

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026826.D
 Acq On : 9 Feb 2016 18:51
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Feb 10 02:09:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1632222	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	4390847	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4046165	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	2994100	8.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.67	85	195200	0.38	ppbv	93
3) Chlorodifluoromethane	3.60	51	191917	0.61	ppbv	97
4) Chloromethane	3.78	50	56086	0.58	ppbv	97
5) Vinyl Chloride	3.92	62	56962	0.50	ppbv	97
6) Bromomethane	4.18	94	51500	0.52	ppbv	98
7) Chloroethane	4.27	64	26620	0.50	ppbv	97
8) Dichlorotetrafluoroethane	3.83	85	166679	0.44	ppbv	99
9) Propene	3.62	41	35181	0.55	ppbv	99
10) Heptane	9.39	43	105055	0.43	ppbv	99
11) Trichlorofluoromethane	4.73	101	221170	0.37	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	152524	0.44	ppbv	99
13) Ethanol	4.36	45	261	0.02	ppbv #	36
14) Bromoethene	4.48	108	53296	0.47	ppbv	99
15) Acetone	4.66	43	131560	0.34	ppbv #	71
16) 1,3-Butadiene	4.00	39	44453	0.42	ppbv	92
17) tert-Butyl alcohol	5.21	59	61887	0.30	ppbv	99
18) 1,1-Dichloroethene	5.12	96	61152	0.45	ppbv	99
19) Isopropyl Alcohol	4.83	45	34772	0.34	ppbv #	92
20) Methylene Chloride	5.18	84	63185	0.51	ppbv	98
21) Allyl Chloride	5.26	41	71797	0.44	ppbv	90
22) trans-1,2-Dichloroethene	5.80	96	53845	0.42	ppbv	94
23) Vinyl Acetate	6.03	43	135783	0.33	ppbv #	94
24) 1,1-Dichloroethane	5.94	63	123286	0.43	ppbv	98
25) Ethyl Acetate	6.73	43	119274	0.32	ppbv #	90
26) Hexane	6.70	57	87867	0.47	ppbv	90
27) Carbon Disulfide	5.43	76	158917	0.42	ppbv #	89
28) Methyl tert-Butyl Ether	6.01	73	130284	0.31	ppbv	97
29) Chloroform	6.78	83	150658	0.36	ppbv	97
30) Cyclohexane	8.33	84	66048	0.34	ppbv #	26
31) cis-1,2-Dichloroethene	6.56	61	69820	0.34	ppbv	99
32) 1,1,1-Trichloroethane	7.63	97	136834	0.29	ppbv	98
34) 2-Butanone	6.26	43	102365	0.50	ppbv	99
35) Carbon Tetrachloride	8.20	117	146154	0.34	ppbv	94
36) Benzene	8.06	78	156239	0.42	ppbv	97
37) 1,2-Dichloroethane	7.41	62	106763	0.34	ppbv	98
38) Trichloroethene	9.10	130	70141	0.40	ppbv	96
39) 1,2-Dichloropropane	8.86	63	64555	0.52	ppbv	95
40) 1,4-Dioxane	9.24	88	6047	0.20	ppbv #	1
41) Tetrahydrofuran	7.21	42	40420	0.44	ppbv	97
42) Bromodichloromethane	9.06	83	133760	0.33	ppbv	98
43) Methyl Methacrylate	9.31	69	44591	0.31	ppbv	95

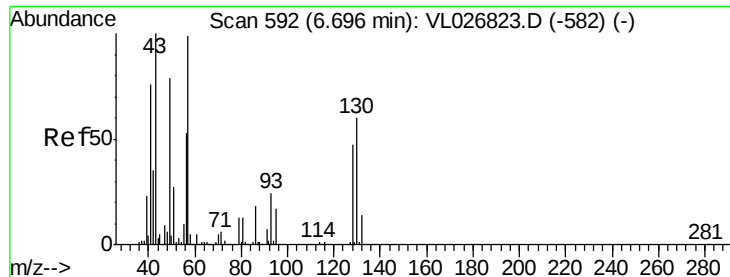
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026826.D
 Acq On : 9 Feb 2016 18:51
 Operator : SY/AP
 Sample : VSTDIC0.5
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Feb 10 02:09:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	258199	0.44	ppbv	94
45) t-1,3-Dichloropropene	10.70	75	55069	0.22	ppbv	99
46) cis-1,3-Dichloropropene	10.06	75	69932	0.27	ppbv	97
47) 1,1,2-Trichloroethane	10.92	97	66935	0.34	ppbv	98
48) Dibromochloromethane	11.84	129	96053	0.26	ppbv	99
49) Bromoform	14.85	173	66272	0.21	ppbv	99
50) 4-Methyl-2-Pentanone	10.15	43	94574	0.33	ppbv	98
51) 2-Hexanone	11.70	43	65487	0.24	ppbv #	95
52) Tetrachloroethene	12.83	164	58872	0.28	ppbv	95
53) Toluene	11.28	91	142773	0.26	ppbv	100
54) 1,2-Dibromoethane	12.18	107	91853	0.28	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.83	131	82755	0.39	ppbv #	1
57) Chlorobenzene	13.85	112	160809	0.39	ppbv	98
58) Ethyl Benzene	14.46	91	184458	0.28	ppbv	95
59) m/p-Xylene	14.76	91	348778	0.60	ppbv	97
60) o-Xylene	15.53	91	189798	0.30	ppbv	100
61) Styrene	15.36	104	45848	0.20	ppbv	97
62) Isopropylbenzene	16.59	105	232392	0.28	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.52	83	144551	0.35	ppbv	99
64) n-propylbenzene	17.57	120	56233	0.24	ppbv	80
65) tert-Butylbenzene	18.86	119	191550	0.23	ppbv	97
66) Benzyl Chloride	19.16	91	53943	0.17	ppbv	96
67) sec-Butylbenzene	19.46	105	269695	0.22	ppbv	96
69) p-Isopropyltoluene	19.83	119	193598	0.19	ppbv	98
70) n-Butylbenzene	20.80	91	179168	0.17	ppbv	95
71) 2-Chlorotoluene	17.47	91	134534	0.21	ppbv	100
72) 4-Ethyltoluene	17.87	105	147580	0.20	ppbv #	97
73) 1,3,5-Trimethylbenzene	18.04	105	154577	0.22	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	185777	0.23	ppbv	94
75) 1,3-Dichlorobenzene	19.16	146	119134	0.23	ppbv	100
76) 1,4-Dichlorobenzene	19.32	146	113592	0.22	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	115232	0.21	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	60469	0.23	ppbv	99
79) Naphthalene	23.98	128	81594	0.12	ppbv	99
80) Naphthalene,2-methyl-	26.10	142	42948	0.36	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	47624	0.16	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026826.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

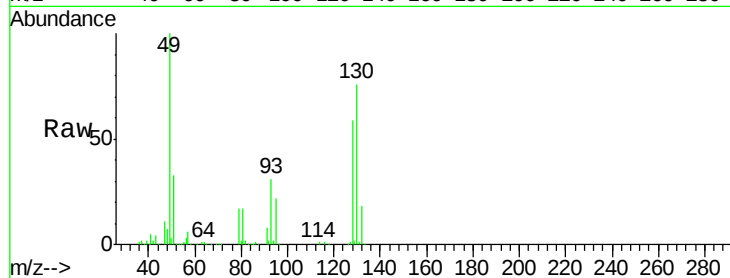
Tgt Ion: 49 Resp: 1632222

Ion Ratio Lower Upper

49 100

128 58.2 29.7 89.1

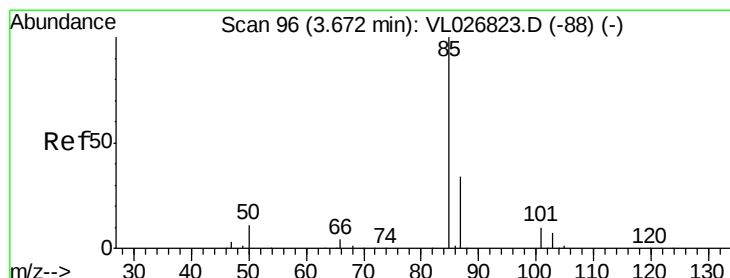
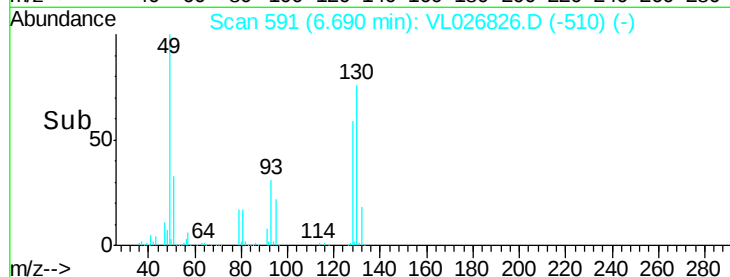
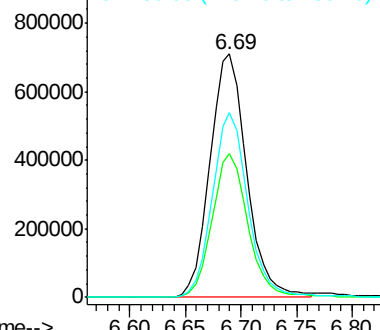
130 74.5 38.3 114.8



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: 0.38 ppbv

RT: 3.67 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL026826.D

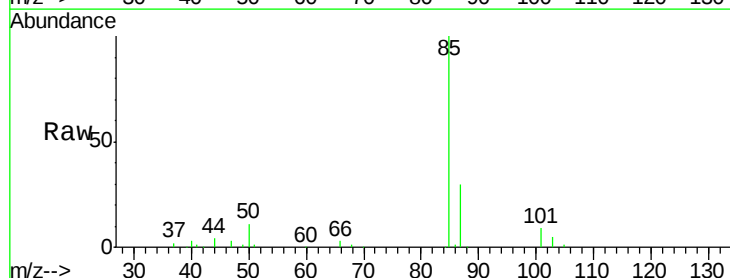
Acq: 9 Feb 2016 18:51

Tgt Ion: 85 Resp: 195200

Ion Ratio Lower Upper

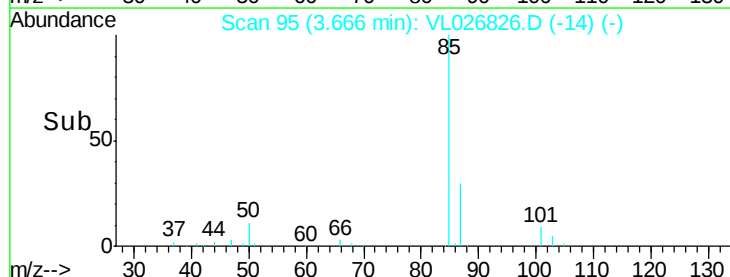
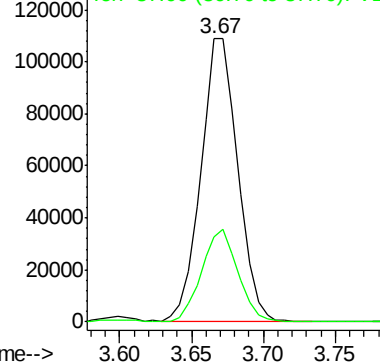
85 100

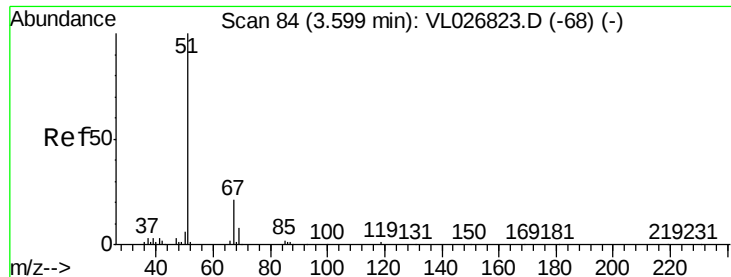
87 30.1 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.61 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

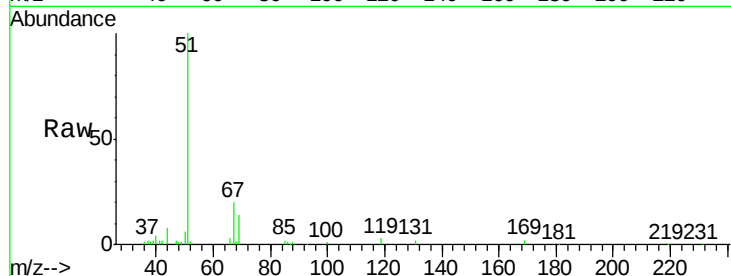
VSTDIC0.5

Tgt Ion: 51 Resp: 191917

Ion Ratio Lower Upper

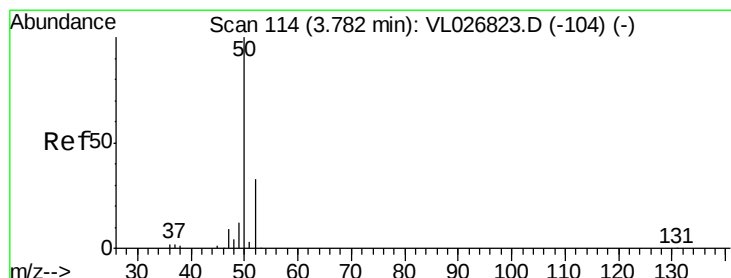
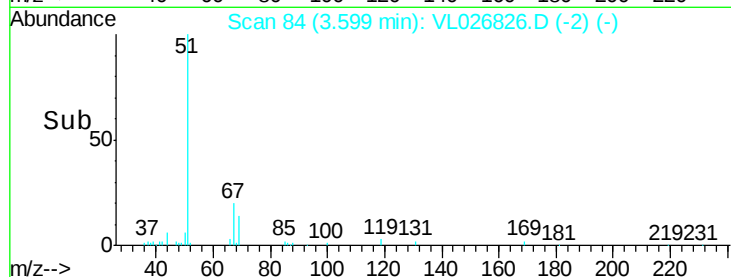
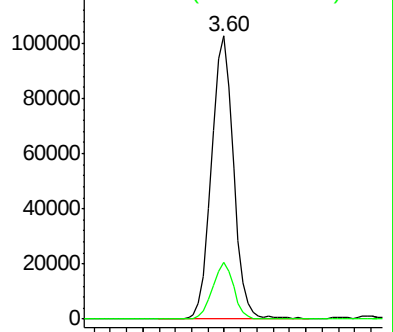
51 100

67 19.2 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: 0.58 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026826.D

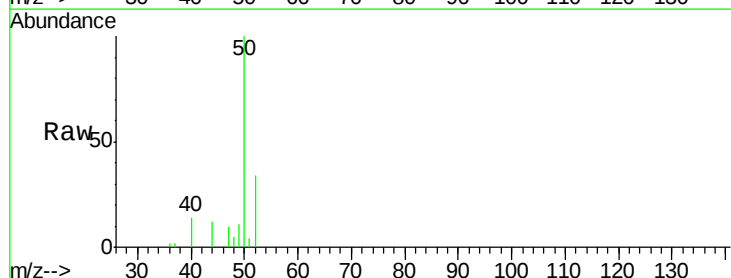
Acq: 9 Feb 2016 18:51

Tgt Ion: 50 Resp: 56086

Ion Ratio Lower Upper

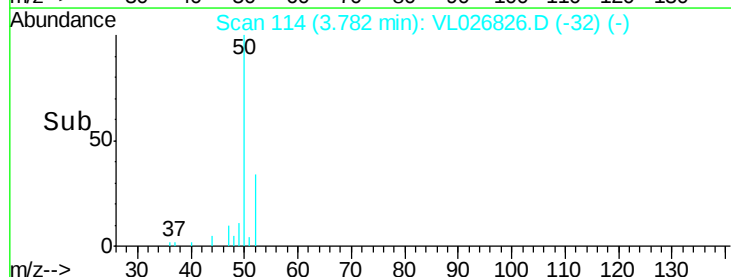
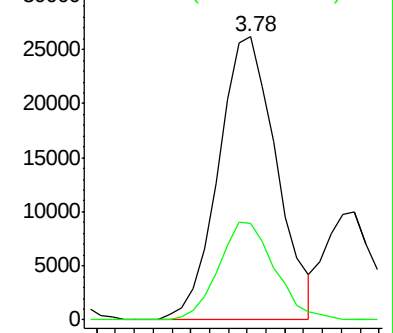
50 100

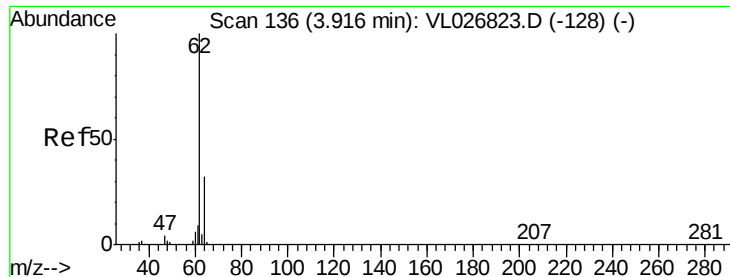
52 34.3 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.50 ppbv

RT: 3.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

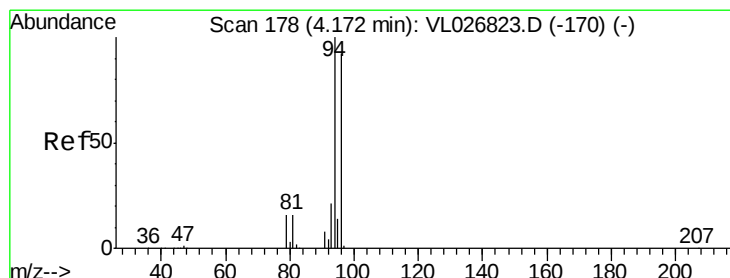
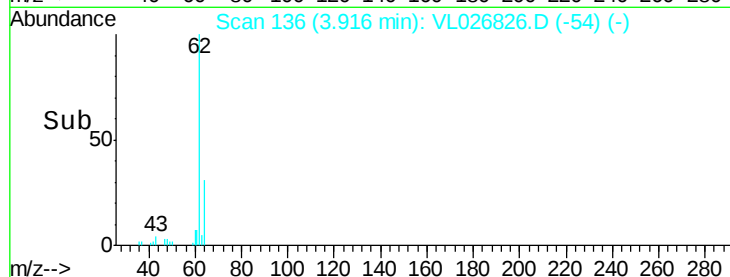
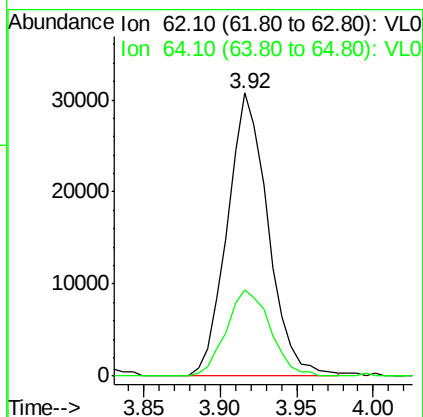
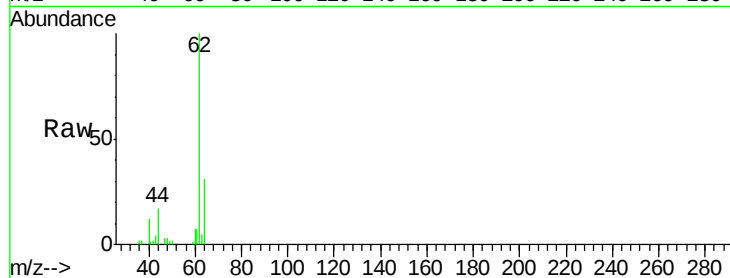
VSTDIC0.5

Tgt Ion: 62 Resp: 56962

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.6



#6

Bromomethane

Concen: 0.52 ppbv

RT: 4.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL026826.D

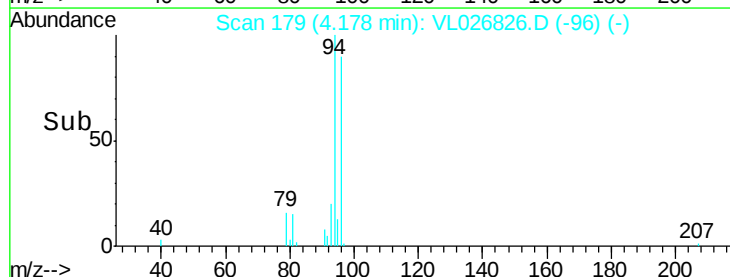
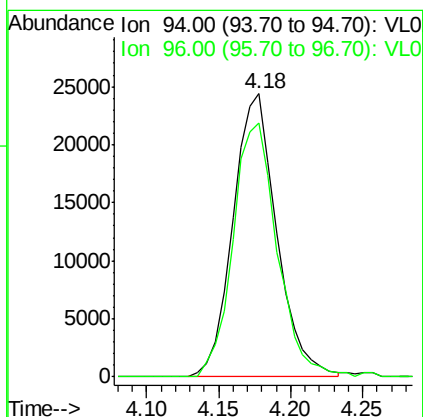
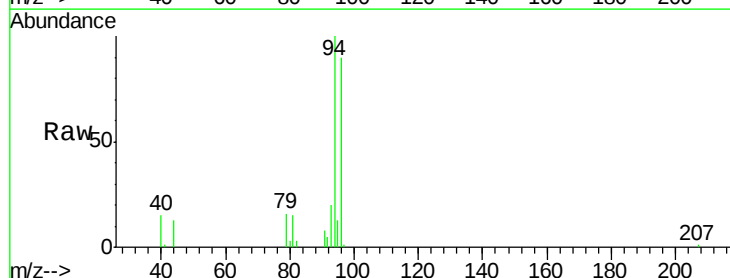
Acq: 9 Feb 2016 18:51

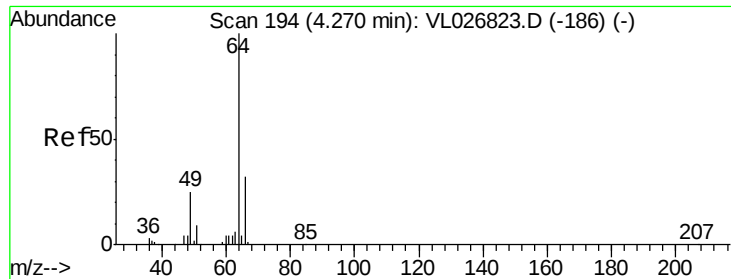
Tgt Ion: 94 Resp: 51500

Ion Ratio Lower Upper

94 100

96 89.8 73.2 109.8





#7

Chloroethane

Concen: 0.50 ppbv

RT: 4.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

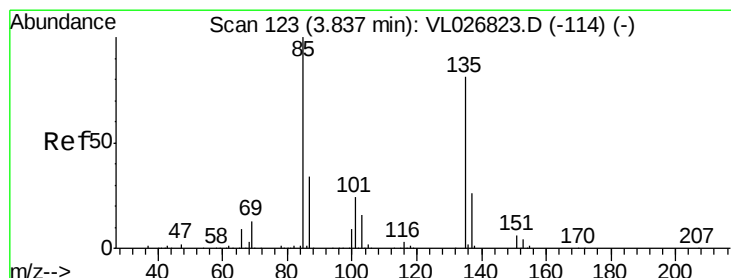
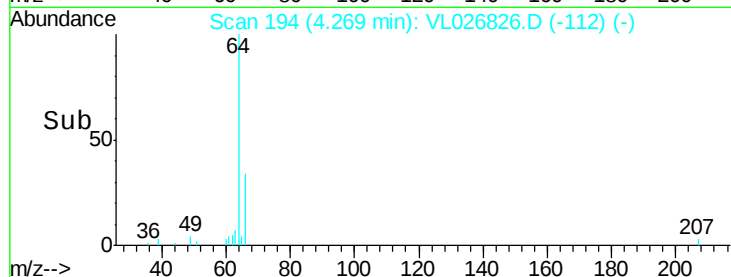
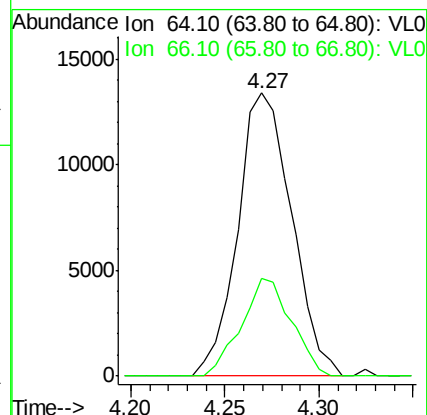
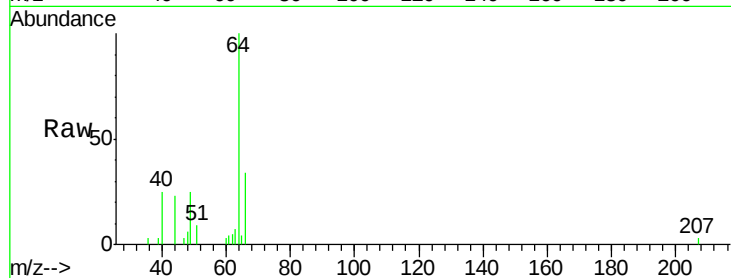
VSTDIC0.5

Tgt Ion: 64 Resp: 26620

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 0.44 ppbv

RT: 3.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL026826.D

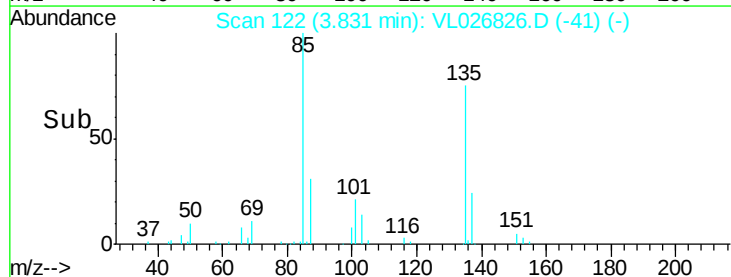
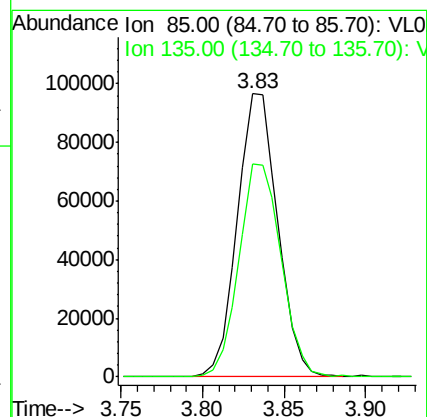
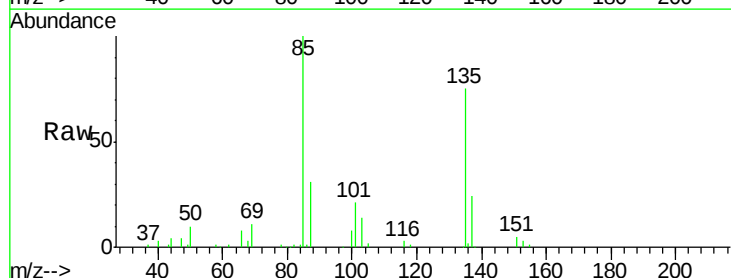
Acq: 9 Feb 2016 18:51

