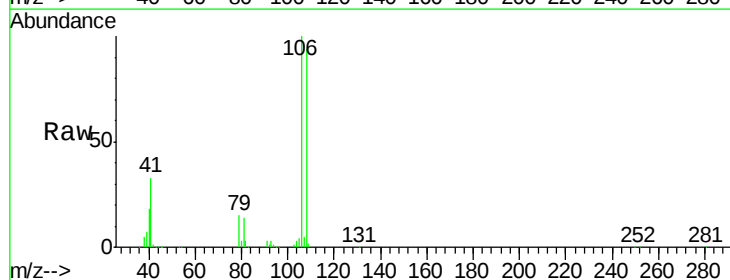
Tgt Ion: 108 Resp: 1160270

Ion Ratio Lower Upper

108 100

106 106.0 84.6 126.8

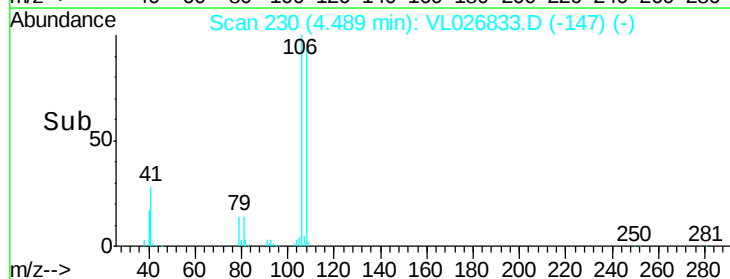
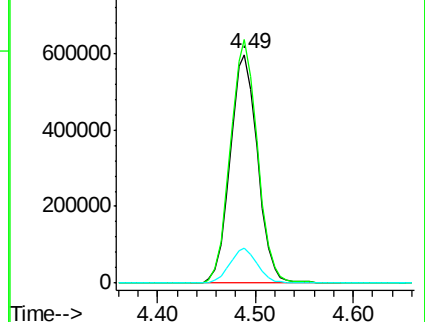
79 15.7 13.4 20.0

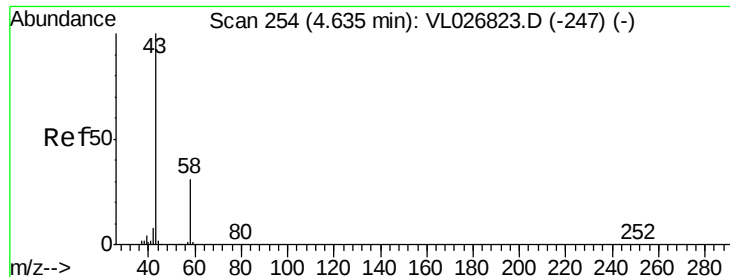


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.66 ppbv

RT: 4.64 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

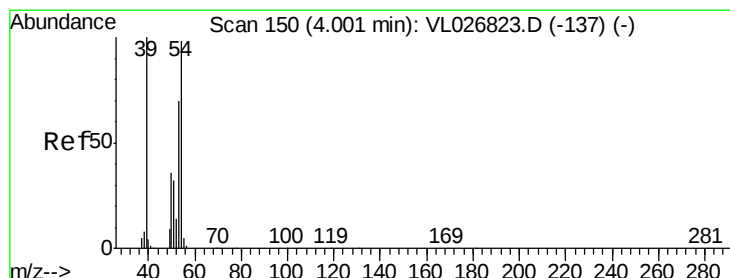
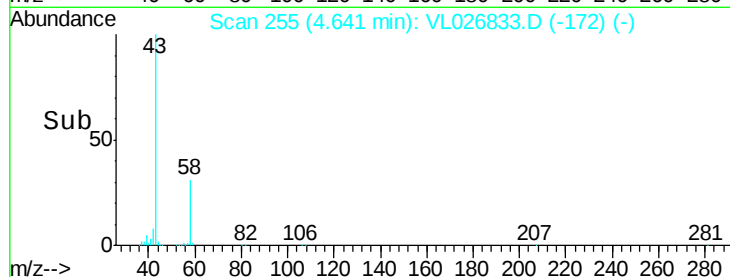
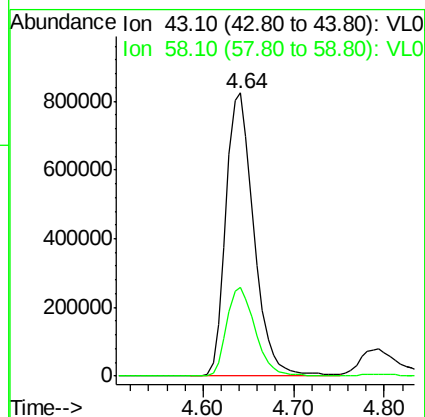
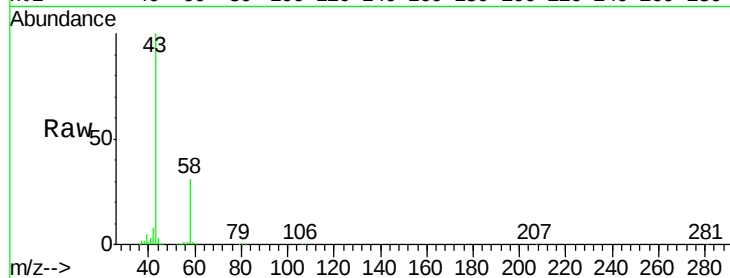
VL0209ABS01

Tgt Ion: 43 Resp: 1771869

Ion Ratio Lower Upper

43 100

58 32.1 25.2 37.8



#16

1,3-Butadiene

Concen: 9.50 ppbv

RT: 4.00 min Scan# 150

Delta R.T. -0.00 min

Lab File: VL026833.D

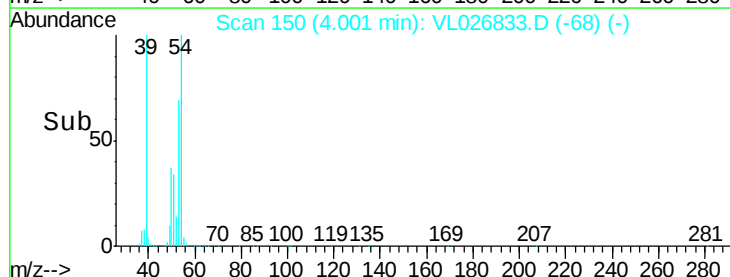
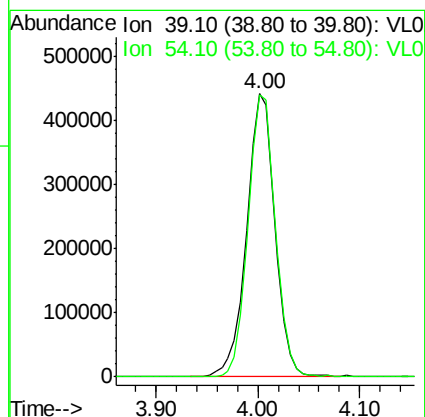
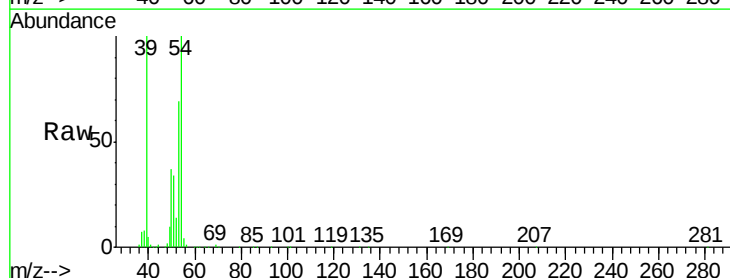
Acq: 10 Feb 2016 00:06

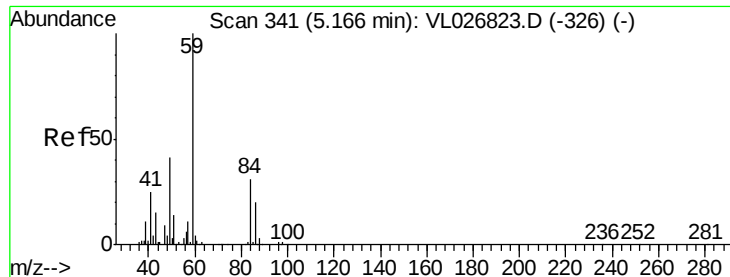
Tgt Ion: 39 Resp: 857884

Ion Ratio Lower Upper

39 100

54 96.3 74.7 112.1



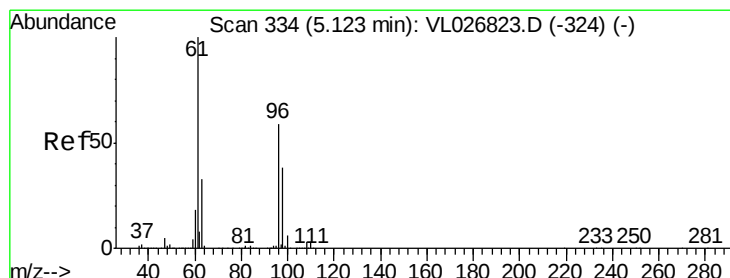
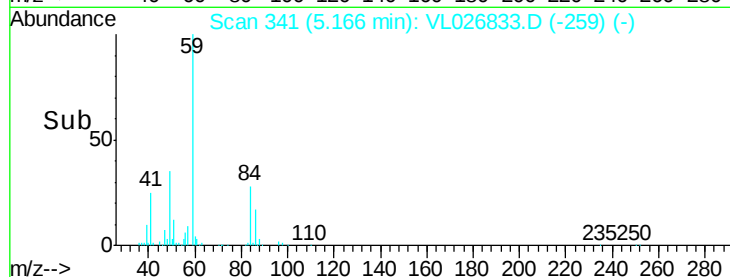
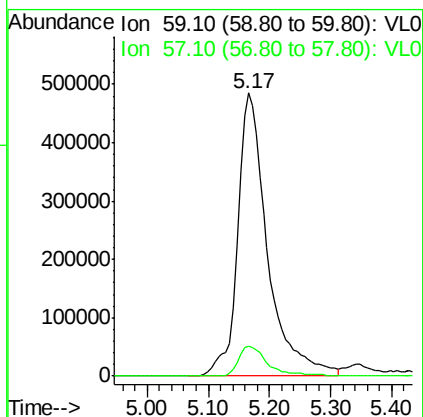
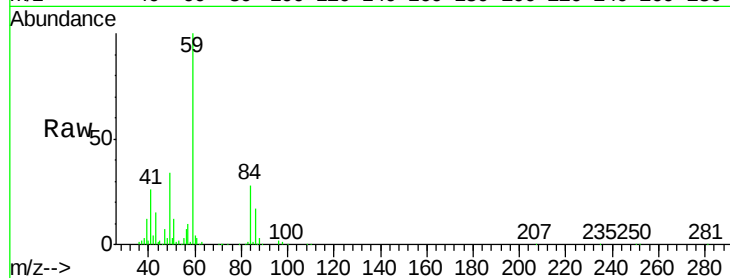


#17

tert-Butyl alcohol
Concen: 10.74 ppbv
RT: 5.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

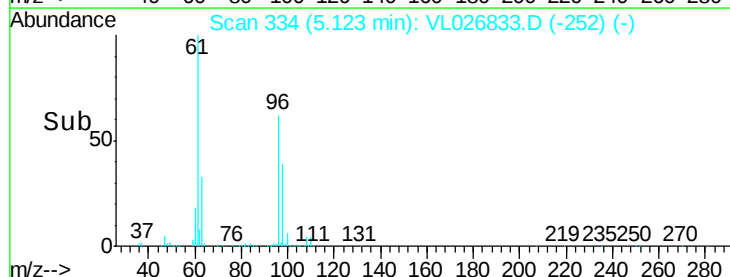
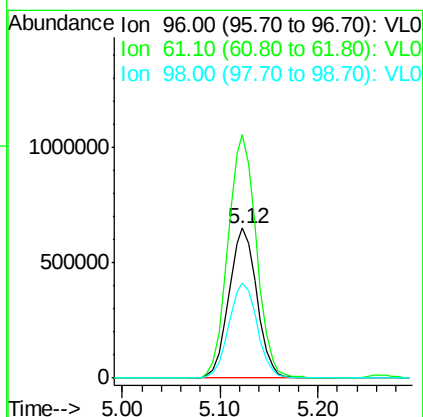
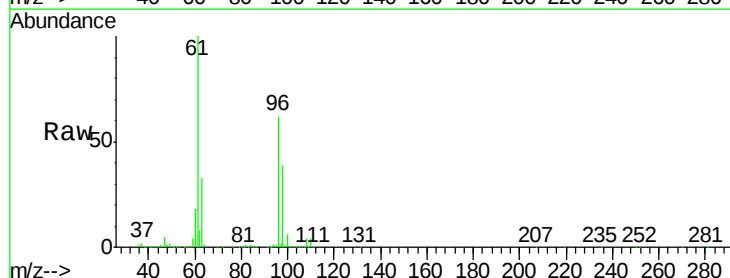
Tgt Ion: 59 Resp: 1639585
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

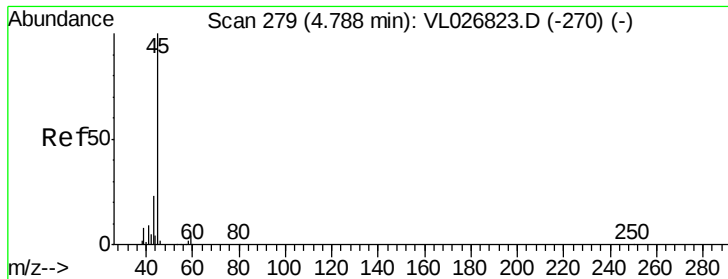


#18

1,1-Dichloroethene
Concen: 10.09 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion: 96 Resp: 1291385
Ion Ratio Lower Upper
96 100
61 162.4 136.7 205.1
98 63.8 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.87 ppbv

RT: 4.79 min Scan# 279

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

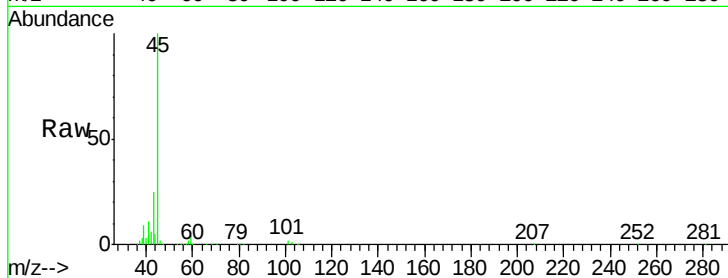
VL0209ABS01

Tgt Ion: 45 Resp: 896419

Ion Ratio Lower Upper

45 100

58 3.0 2.2 3.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

200000

100000

0

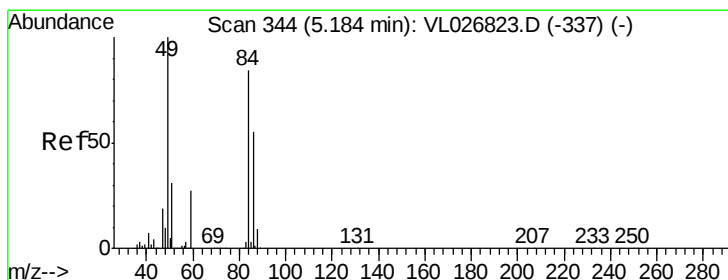
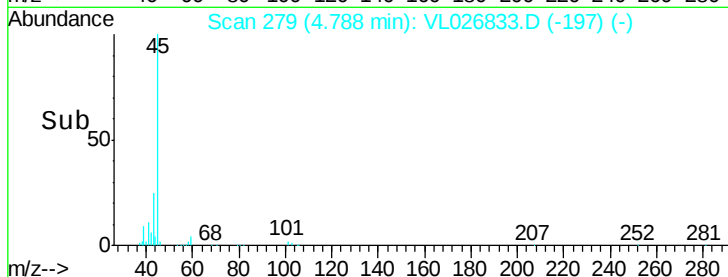
4.79

4.70

4.80

4.90

Time-->



#20

Methylene Chloride

Concen: 9.59 ppbv

RT: 5.19 min Scan# 345

Delta R.T. 0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Tgt Ion: 84 Resp: 1148691

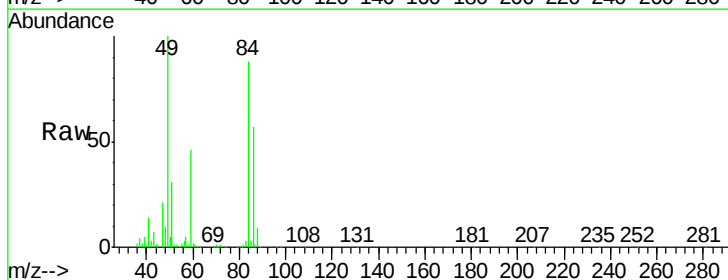
Ion Ratio Lower Upper

84 100

49 112.2 94.9 142.3

51 34.7 29.5 44.3

86 64.5 51.9 77.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

400000

200000

0

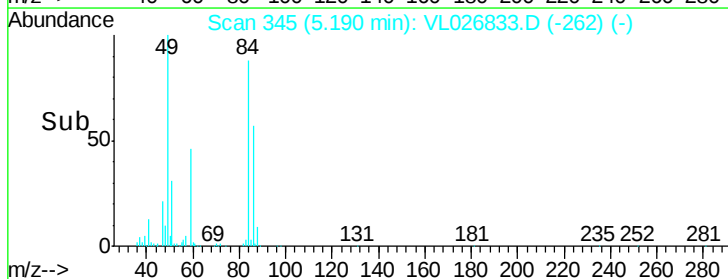
5.19

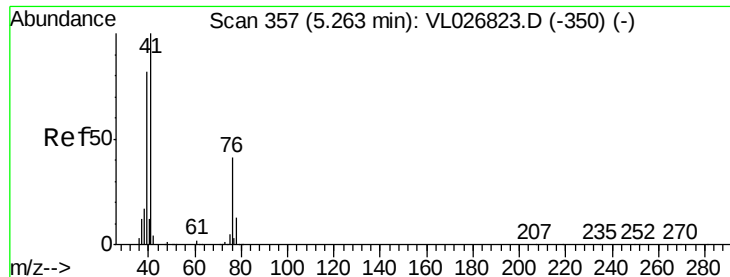
5.10

5.20

5.30

Time-->

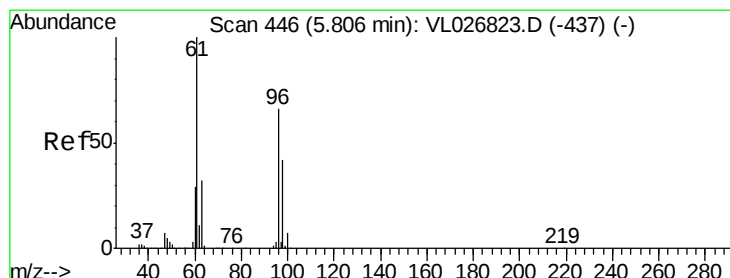
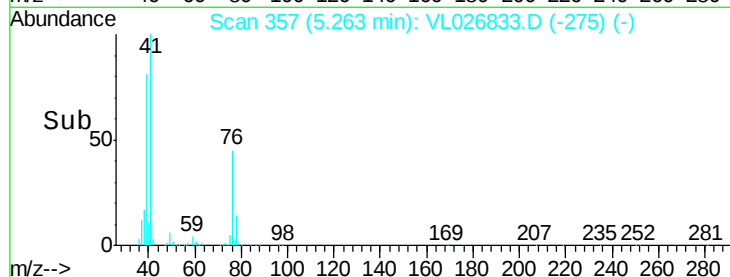
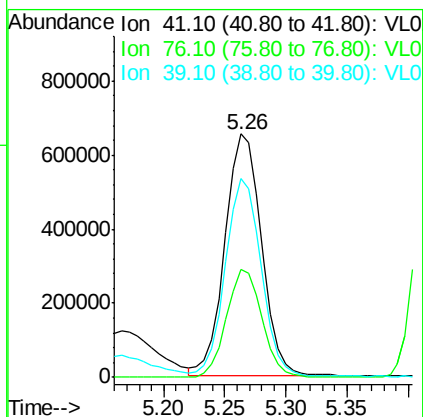
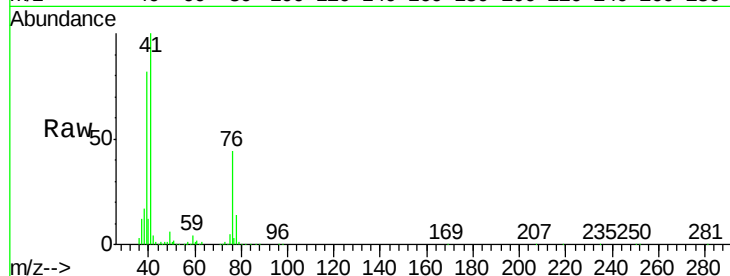




#21
 Allyl Chloride
 Concen: 9.50 ppbv
 RT: 5.26 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

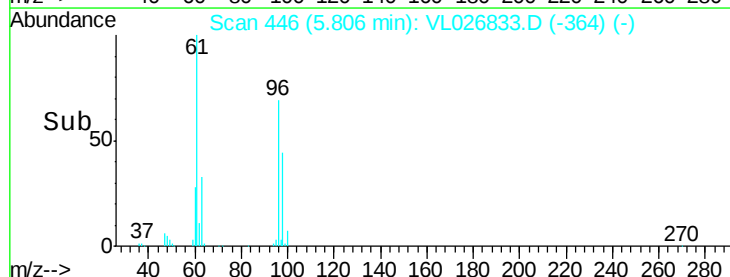
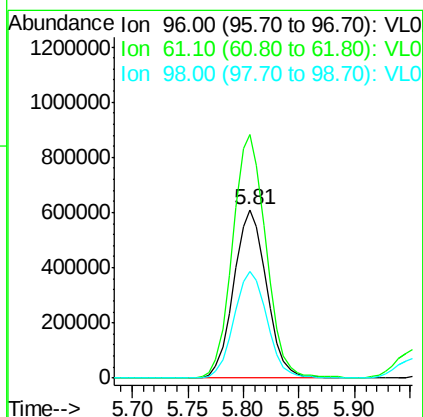
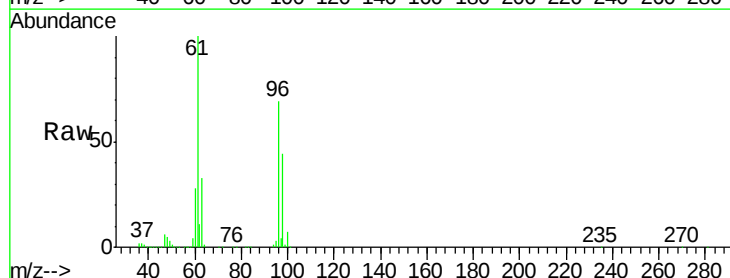
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

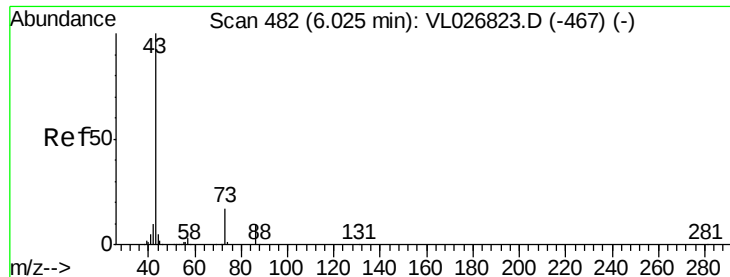
Tgt Ion: 41 Resp: 1356579
 Ion Ratio Lower Upper
 41 100
 76 43.1 32.0 48.0
 39 80.4 64.6 96.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.83 ppbv
 RT: 5.81 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 96 Resp: 1250365
 Ion Ratio Lower Upper
 96 100
 61 144.9 121.6 182.4
 98 63.7 50.6 76.0





#23

Vinyl Acetate

Concen: 10.47 ppbv

RT: 6.03 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

Tgt Ion: 43 Resp: 3282075

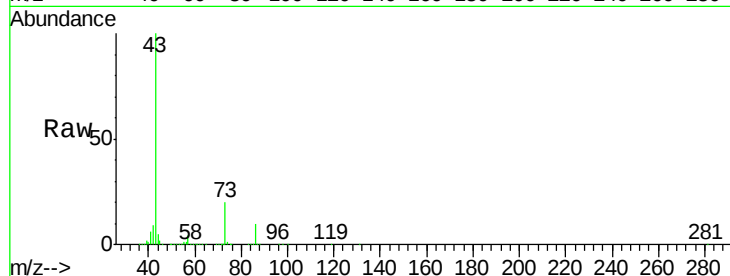
Ion Ratio Lower Upper

43 100

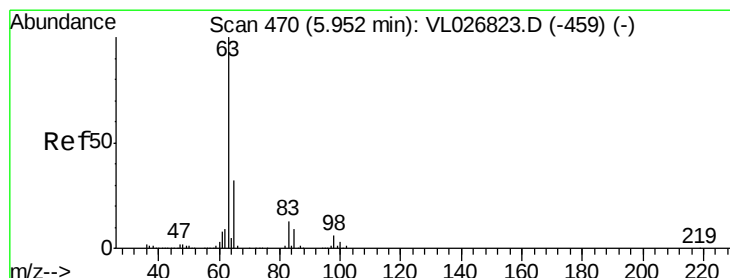
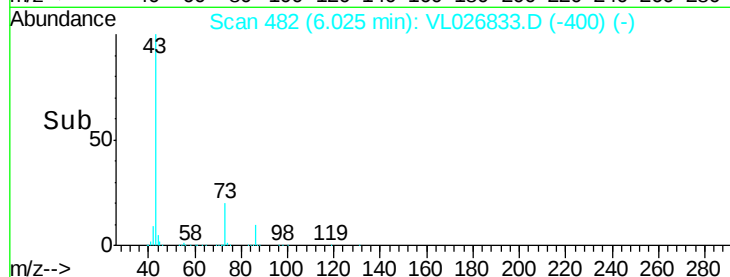
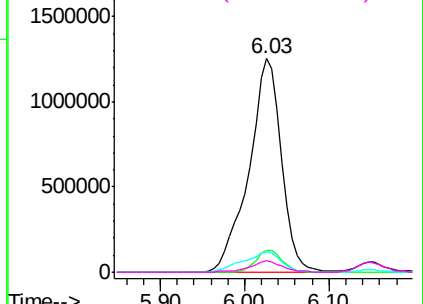
86 10.3 7.7 11.5

42 9.4 7.8 11.8

44 5.1 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: 10.13 ppbv

RT: 5.95 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

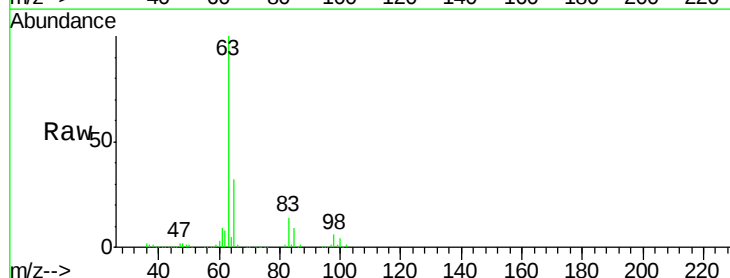
Tgt Ion: 63 Resp: 2538408

Ion Ratio Lower Upper

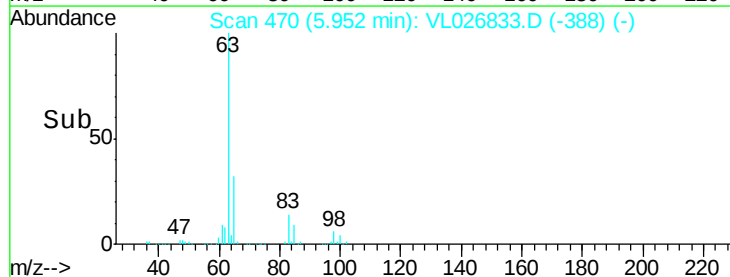
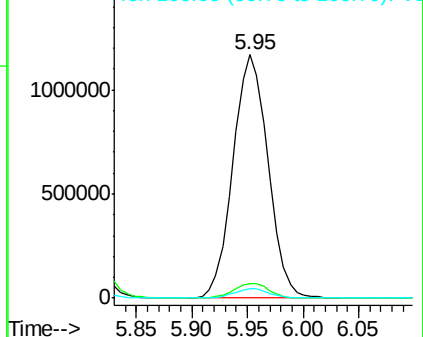
63 100

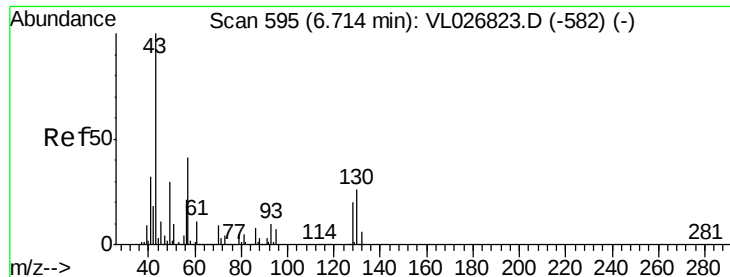
98 6.0 2.9 8.7

100 3.8 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



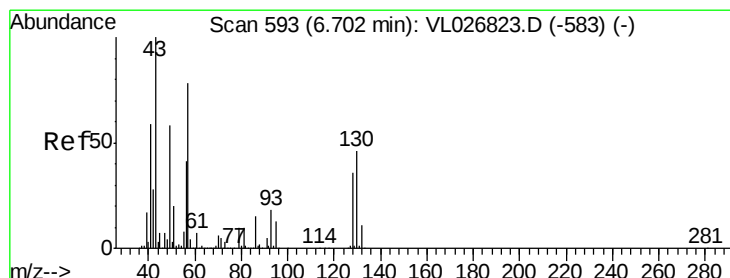
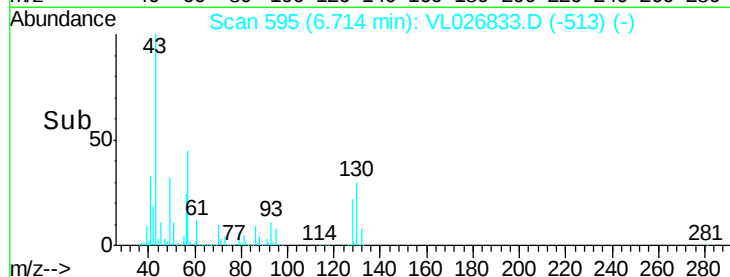
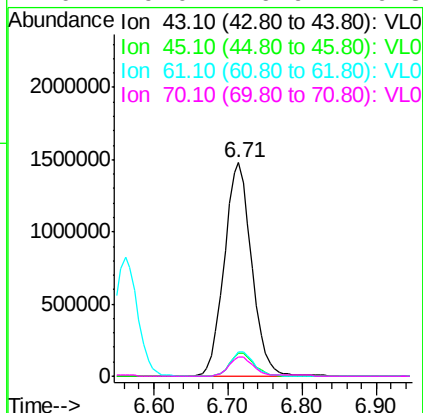
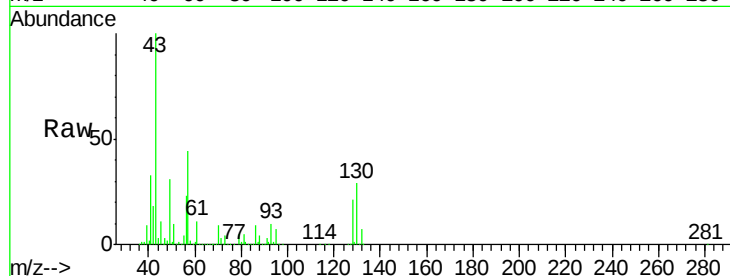


#25
Ethyl Acetate
Concen: 10.88 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

Tgt Ion: 43 Resp: 3773923

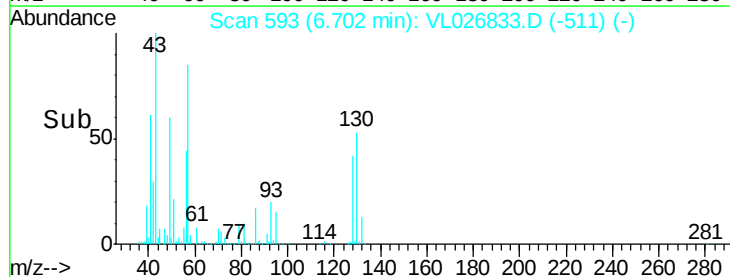
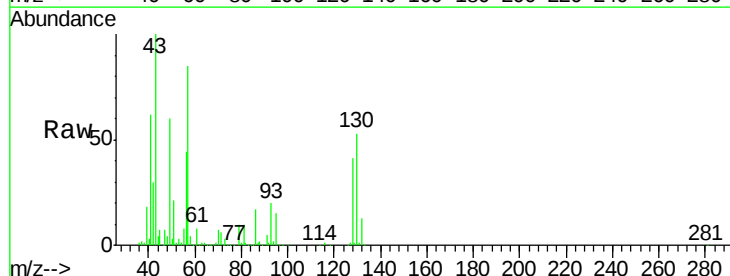
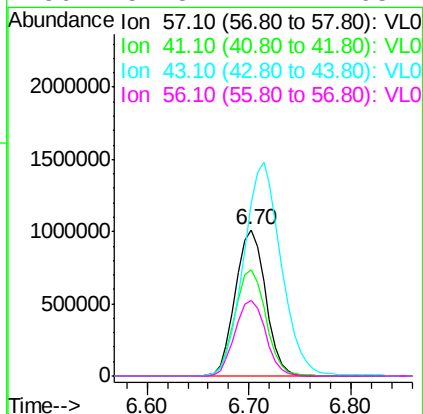
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	10.1	7.9	11.9
70	9.0	6.9	10.3

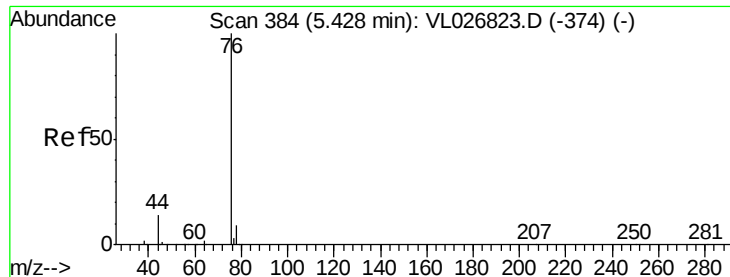


#26
Hexane
Concen: 10.63 ppbv
RT: 6.70 min Scan# 593
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion: 57 Resp: 2078760

Ion	Ratio	Lower	Upper
57	100		
41	75.6	63.3	94.9
43	183.1	151.4	227.2
56	52.8	42.2	63.2





#27

Carbon Disulfide

Concen: 10.15 ppbv

RT: 5.43 min Scan# 384

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

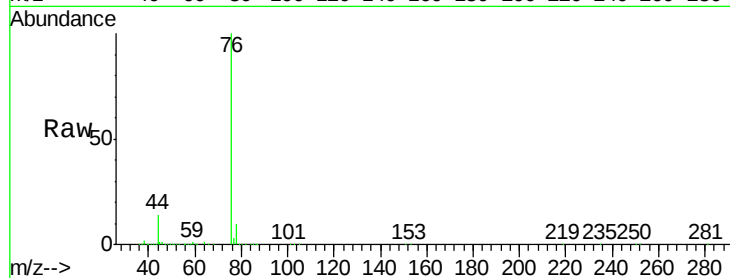
Tgt Ion: 76 Resp: 3419040

Ion Ratio Lower Upper

76 100

44 13.9 12.1 18.1

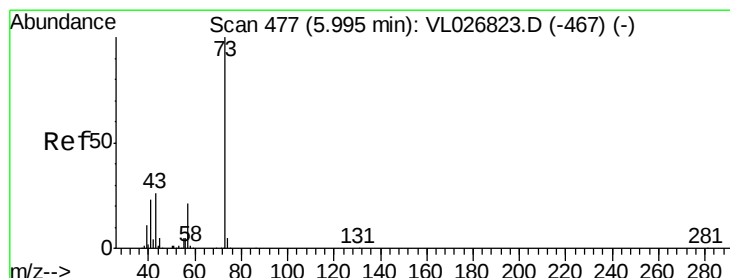
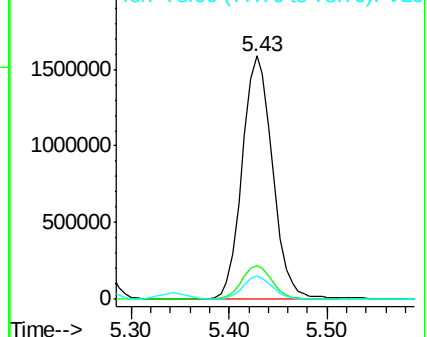
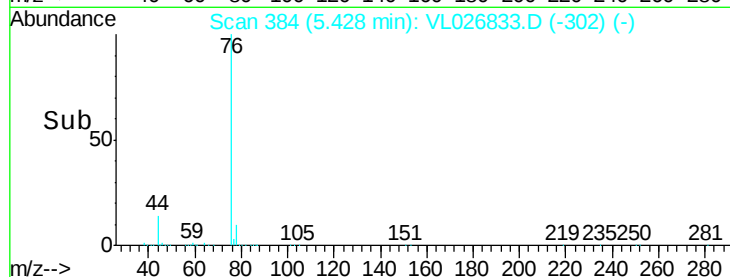
78 9.6 7.7 11.5



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: 10.83 ppbv

RT: 5.99 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL026833.D

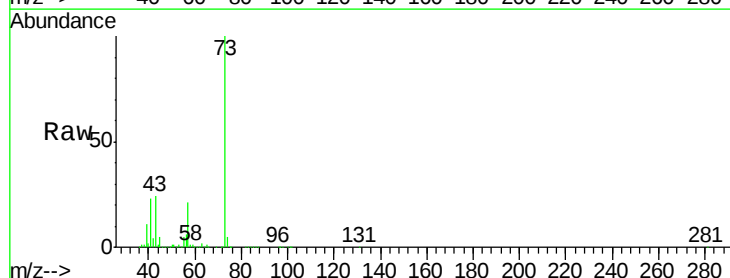
Acq: 10 Feb 2016 00:06

Tgt Ion: 73 Resp: 3308621

Ion Ratio Lower Upper

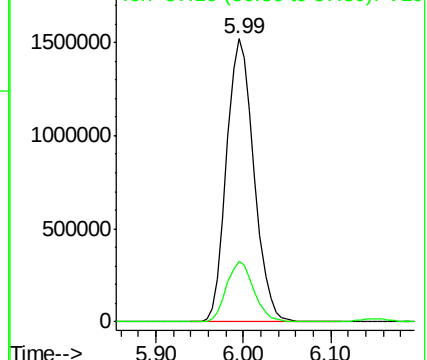
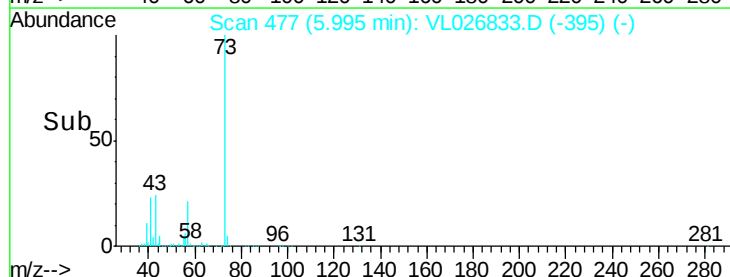
73 100

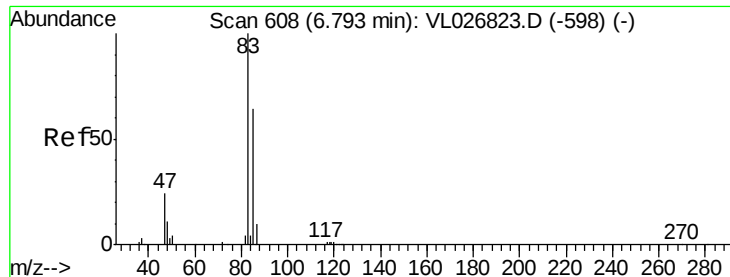
57 21.2 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.36 ppbv

RT: 6.79 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

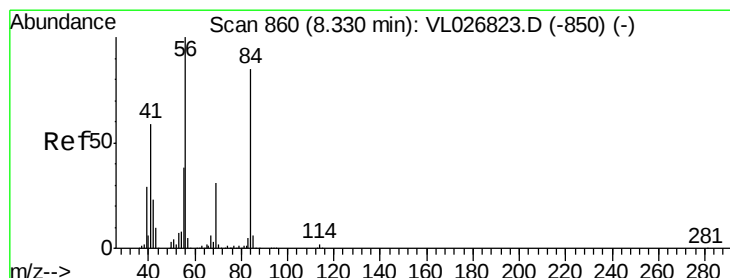
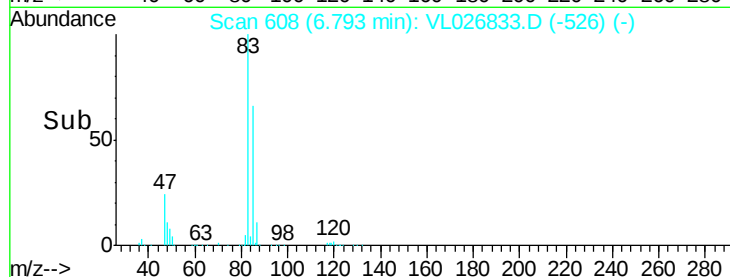
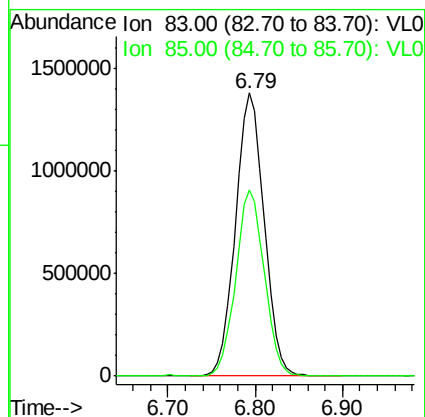
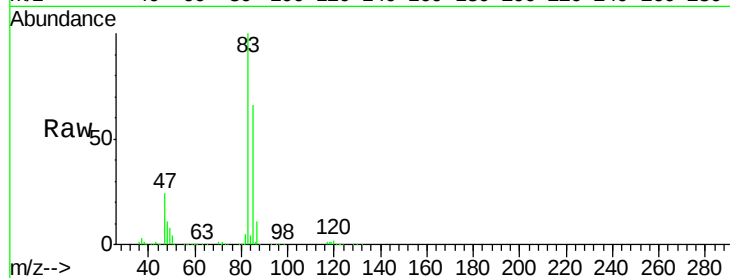
VL0209ABS01

Tgt Ion: 83 Resp: 3152649

Ion Ratio Lower Upper

83 100

85 65.5 51.5 77.3



#30

Cyclohexane

Concen: 11.68 ppbv

RT: 8.33 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

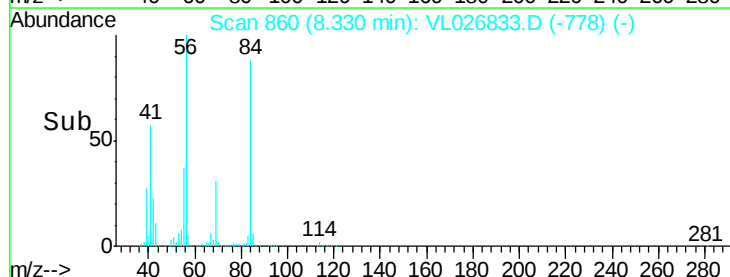
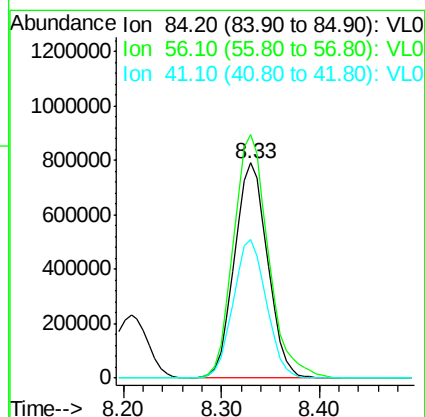
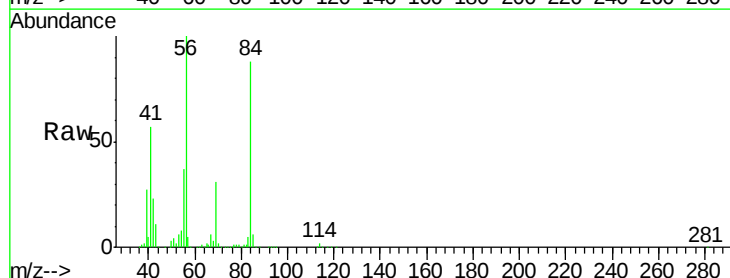
Tgt Ion: 84 Resp: 1858466