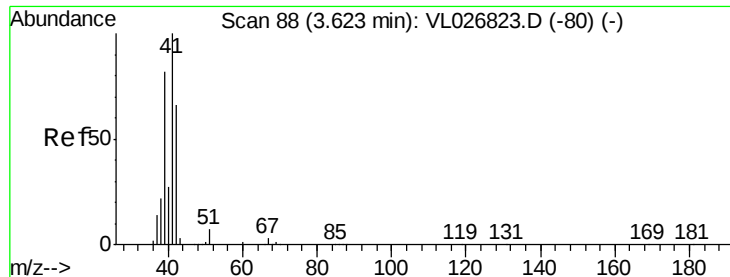
Tgt Ion: 85 Resp: 166679

Ion Ratio Lower Upper

85 100

135 78.3 63.2 94.8





#9

Propene

Concen: 0.55 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

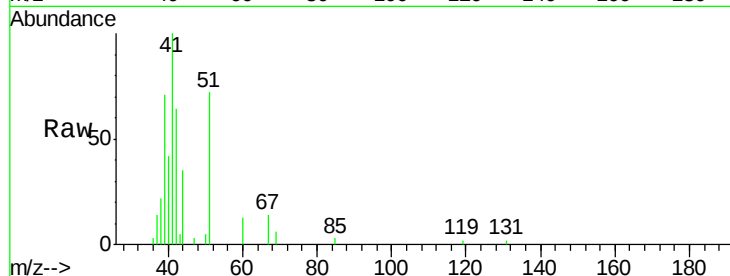
VSTDIC0.5

Tgt Ion: 41 Resp: 35181

Ion Ratio Lower Upper

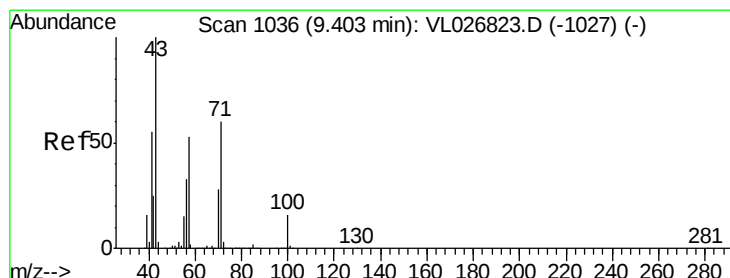
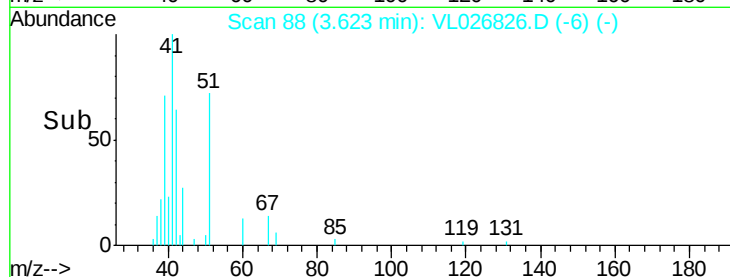
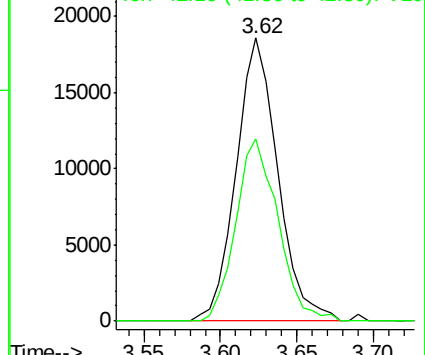
41 100

42 65.2 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: 0.43 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026826.D

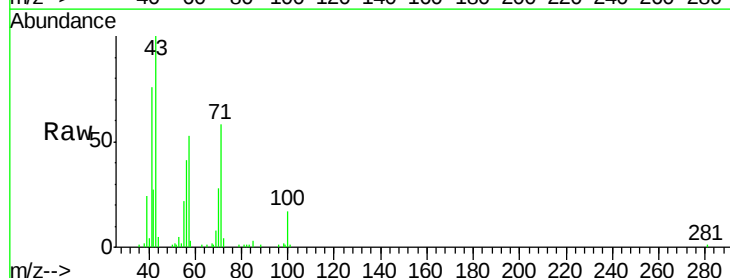
Acq: 9 Feb 2016 18:51

Tgt Ion: 43 Resp: 105055

Ion Ratio Lower Upper

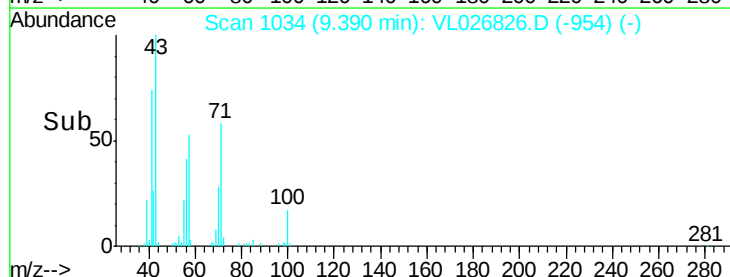
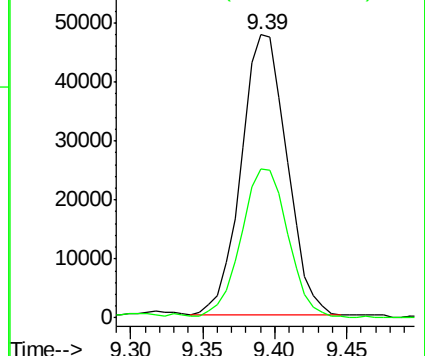
43 100

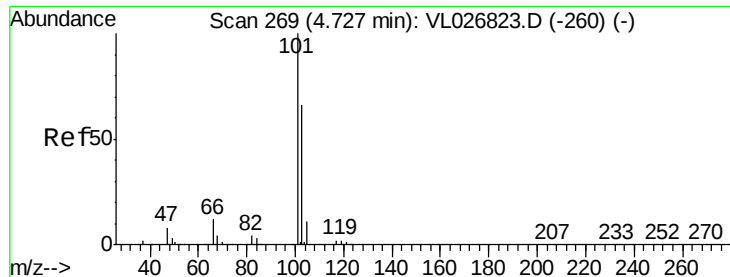
57 55.5 44.0 66.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

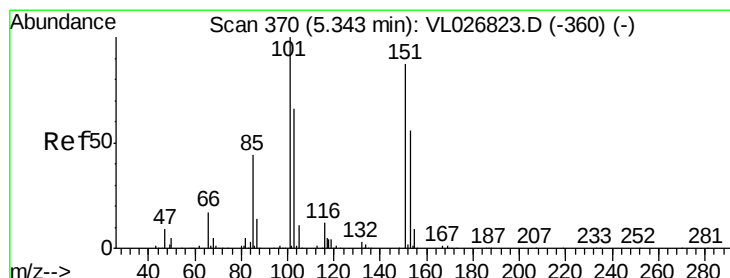
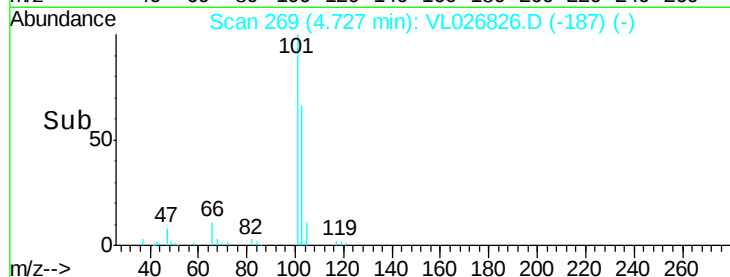
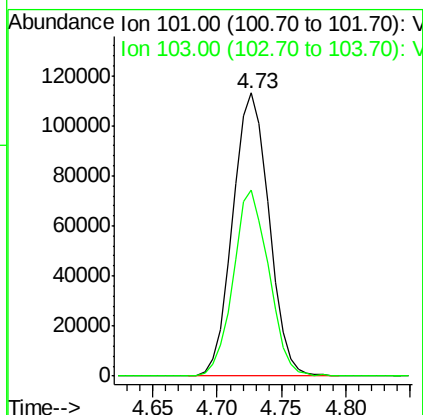
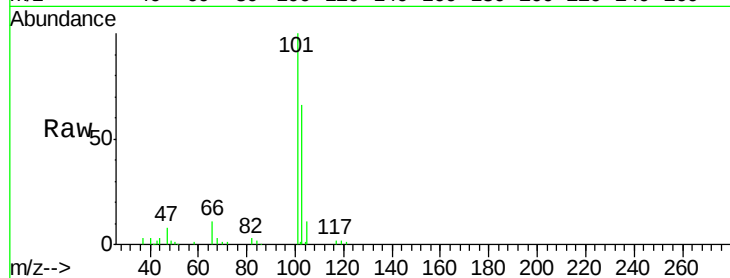




#11
 Trichlorofluoromethane
 Concen: 0.37 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

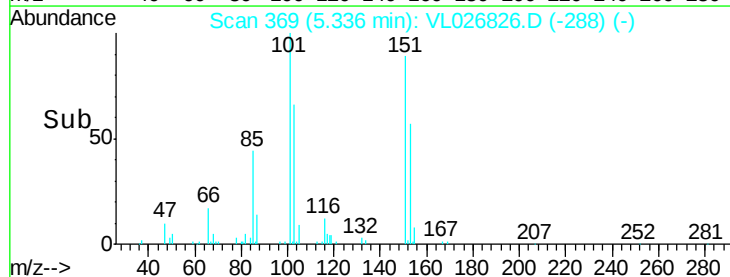
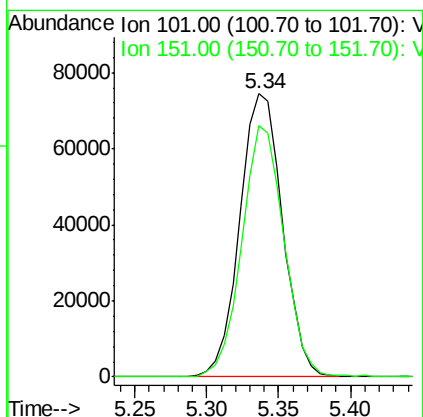
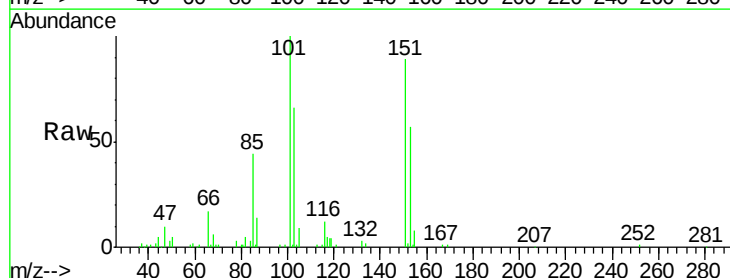
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

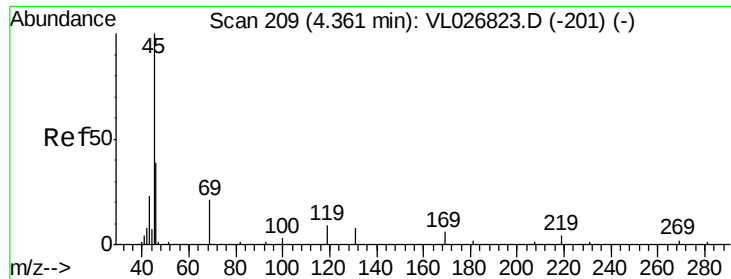
Tgt Ion:101 Resp: 221170
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.44 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion:101 Resp: 152524
 Ion Ratio Lower Upper
 101 100
 151 87.4 69.4 104.0





#13

Ethanol

Concen: 0.02 ppbv

RT: 4.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

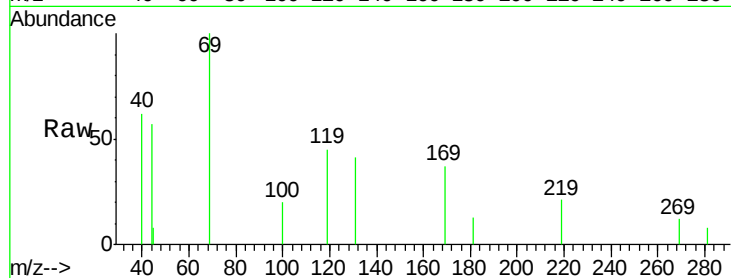
VSTDIC0.5

Tgt Ion: 45 Resp: 261

Ion Ratio Lower Upper

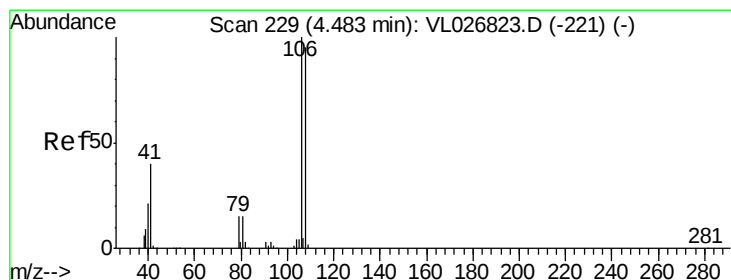
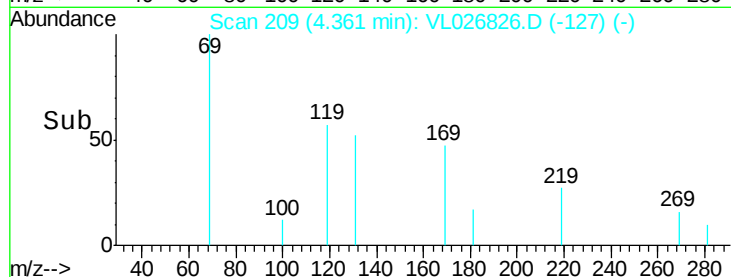
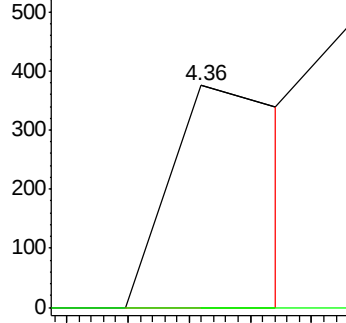
45 100

46 0.0 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: 0.47 ppbv

RT: 4.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

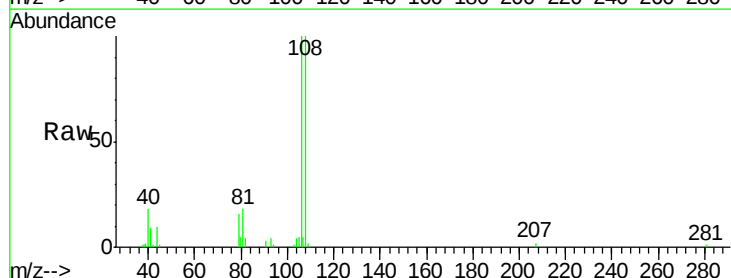
Tgt Ion: 108 Resp: 53296

Ion Ratio Lower Upper

108 100

106 104.9 84.6 126.8

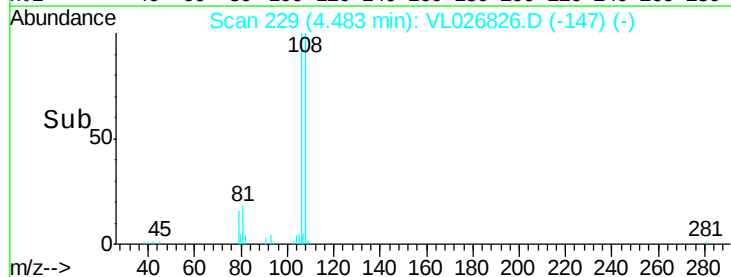
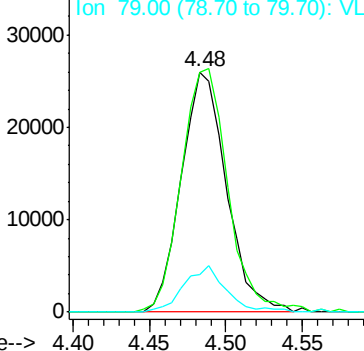
79 18.3 13.4 20.0

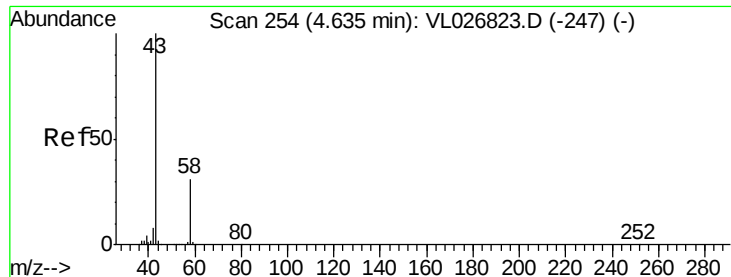


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.34 ppbv

RT: 4.66 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

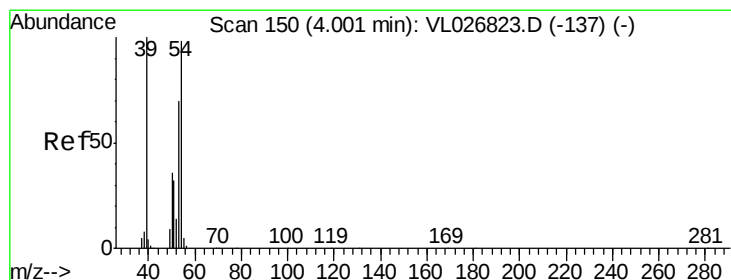
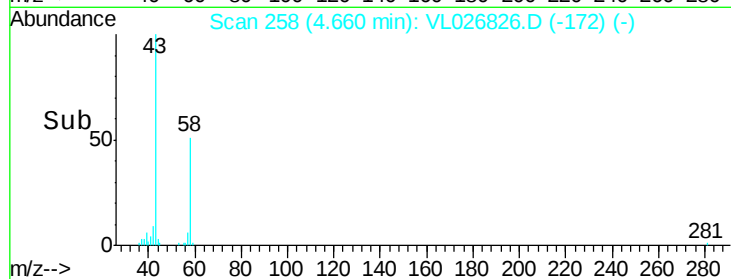
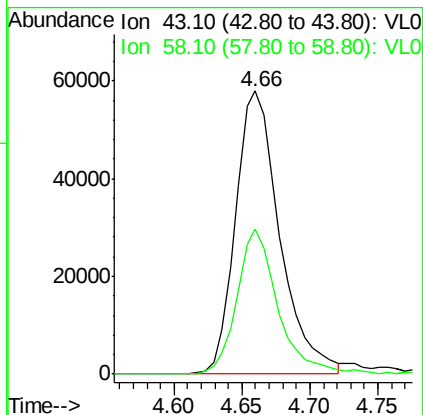
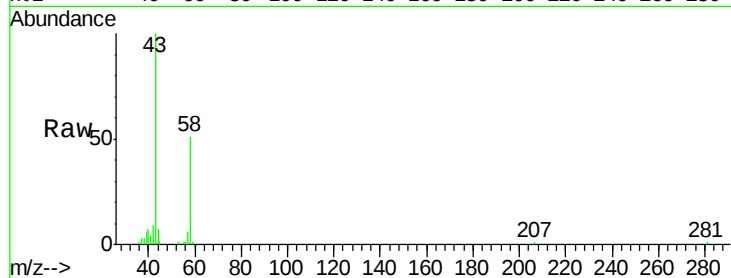
VSTDIC0.5

Tgt Ion: 43 Resp: 131560

Ion Ratio Lower Upper

43 100

58 47.7 25.2 37.8#



#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 4.00 min Scan# 150

Delta R.T. -0.00 min

Lab File: VL026826.D

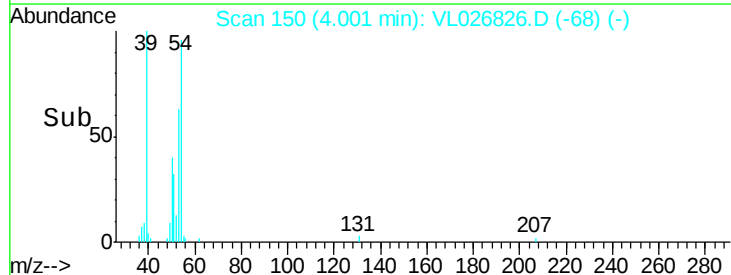
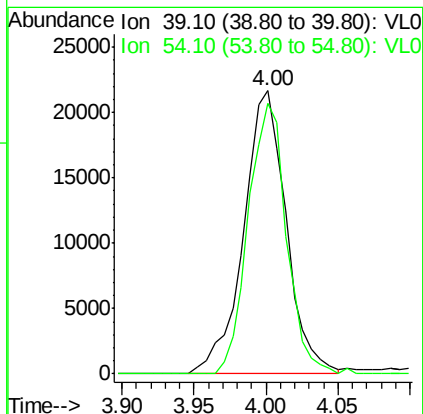
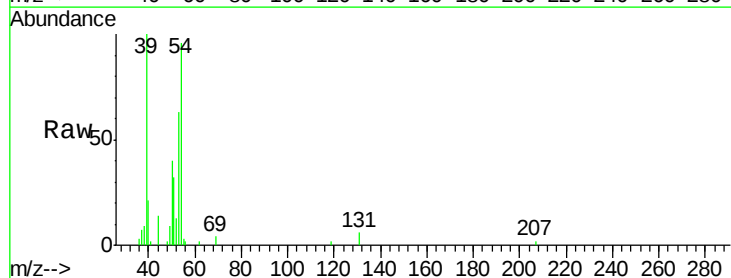
Acq: 9 Feb 2016 18:51

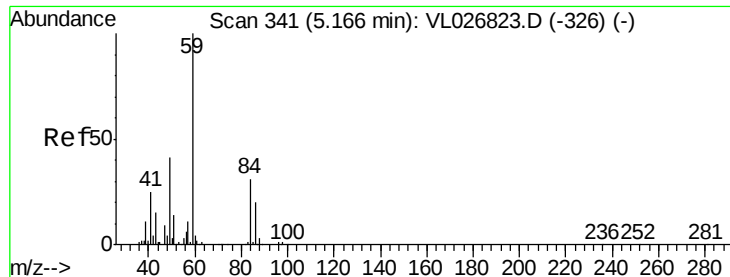
Tgt Ion: 39 Resp: 44453

Ion Ratio Lower Upper

39 100

54 85.4 74.7 112.1



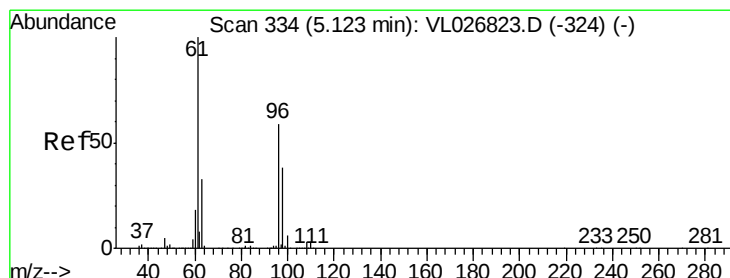
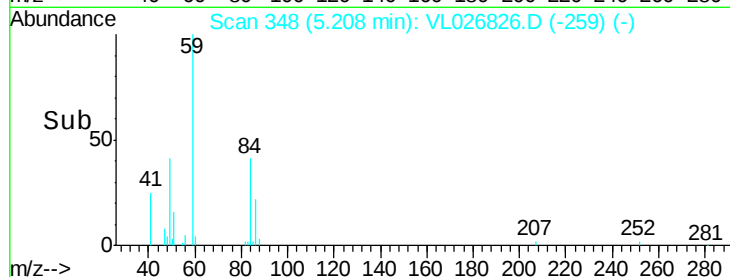
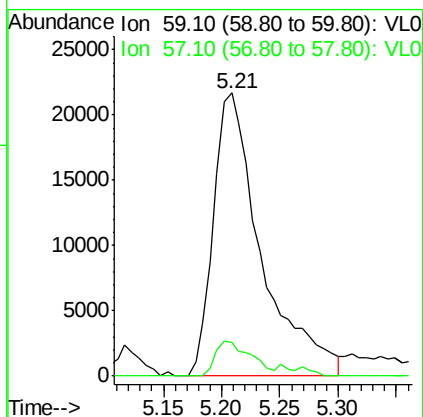
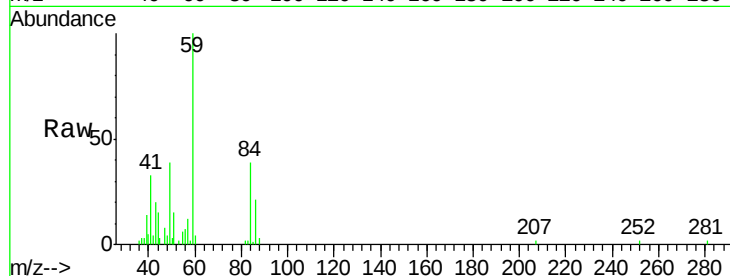


#17

tert-Butyl alcohol
Concen: 0.30 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.04 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

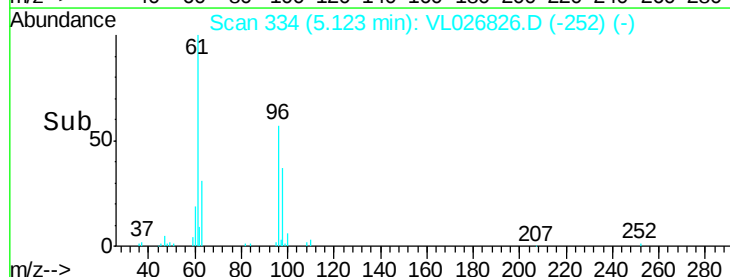
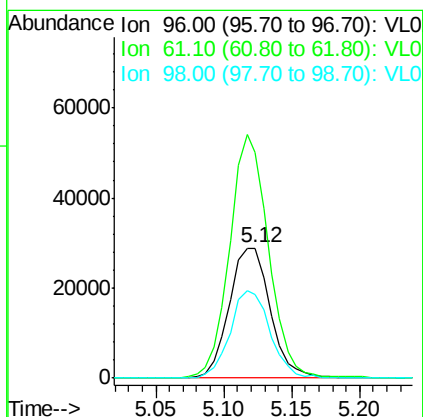
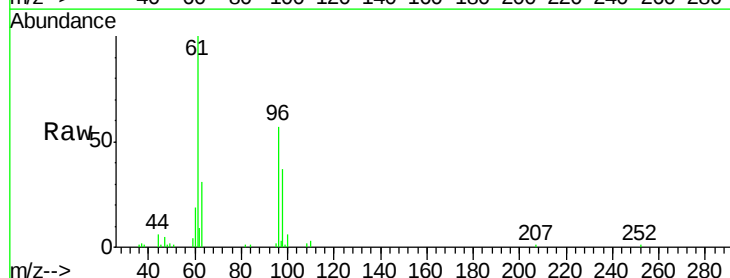
Tgt Ion: 59 Resp: 61887
Ion Ratio Lower Upper
59 100
57 11.2 8.5 12.7

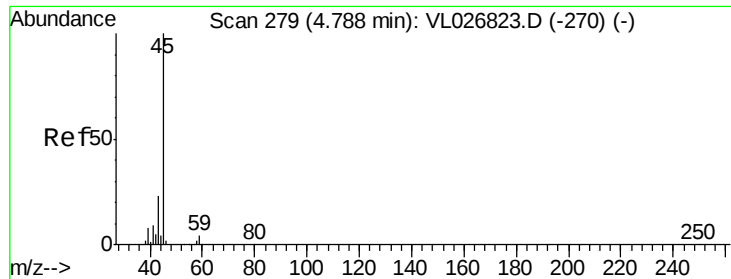


#18

1,1-Dichloroethene
Concen: 0.45 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 96 Resp: 61152
Ion Ratio Lower Upper
96 100
61 172.8 136.7 205.1
98 64.4 52.1 78.1