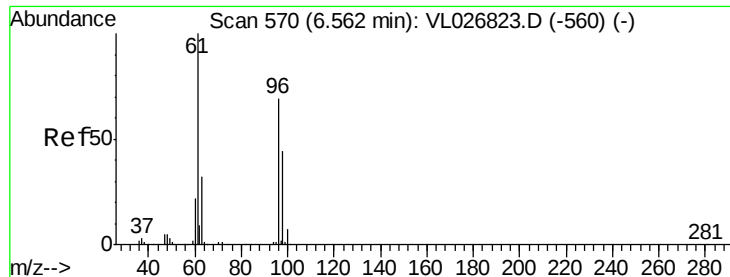
Ion Ratio Lower Upper

84 100

56 119.7 99.4 149.2

41 65.1 56.7 85.1



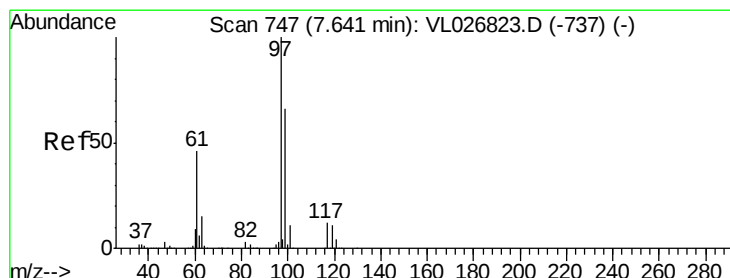
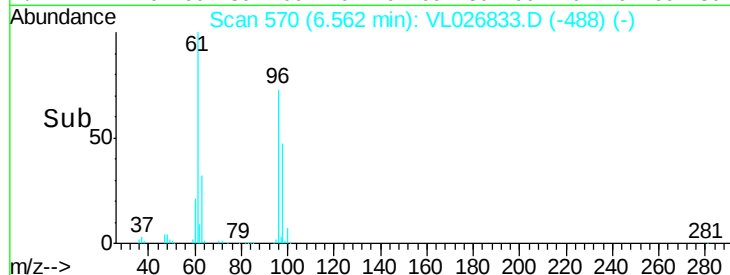
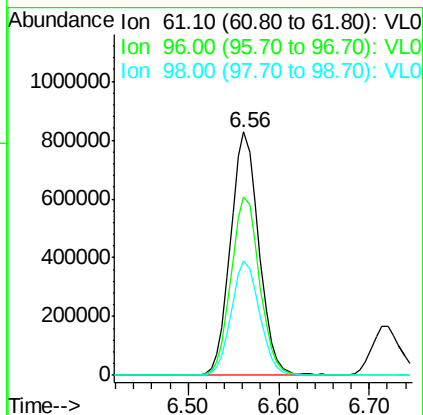
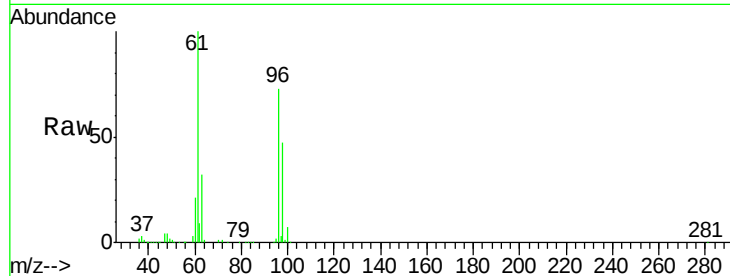


#31

cis-1,2-Dichloroethene
 Concen: 11.04 ppbv
 RT: 6.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

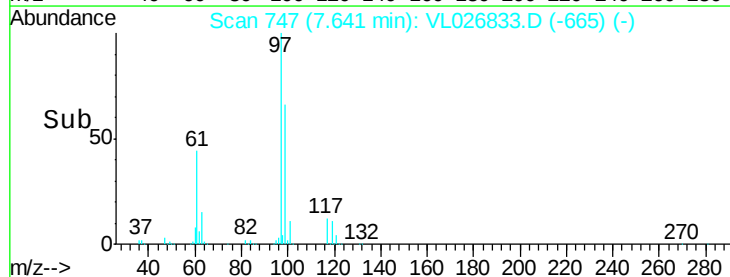
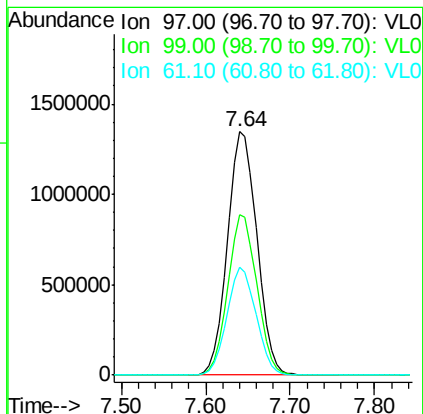
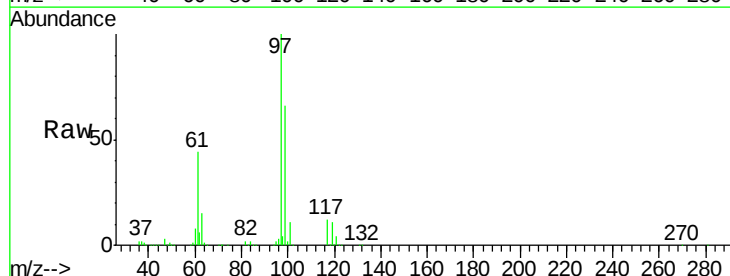
Tgt Ion: 61 Resp: 1802359
 Ion Ratio Lower Upper
 61 100
 96 73.3 55.2 82.8
 98 46.9 35.2 52.8

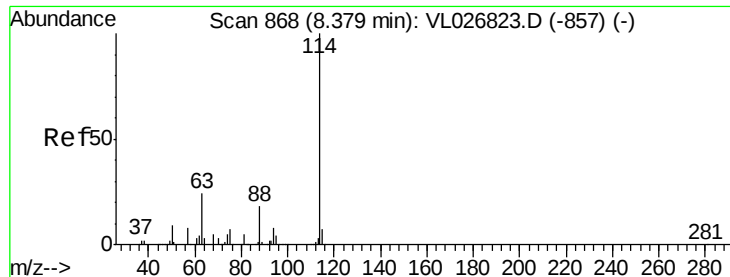


#32

1,1,1-Trichloroethane
 Concen: 10.46 ppbv
 RT: 7.64 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 97 Resp: 3201899
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 44.1 36.2 54.4

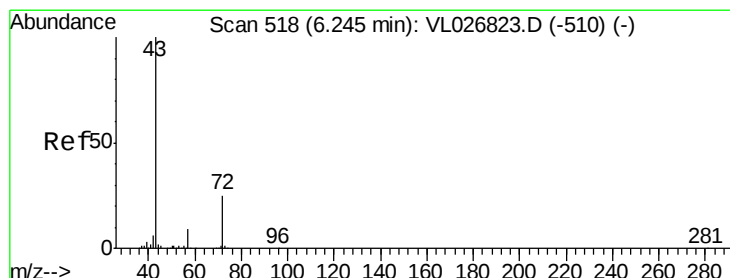
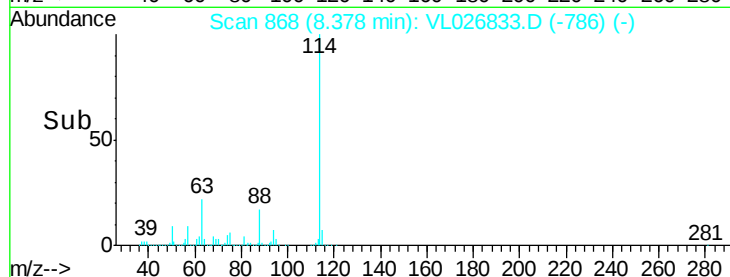
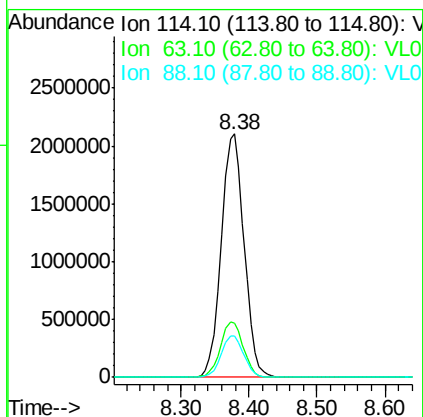
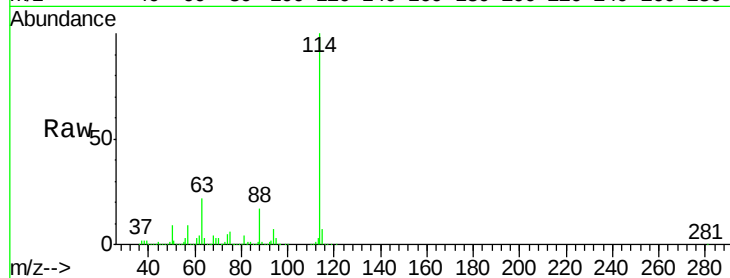




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.38 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

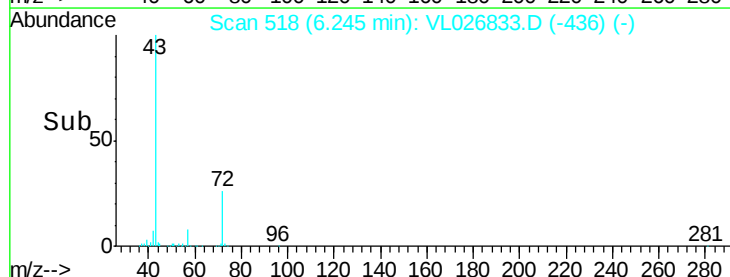
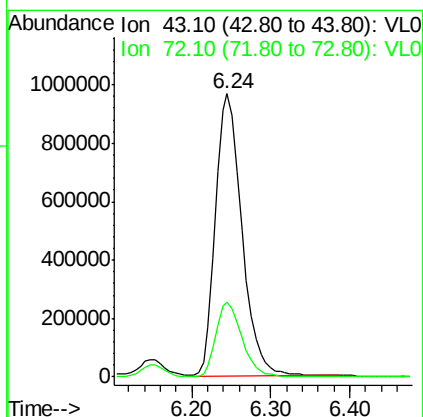
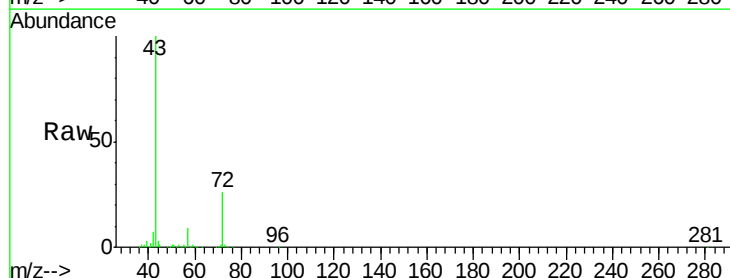
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

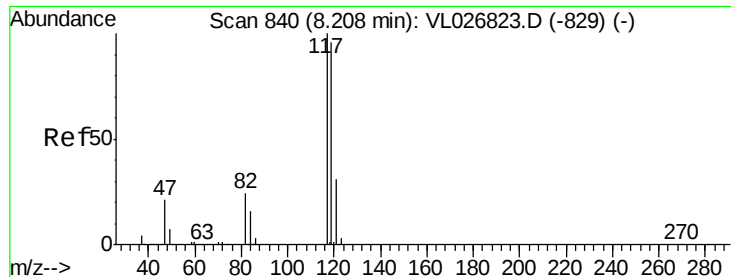
Tgt Ion:114 Resp: 4899822
 Ion Ratio Lower Upper
 114 100
 63 23.0 19.7 29.5
 88 16.8 13.8 20.6



#34
 2-Butanone
 Concen: 9.39 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 43 Resp: 2254302
 Ion Ratio Lower Upper
 43 100
 72 26.1 19.8 29.8





#35

Carbon Tetrachloride

Concen: 9.87 ppbv

RT: 8.21 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

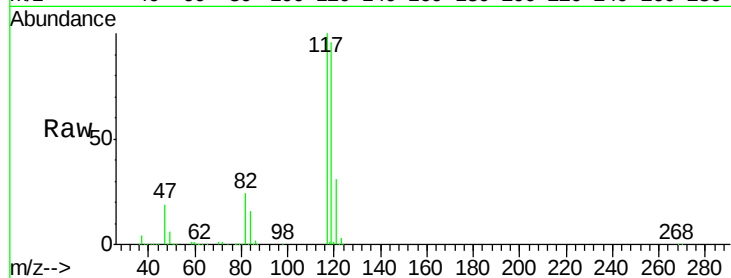
Tgt Ion:117 Resp: 3512783

Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0

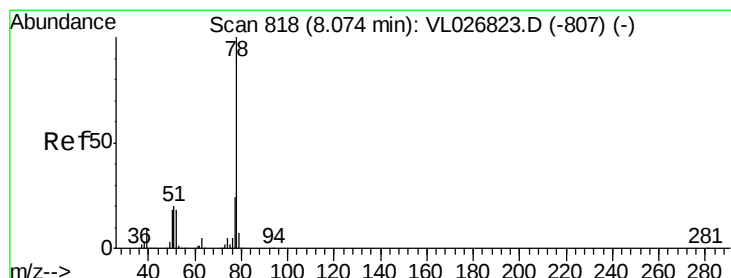
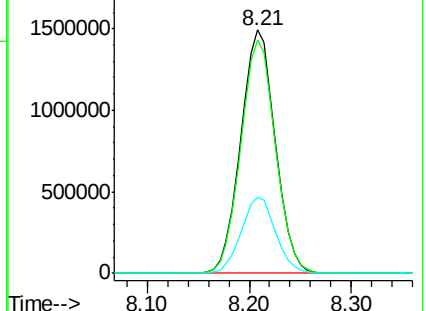
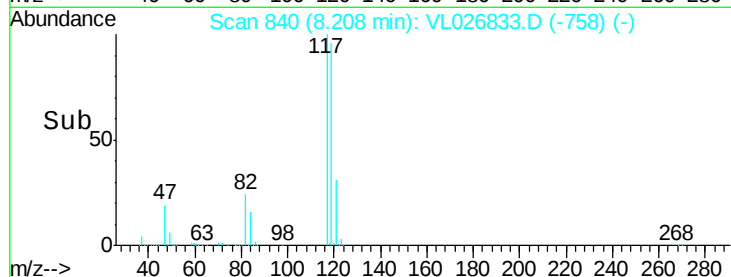
121 31.0 25.0 37.4



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: 10.50 ppbv

RT: 8.07 min Scan# 818

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

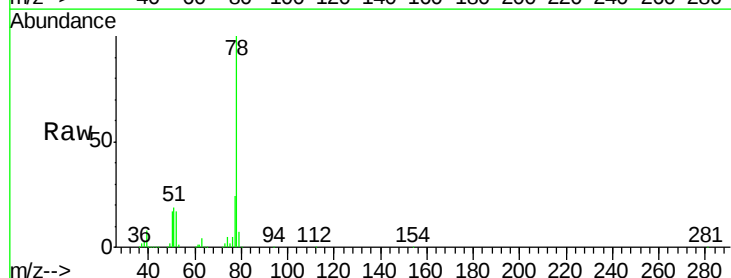
Tgt Ion: 78 Resp: 4082061

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

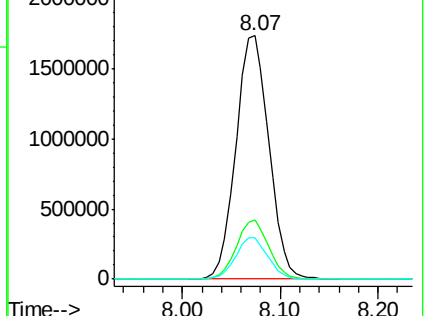
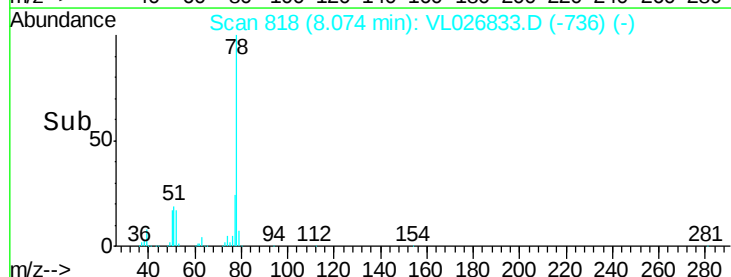
50 17.0 14.2 21.4

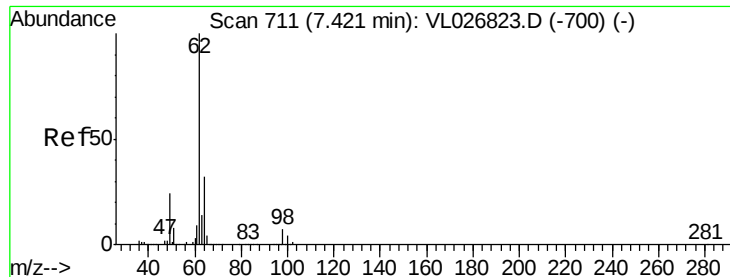


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

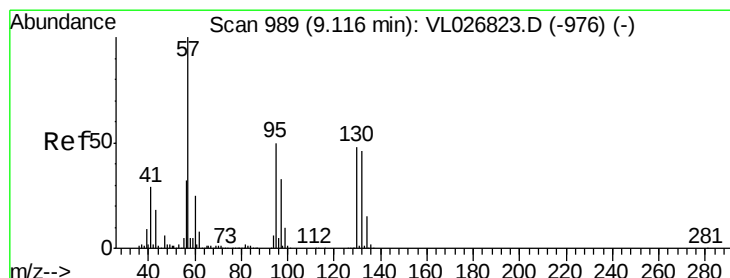
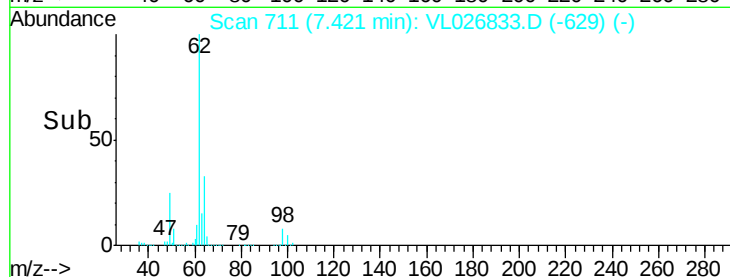
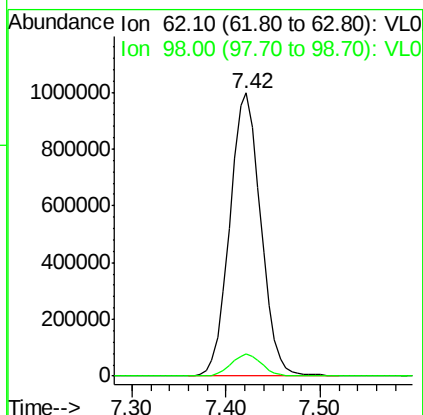
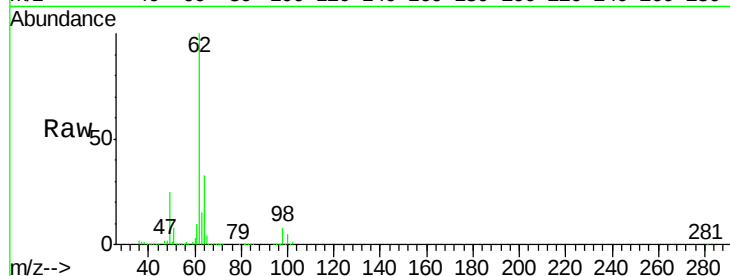




#37
 1,2-Dichloroethane
 Concen: 9.39 ppbv
 RT: 7.42 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

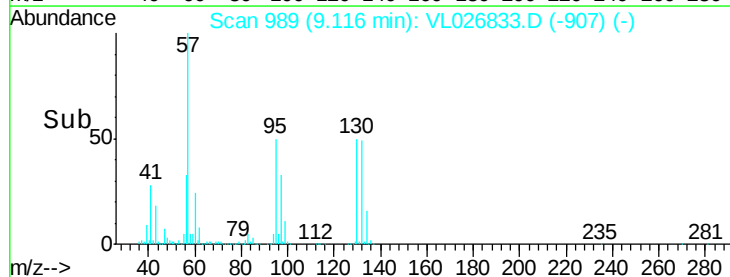
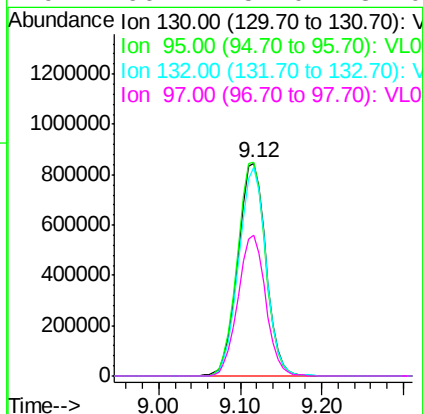
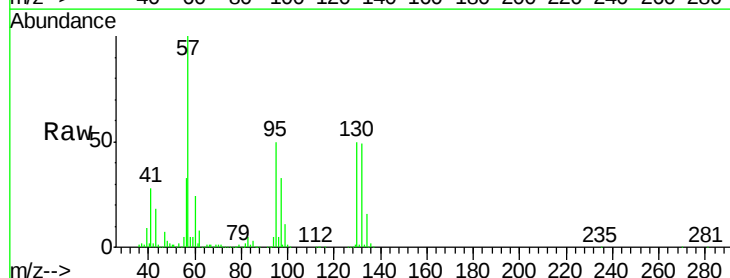
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

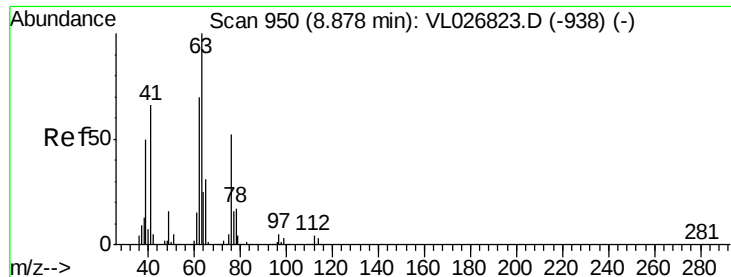
Tgt Ion: 62 Resp: 2286860
 Ion Ratio Lower Upper
 62 100
 98 7.7 5.4 8.2



#38
 Trichloroethene
 Concen: 11.23 ppbv
 RT: 9.12 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 130 Resp: 2012298
 Ion Ratio Lower Upper
 130 100
 95 100.4 83.0 124.6
 132 98.0 76.0 114.0
 97 66.2 54.0 81.0