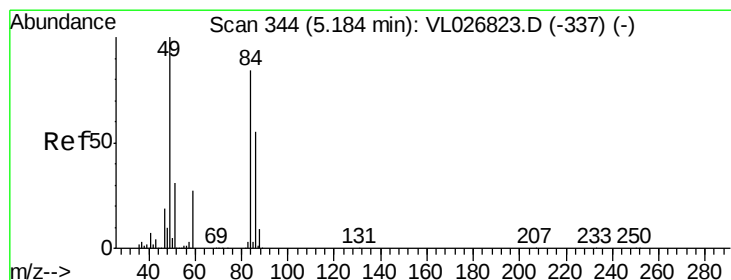
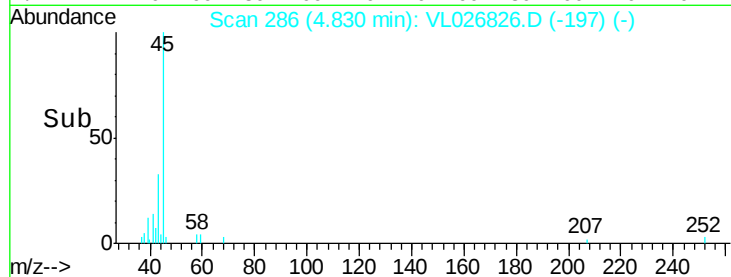
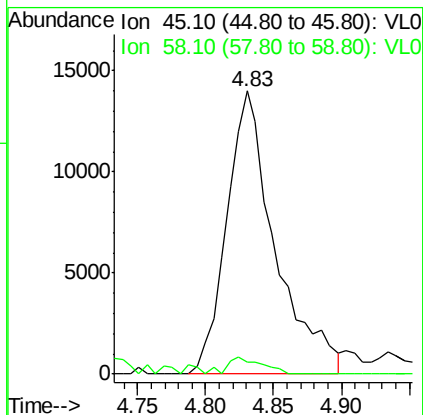
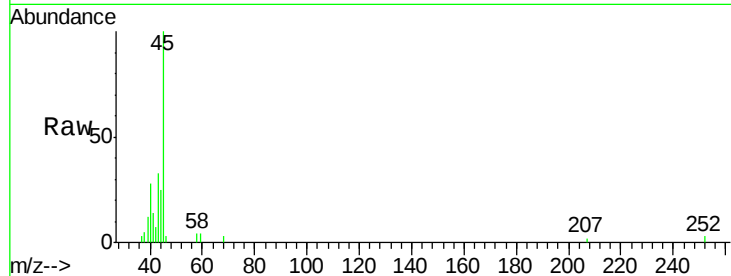


#19

Isopropyl Alcohol
 Concen: 0.34 ppbv
 RT: 4.83 min Scan# 286
 Delta R.T. 0.04 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

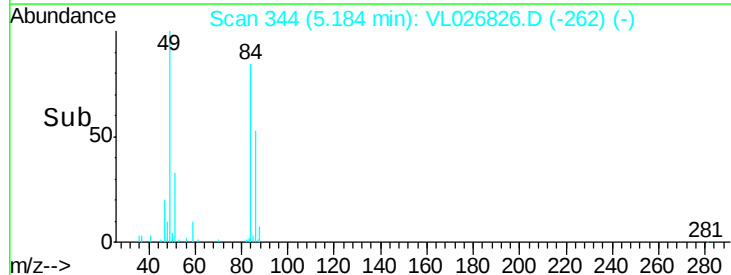
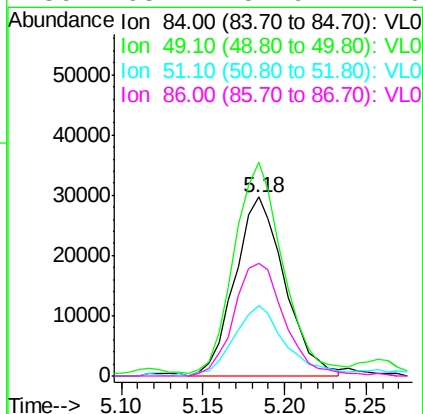
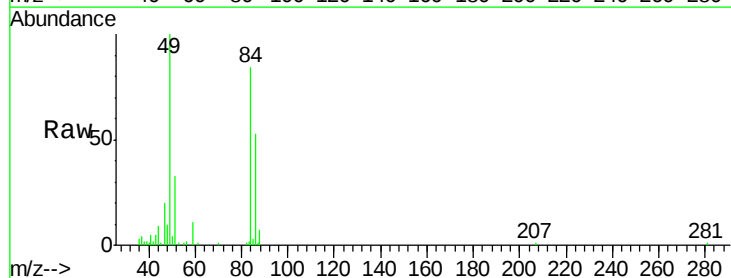
Tgt Ion: 45 Resp: 34772
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.2 3.2#

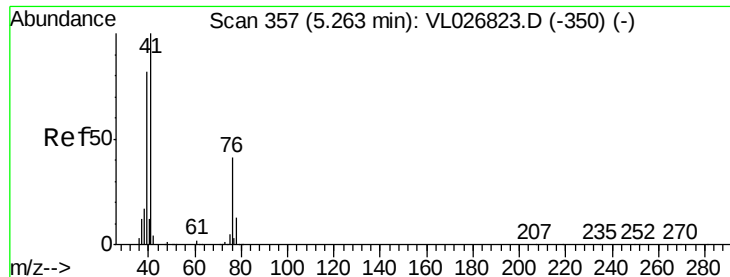


#20

Methylene Chloride
 Concen: 0.51 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 84 Resp: 63185
 Ion Ratio Lower Upper
 84 100
 49 117.8 94.9 142.3
 51 39.1 29.5 44.3
 86 63.2 51.9 77.9

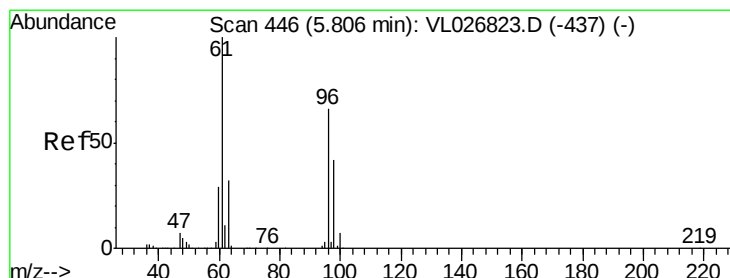
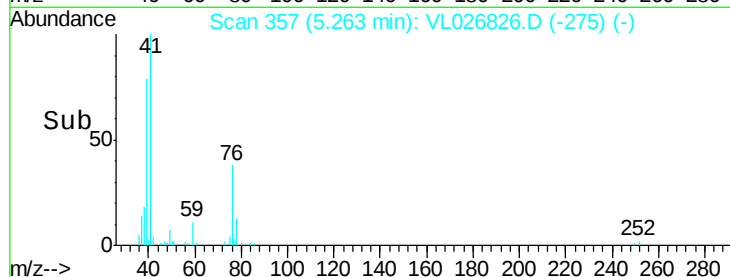
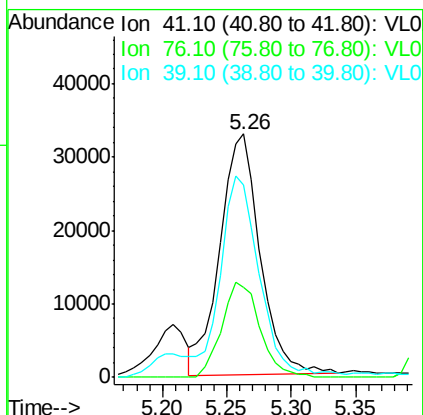
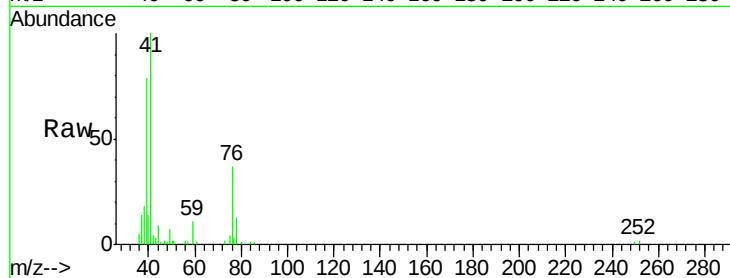




#21
 Allyl Chloride
 Concen: 0.44 ppbv
 RT: 5.26 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

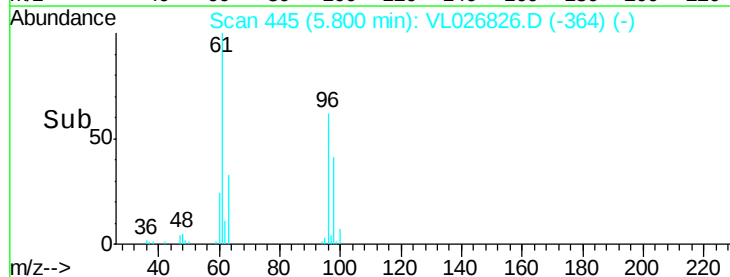
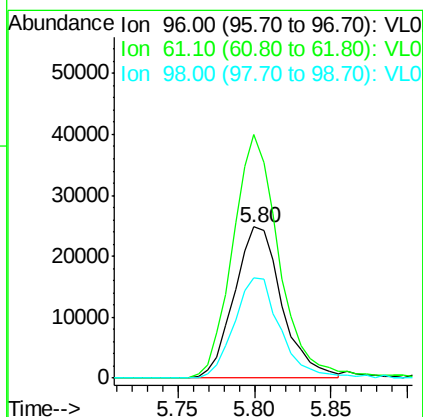
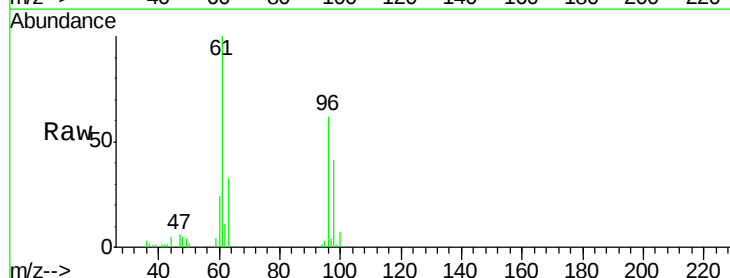
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

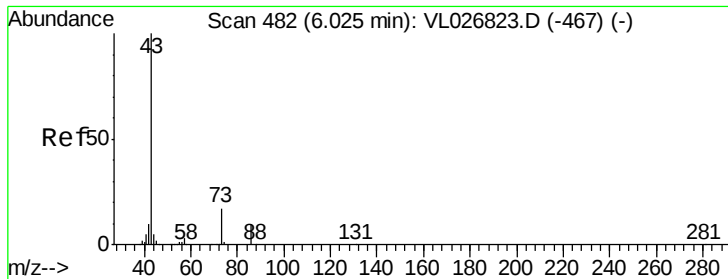
Tgt Ion: 41 Resp: 71797
 Ion Ratio Lower Upper
 41 100
 76 37.4 32.0 48.0
 39 92.1 64.6 96.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.42 ppbv
 RT: 5.80 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 96 Resp: 53845
 Ion Ratio Lower Upper
 96 100
 61 160.9 121.6 182.4
 98 66.2 50.6 76.0





#23

Vinyl Acetate

Concen: 0.33 ppbv

RT: 6.03 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

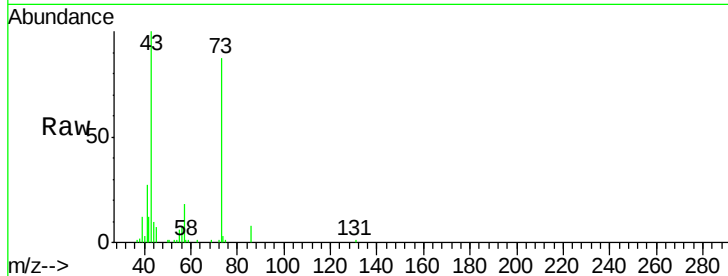
MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 135783

Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.7	11.5
42	12.4	7.8	11.8#
44	6.7	3.9	5.9#

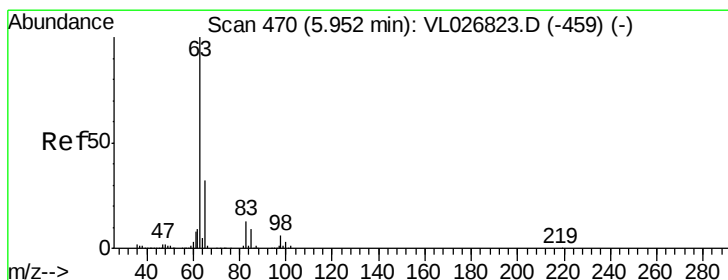
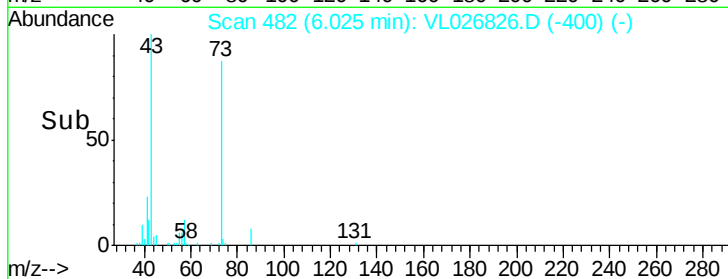
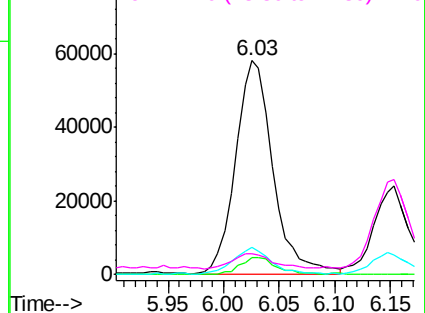


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.43 ppbv

RT: 5.94 min Scan# 468

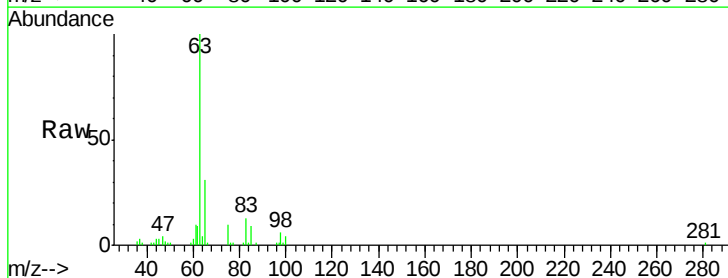
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 63 Resp: 123286

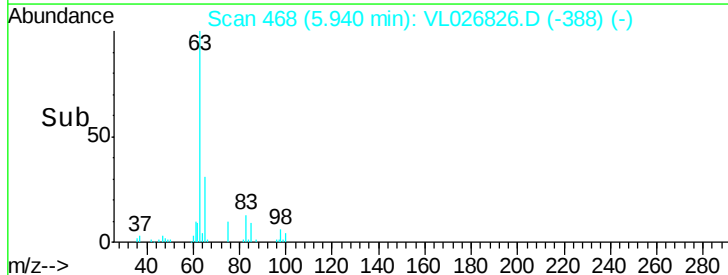
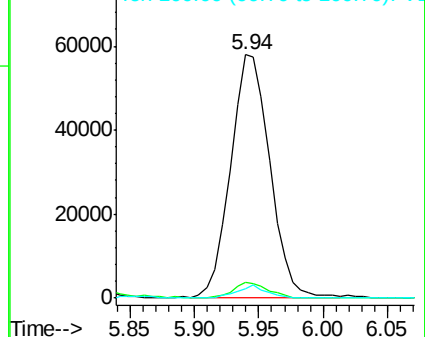
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.7
100	4.0	1.7	5.1

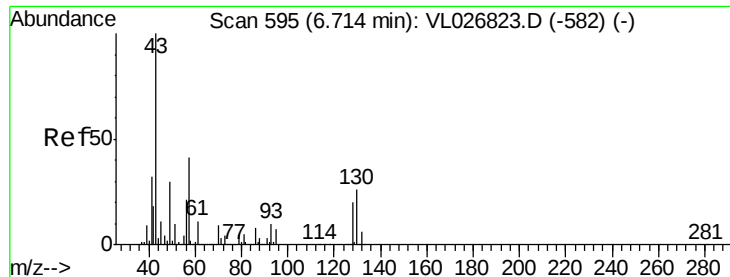


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.32 ppbv

RT: 6.73 min Scan# 597

Delta R.T. 0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 119274

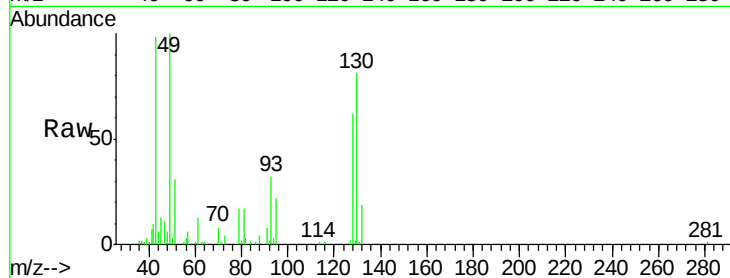
Ion Ratio Lower Upper

43 100

45 13.6 7.8 11.8#

61 13.3 7.9 11.9#

70 12.0 6.9 10.3#

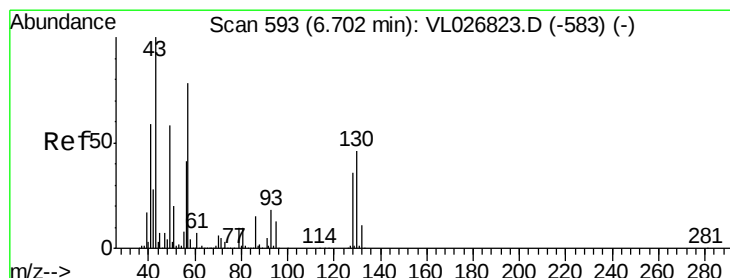
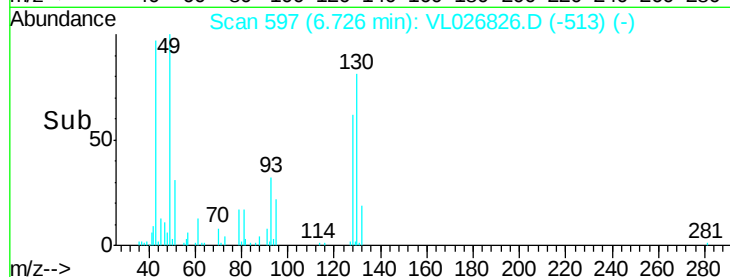
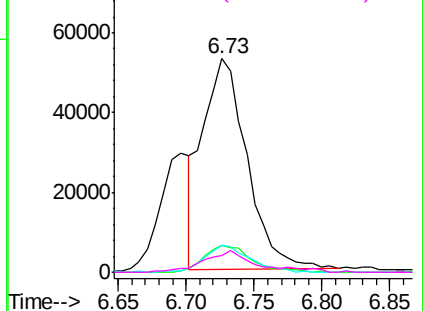


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.47 ppbv

RT: 6.70 min Scan# 592

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 57 Resp: 87867

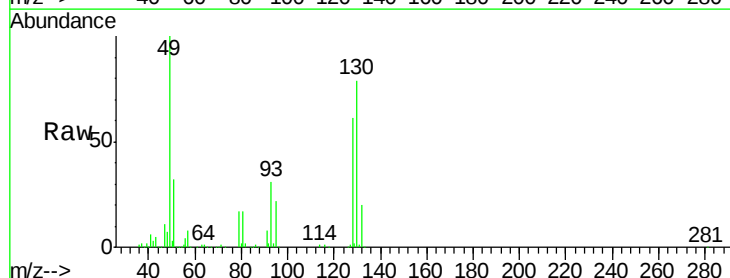
Ion Ratio Lower Upper

57 100

41 88.8 63.3 94.9

43 203.2 151.4 227.2

56 58.2 42.2 63.2

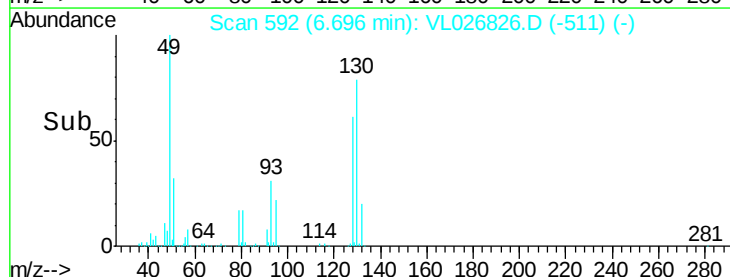
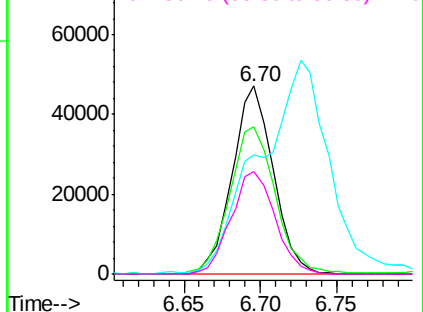


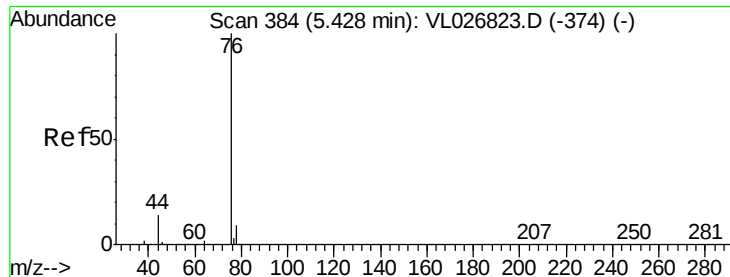
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.42 ppbv

RT: 5.43 min Scan# 384

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

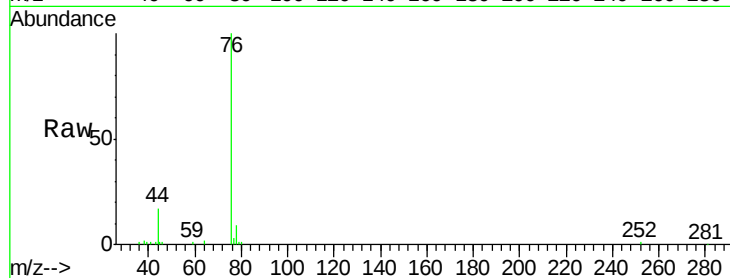
Tgt Ion: 76 Resp: 158917

Ion Ratio Lower Upper

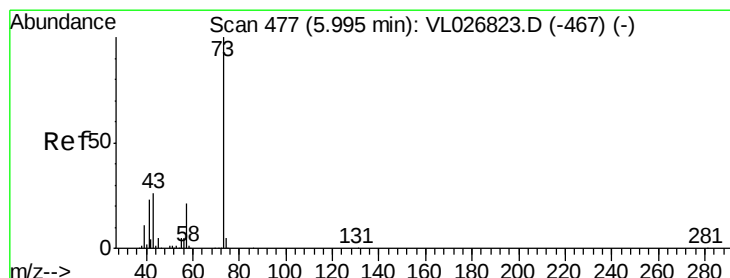
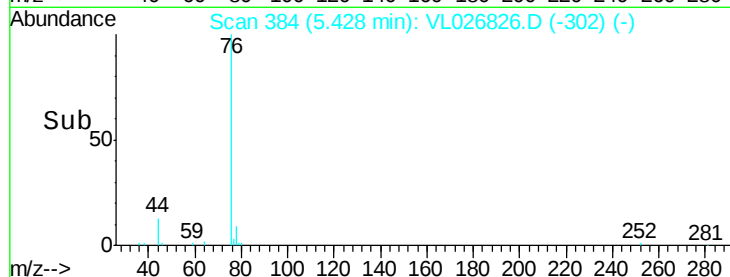
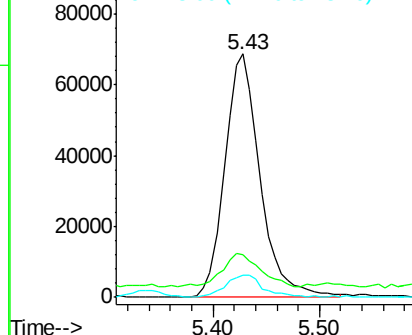
76 100

44 22.8 12.1 18.1#

78 9.8 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: 0.31 ppbv

RT: 6.01 min Scan# 480

Delta R.T. 0.02 min

Lab File: VL026826.D

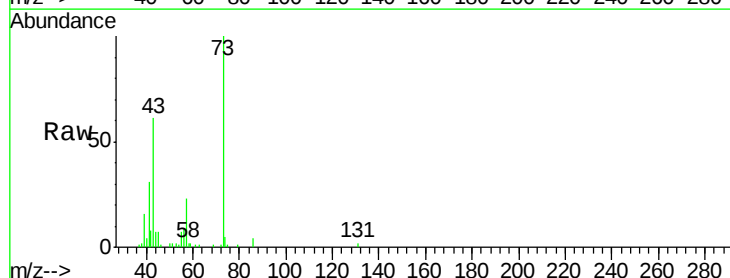
Acq: 9 Feb 2016 18:51

Tgt Ion: 73 Resp: 130284

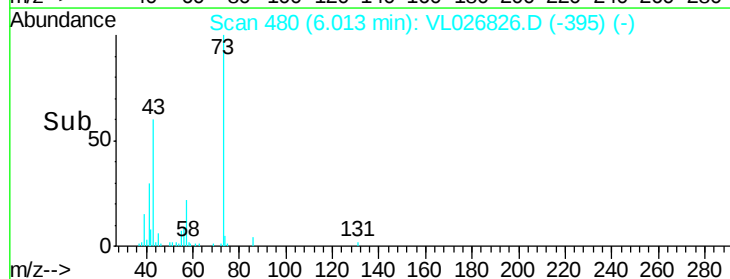
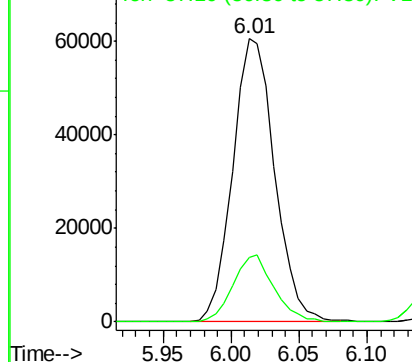
Ion Ratio Lower Upper

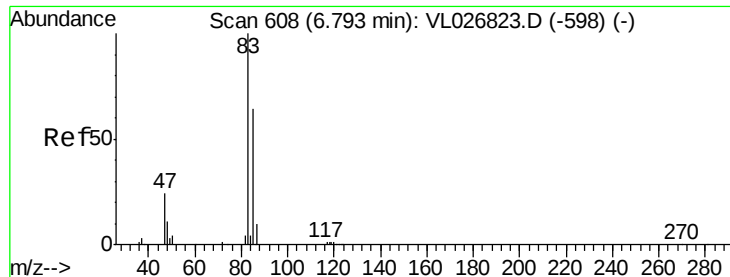
73 100

57 22.8 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: 0.36 ppbv

RT: 6.78 min Scan# 606

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

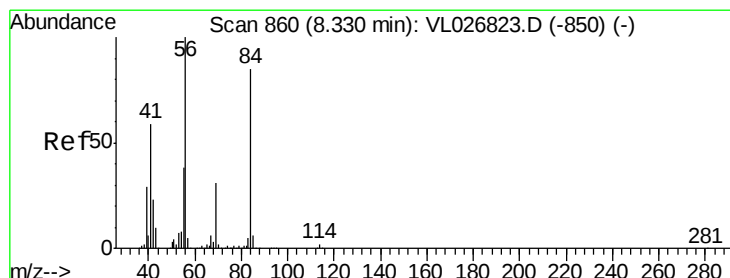
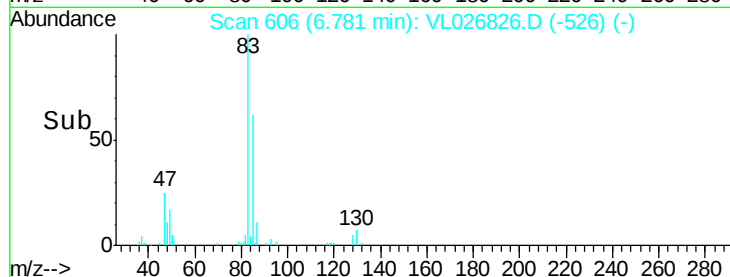
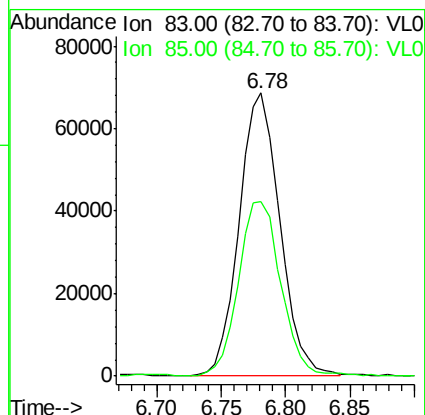
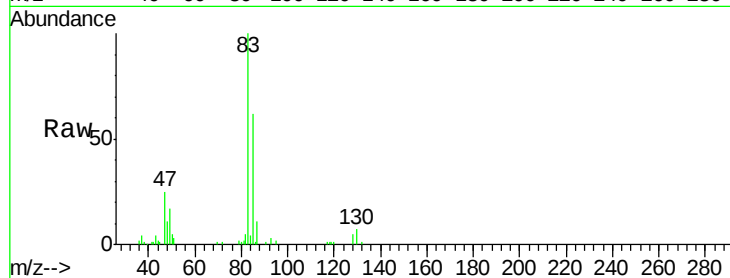
VSTDIC0.5

Tgt Ion: 83 Resp: 150658

Ion Ratio Lower Upper

83 100

85 61.8 51.5 77.3



#30

Cyclohexane

Concen: 0.34 ppbv

RT: 8.33 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

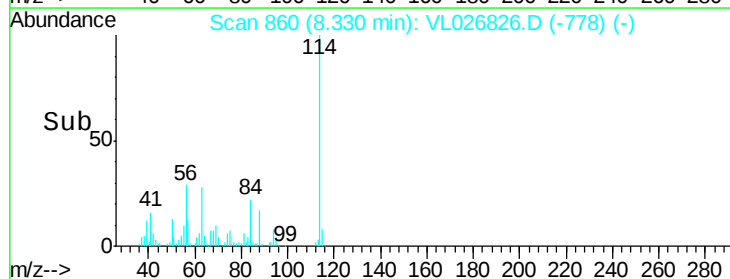
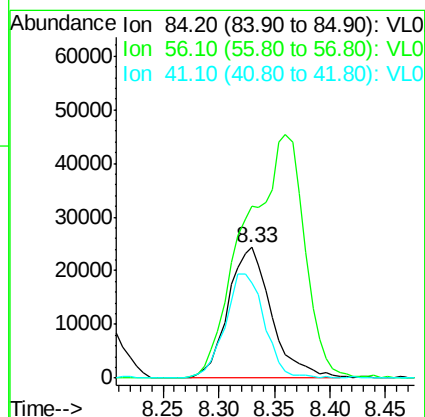
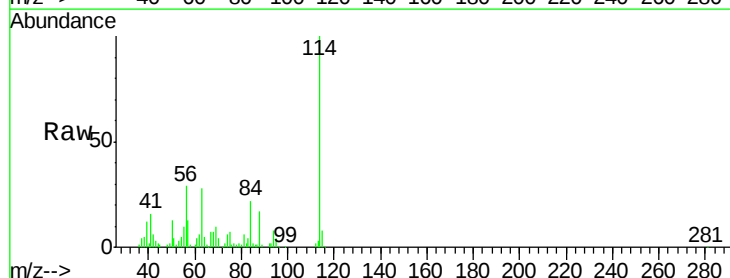
Tgt Ion: 84 Resp: 66048

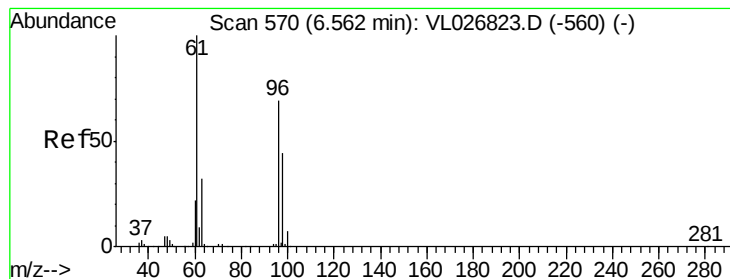
Ion Ratio Lower Upper

84 100

56 255.4 99.4 149.2#

41 72.1 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 0.34 ppbv

RT: 6.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

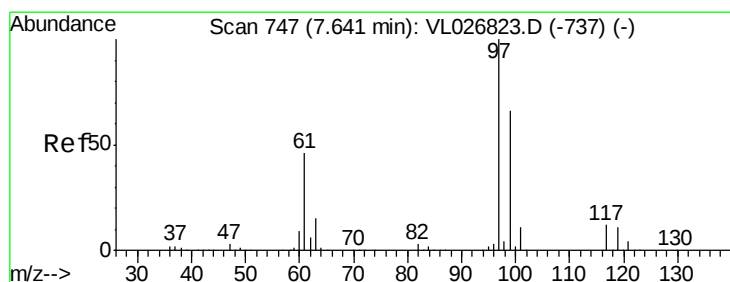
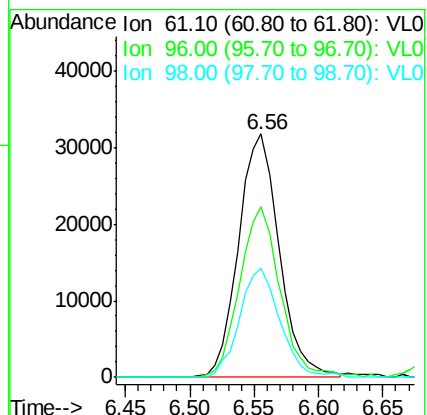
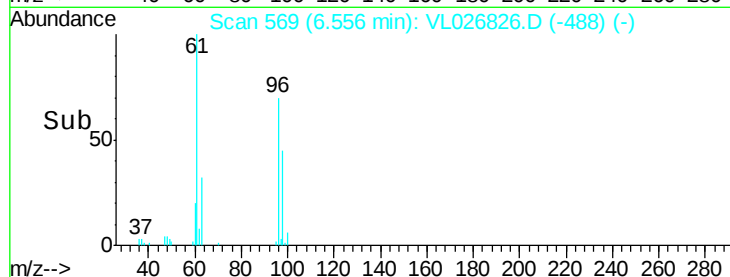
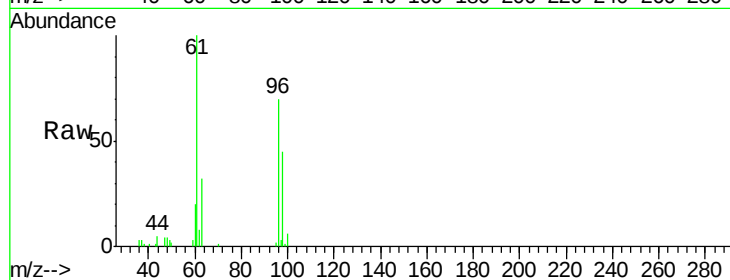
Tgt Ion: 61 Resp: 69820

Ion Ratio Lower Upper

61 100

96 70.0 55.2 82.8

98 44.6 35.2 52.8



#32

1,1,1-Trichloroethane

Concen: 0.29 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

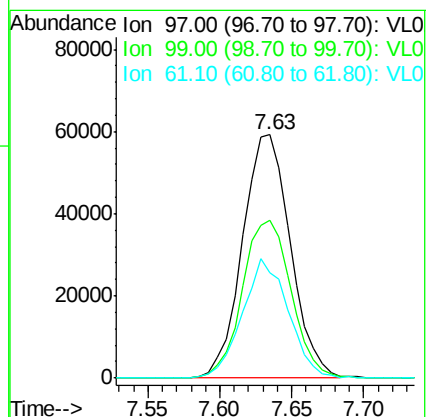
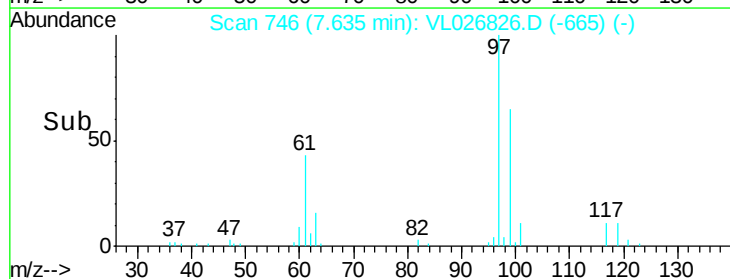
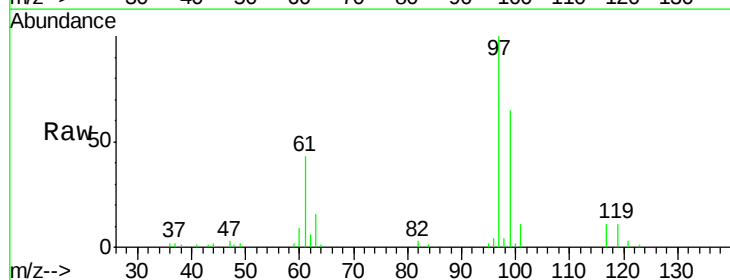
Tgt Ion: 97 Resp: 136834

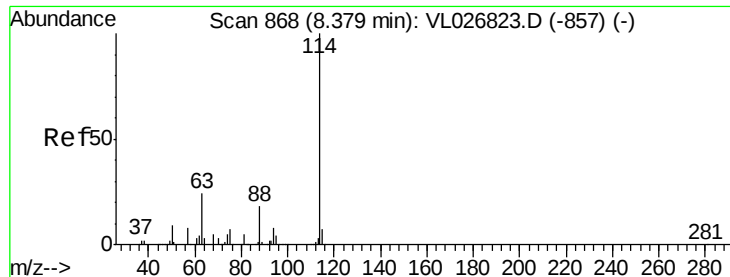
Ion Ratio Lower Upper

97 100

99 65.8 52.0 78.0

61 47.1 36.2 54.4

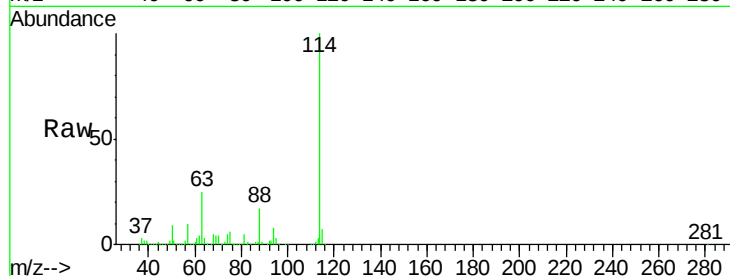




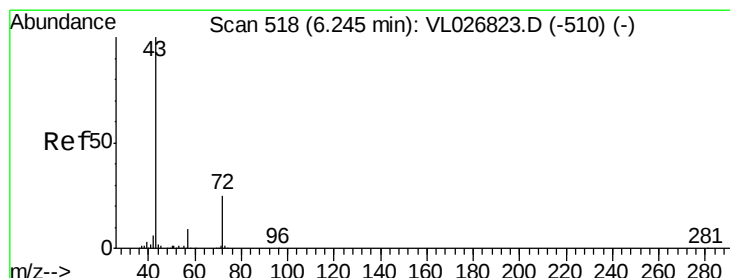
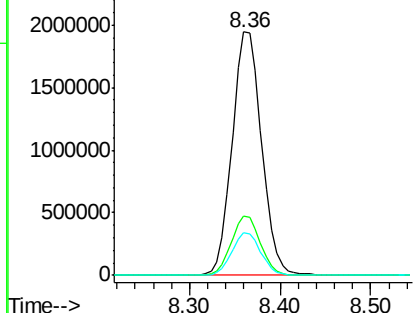
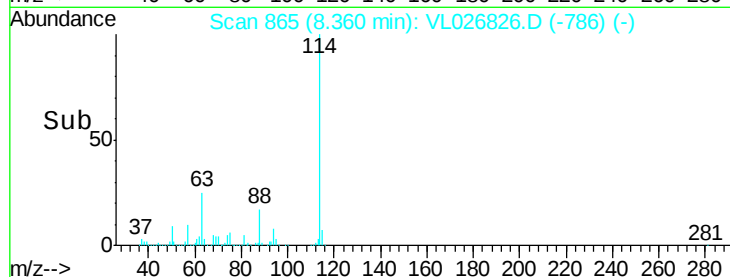
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.36 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 4390847
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.7 29.5
 88 17.1 13.8 20.6

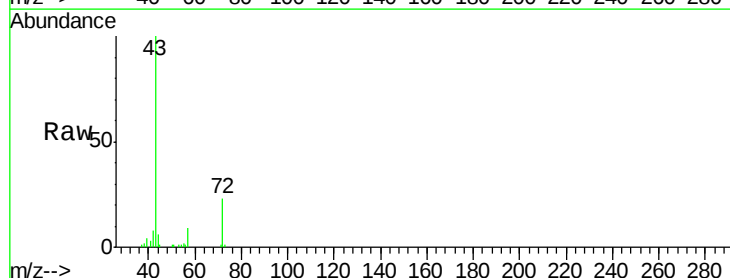


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

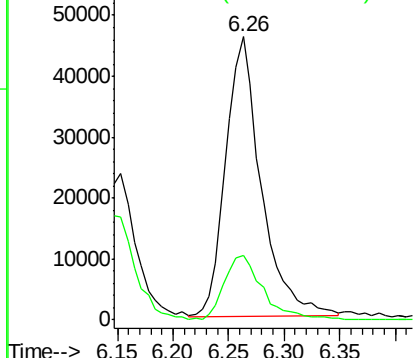
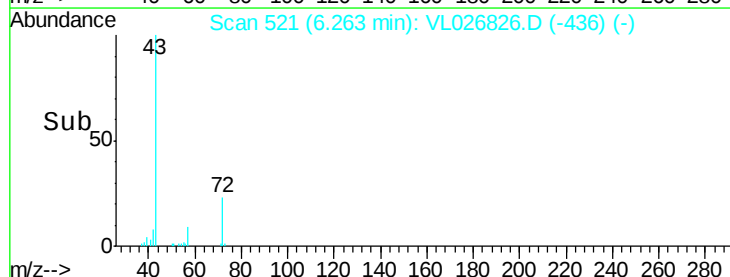


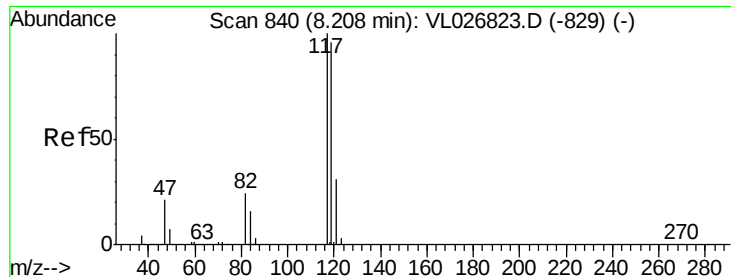
#34
 2-Butanone
 Concen: 0.50 ppbv
 RT: 6.26 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 43 Resp: 102365
 Ion Ratio Lower Upper
 43 100
 72 25.1 19.8 29.8



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





#35

Carbon Tetrachloride

Concen: 0.34 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

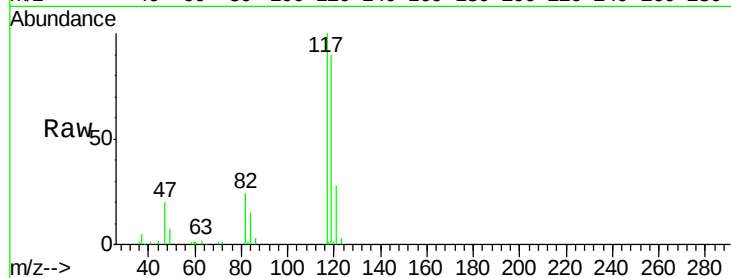
Tgt Ion:117 Resp: 146154

Ion Ratio Lower Upper

117 100

119 89.9 76.6 115.0

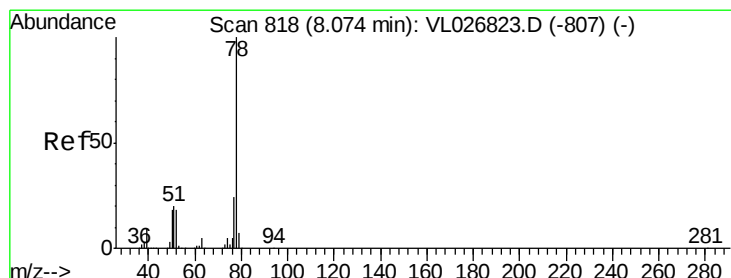
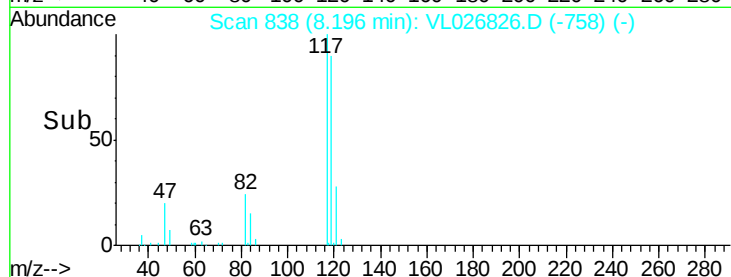
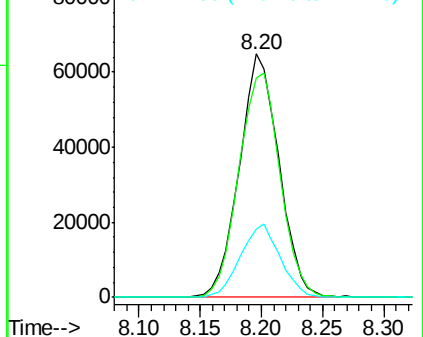
121 28.2 25.0 37.4



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: 0.42 ppbv

RT: 8.06 min Scan# 815

Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

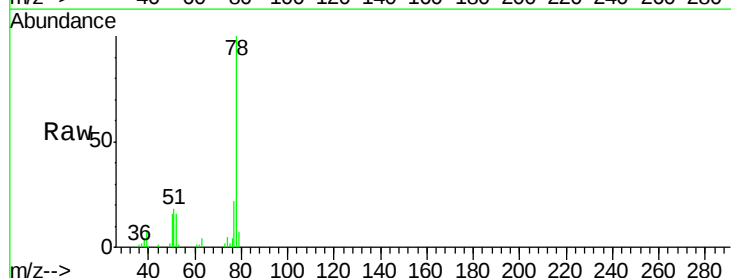
Tgt Ion: 78 Resp: 156239

Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.6

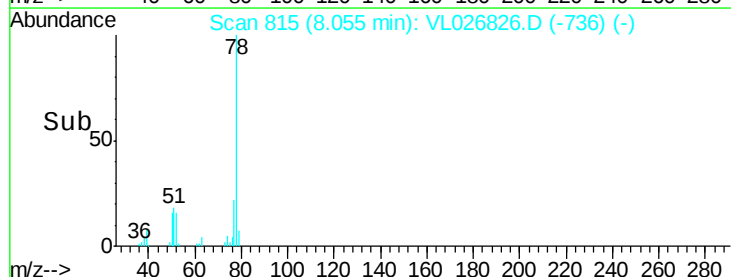
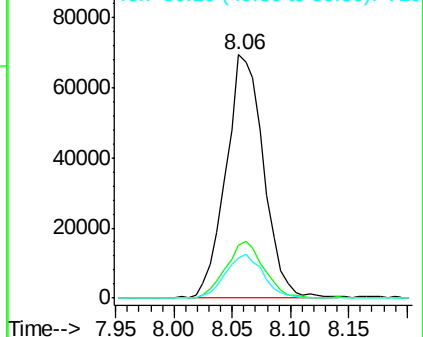
50 16.4 14.2 21.4

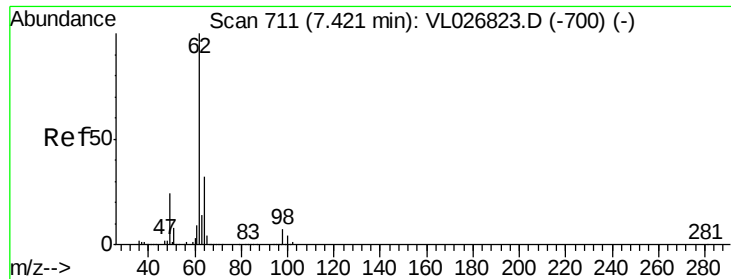


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

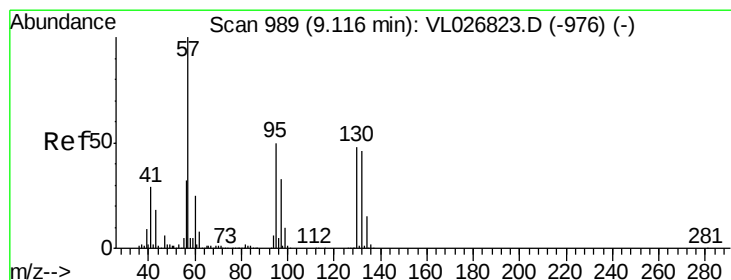
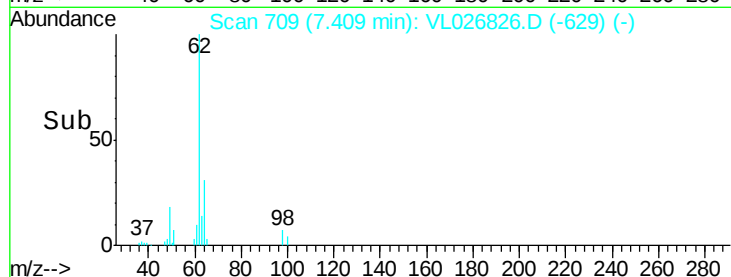
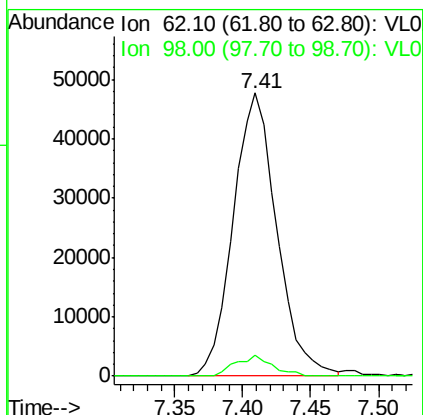
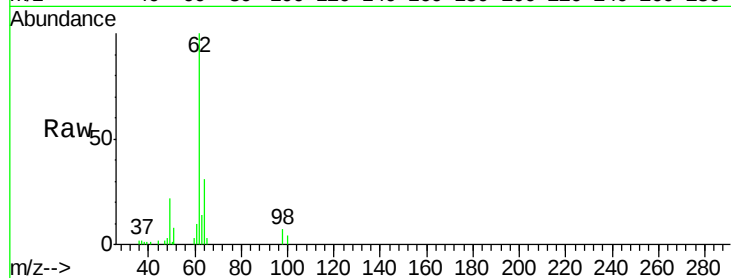




#37
 1,2-Dichloroethane
 Concen: 0.34 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

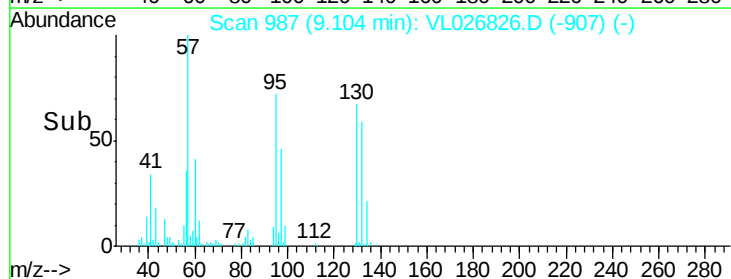
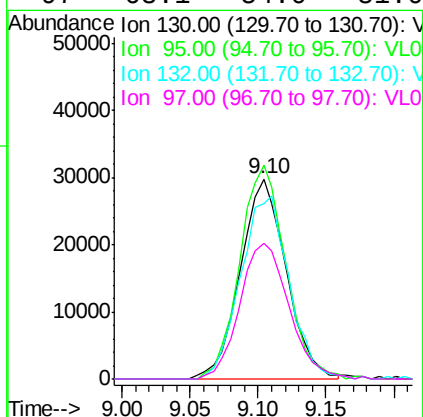
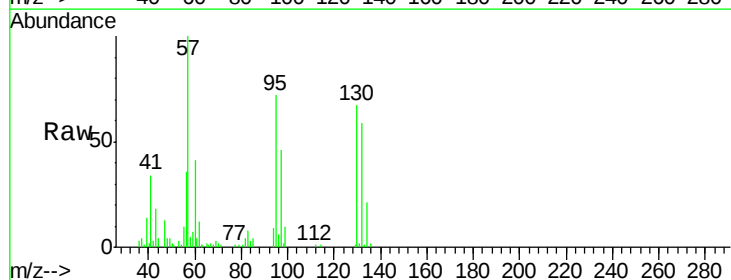
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

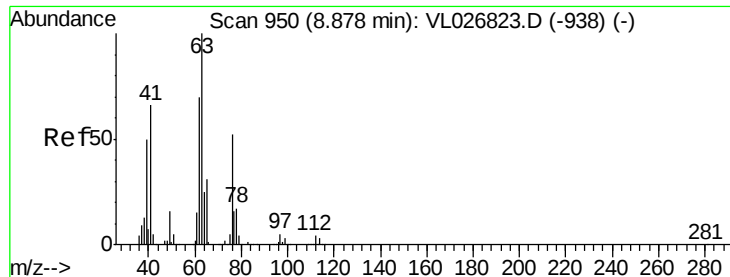
Tgt Ion: 62 Resp: 106763
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.4 8.2



#38
 Trichloroethene
 Concen: 0.40 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 130 Resp: 70141
 Ion Ratio Lower Upper
 130 100
 95 107.0 83.0 124.6
 132 88.1 76.0 114.0
 97 68.1 54.0 81.0