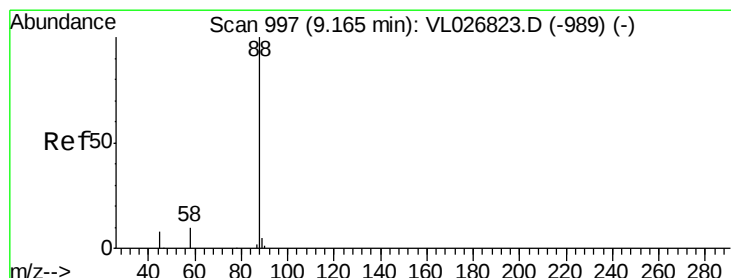
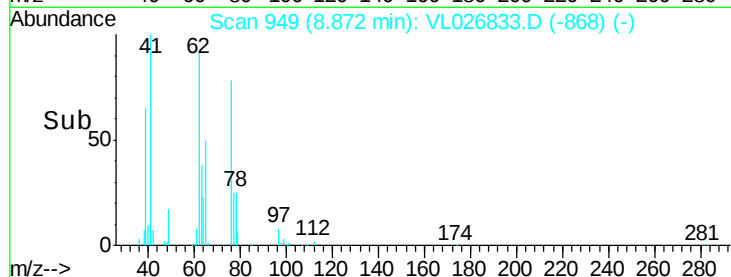
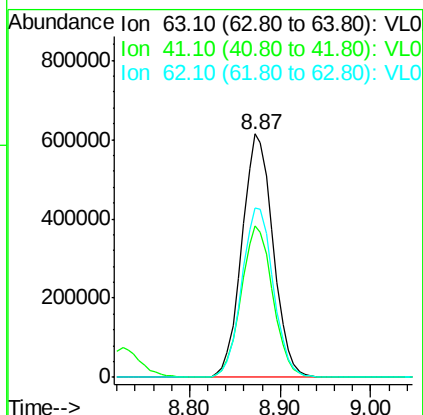
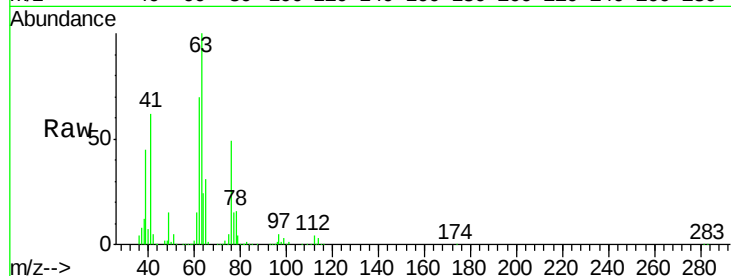




#39
 1,2-Dichloropropane
 Concen: 9.94 ppbv
 RT: 8.87 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

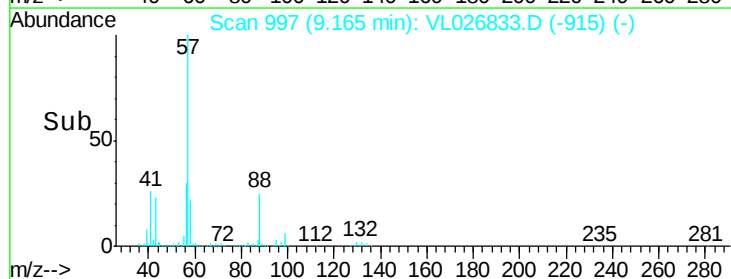
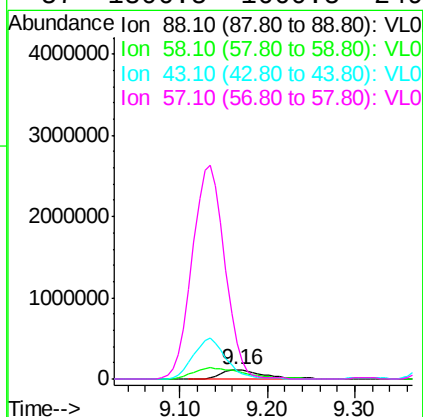
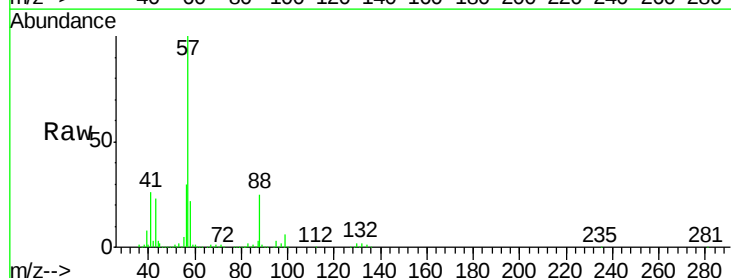
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

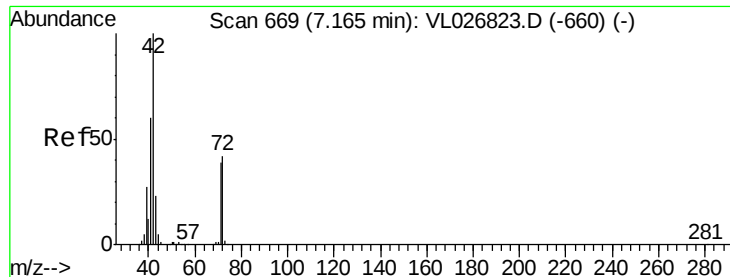
Tgt Ion: 63 Resp: 1460758
 Ion Ratio Lower Upper
 63 100
 41 61.9 53.2 79.8
 62 69.7 56.0 84.0



#40
 1,4-Dioxane
 Concen: 14.56 ppbv
 RT: 9.16 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 88 Resp: 379653
 Ion Ratio Lower Upper
 88 100
 58 152.7 135.6 203.4
 43 353.1 332.3 498.5
 57 1806.5 1660.5 2490.7





#41

Tetrahydrofuran

Concen: 10.59 ppbv

RT: 7.17 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

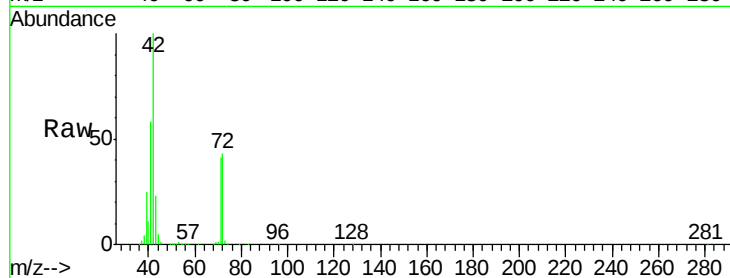
Tgt Ion: 42 Resp: 1252463

Ion Ratio Lower Upper

42 100

72 44.6 33.4 50.0

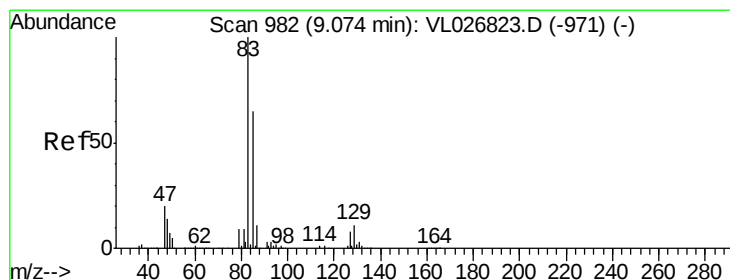
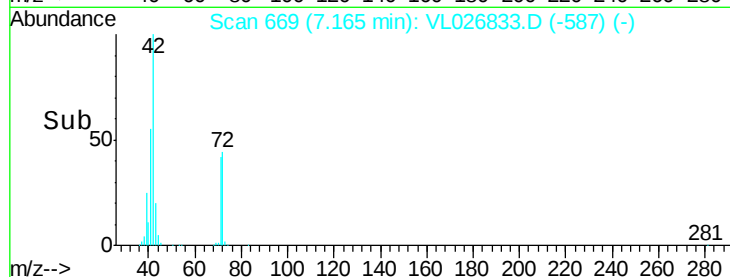
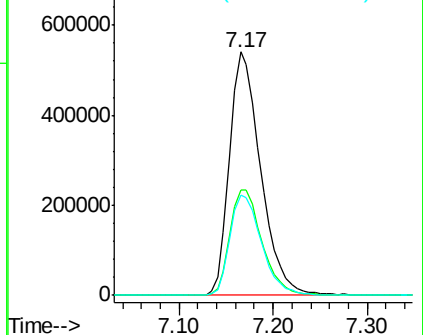
71 41.9 32.1 48.1



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: 10.22 ppbv

RT: 9.07 min Scan# 982

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

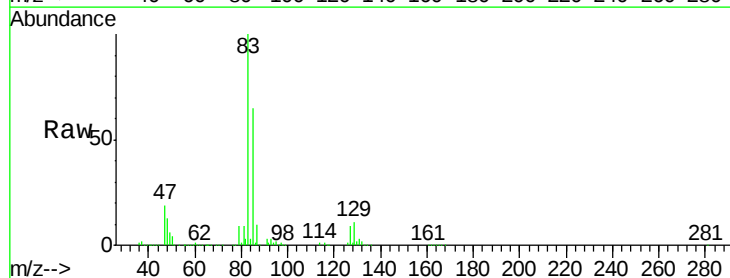
Tgt Ion: 83 Resp: 3350410

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6

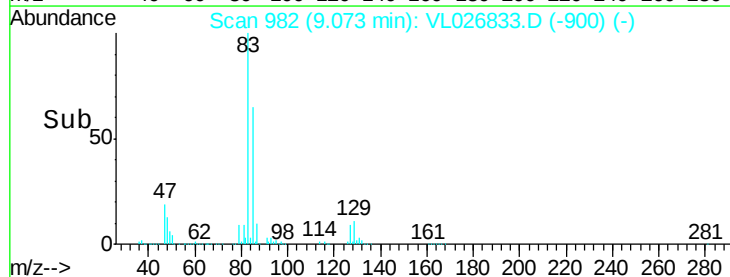
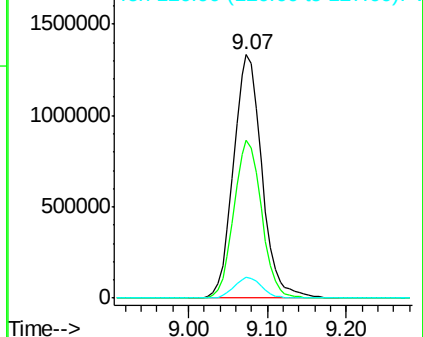
127 8.5 6.4 9.6

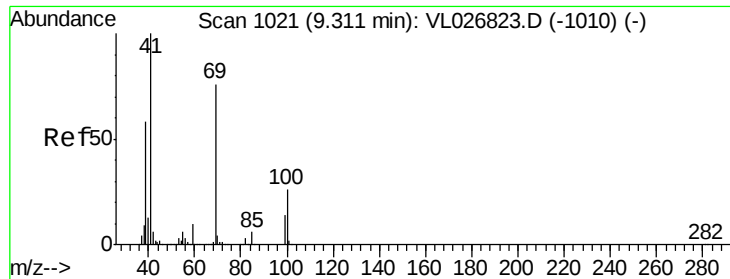


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

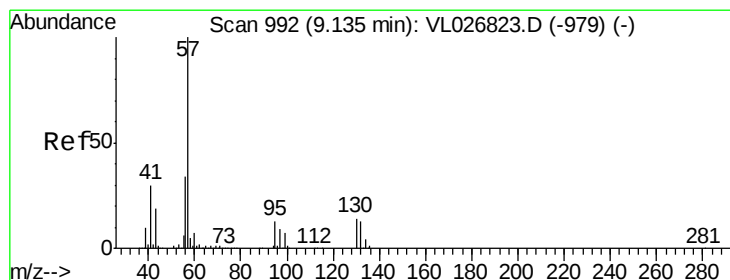
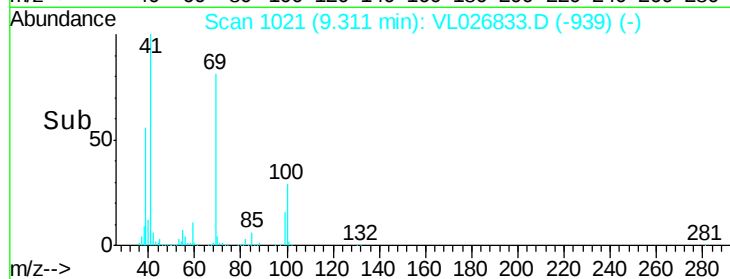
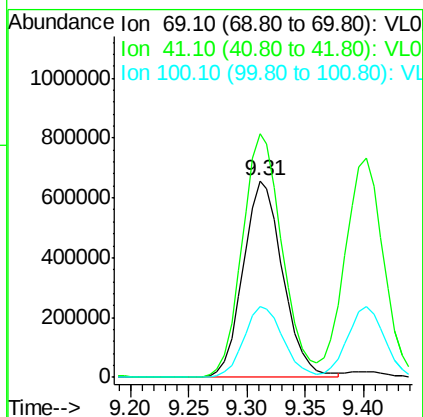
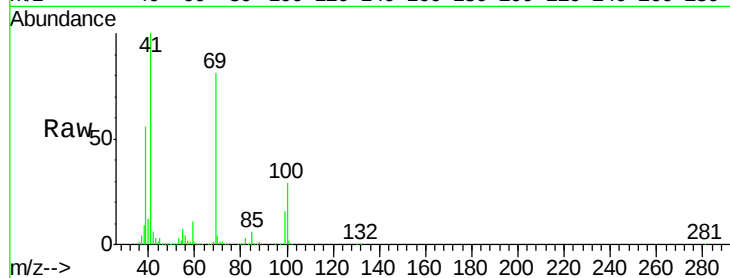




#43
Methyl Methacrylate
Concen: 11.42 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

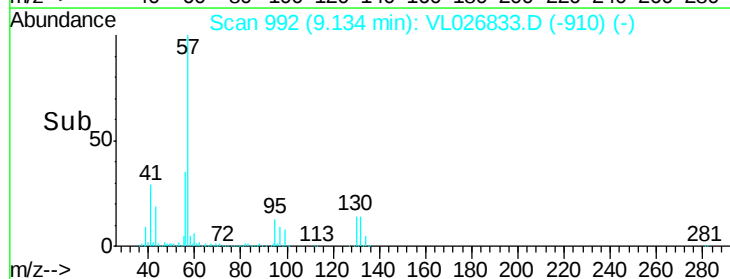
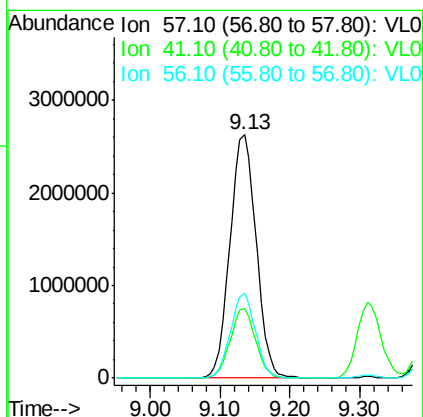
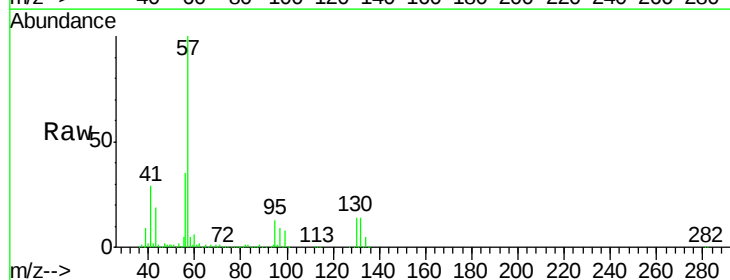
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

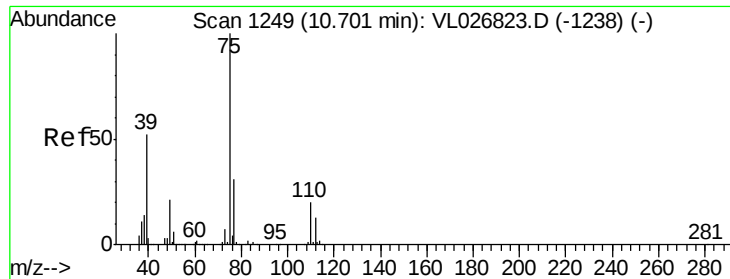
Tgt Ion: 69 Resp: 1557235
Ion Ratio Lower Upper
69 100
41 124.4 106.5 159.7
100 35.9 27.2 40.8



#44
2,2,4-Trimethylpentane
Concen: 10.32 ppbv
RT: 9.13 min Scan# 992
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion: 57 Resp: 6857849
Ion Ratio Lower Upper
57 100
41 27.6 23.2 34.8
56 33.0 26.2 39.4

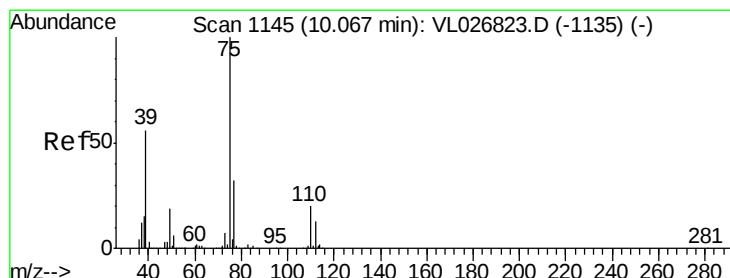
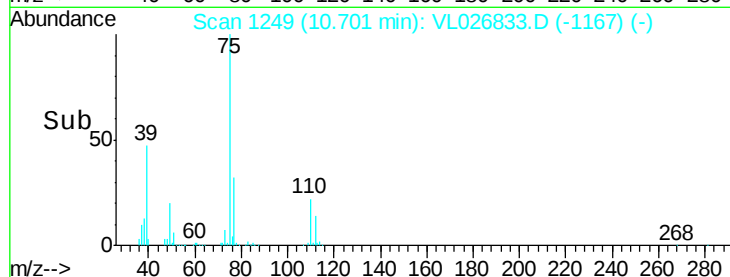
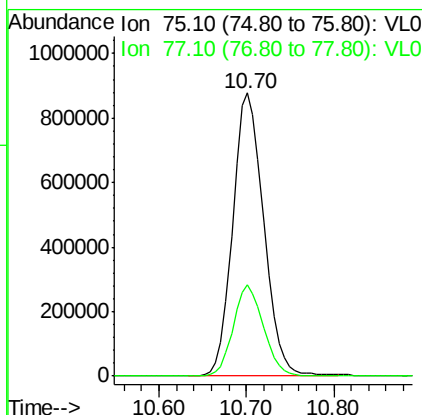
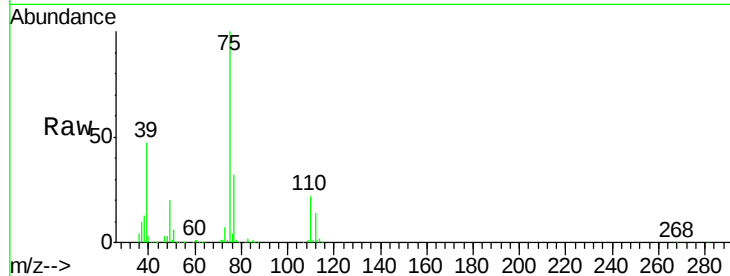




#45
 t-1,3-Dichloropropene
 Concen: 11.82 ppbv
 RT: 10.70 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

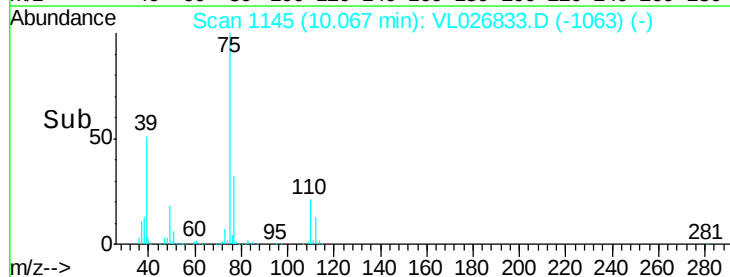
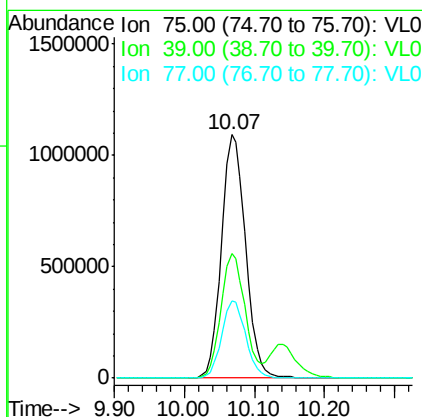
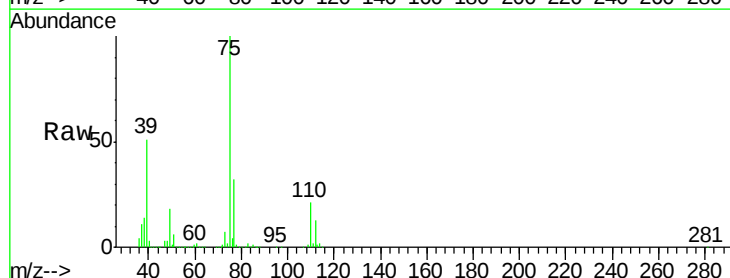
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

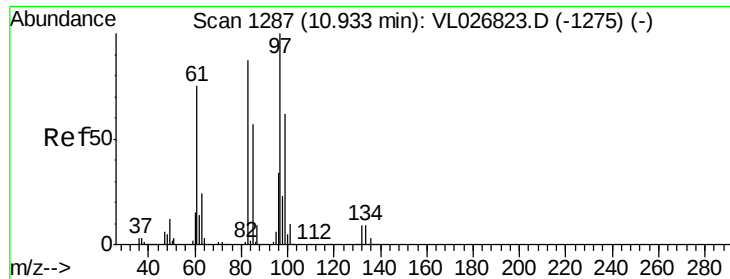
Tgt Ion: 75 Resp: 2166993
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.75 ppbv
 RT: 10.07 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 75 Resp: 2622757
 Ion Ratio Lower Upper
 75 100
 39 51.0 45.0 67.6
 77 31.6 25.2 37.8

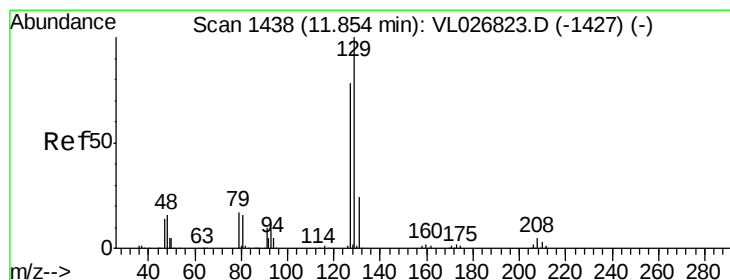
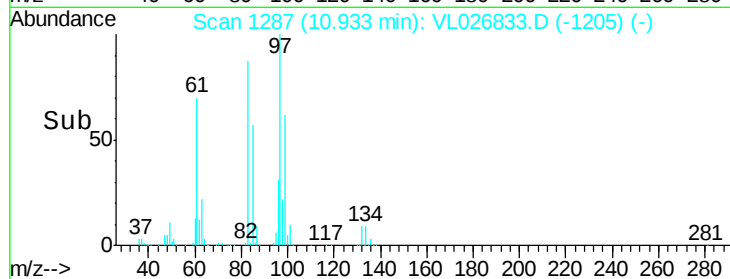
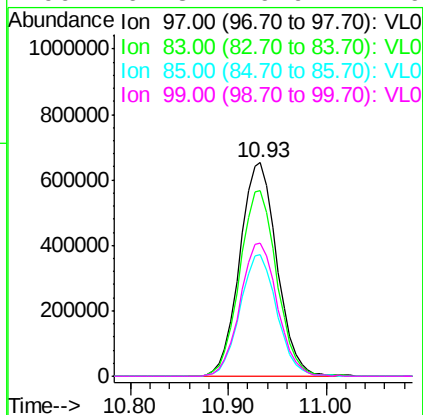
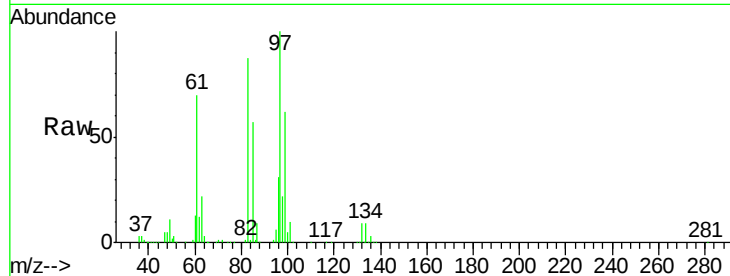




#47
 1,1,2-Trichloroethane
 Concen: 10.63 ppbv
 RT: 10.93 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

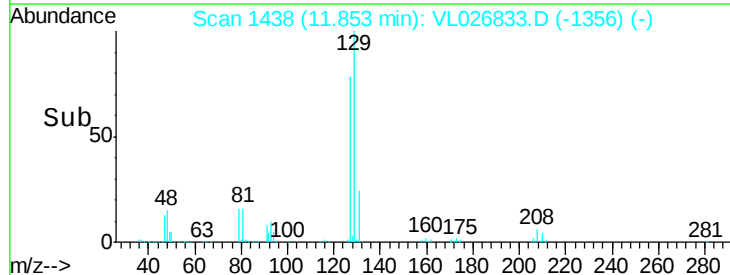
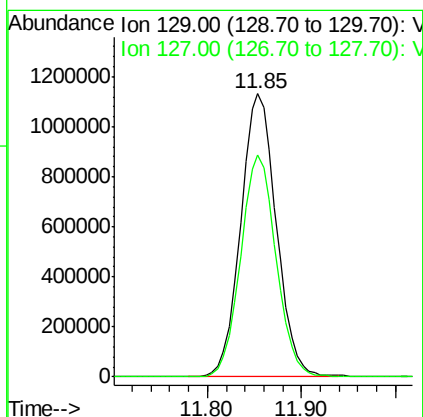
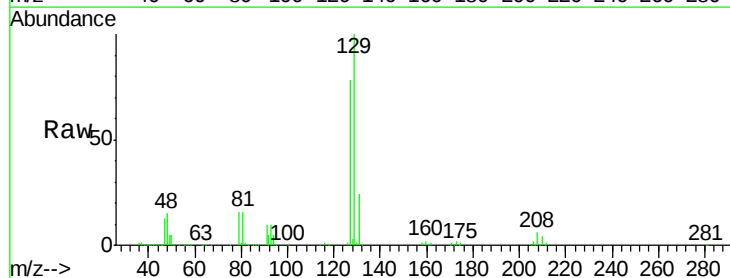
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

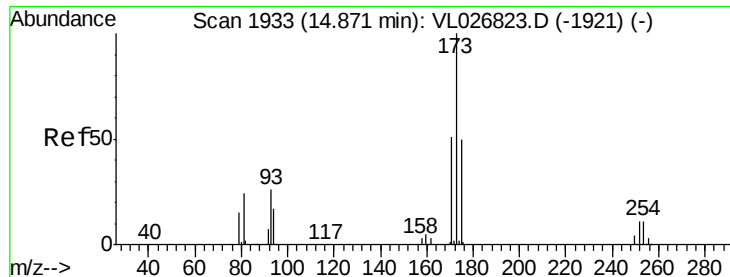
Tgt Ion: 97 Resp: 1729359
 Ion Ratio Lower Upper
 97 100
 83 86.8 69.7 104.5
 85 56.8 45.3 67.9
 99 62.3 49.9 74.9



#48
 Dibromochloromethane
 Concen: 11.25 ppbv
 RT: 11.85 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 129 Resp: 2990990
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.6 119.0





#49

Bromoform

Concen: 11.91 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

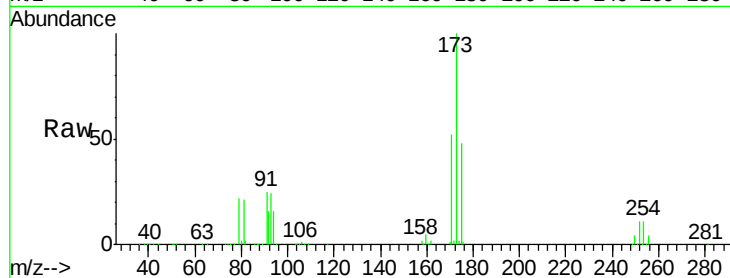
Tgt Ion:173 Resp: 2385092

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

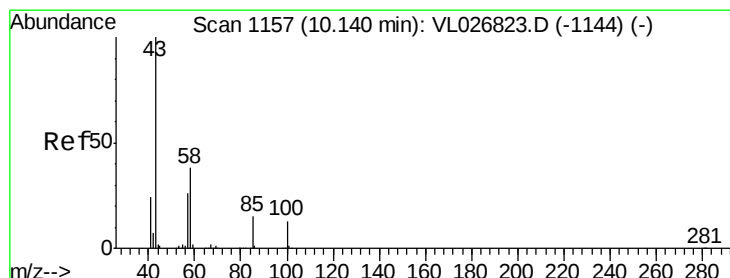
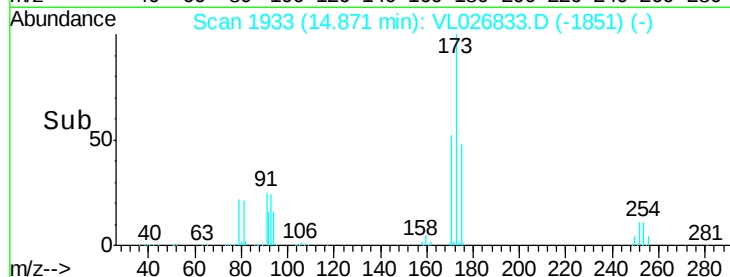
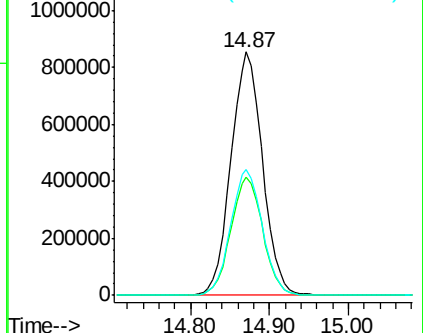
171 51.9 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.60 ppbv

RT: 10.14 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL026833.D

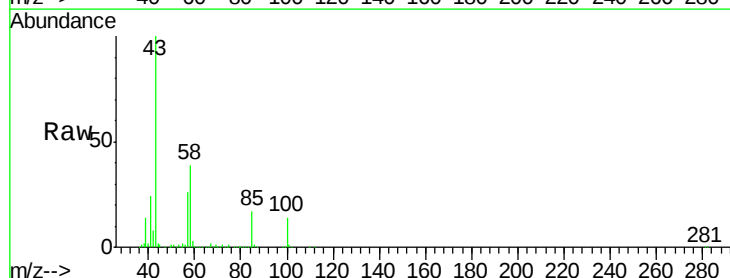
Acq: 10 Feb 2016 00:06

Tgt Ion: 43 Resp: 3002237

Ion Ratio Lower Upper

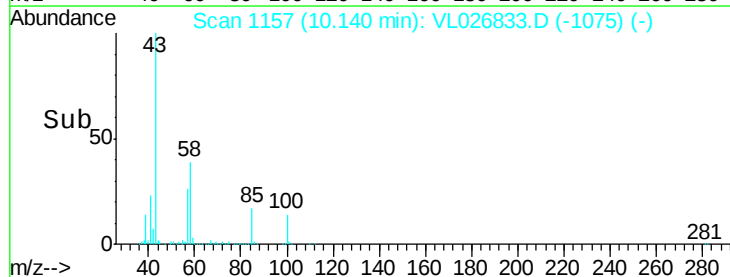
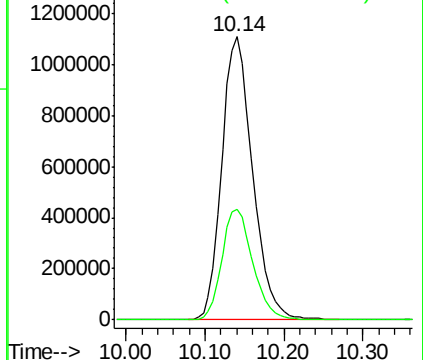
43 100

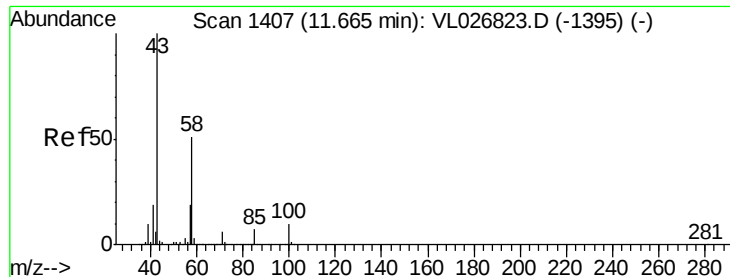
58 39.7 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

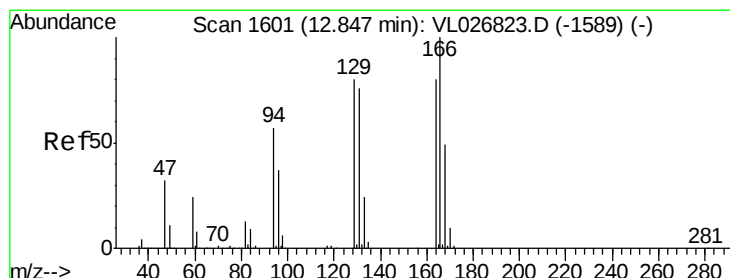
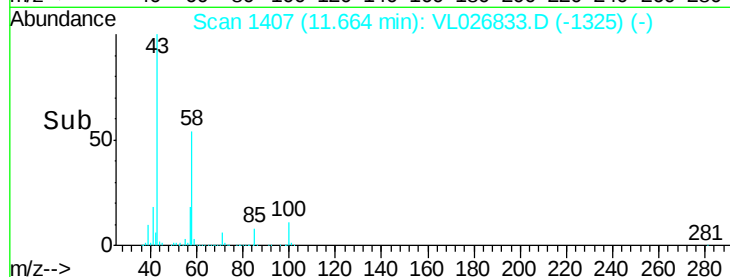
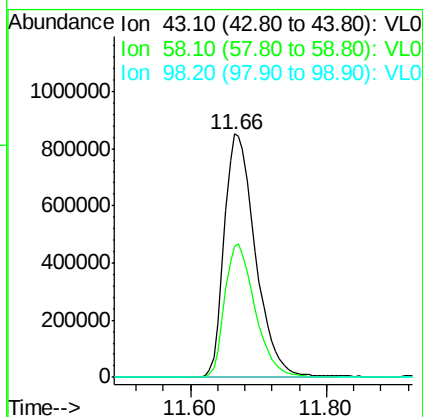
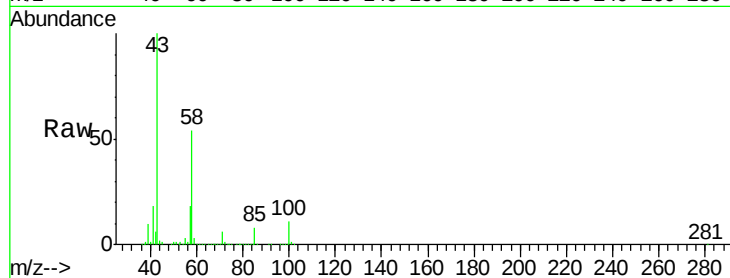




#51
2-Hexanone
Concen: 11.44 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

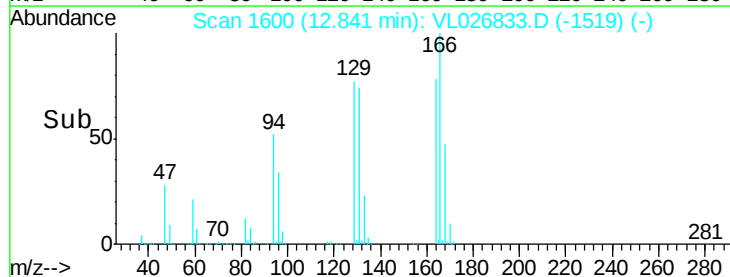
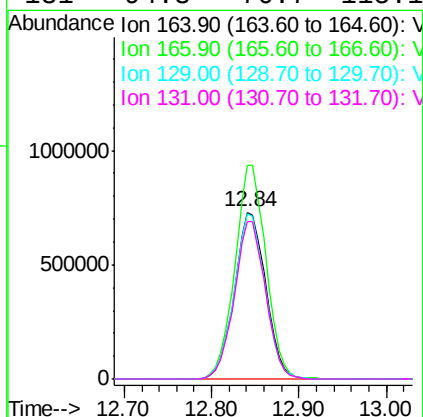
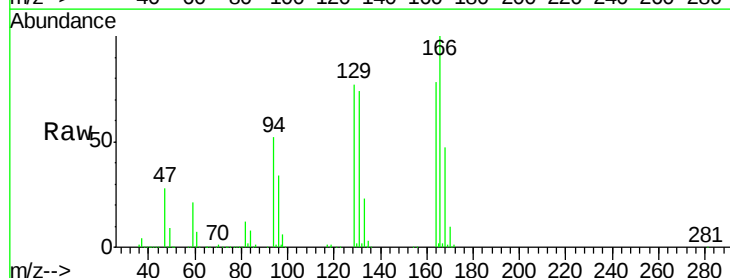
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

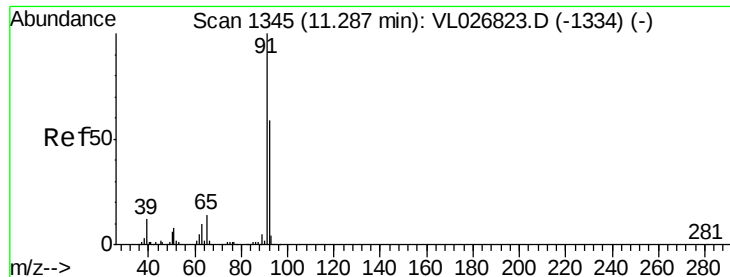
Tgt Ion: 43 Resp: 2716712
Ion Ratio Lower Upper
43 100
58 53.4 40.4 60.6
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 11.84 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion: 164 Resp: 1812223
Ion Ratio Lower Upper
164 100
166 128.3 100.3 150.5
129 99.2 80.0 120.0
131 94.3 76.7 115.1





#53

Toluene

Concen: 11.59 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

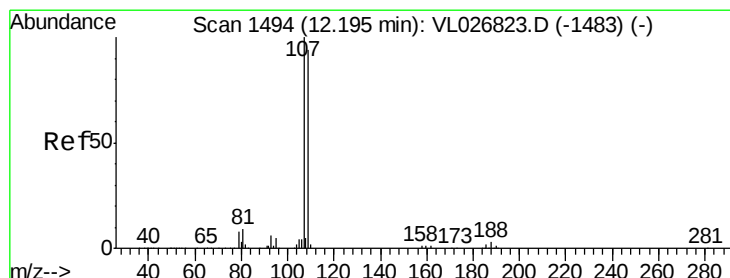
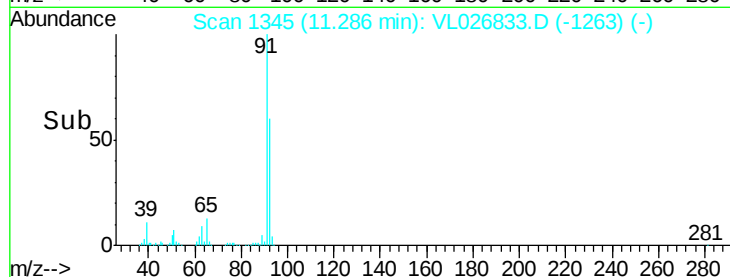
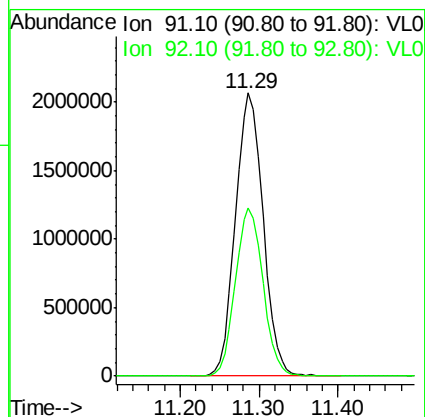
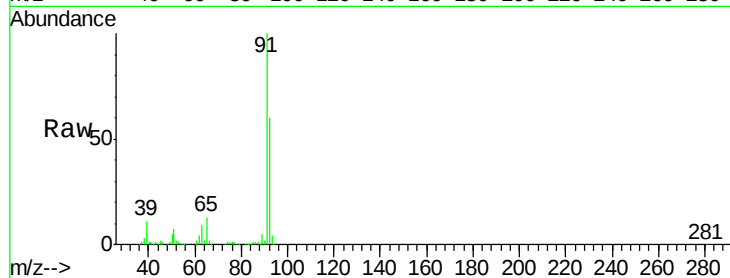
VL0209ABS01

Tgt Ion: 91 Resp: 5070905

Ion Ratio Lower Upper

91 100

92 59.6 47.3 70.9



#54

1,2-Dibromoethane

Concen: 10.92 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL026833.D

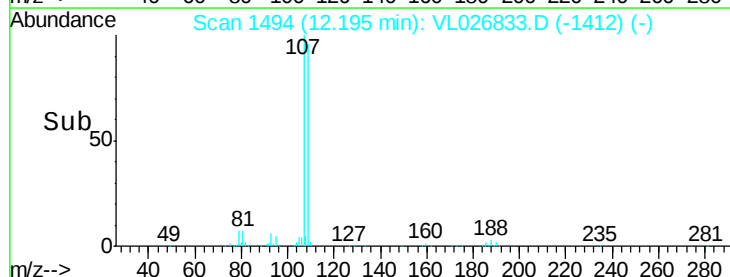
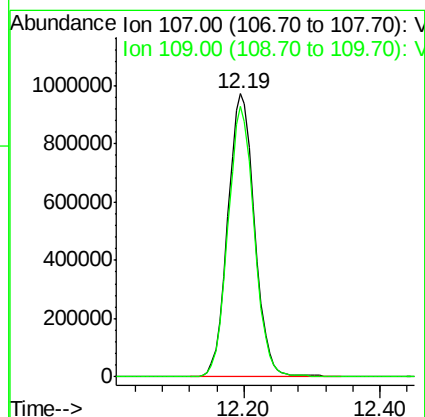
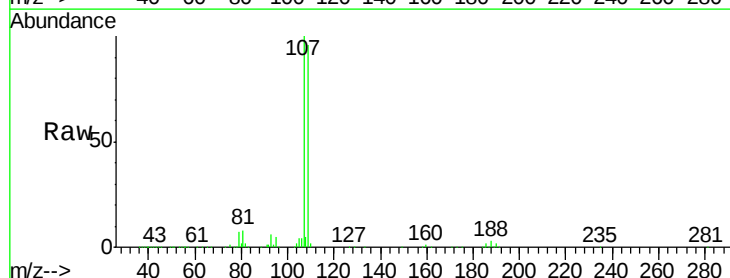
Acq: 10 Feb 2016 00:06

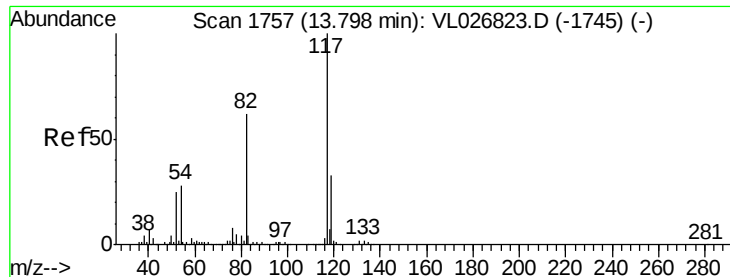
Tgt Ion: 107 Resp: 2642338

Ion Ratio Lower Upper

107 100

109 95.5 75.0 112.4

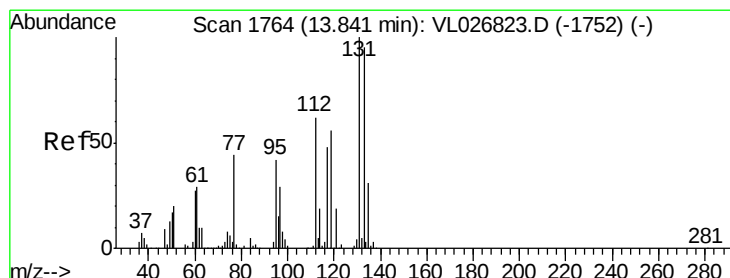
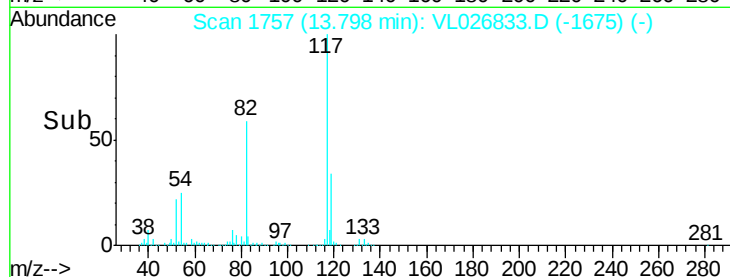
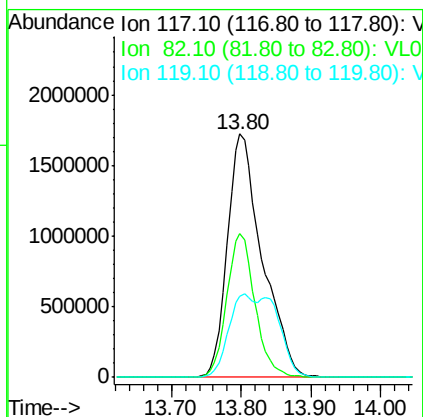
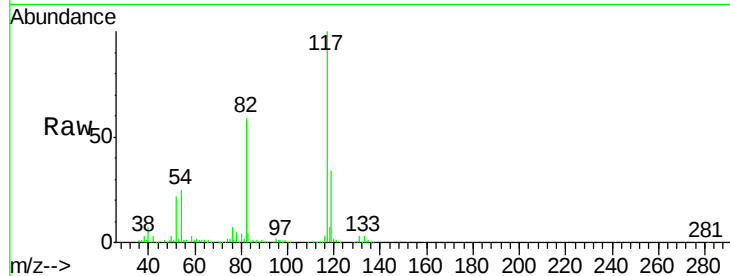