#39

1,2-Dichloropropane

Concen: 0.52 ppbv

RT: 8.86 min Scan# 947

Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

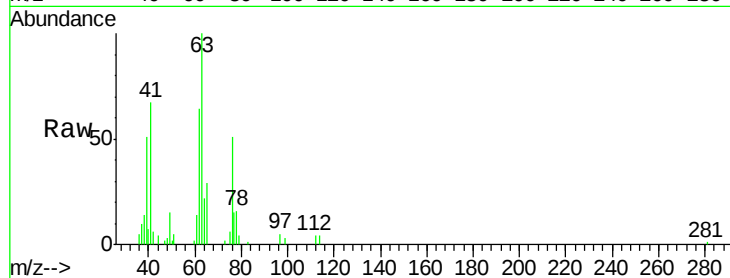
Tgt Ion: 63 Resp: 64555

Ion Ratio Lower Upper

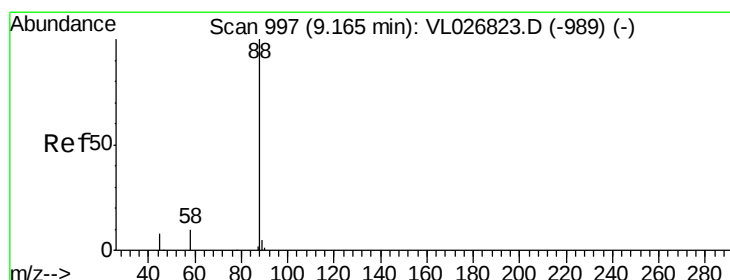
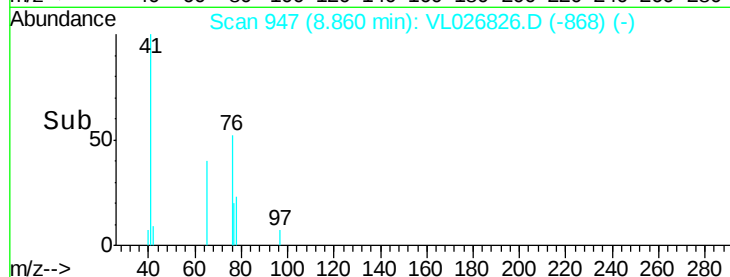
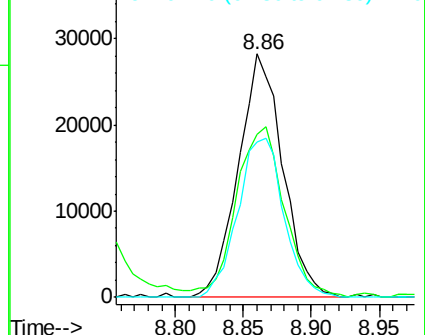
63 100

41 65.4 53.2 79.8

62 63.6 56.0 84.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.20 ppbv

RT: 9.24 min Scan# 1010

Delta R.T. 0.08 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 88 Resp: 6047

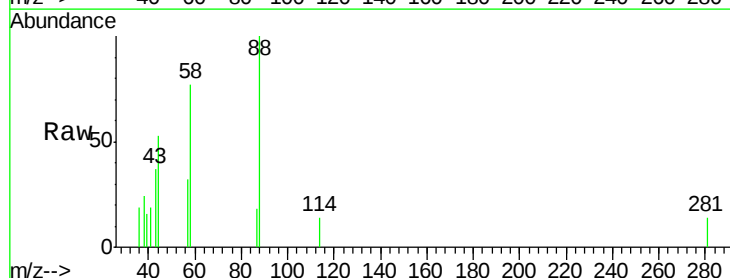
Ion Ratio Lower Upper

88 100

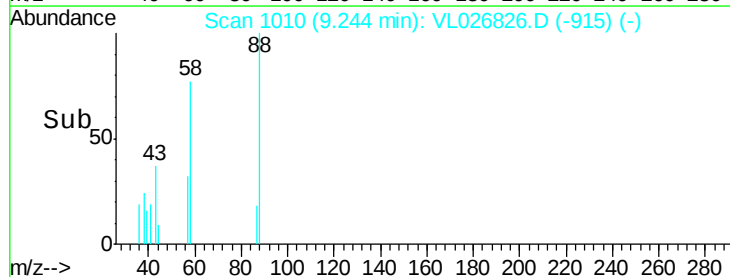
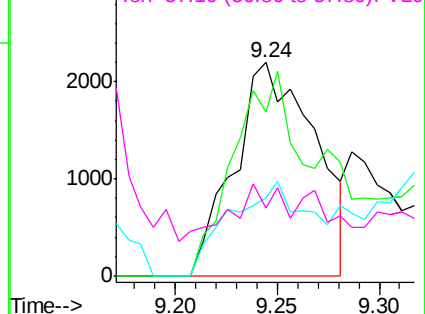
58 140.9 135.6 203.4

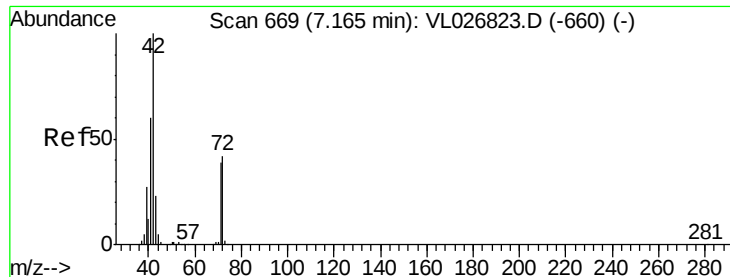
43 0.0 332.3 498.5#

57 0.0 1660.5 2490.7#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.44 ppbv

RT: 7.21 min Scan# 676

Delta R.T. 0.04 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

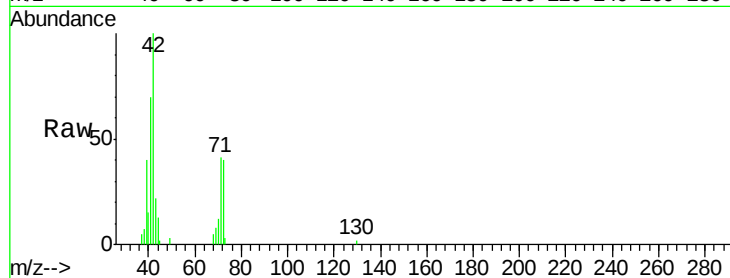
Tgt Ion: 42 Resp: 40420

Ion Ratio Lower Upper

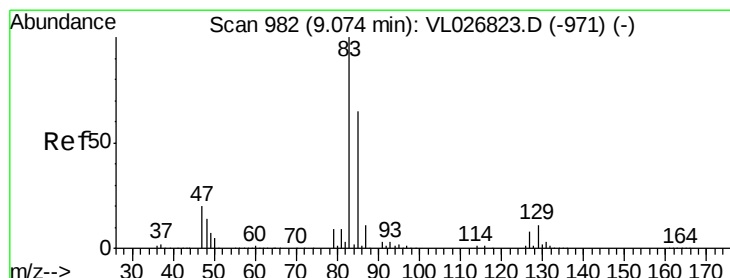
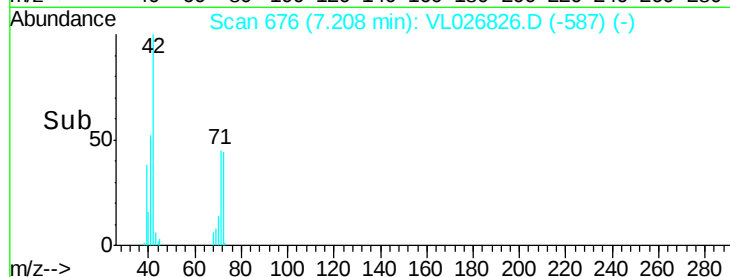
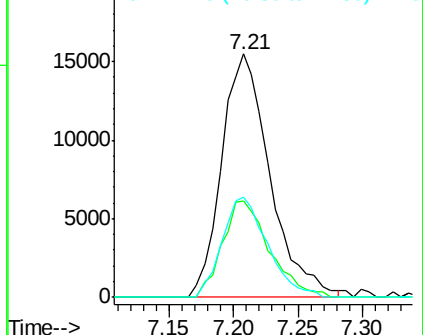
42 100

72 38.8 33.4 50.0

71 38.8 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: 0.33 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

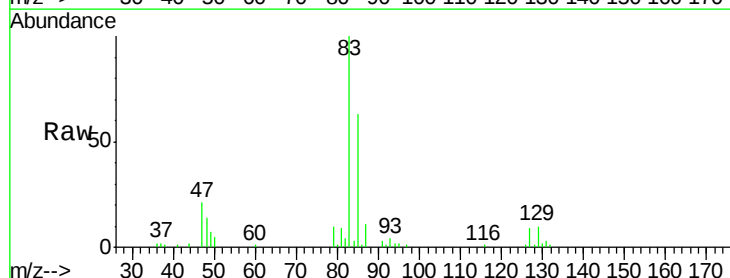
Tgt Ion: 83 Resp: 133760

Ion Ratio Lower Upper

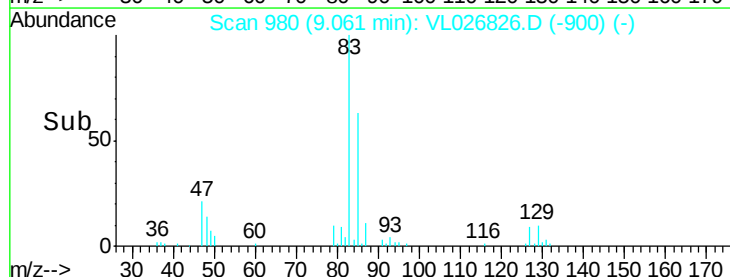
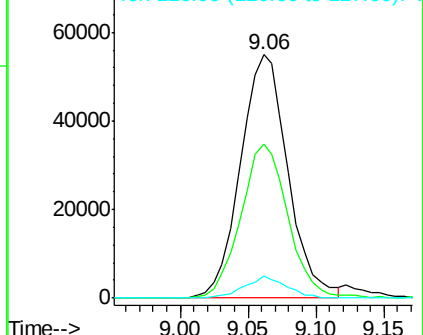
83 100

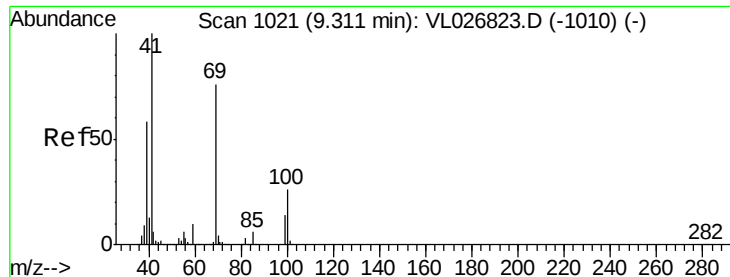
85 63.2 51.8 77.6

127 8.9 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

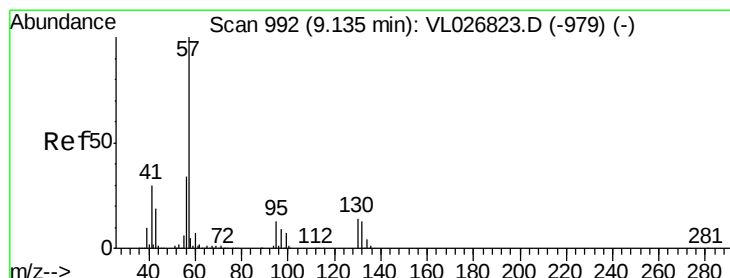
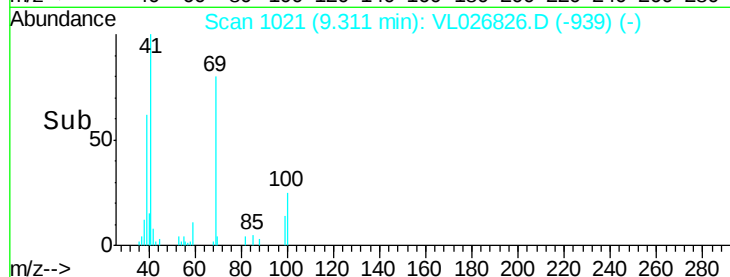
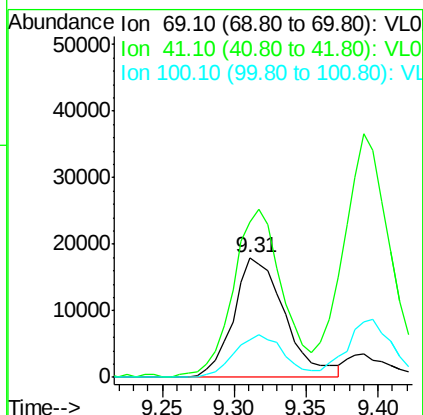
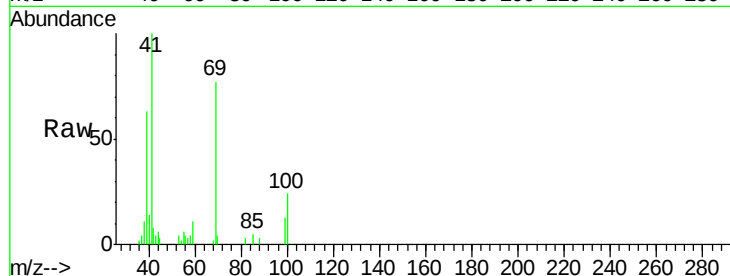




#43
Methyl Methacrylate
Concen: 0.31 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

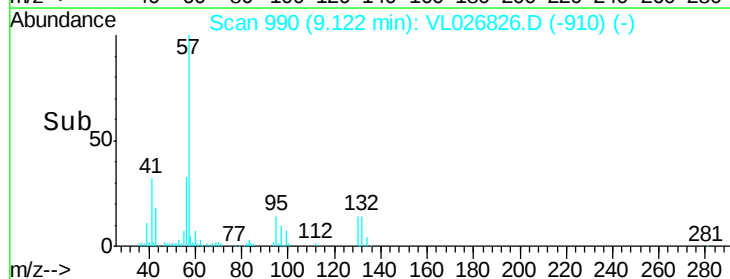
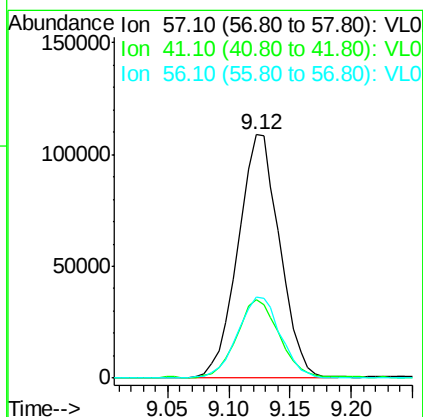
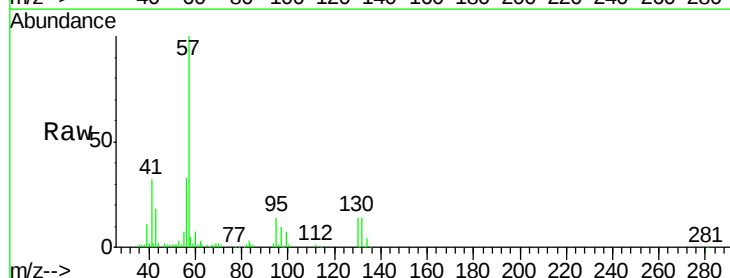
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

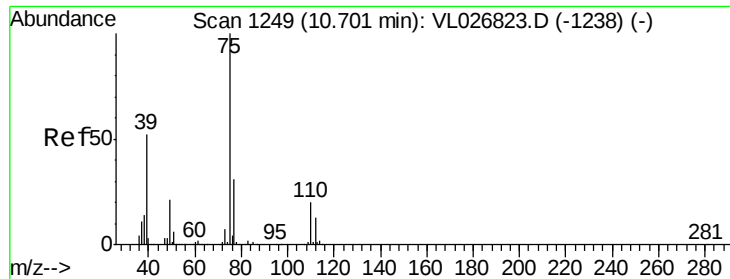
Tgt Ion: 69 Resp: 44591
Ion Ratio Lower Upper
69 100
41 139.1 106.5 159.7
100 35.4 27.2 40.8



#44
2,2,4-Trimethylpentane
Concen: 0.44 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 57 Resp: 258199
Ion Ratio Lower Upper
57 100
41 33.7 23.2 34.8
56 34.6 26.2 39.4





#45

t-1,3-Dichloropropene

Concen: 0.22 ppbv

RT: 10.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

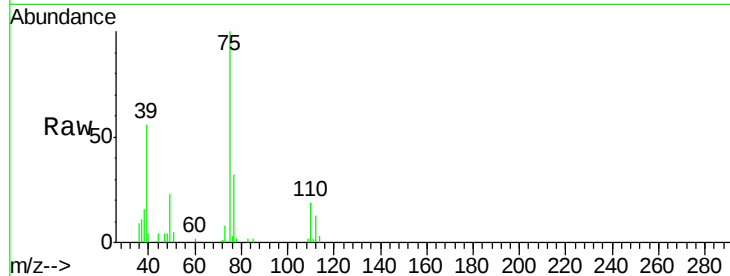
VSTDIC0.5

Tgt Ion: 75 Resp: 55069

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.70

20000

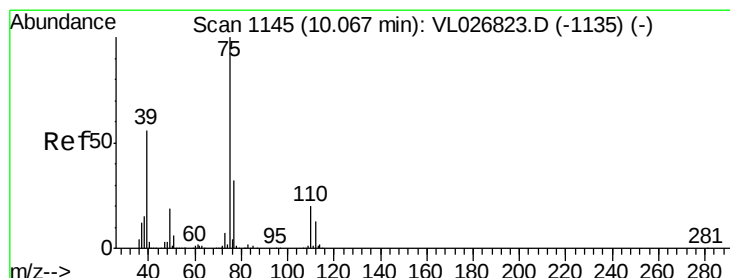
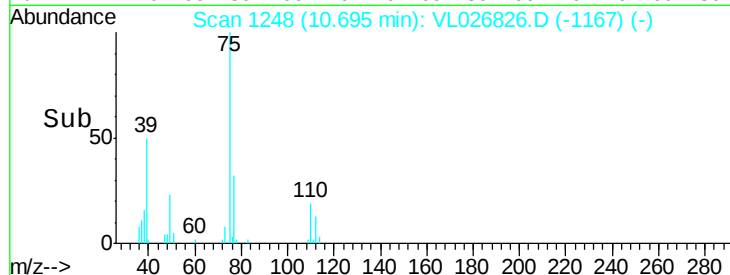
15000

10000

5000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 0.27 ppbv

RT: 10.06 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

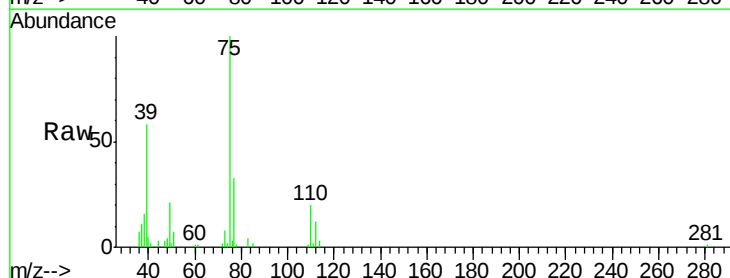
Tgt Ion: 75 Resp: 69932

Ion Ratio Lower Upper

75 100

39 58.4 45.0 67.6

77 33.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

10.06

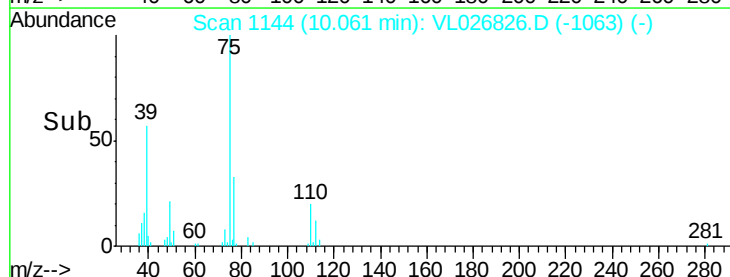
30000

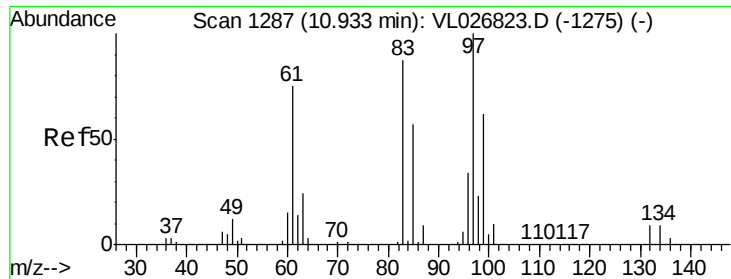
20000

10000

0

Time-->

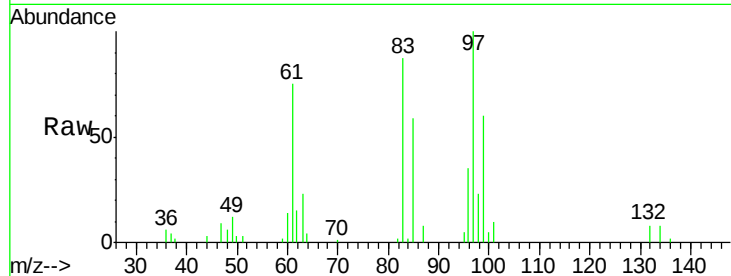




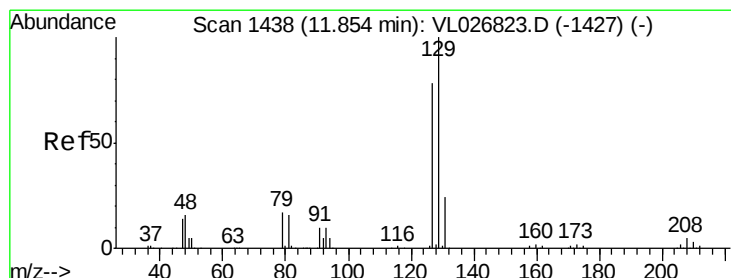
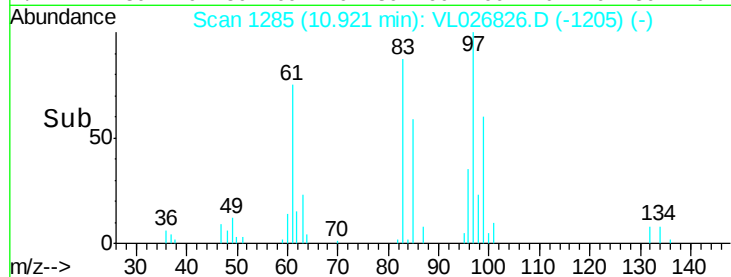
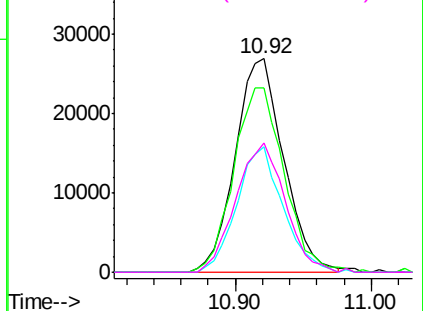
#47
 1,1,2-Trichloroethane
 Concen: 0.34 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	97	Resp:	66935
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.7	104.5
85	58.6	45.3	67.9
99	60.5	49.9	74.9

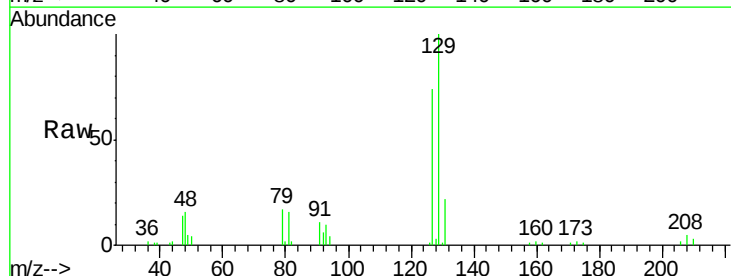


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

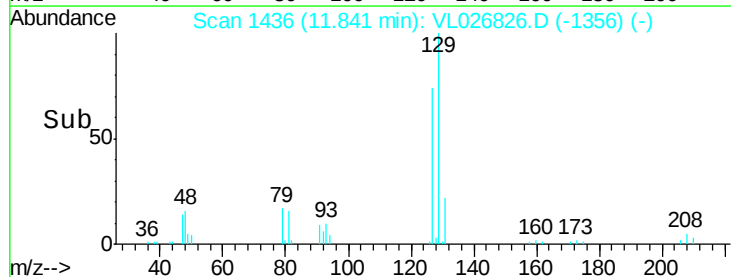
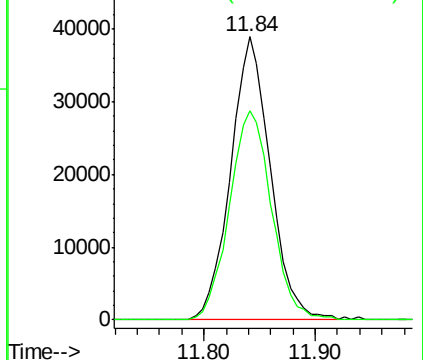


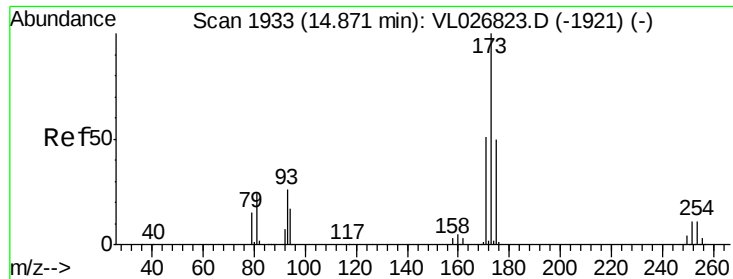
#48
 Dibromochloromethane
 Concen: 0.26 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion:	129	Resp:	96053
Ion	Ratio	Lower	Upper
129	100		
127	78.5	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: 0.21 ppbv

RT: 14.85 min Scan# 1930

Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

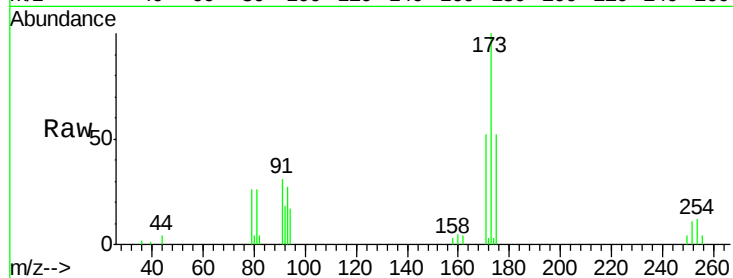
Tgt Ion:173 Resp: 66272

Ion Ratio Lower Upper

173 100

175 48.6 39.2 58.8

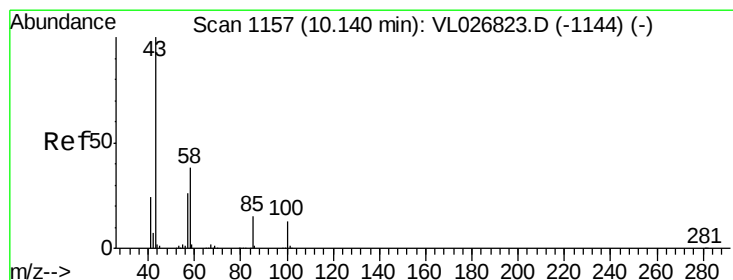
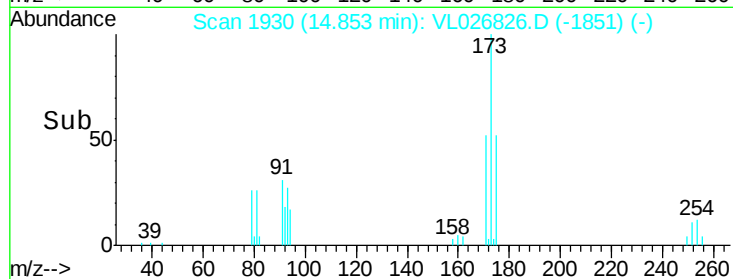
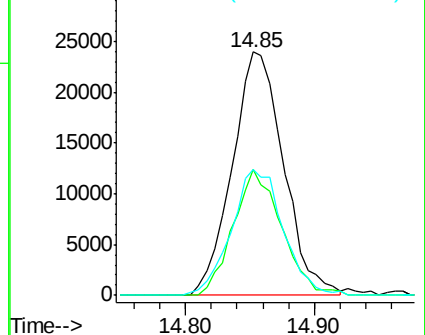
171 52.2 41.4 62.0