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

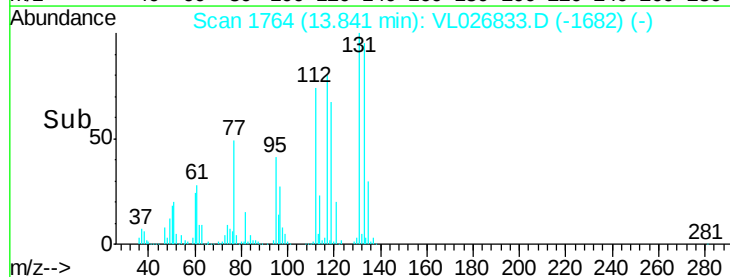
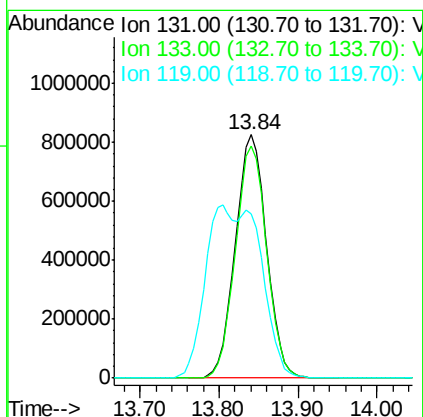
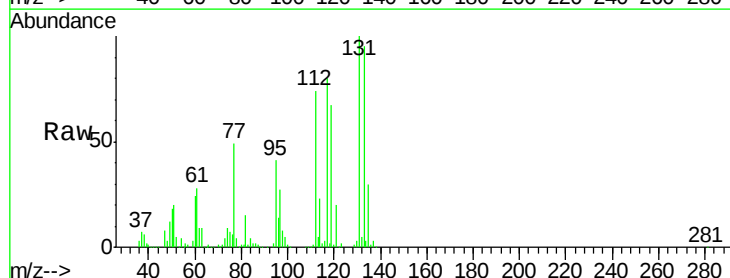
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

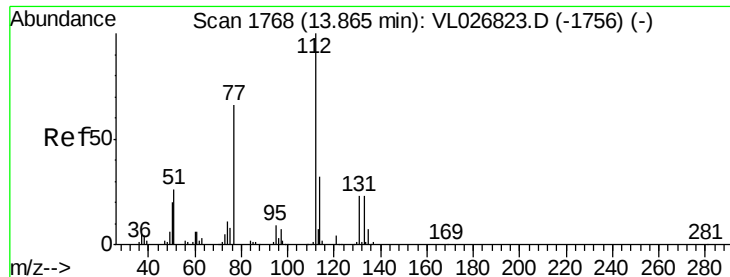
Tgt Ion:117 Resp: 5974382
Ion Ratio Lower Upper
117 100
82 47.9 51.9 77.9#
119 47.8 48.5 72.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.61 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion:131 Resp: 2268573
Ion Ratio Lower Upper
131 100
133 96.0 76.4 114.6
119 126.1 99.8 149.8





#57

Chlorobenzene

Concen: 8.58 ppbv

RT: 13.87 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

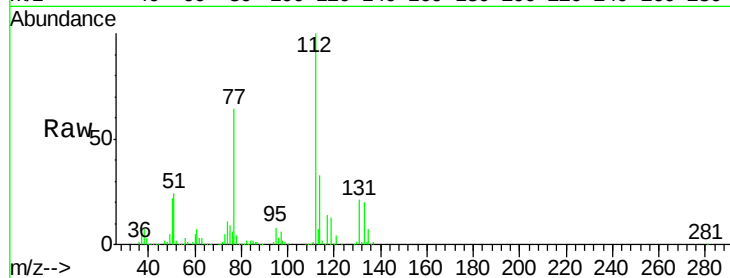
Tgt Ion: 112 Resp: 4244366

Ion Ratio Lower Upper

112 100

77 63.5 53.3 79.9

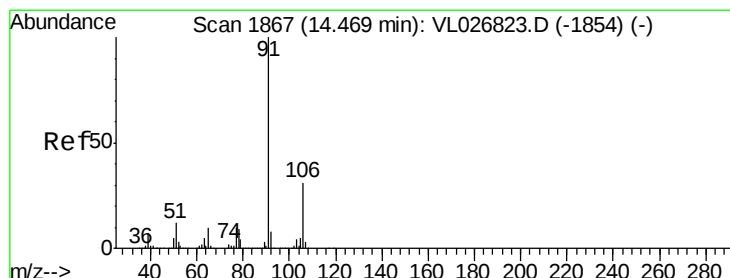
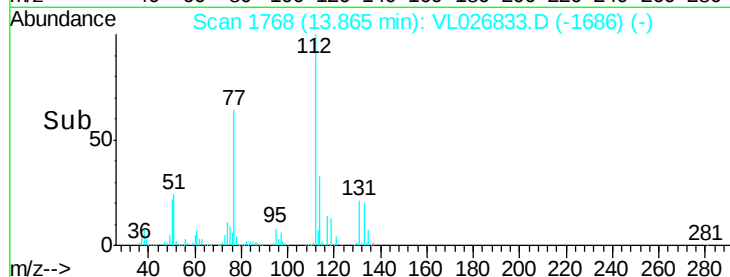
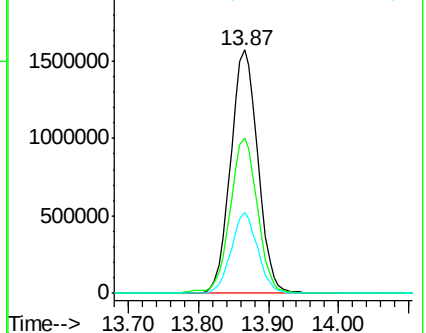
114 33.0 28.9 35.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.22 ppbv

RT: 14.46 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VL026833.D

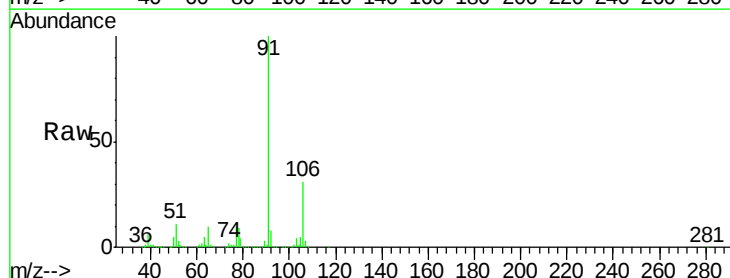
Acq: 10 Feb 2016 00:06

Tgt Ion: 91 Resp: 6635075

Ion Ratio Lower Upper

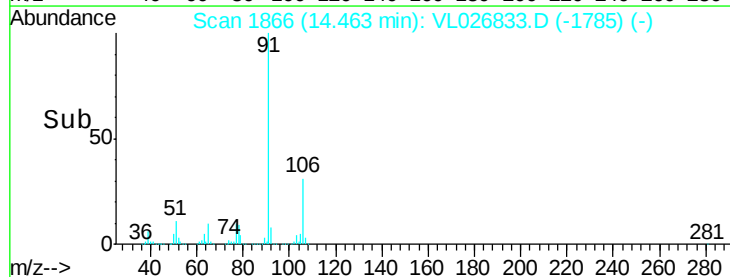
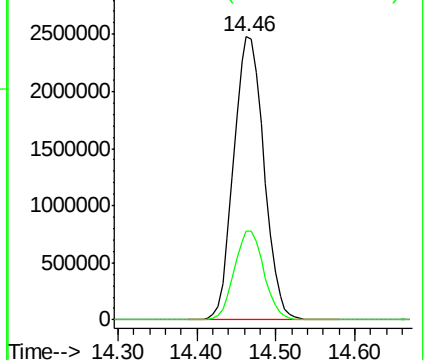
91 100

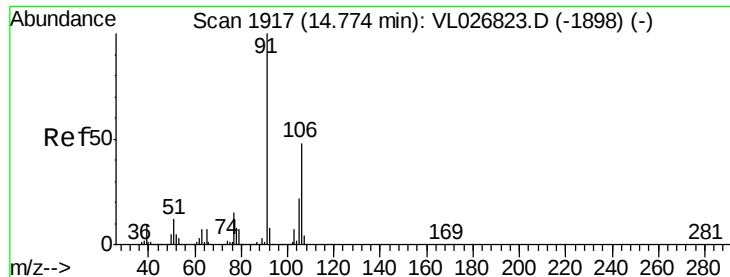
106 31.5 24.9 37.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

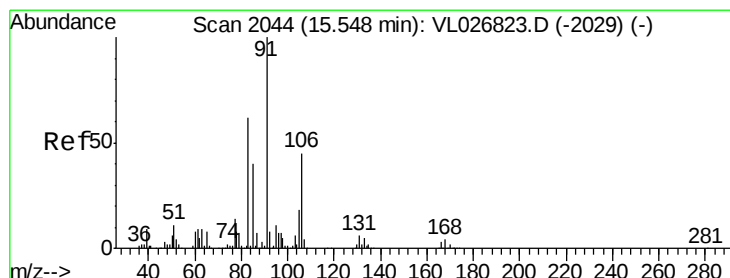
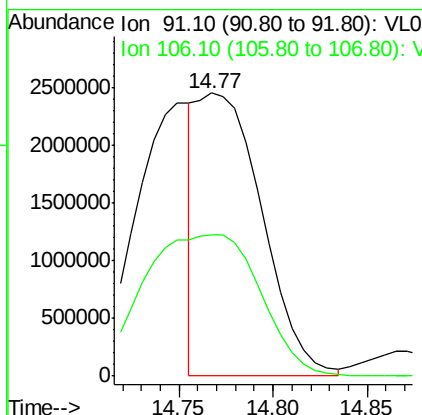
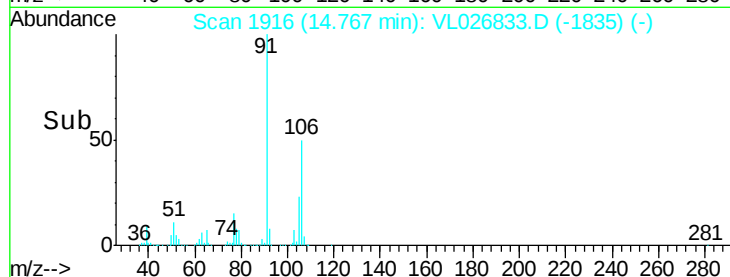
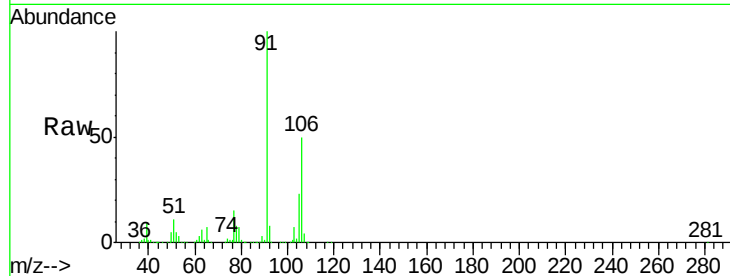




#59
m/p-Xylene
Concen: 9.50 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

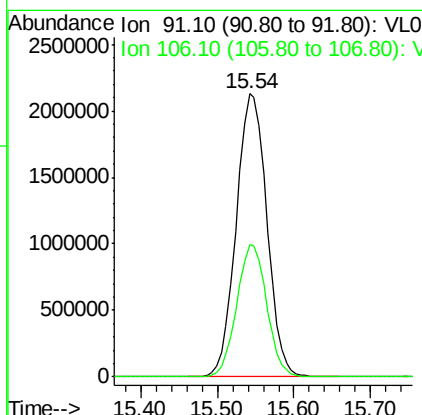
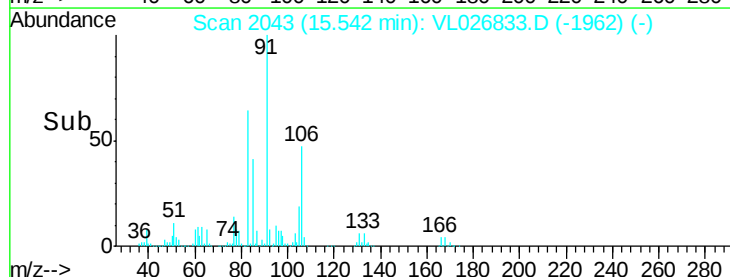
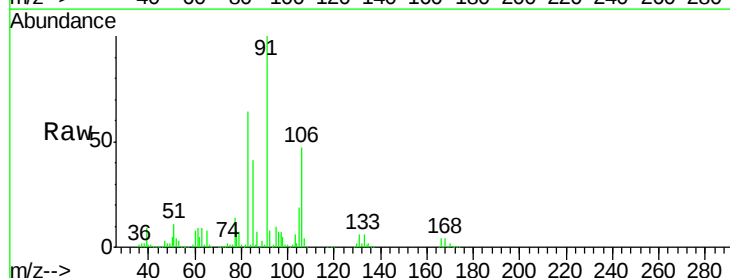
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

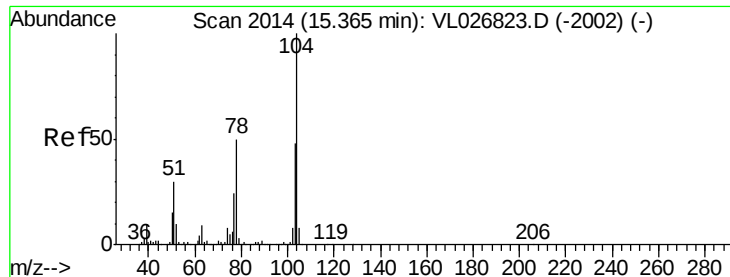
Tgt Ion: 91 Resp: 5837503
Ion Ratio Lower Upper
91 100
106 91.7 38.2 57.2#



#60
o-Xylene
Concen: 8.79 ppbv
RT: 15.54 min Scan# 2043
Delta R.T. -0.01 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion: 91 Resp: 5911584
Ion Ratio Lower Upper
91 100
106 45.8 22.3 66.8





#61

Styrene

Concen: 10.17 ppbv

RT: 15.36 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

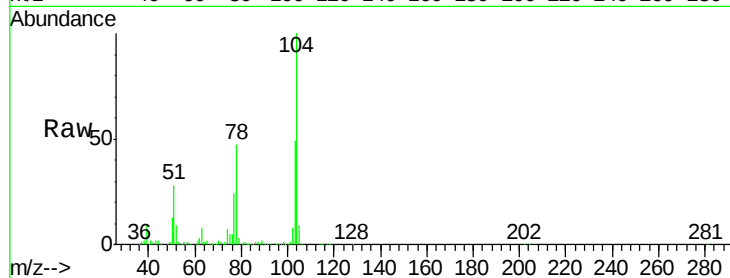
Tgt Ion:104 Resp: 2314163

Ion Ratio Lower Upper

104 100

78 46.5 39.8 59.6

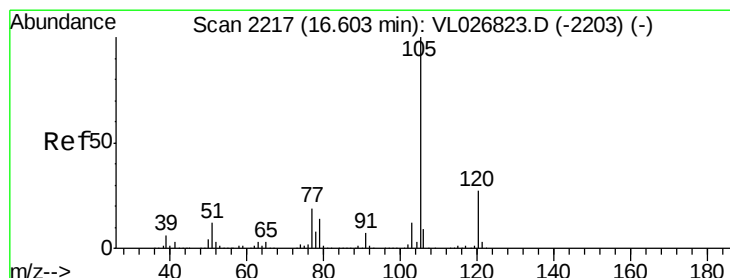
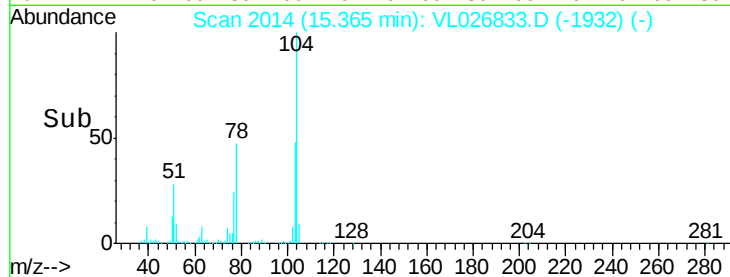
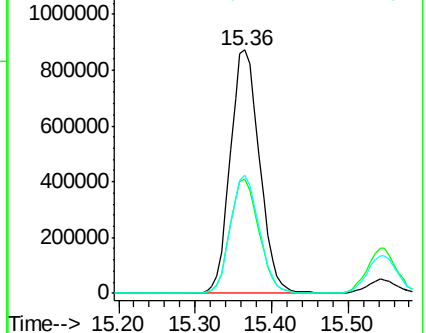
103 47.7 38.2 57.4



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: 8.89 ppbv

RT: 16.60 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VL026833.D

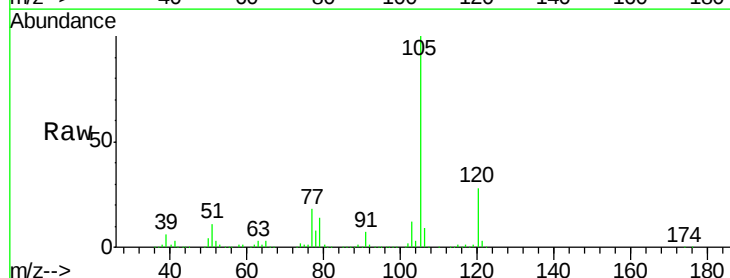
Acq: 10 Feb 2016 00:06

Tgt Ion:105 Resp: 7178210

Ion Ratio Lower Upper

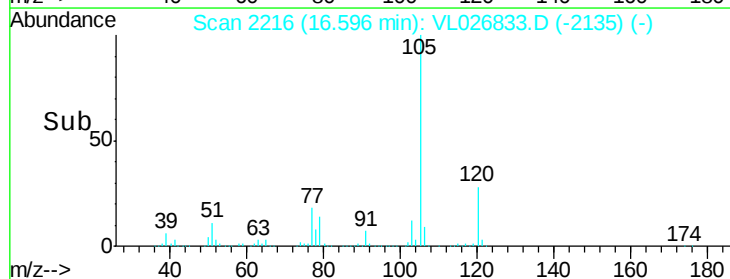
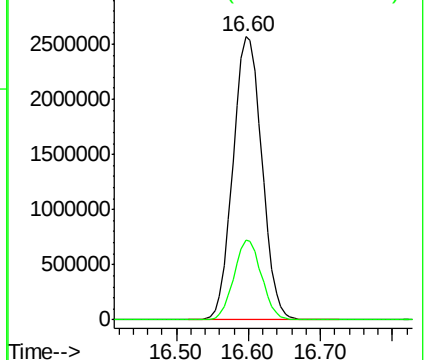
105 100

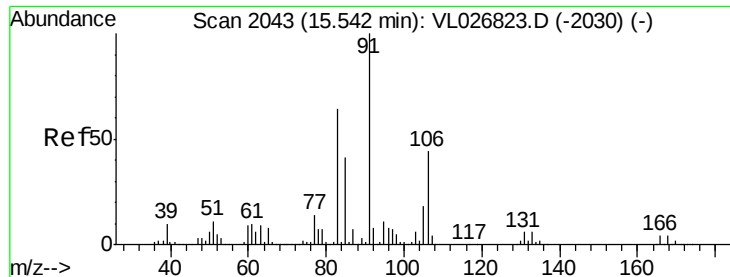
120 27.0 21.0 31.4



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: 8.45 ppbv

RT: 15.54 min Scan# 2043

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

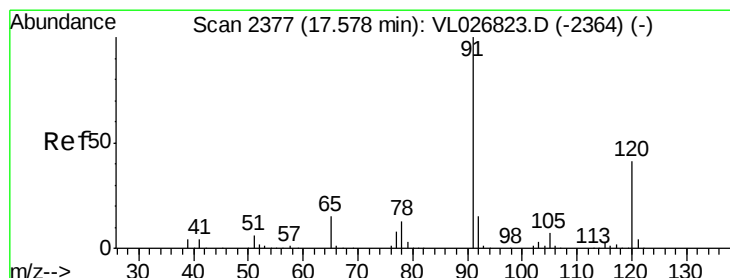
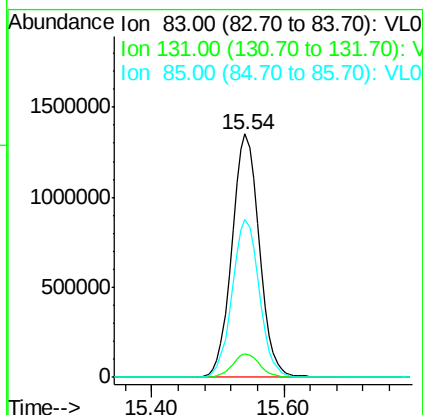
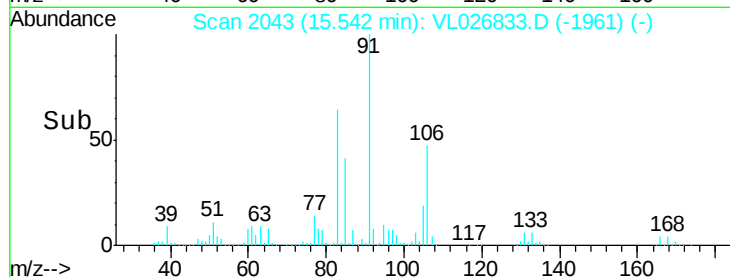
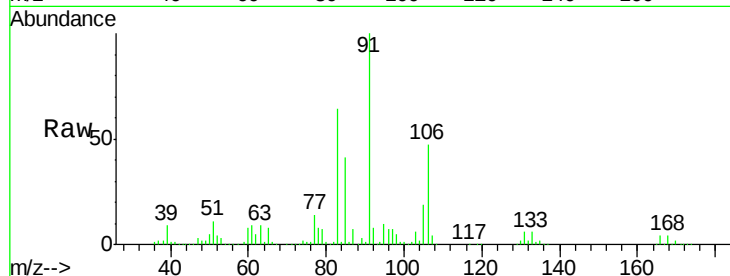
Tgt Ion: 83 Resp: 3878056

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

85 64.7 32.3 96.9



#64

n-propylbenzene

Concen: 9.16 ppbv

RT: 17.57 min Scan# 2376

Delta R.T. -0.01 min

Lab File: VL026833.D

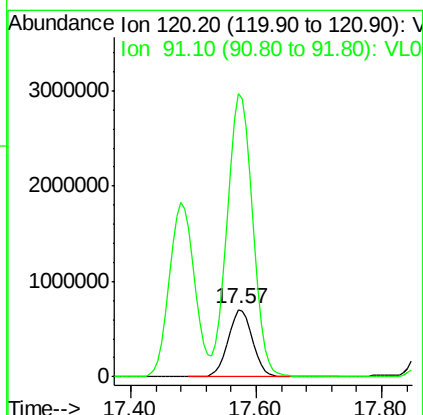
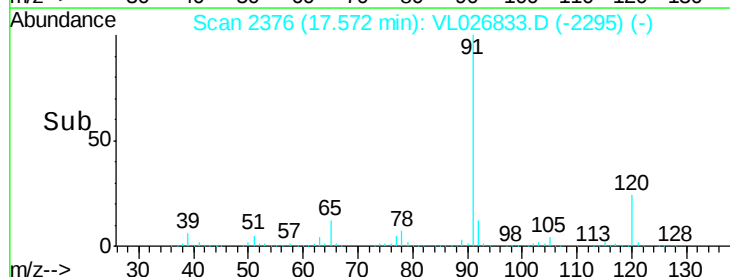
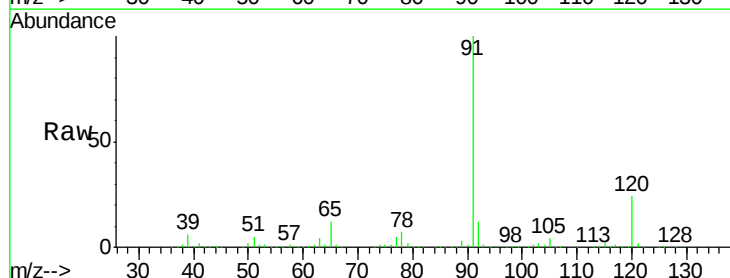
Acq: 10 Feb 2016 00:06