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: 0.33 ppbv

RT: 10.15 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VL026826.D

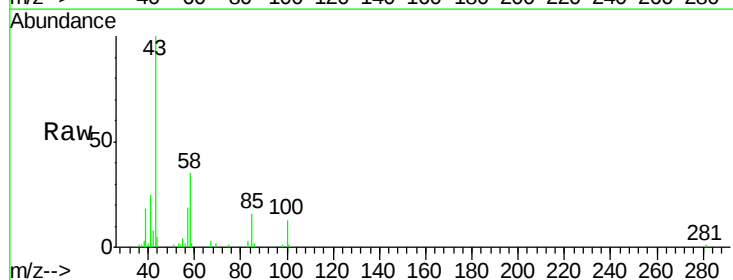
Acq: 9 Feb 2016 18:51

Tgt Ion: 43 Resp: 94574

Ion Ratio Lower Upper

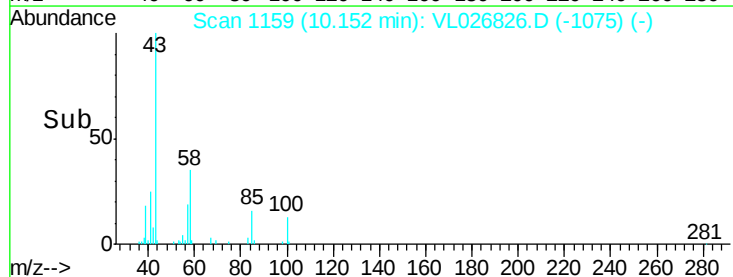
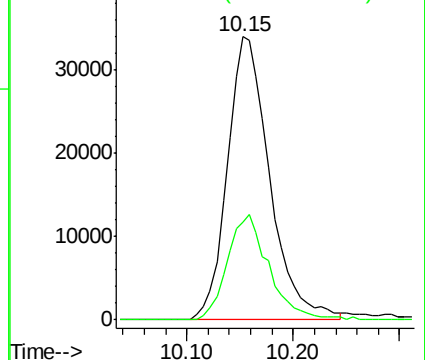
43 100

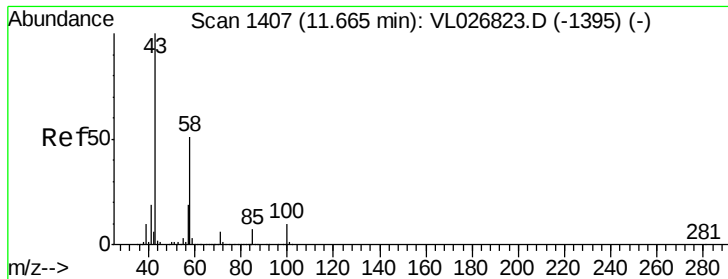
58 36.5 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.24 ppbv

RT: 11.70 min Scan# 1413

Delta R.T. 0.04 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

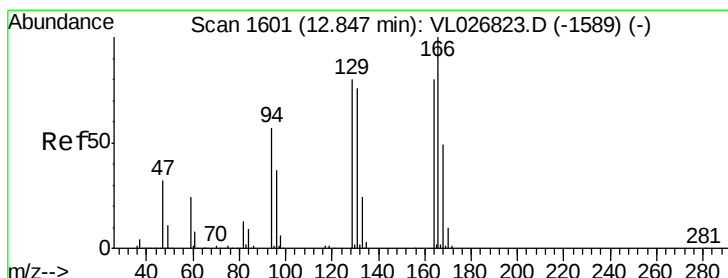
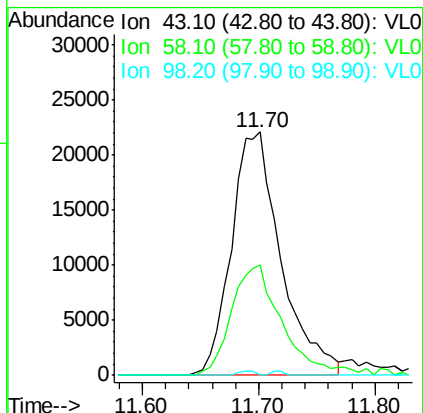
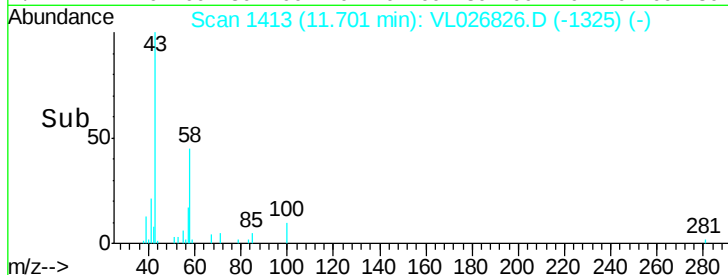
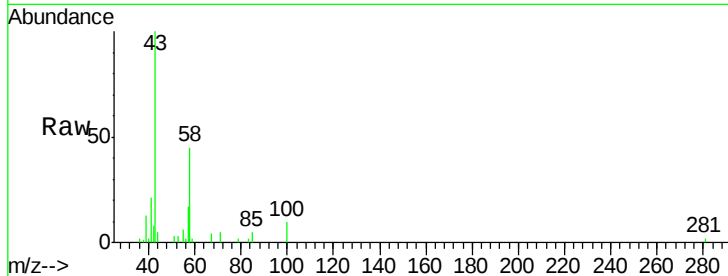
Tgt Ion: 43 Resp: 65487

Ion Ratio Lower Upper

43 100

58 47.0 40.4 60.6

98 1.0 0.2 0.4#



#52

Tetrachloroethene

Concen: 0.28 ppbv

RT: 12.83 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 164 Resp: 58872

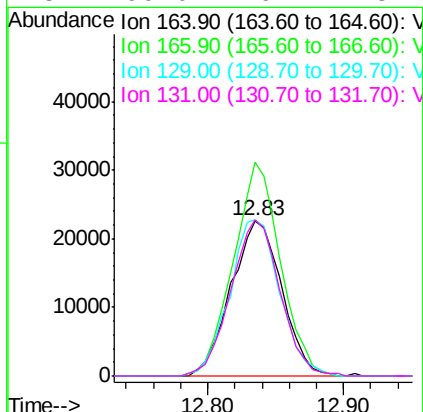
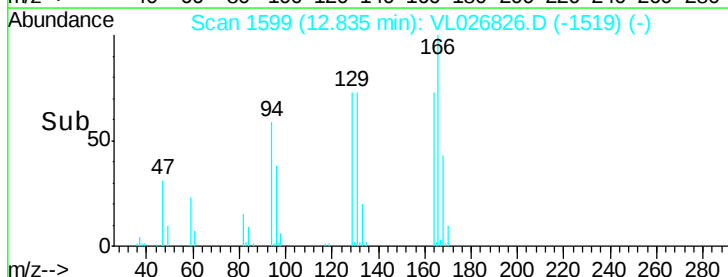
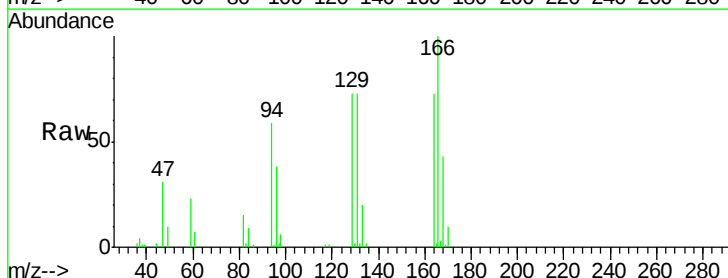
Ion Ratio Lower Upper

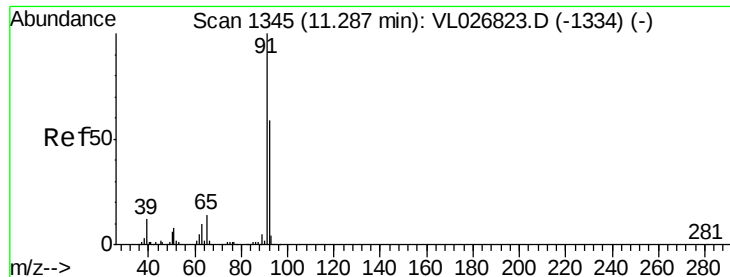
164 100

166 137.6 100.3 150.5

129 100.4 80.0 120.0

131 99.0 76.7 115.1





#53

Toluene

Concen: 0.26 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

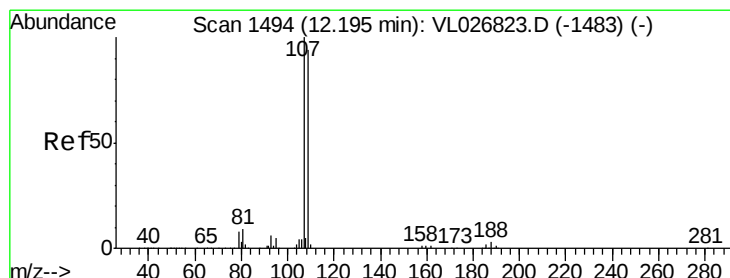
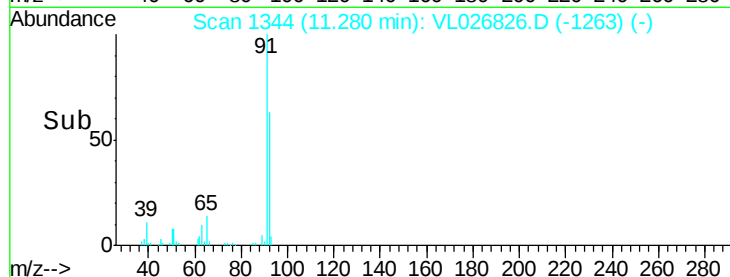
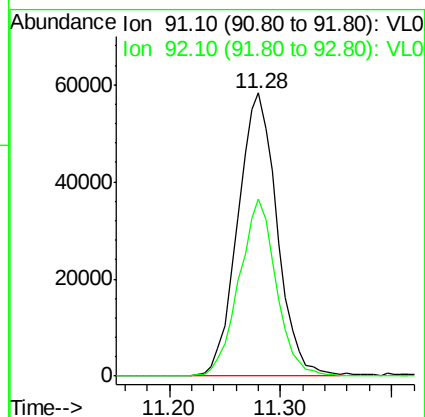
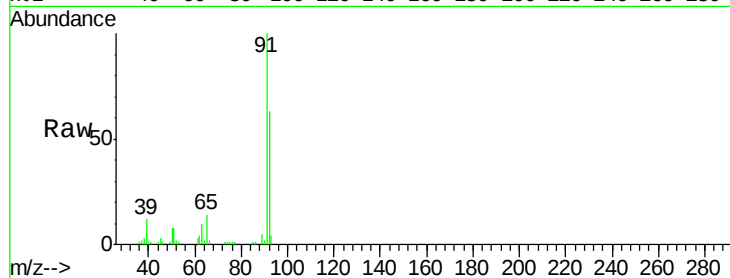
VSTDIC0.5

Tgt Ion: 91 Resp: 142773

Ion Ratio Lower Upper

91 100

92 59.2 47.3 70.9



#54

1,2-Dibromoethane

Concen: 0.28 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026826.D

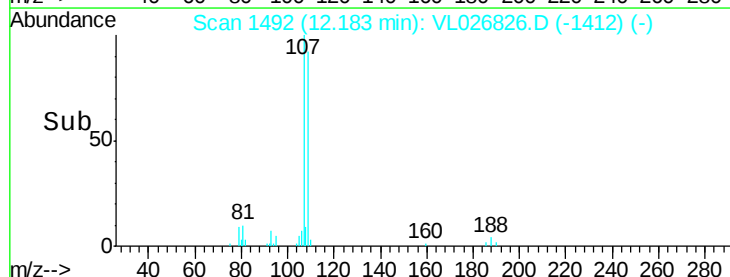
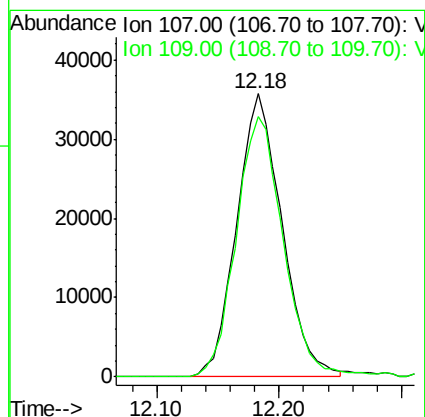
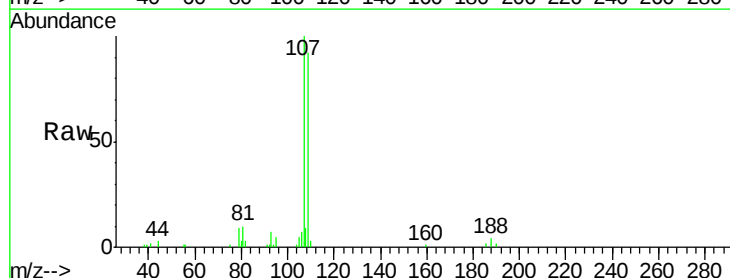
Acq: 9 Feb 2016 18:51

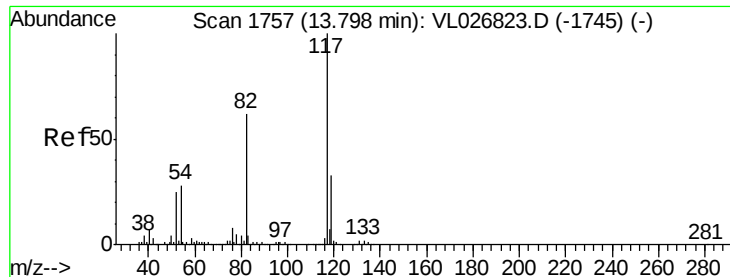
Tgt Ion: 107 Resp: 91853

Ion Ratio Lower Upper

107 100

109 92.0 75.0 112.4

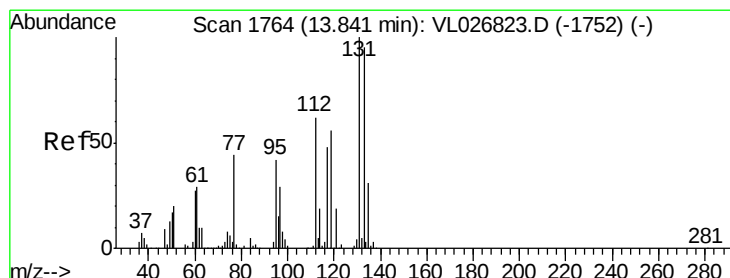
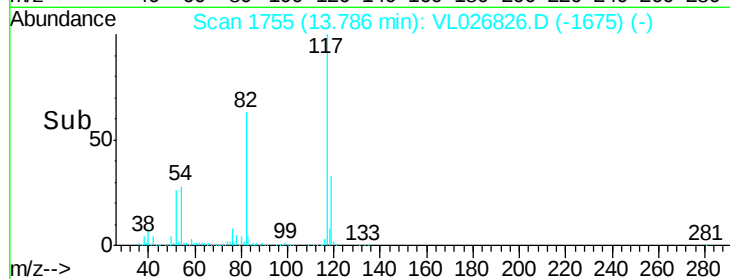
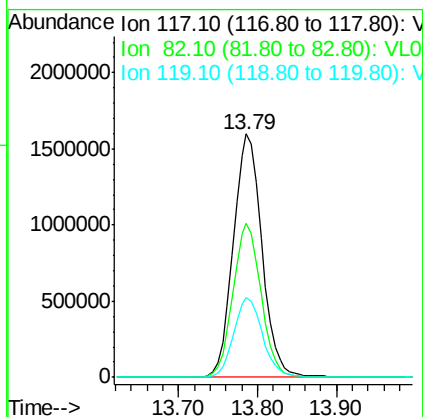
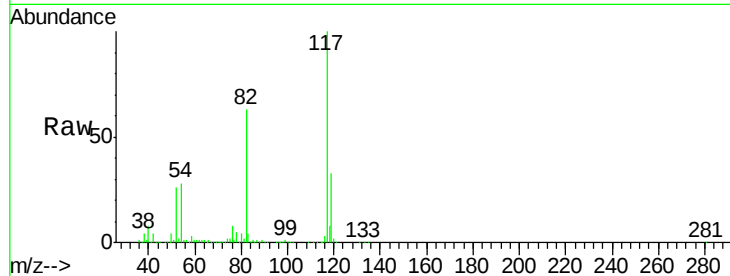




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

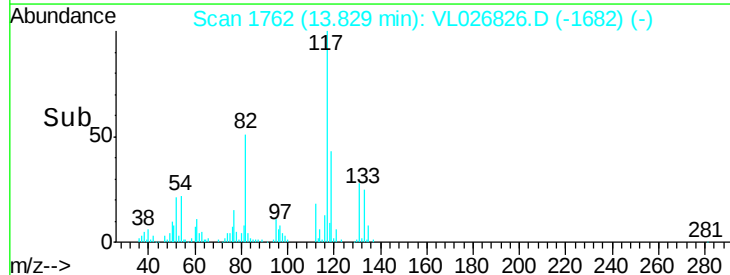
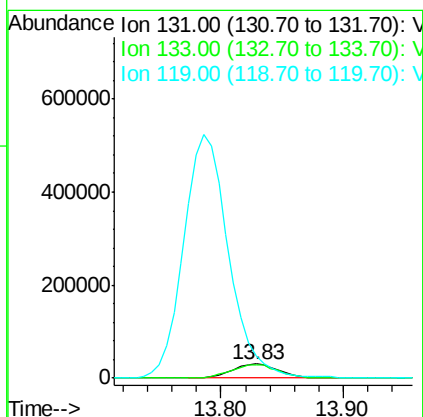
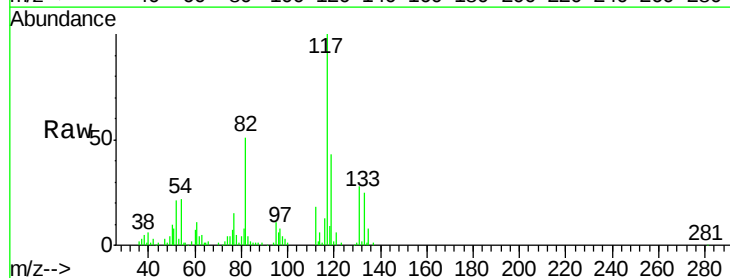
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

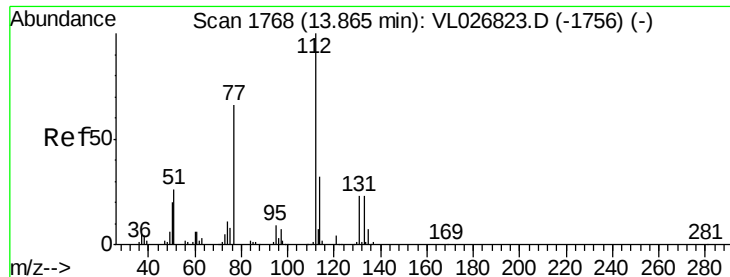
Tgt Ion:117 Resp: 4046165
Ion Ratio Lower Upper
117 100
82 62.5 51.9 77.9
119 33.4 48.5 72.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.39 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion:131 Resp: 82755
Ion Ratio Lower Upper
131 100
133 95.6 76.4 114.6
119 1629.4 99.8 149.8#





#57

Chlorobenzene

Concen: 0.39 ppbv

RT: 13.85 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

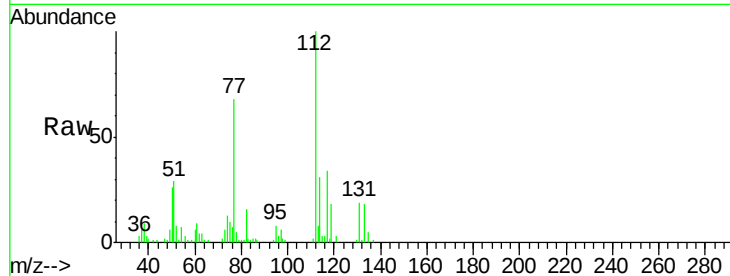
Tgt Ion: 112 Resp: 160809

Ion Ratio Lower Upper

112 100

77 67.8 53.3 79.9

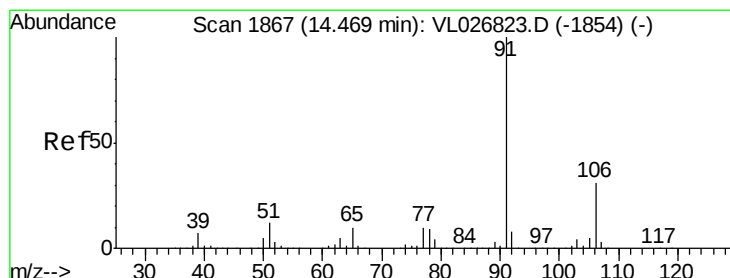
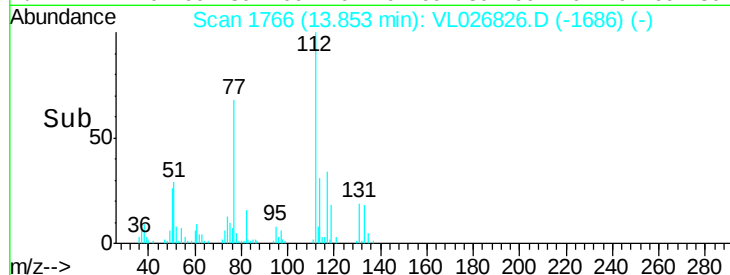
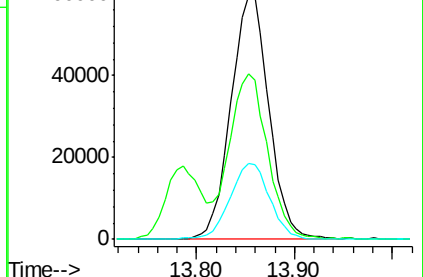
114 31.0 28.9 35.3



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: 0.28 ppbv

RT: 14.46 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VL026826.D

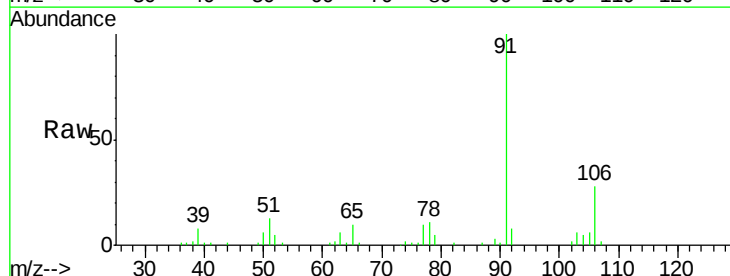
Acq: 9 Feb 2016 18:51

Tgt Ion: 91 Resp: 184458

Ion Ratio Lower Upper

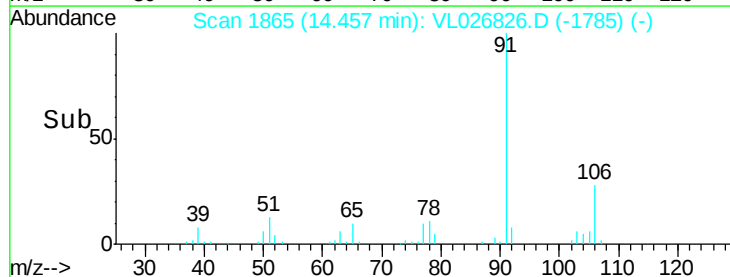
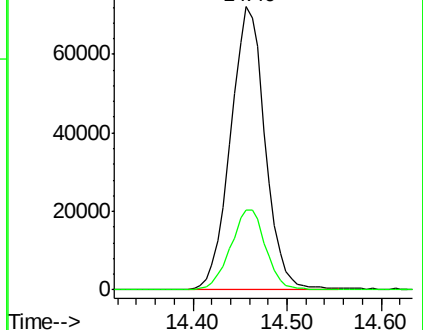
91 100

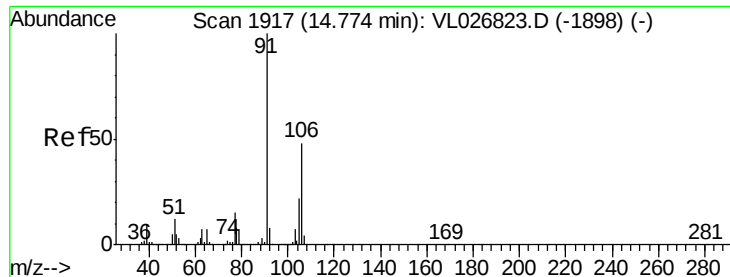
106 28.3 24.9 37.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

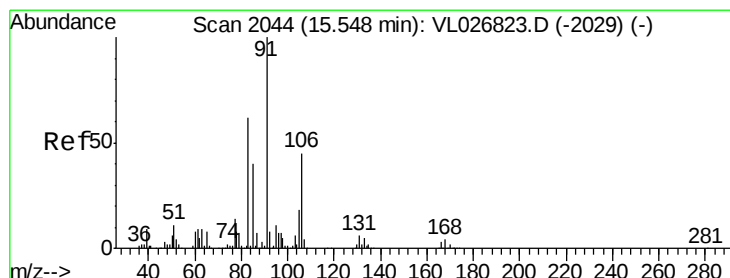
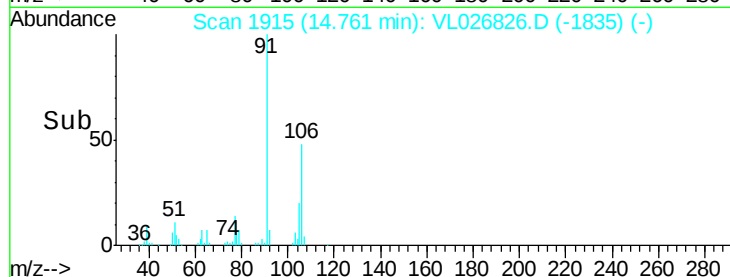
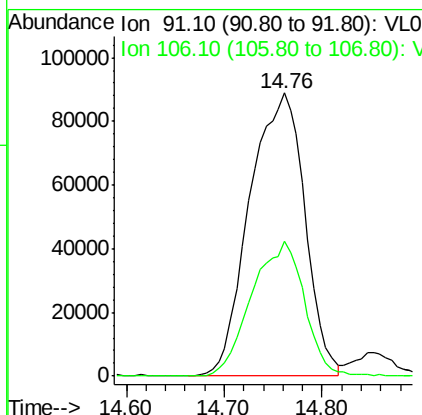
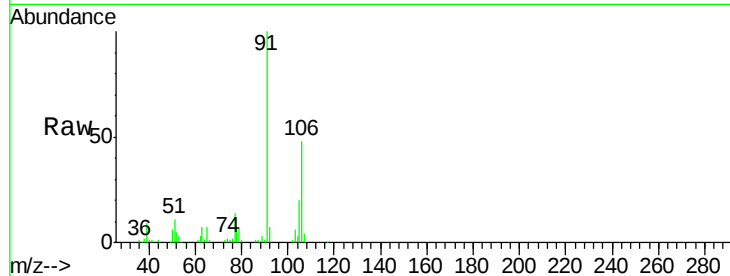