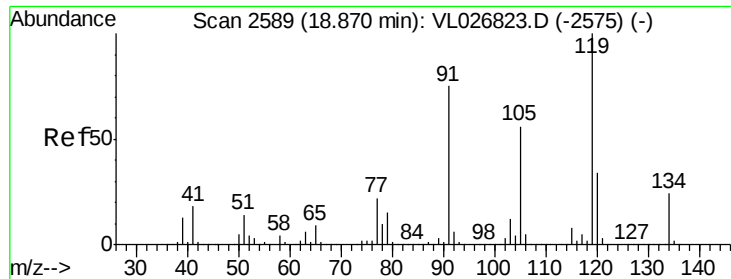
Tgt Ion:120 Resp: 1901310

Ion Ratio Lower Upper

120 100

91 447.6 363.0 544.6

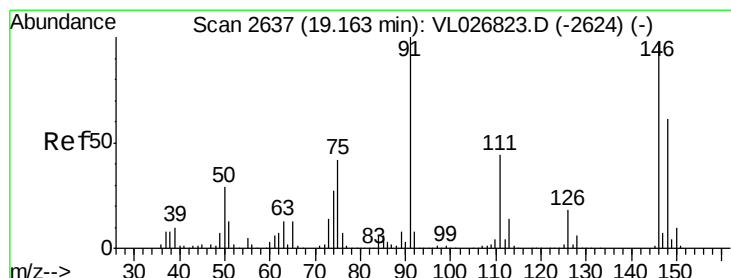
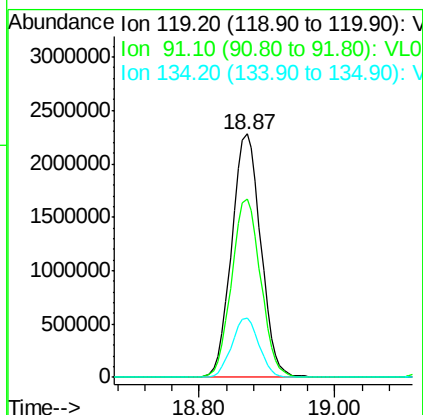
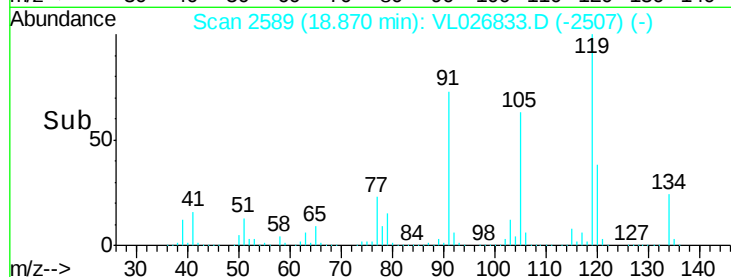
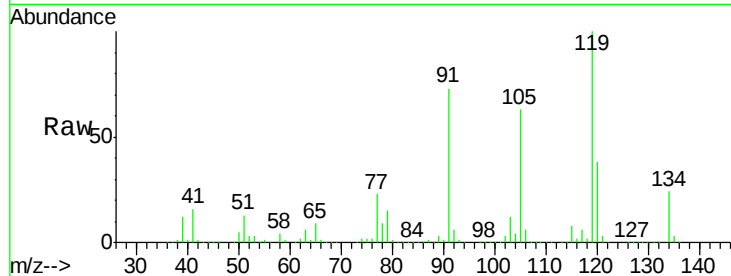




#65
 tert-Butylbenzene
 Concen: 9.10 ppbv
 RT: 18.87 min Scan# 2589
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

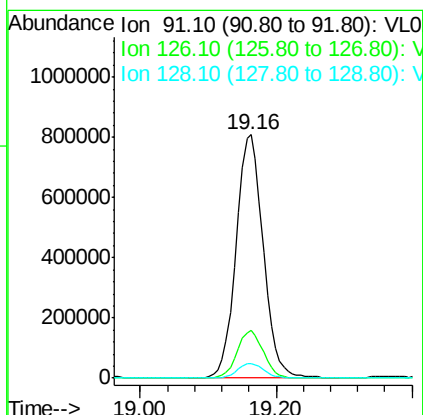
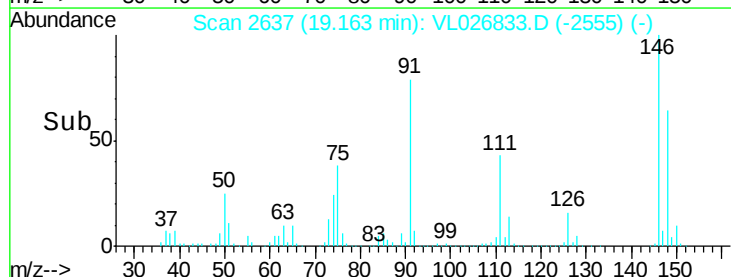
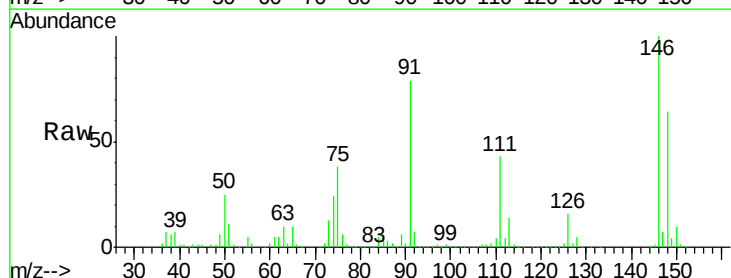
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

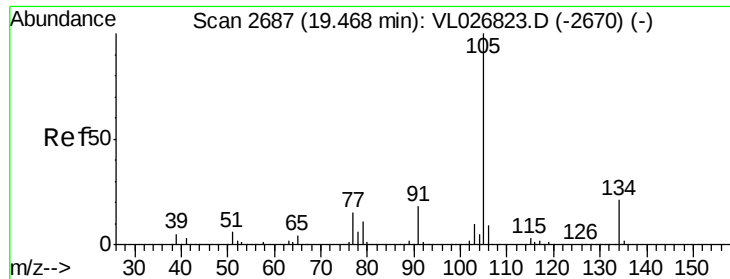
Tgt Ion: 119 Resp: 6766932
 Ion Ratio Lower Upper
 119 100
 91 73.7 61.5 92.3
 134 23.0 17.9 26.9



#66
 Benzyl Chloride
 Concen: 9.26 ppbv
 RT: 19.16 min Scan# 2637
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 91 Resp: 2234696
 Ion Ratio Lower Upper
 91 100
 126 19.0 14.6 21.8
 128 6.1 4.6 6.8

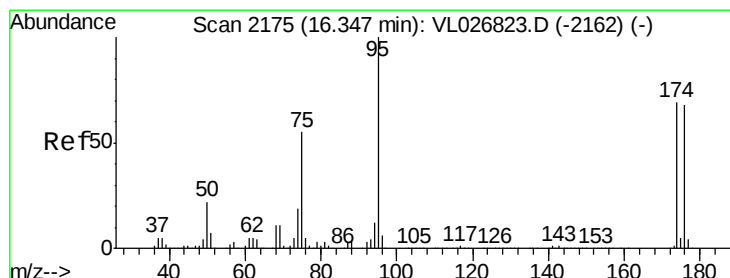
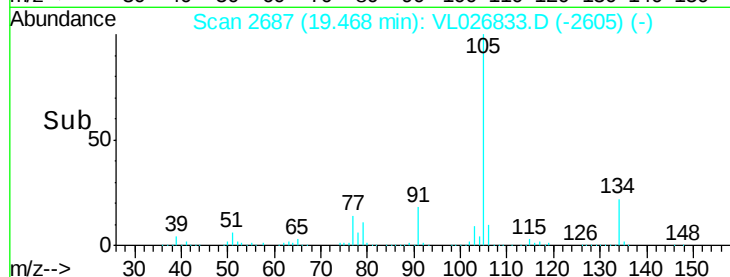
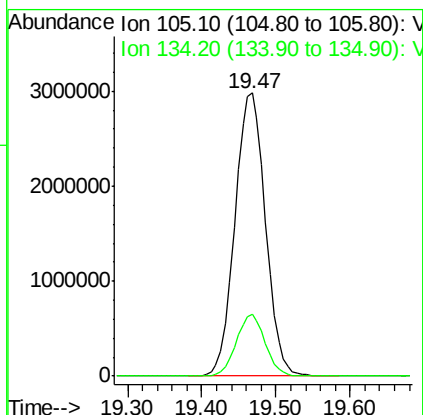
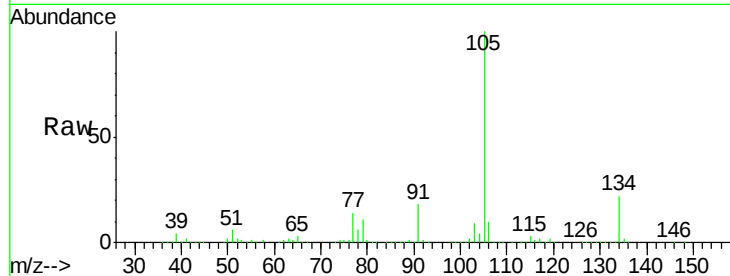




#67
 sec-Butylbenzene
 Concen: 8.83 ppbv
 RT: 19.47 min Scan# 2687
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

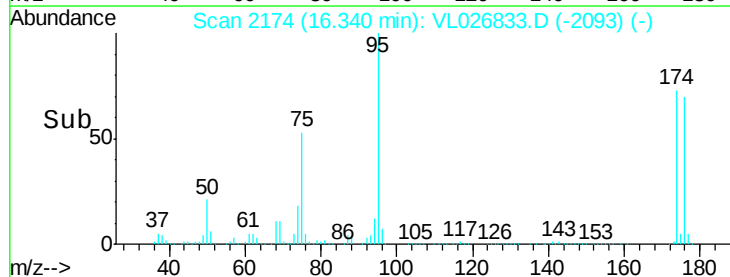
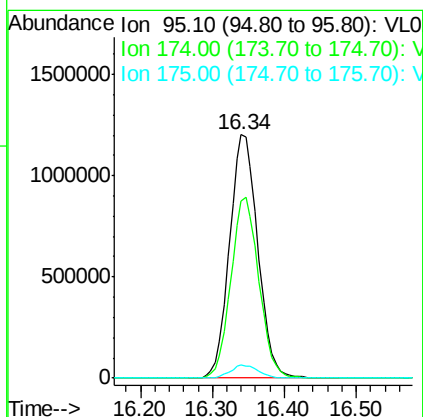
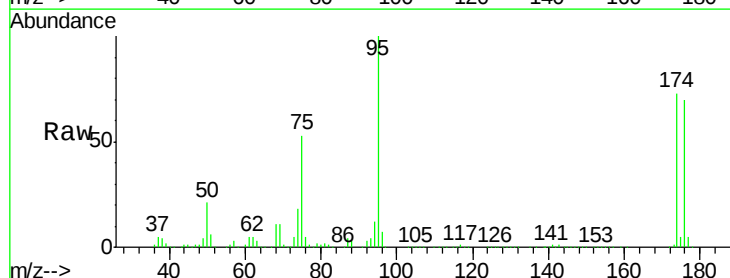
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

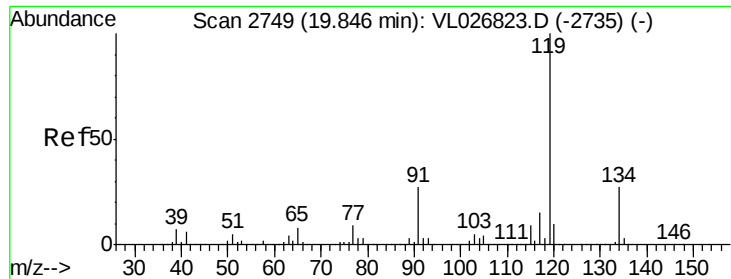
Tgt Ion: 105 Resp: 8550897
 Ion Ratio Lower Upper
 105 100
 134 20.7 16.1 24.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.64 ppbv
 RT: 16.34 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 95 Resp: 3278761
 Ion Ratio Lower Upper
 95 100
 174 0.0 55.6 83.4#
 175 5.2 3.9 5.9

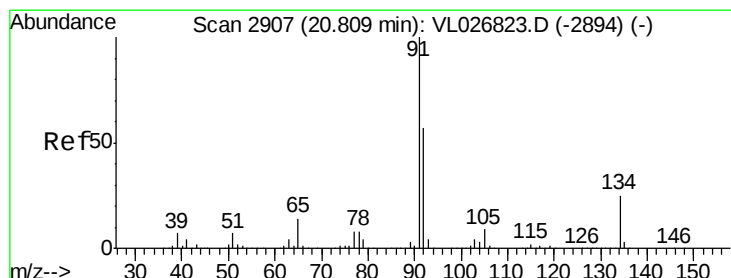
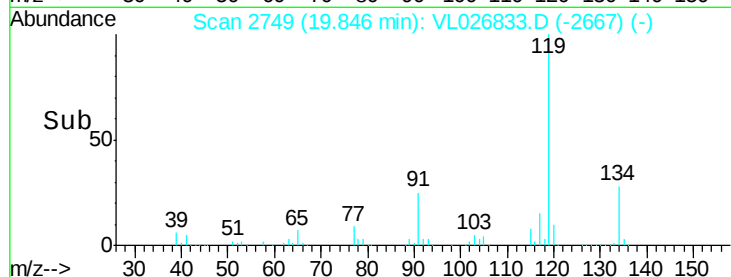
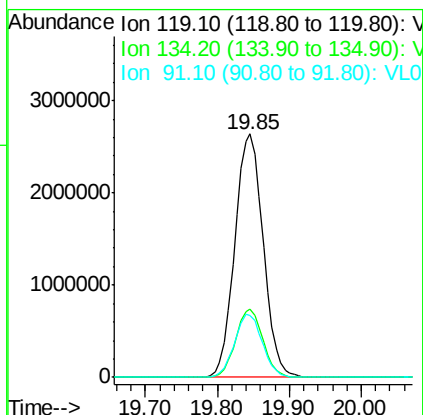
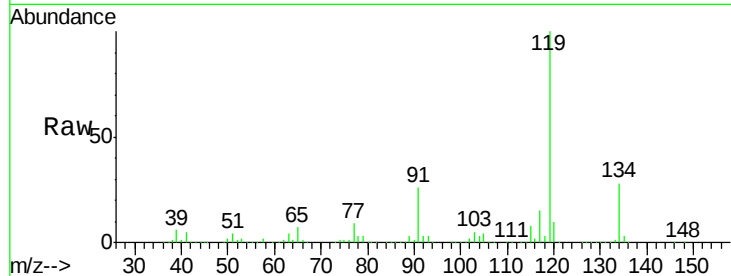




#69
 p-Isopropyltoluene
 Concen: 9.19 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

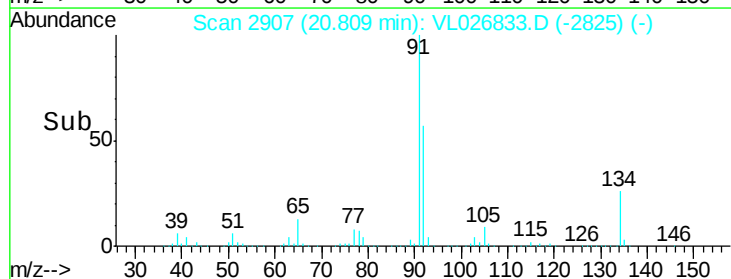
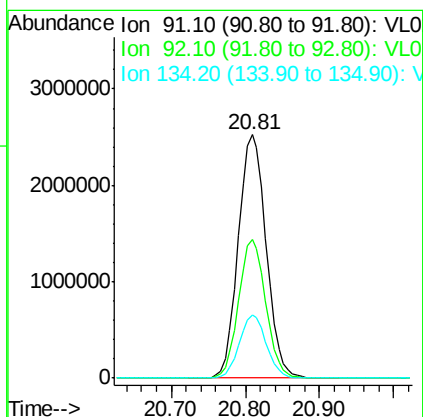
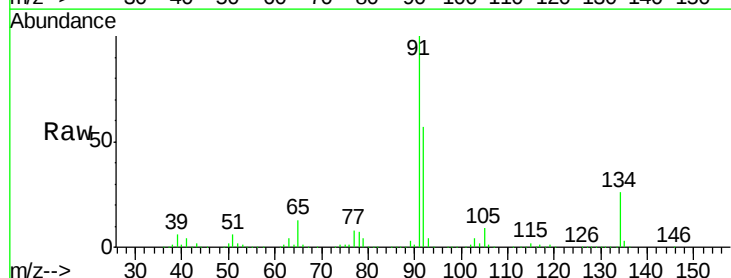
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

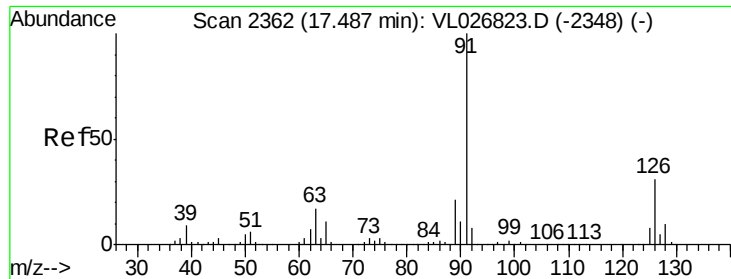
Tgt Ion: 119 Resp: 7207227
 Ion Ratio Lower Upper
 119 100
 134 27.1 21.3 31.9
 91 25.5 21.5 32.3



#70
 n-Butylbenzene
 Concen: 8.88 ppbv
 RT: 20.81 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 91 Resp: 6642027
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.2 66.4
 134 25.1 19.3 28.9

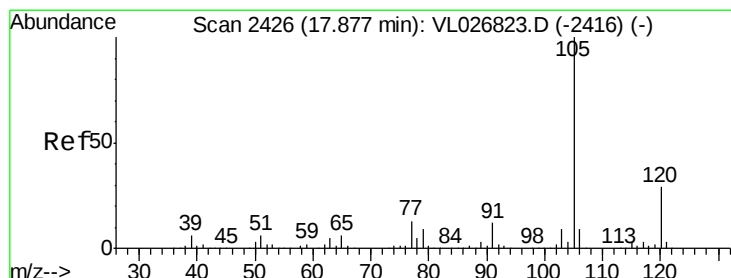
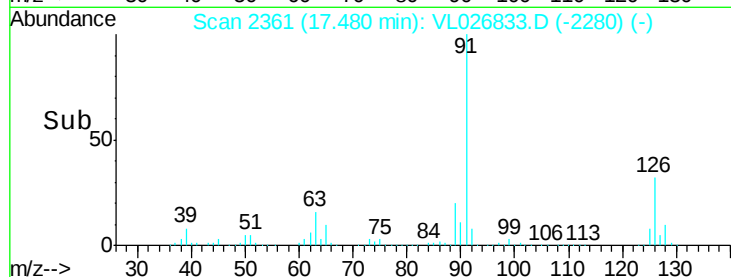
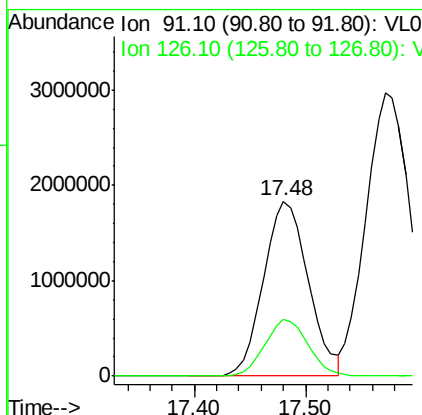
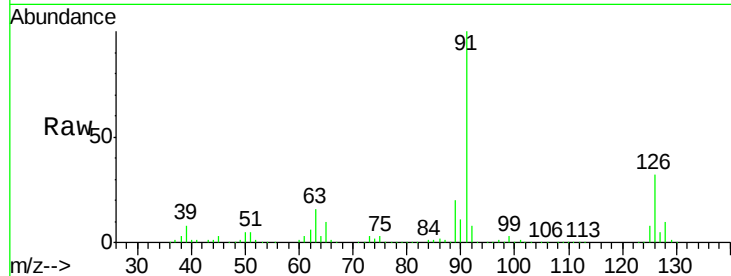




#71
 2-Chlorotoluene
 Concen: 9.30 ppbv
 RT: 17.48 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

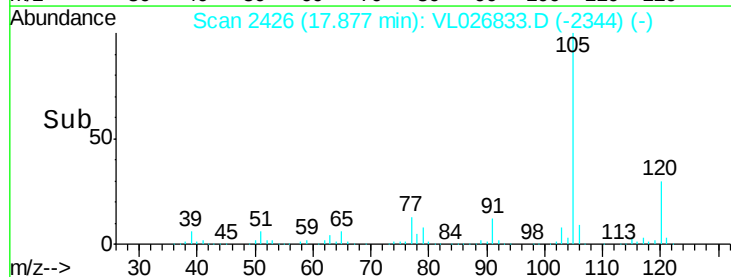
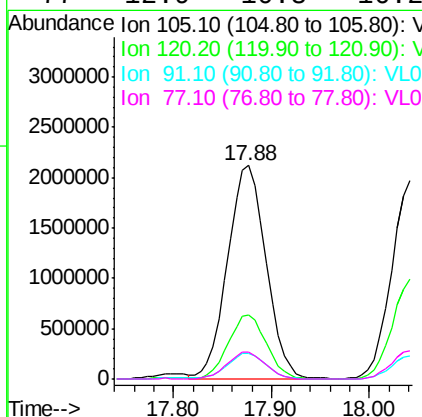
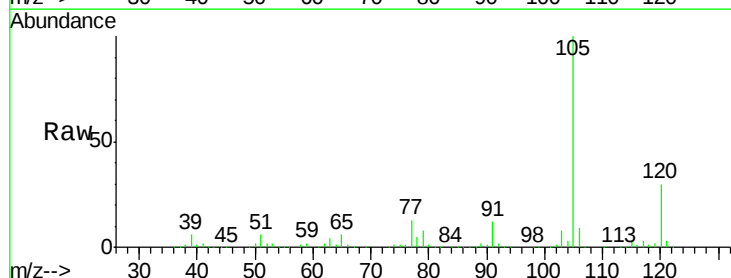
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