#59
m/p-Xylene
Concen: 0.60 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

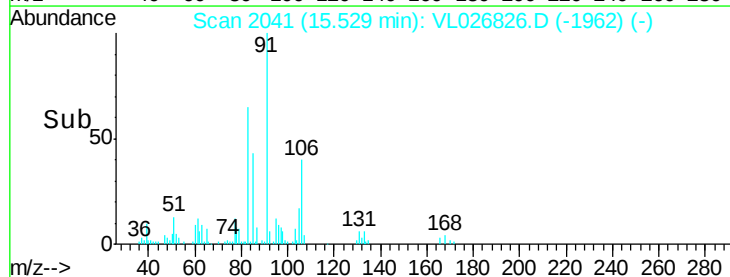
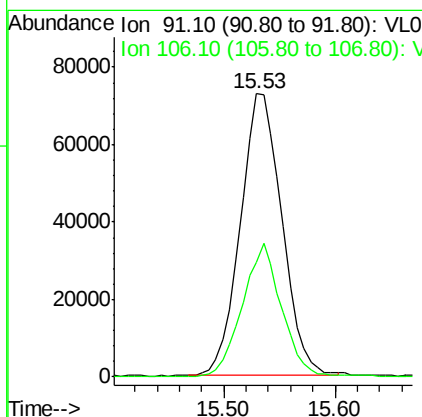
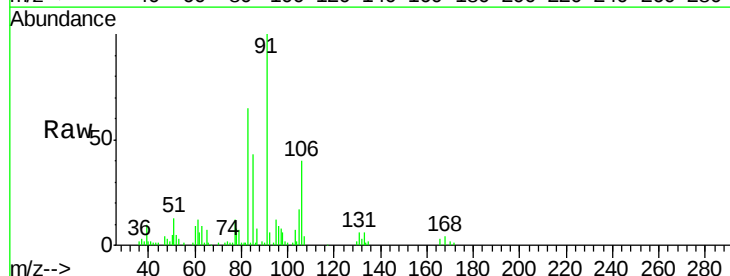
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

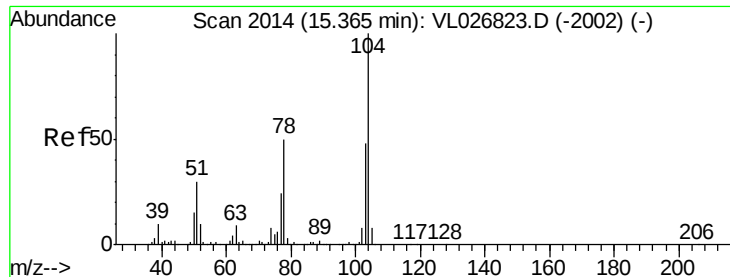
Tgt Ion: 91 Resp: 348778
Ion Ratio Lower Upper
91 100
106 45.6 38.2 57.2



#60
o-Xylene
Concen: 0.30 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 91 Resp: 189798
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.8





#61

Styrene

Concen: 0.20 ppbv

RT: 15.36 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

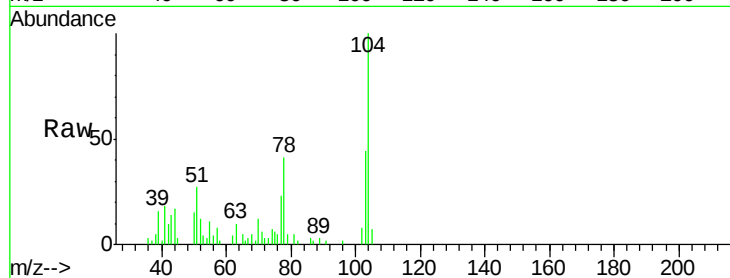
Tgt Ion:104 Resp: 45848

Ion Ratio Lower Upper

104 100

78 52.4 39.8 59.6

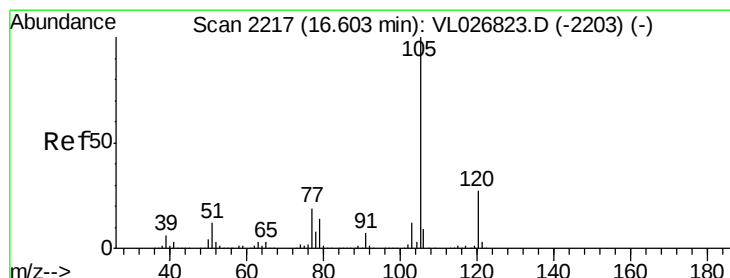
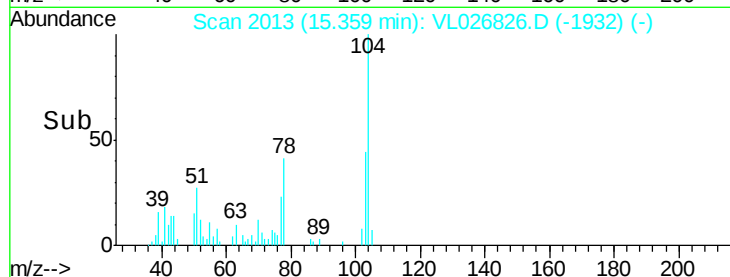
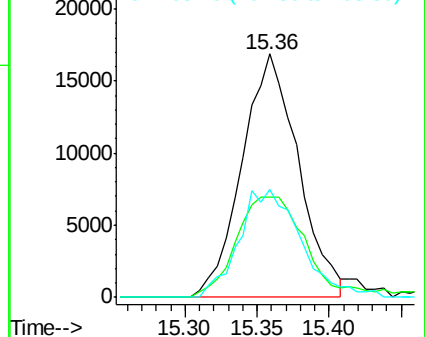
103 48.8 38.2 57.4



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: 0.28 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026826.D

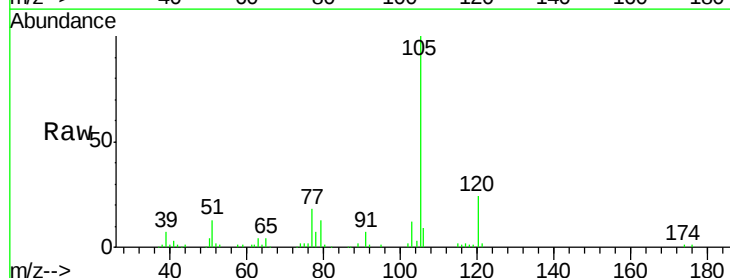
Acq: 9 Feb 2016 18:51

Tgt Ion:105 Resp: 232392

Ion Ratio Lower Upper

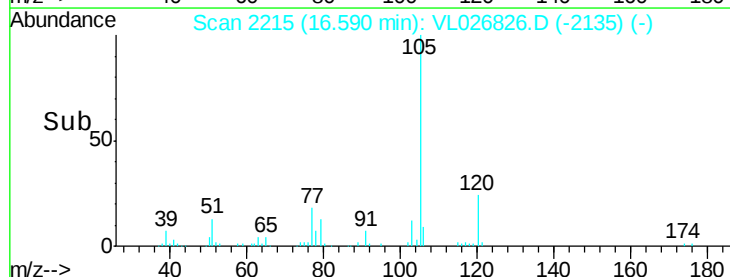
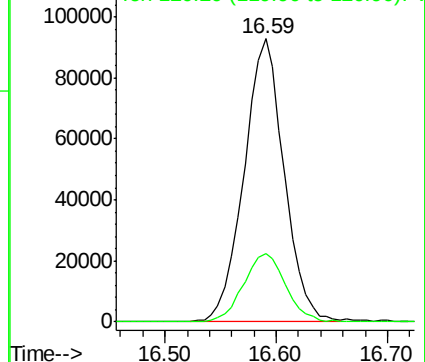
105 100

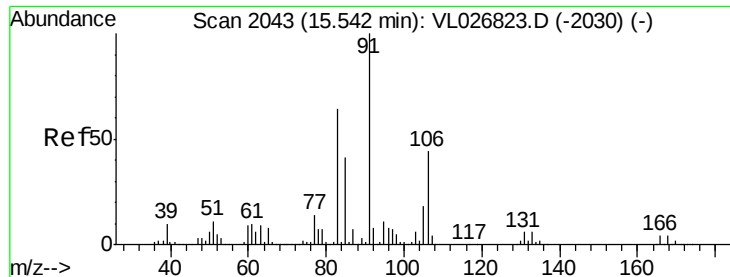
120 25.4 21.0 31.4



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: 0.35 ppbv

RT: 15.52 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

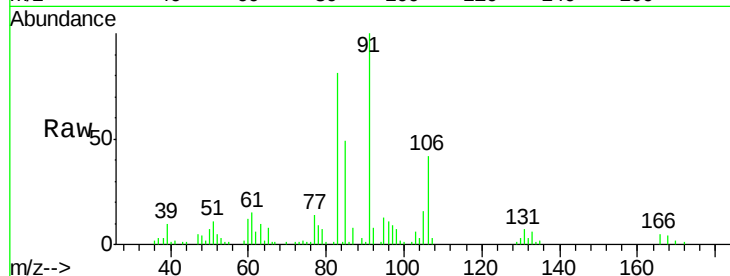
Tgt Ion: 83 Resp: 144551

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

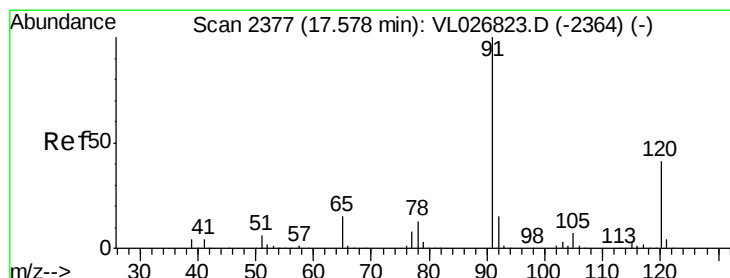
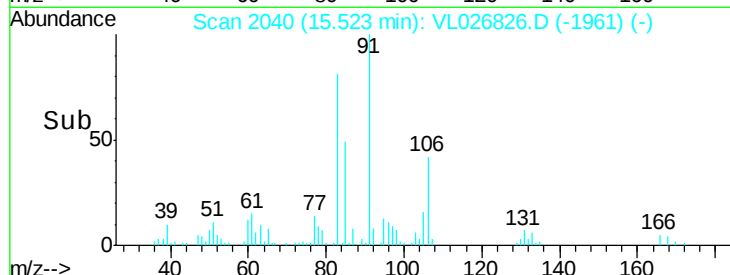
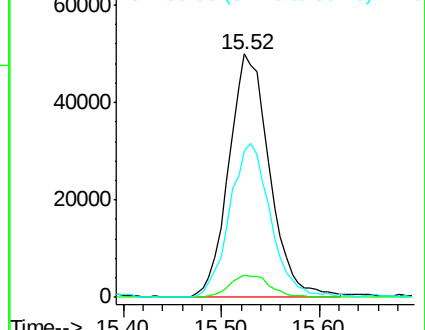
85 64.2 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.24 ppbv

RT: 17.57 min Scan# 2375

Delta R.T. -0.01 min

Lab File: VL026826.D

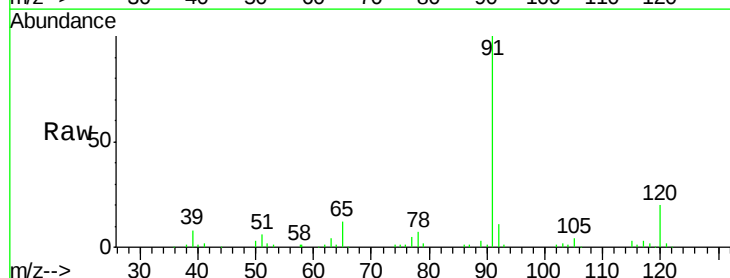
Acq: 9 Feb 2016 18:51

Tgt Ion: 120 Resp: 56233

Ion Ratio Lower Upper

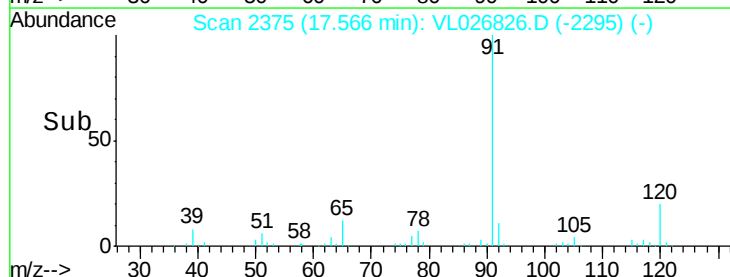
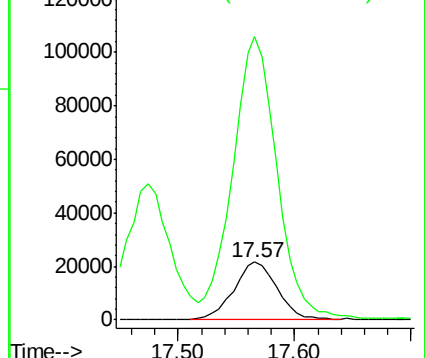
120 100

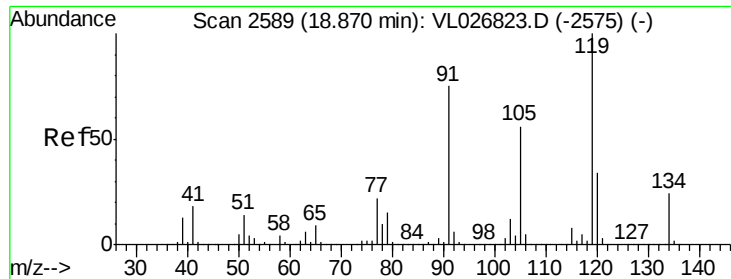
91 504.8 363.0 544.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

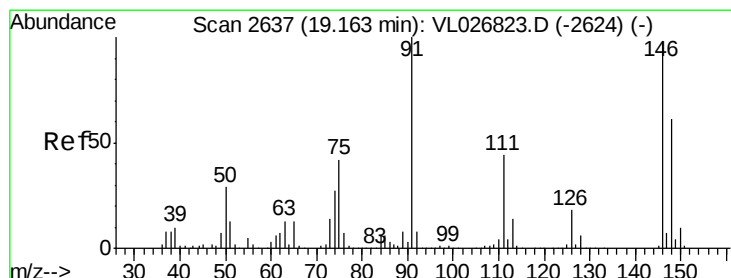
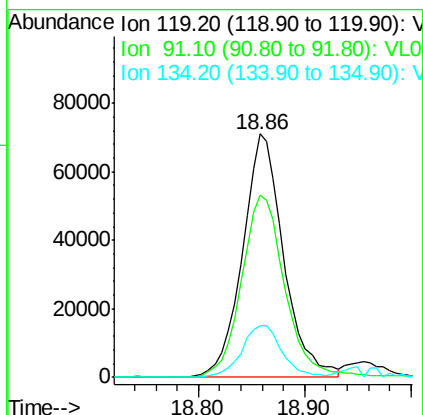
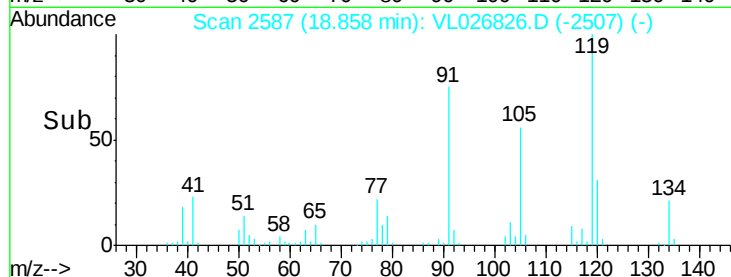
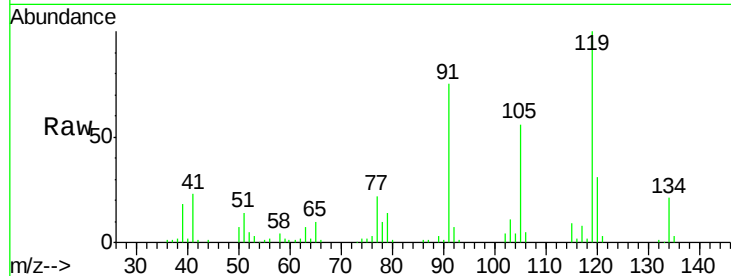




#65
 tert-Butylbenzene
 Concen: 0.23 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

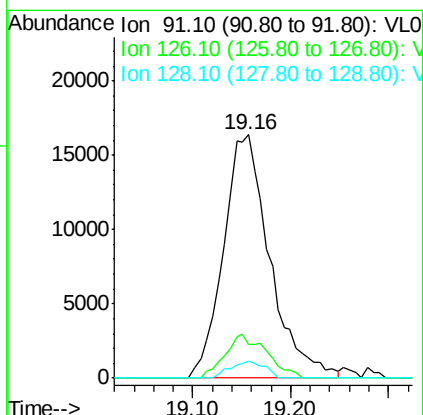
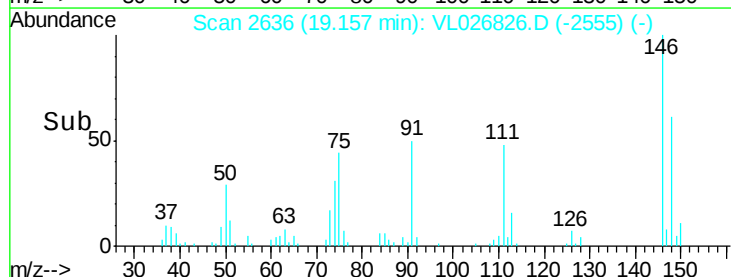
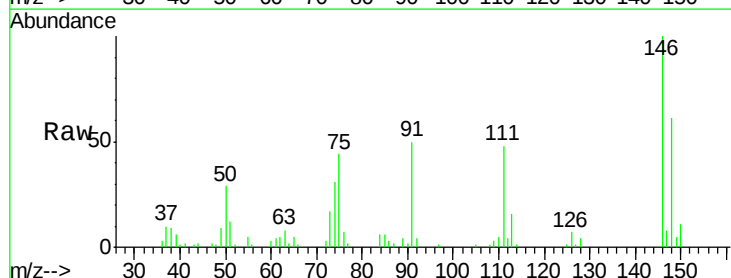
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

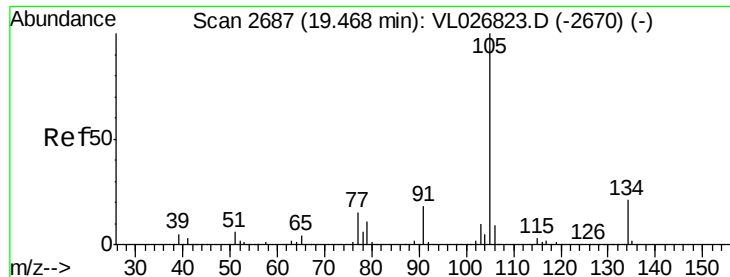
Tgt Ion: 119 Resp: 191550
 Ion Ratio Lower Upper
 119 100
 91 79.5 61.5 92.3
 134 24.0 17.9 26.9



#66
 Benzyl Chloride
 Concen: 0.17 ppbv
 RT: 19.16 min Scan# 2636
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 91 Resp: 53943
 Ion Ratio Lower Upper
 91 100
 126 16.0 14.6 21.8
 128 5.2 4.6 6.8

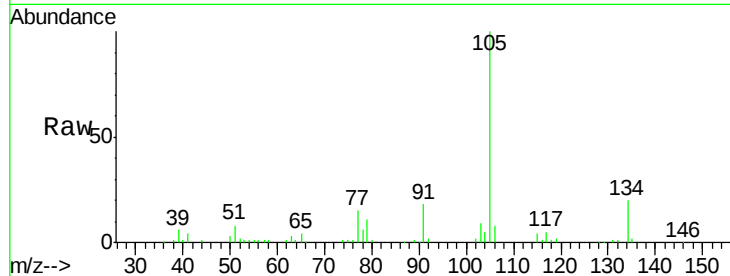




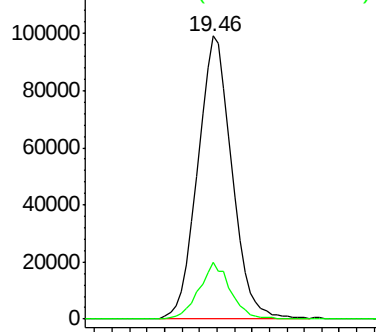
#67
 sec-Butylbenzene
 Concen: 0.22 ppbv
 RT: 19.46 min Scan# 2685
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

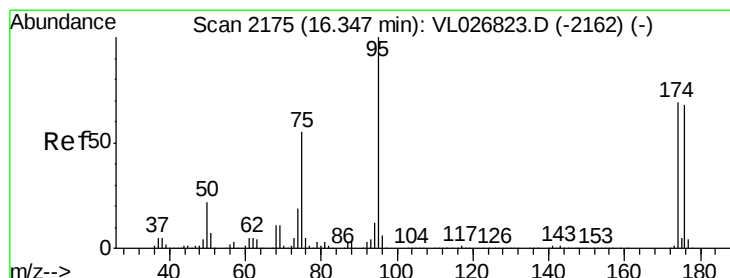
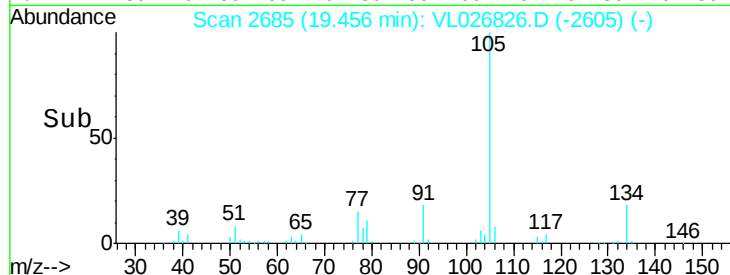
Tgt Ion: 105 Resp: 269695
 Ion Ratio Lower Upper
 105 100
 134 18.4 16.1 24.1



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

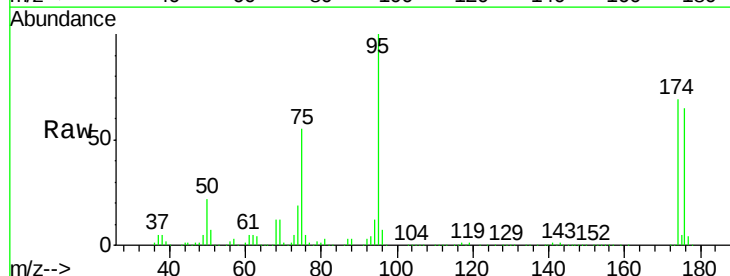


Time-->

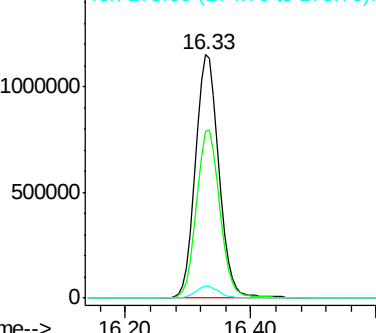


#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.72 ppbv
 RT: 16.33 min Scan# 2172
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

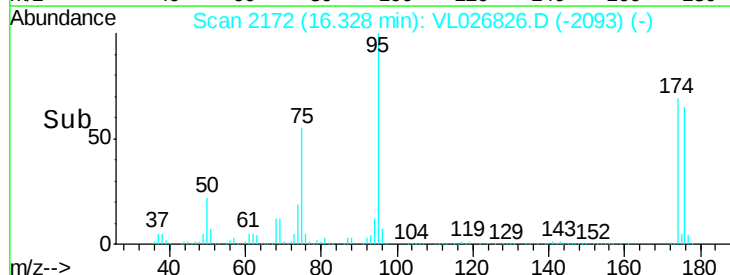
Tgt Ion: 95 Resp: 2994100
 Ion Ratio Lower Upper
 95 100
 174 69.2 55.6 83.4
 175 4.9 3.9 5.9

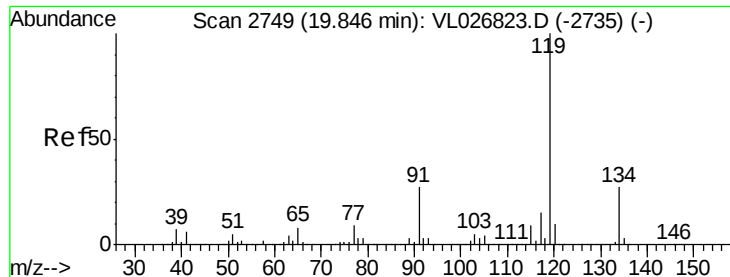


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



Time-->

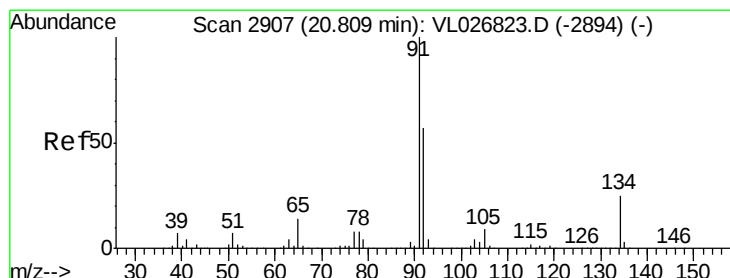
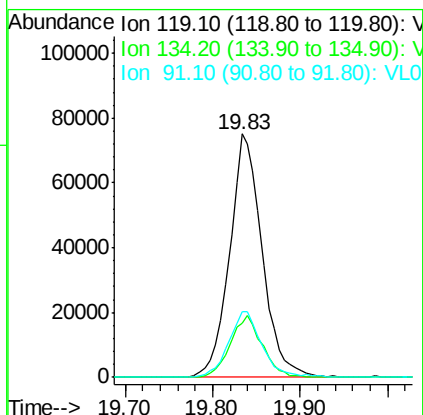
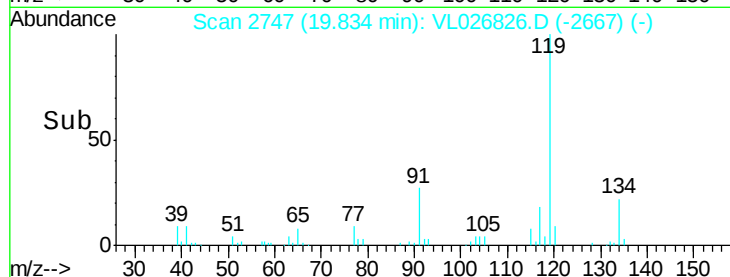
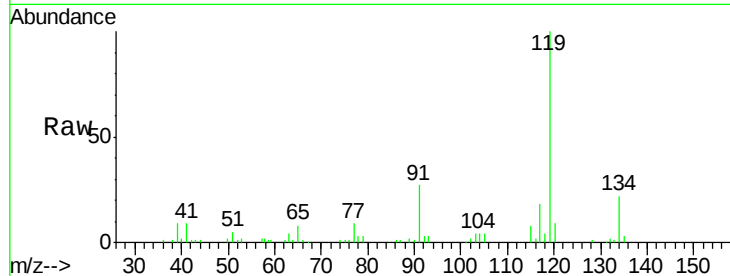