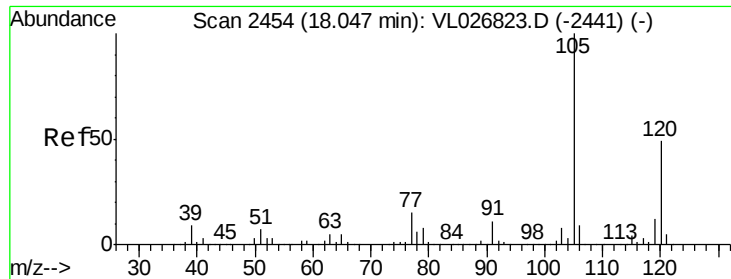
Tgt Ion: 91 Resp: 5124283
 Ion Ratio Lower Upper
 91 100
 126 31.6 12.2 48.8



#72
 4-Ethyltoluene
 Concen: 9.37 ppbv
 RT: 17.88 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Tgt Ion: 105 Resp: 5800596
 Ion Ratio Lower Upper
 105 100
 120 30.3 23.8 35.6
 91 12.2 10.2 15.4
 77 12.9 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 9.02 ppbv

RT: 18.04 min Scan# 2453

Delta R.T. -0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

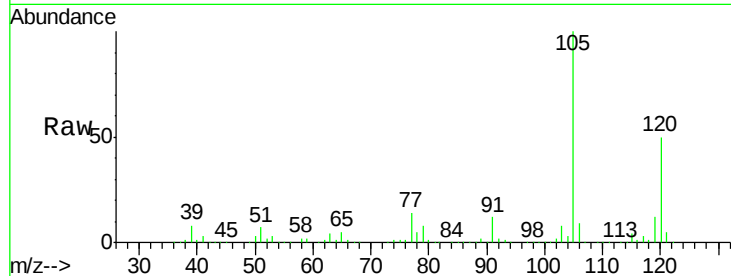
VL0209ABS01

Tgt Ion:105 Resp: 5441402

Ion Ratio Lower Upper

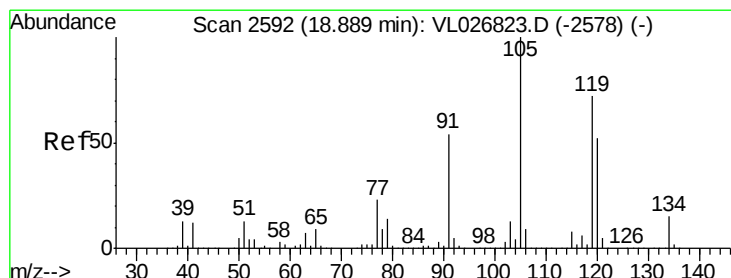
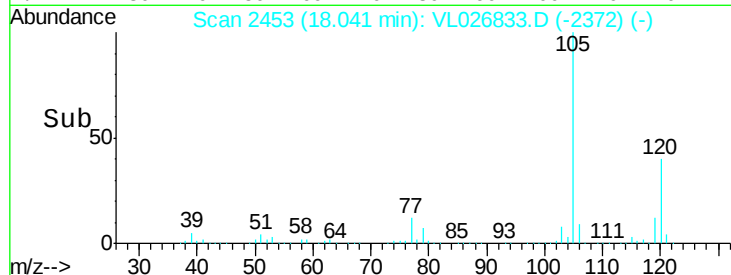
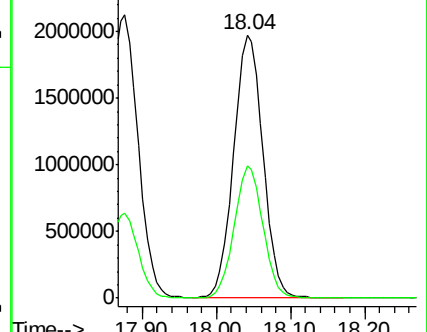
105 100

120 50.4 39.4 59.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.76 ppbv

RT: 18.89 min Scan# 2592

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Tgt Ion:105 Resp: 6007251

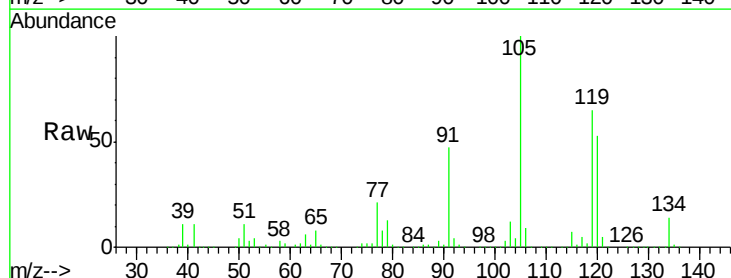
Ion Ratio Lower Upper

105 100

120 52.7 41.3 61.9

91 47.4 43.3 64.9

77 21.0 18.3 27.5

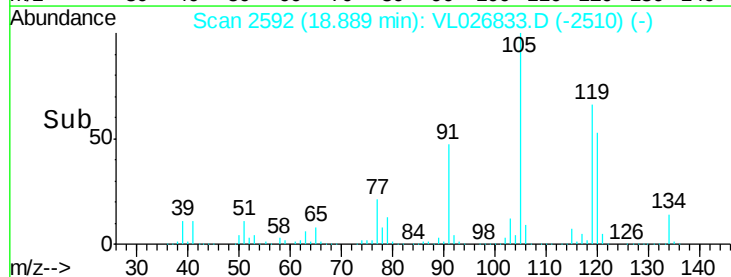
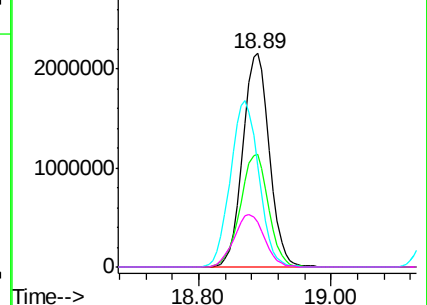


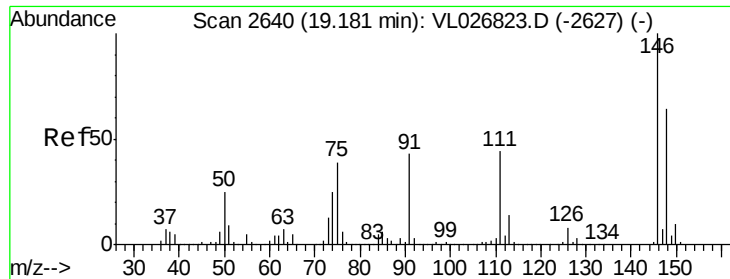
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.73 ppbv

RT: 19.18 min Scan# 2639

Delta R.T. -0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

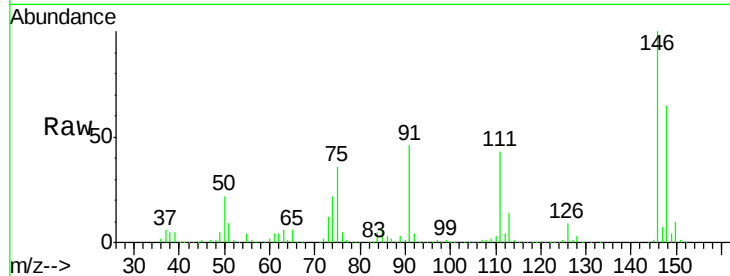
Tgt Ion:146 Resp: 3627979

Ion Ratio Lower Upper

146 100

111 42.5 22.1 66.3

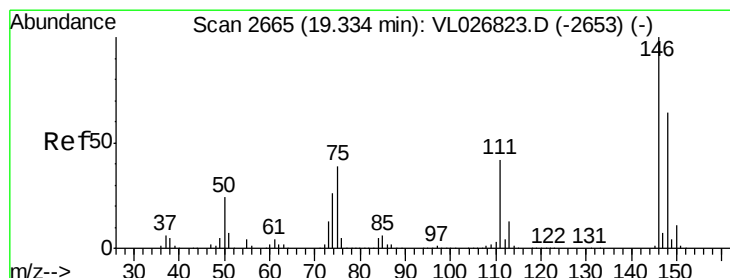
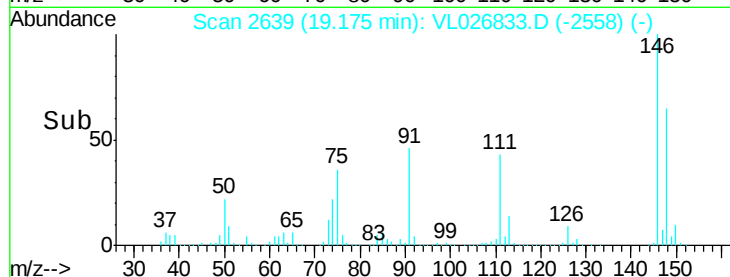
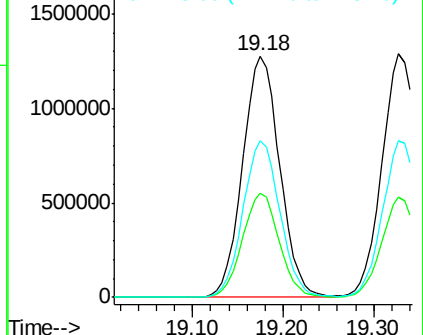
148 64.6 32.2 96.6



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: 8.91 ppbv

RT: 19.33 min Scan# 2664

Delta R.T. -0.01 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

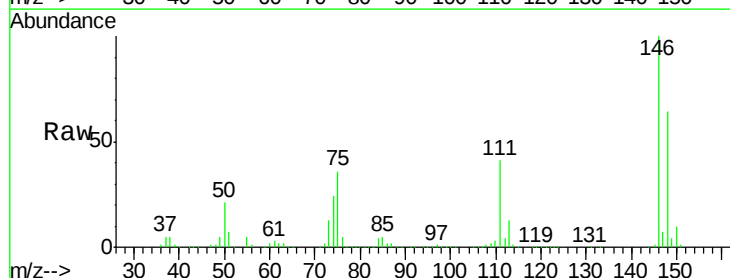
Tgt Ion:146 Resp: 3620097

Ion Ratio Lower Upper

146 100

111 41.0 21.6 64.8

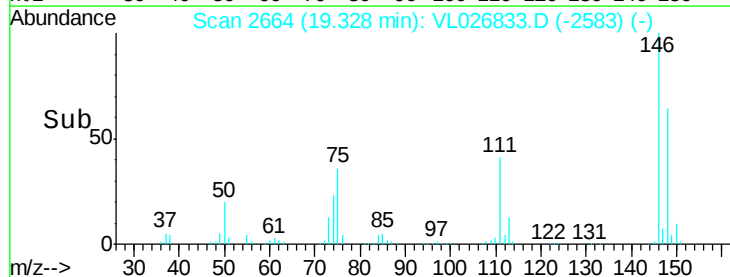
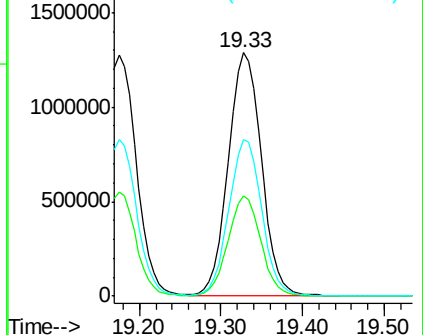
148 64.6 32.2 96.6

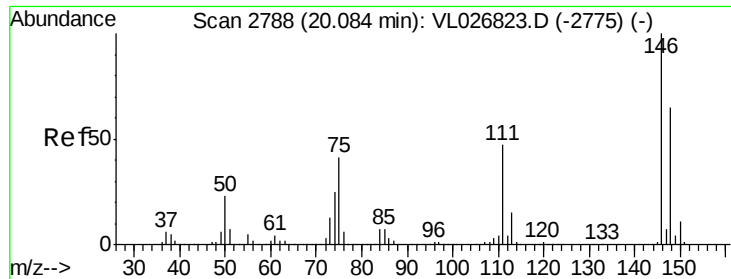


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.65 ppbv

RT: 20.08 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABS01

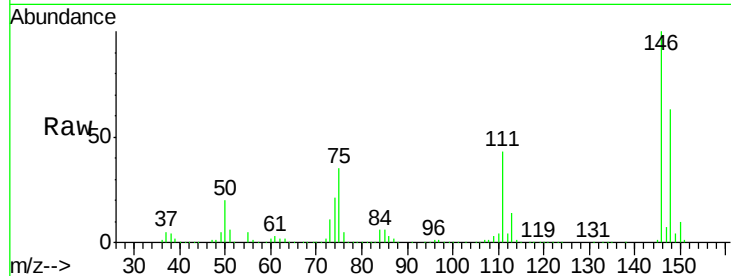
Tgt Ion:146 Resp: 3416153

Ion Ratio Lower Upper

146 100

111 44.2 23.1 69.3

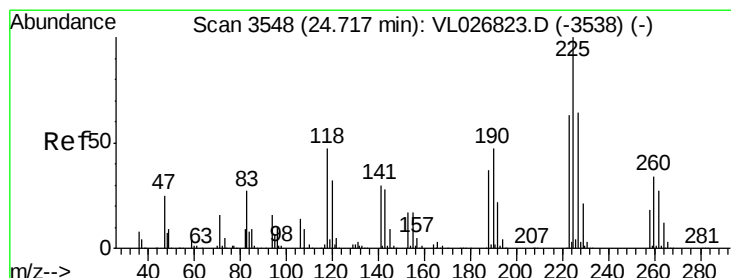
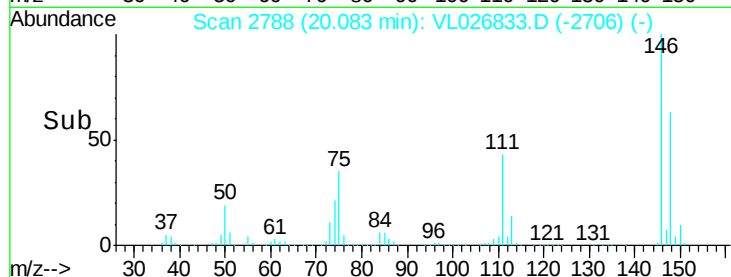
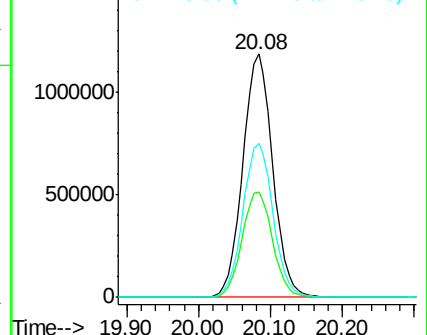
148 64.0 32.1 96.5



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: 7.90 ppbv

RT: 24.72 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VL026833.D

Acq: 10 Feb 2016 00:06

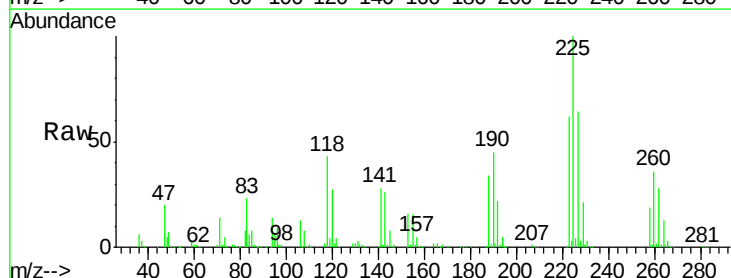
Tgt Ion:225 Resp: 1483504

Ion Ratio Lower Upper

225 100

223 62.6 50.2 75.2

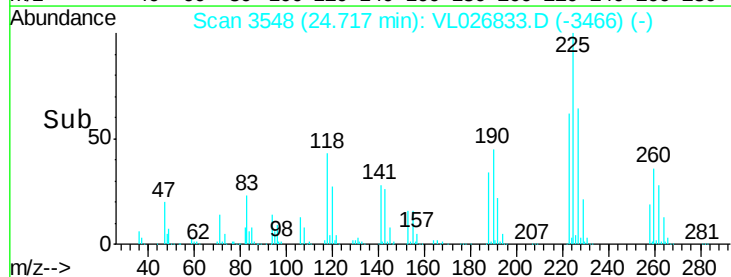
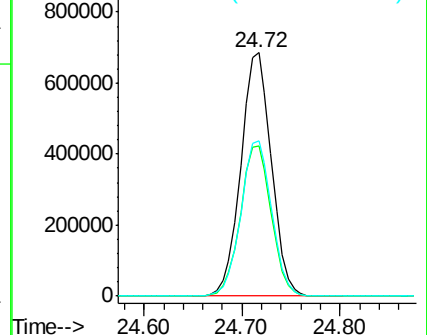
227 64.3 52.1 78.1

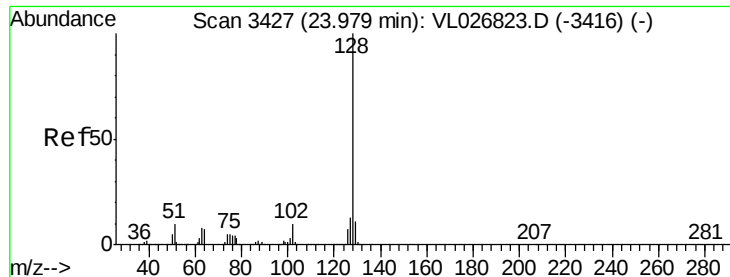


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

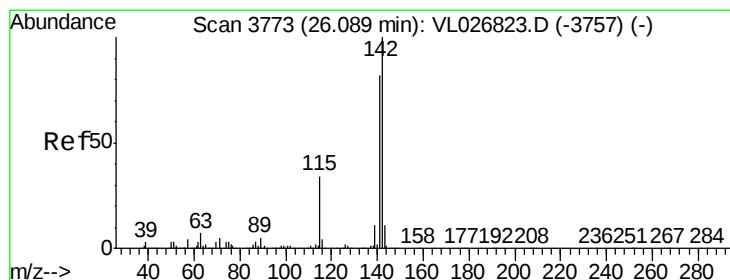
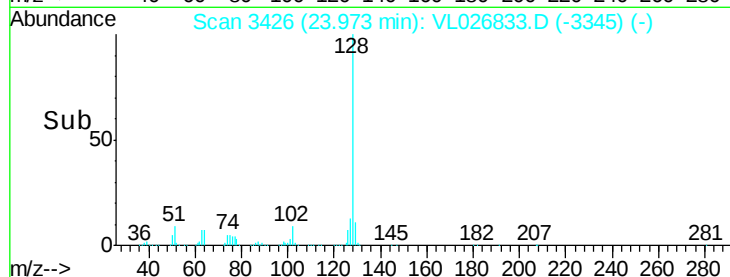
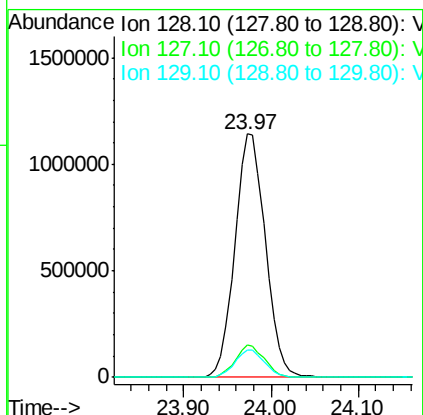
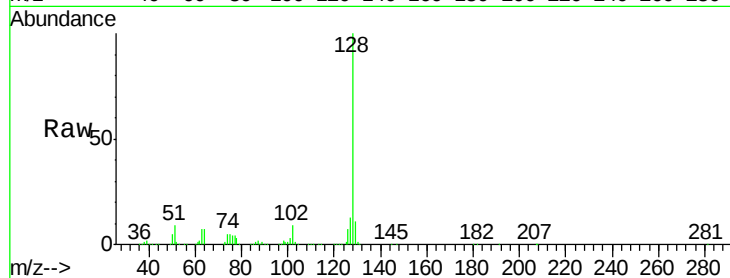




#79
Naphthalene
Concen: 8.41 ppbv
RT: 23.97 min Scan# 3426
Delta R.T. -0.01 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

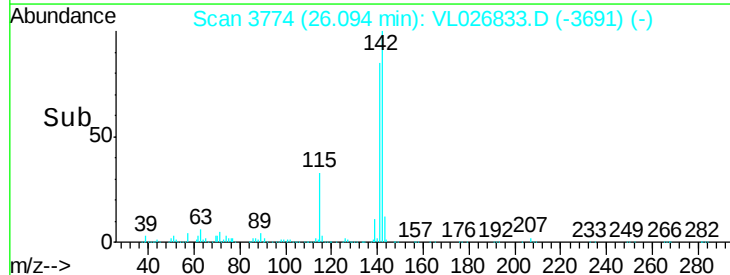
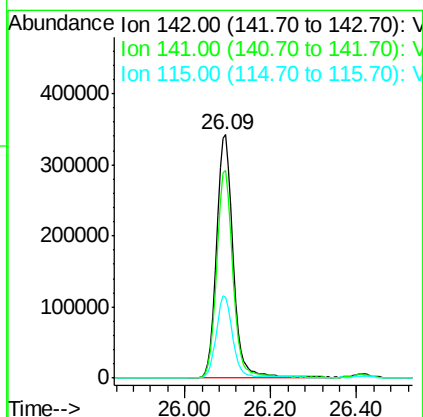
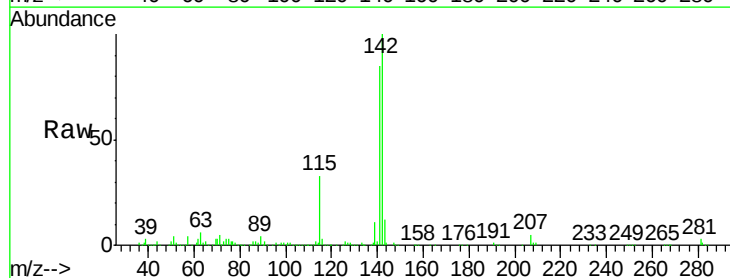
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABS01

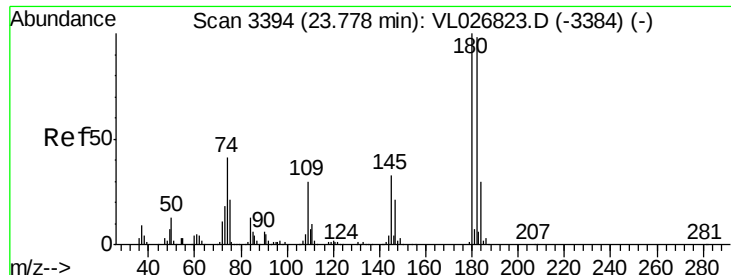
Tgt Ion:128 Resp: 2771578
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.2 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 7.10 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026833.D
Acq: 10 Feb 2016 00:06

Tgt Ion:142 Resp: 950554
Ion Ratio Lower Upper
142 100
141 84.1 67.2 100.8
115 33.9 27.5 41.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.30 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VL026833.D
 Acq: 10 Feb 2016 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

Tgt Ion:180 Resp: 1479008
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.3 115.9
 184 30.3 24.5 36.7