#69
p-Isopropyltoluene
Concen: 0.19 ppbv
RT: 19.83 min Scan# 2747
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

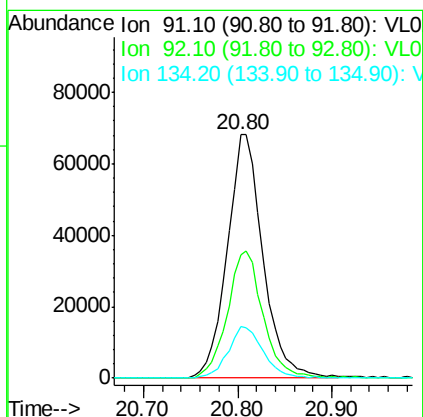
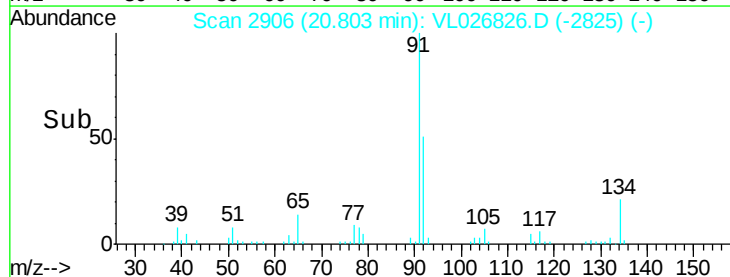
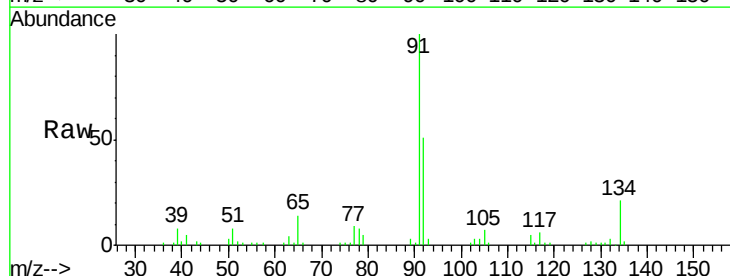
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

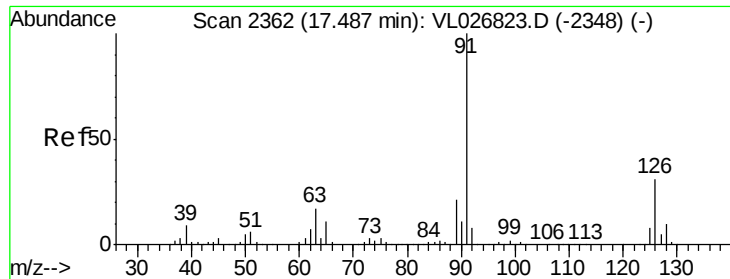
Tgt Ion: 119 Resp: 193598
Ion Ratio Lower Upper
119 100
134 25.1 21.3 31.9
91 27.9 21.5 32.3



#70
n-Butylbenzene
Concen: 0.17 ppbv
RT: 20.80 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 91 Resp: 179168
Ion Ratio Lower Upper
91 100
92 52.0 44.2 66.4
134 20.8 19.3 28.9





#71

2-Chlorotoluene

Concen: 0.21 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

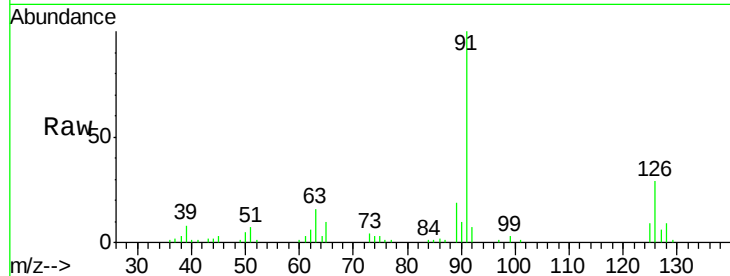
VSTDIC0.5

Tgt Ion: 91 Resp: 134534

Ion Ratio Lower Upper

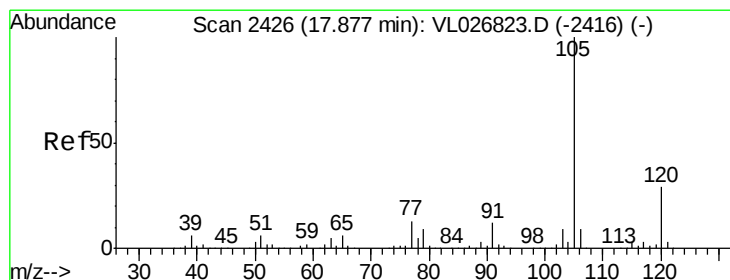
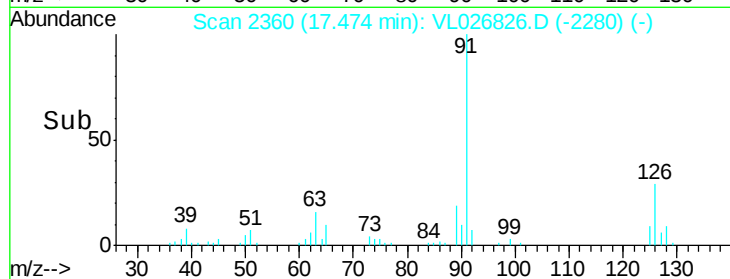
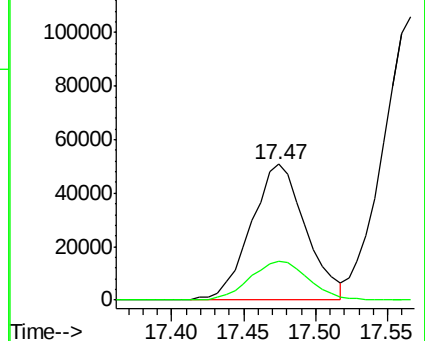
91 100

126 30.6 12.2 48.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.20 ppbv

RT: 17.87 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 105 Resp: 147580

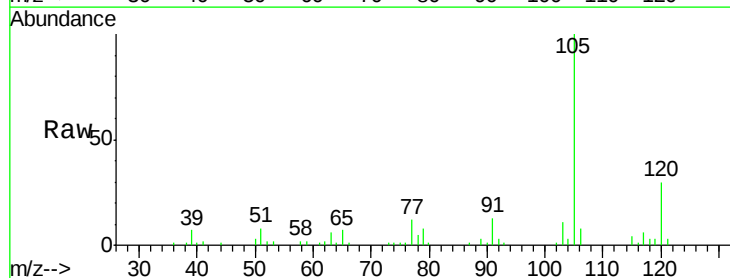
Ion Ratio Lower Upper

105 100

120 30.4 23.8 35.6

91 15.5 10.2 15.4#

77 14.2 10.8 16.2

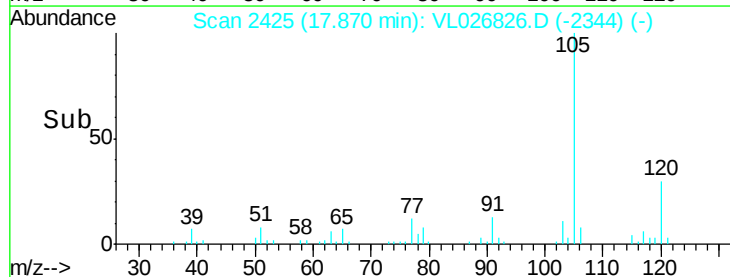
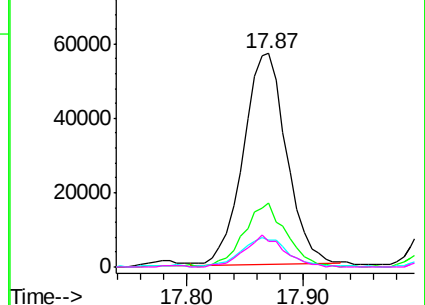


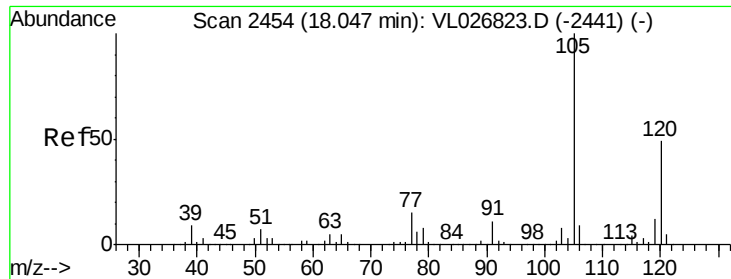
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

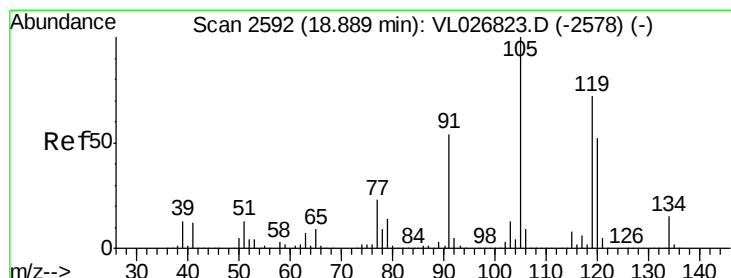
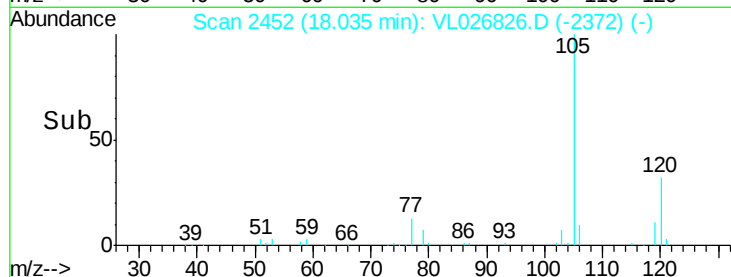
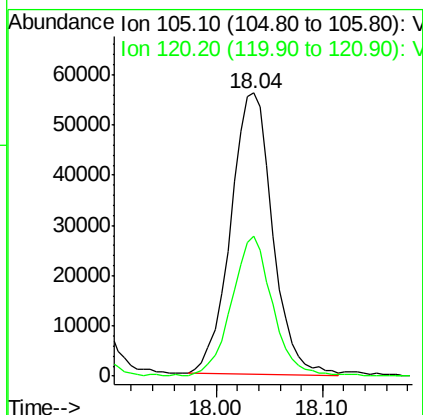
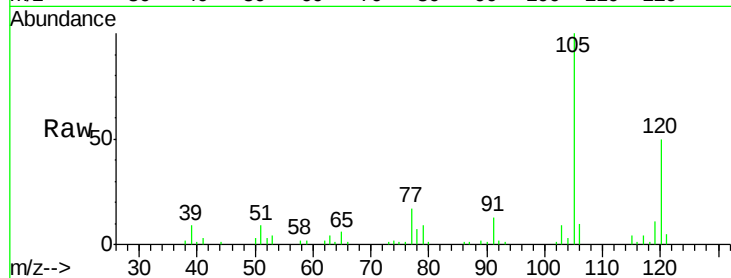




#73
 1,3,5-Trimethylbenzene
 Concen: 0.22 ppbv
 RT: 18.04 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

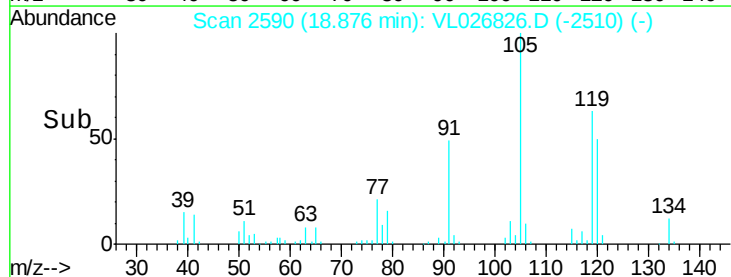
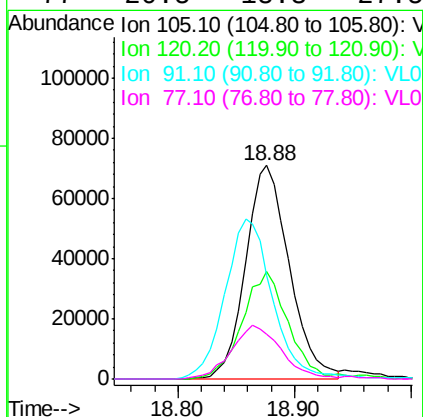
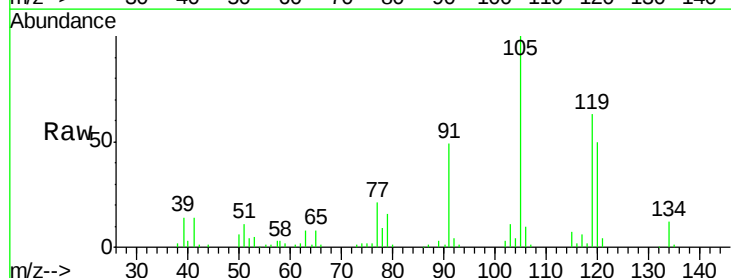
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

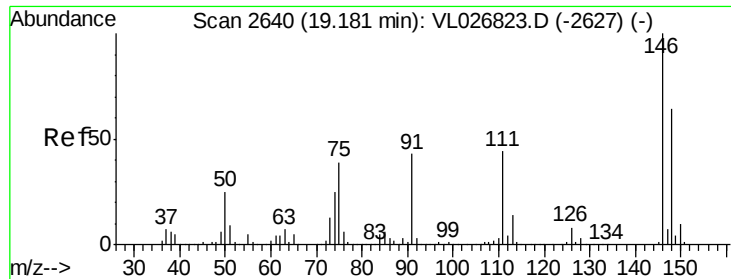
Tgt Ion:105 Resp: 154577
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.4 59.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.23 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion:105 Resp: 185777
 Ion Ratio Lower Upper
 105 100
 120 50.1 41.3 61.9
 91 47.0 43.3 64.9
 77 20.5 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 0.23 ppbv

RT: 19.16 min Scan# 2637

Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

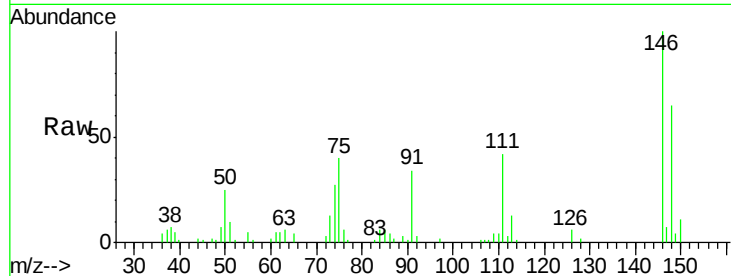
Tgt Ion:146 Resp: 119134

Ion Ratio Lower Upper

146 100

111 44.9 22.1 66.3

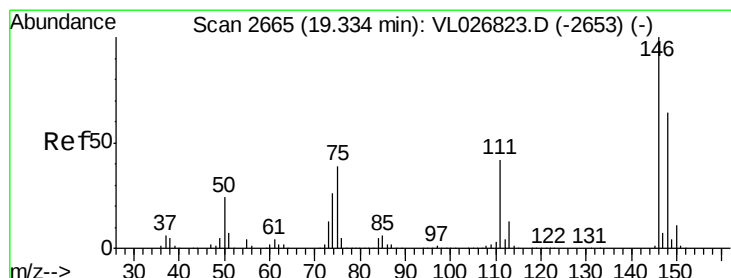
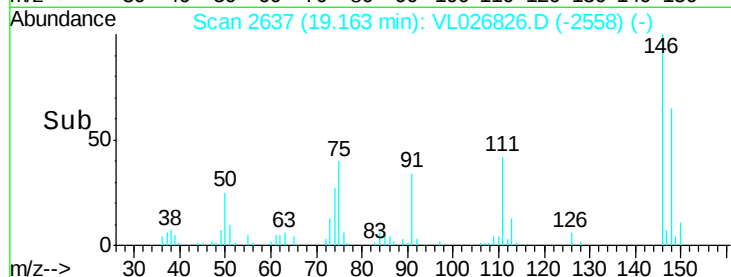
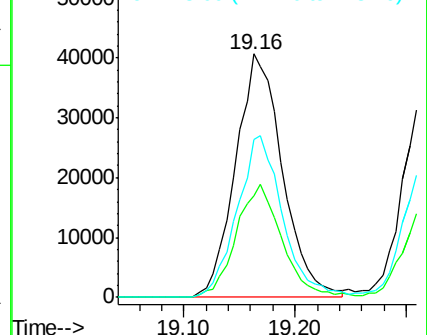
148 64.4 32.2 96.6



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: 0.22 ppbv

RT: 19.32 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

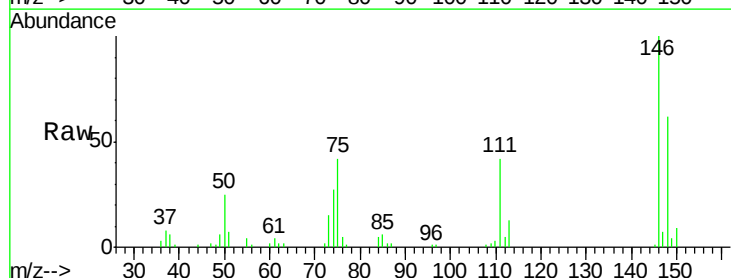
Tgt Ion:146 Resp: 113592

Ion Ratio Lower Upper

146 100

111 42.6 21.6 64.8

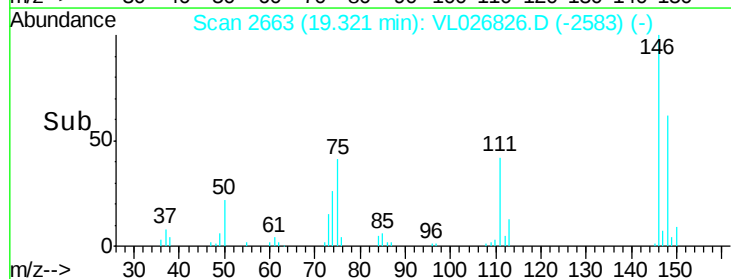
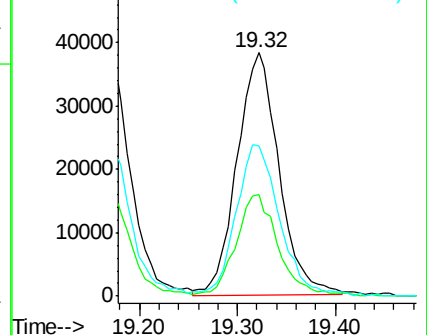
148 65.6 32.2 96.6

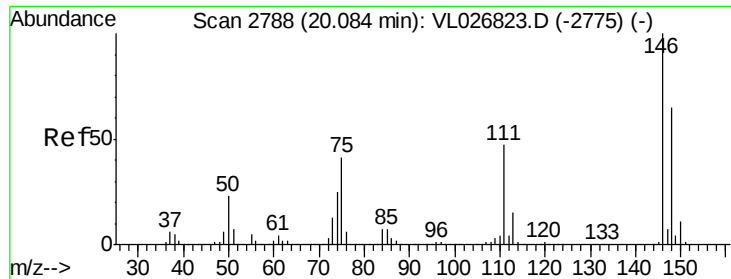


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.21 ppbv

RT: 20.07 min Scan# 2786

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

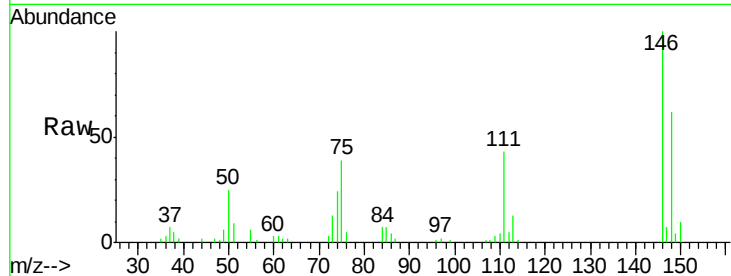
Tgt Ion:146 Resp: 115232

Ion Ratio Lower Upper

146 100

111 45.7 23.1 69.3

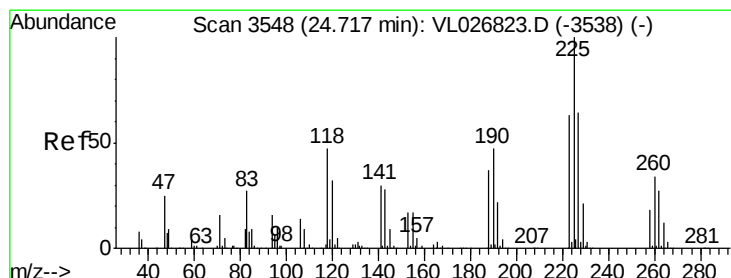
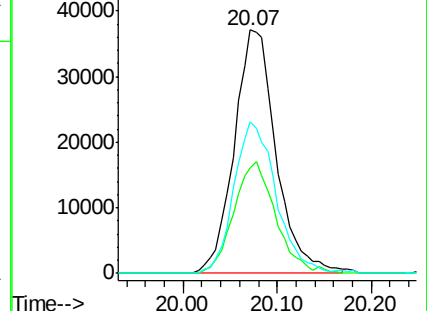
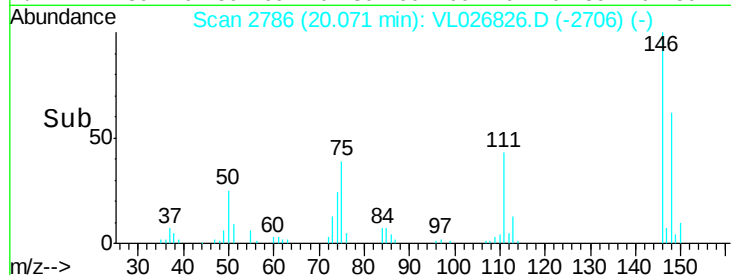
148 63.0 32.1 96.5



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: 0.23 ppbv

RT: 24.71 min Scan# 3547

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

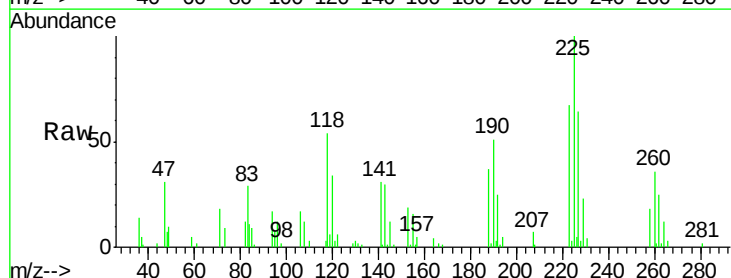
Tgt Ion:225 Resp: 60469

Ion Ratio Lower Upper

225 100

223 63.7 50.2 75.2

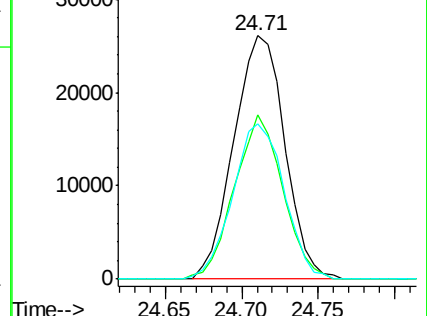
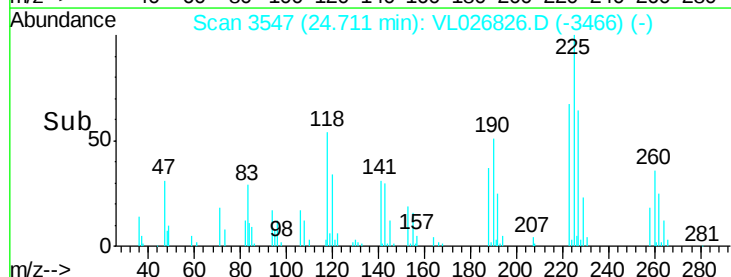
227 64.6 52.1 78.1

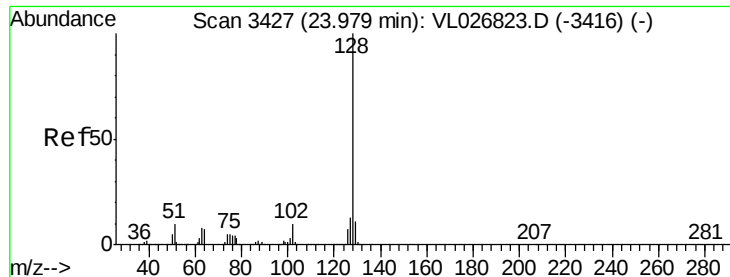


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.12 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

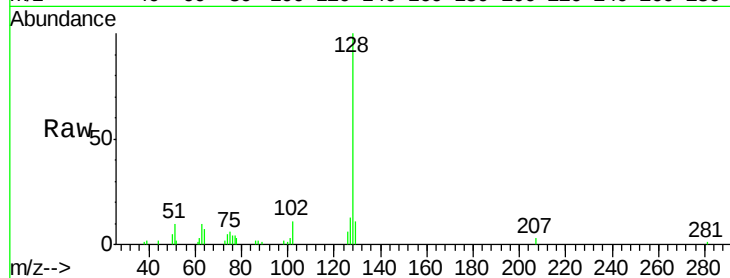
Tgt Ion:128 Resp: 81594

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

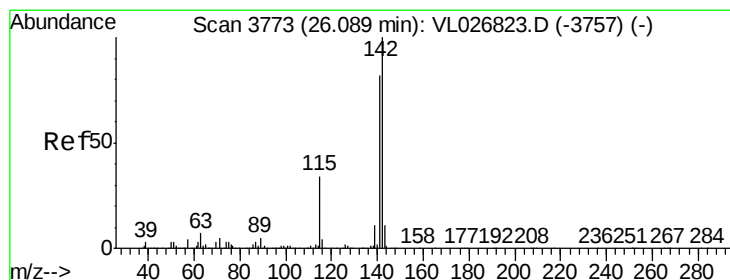
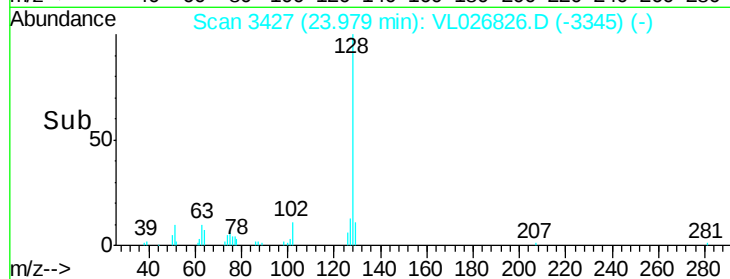
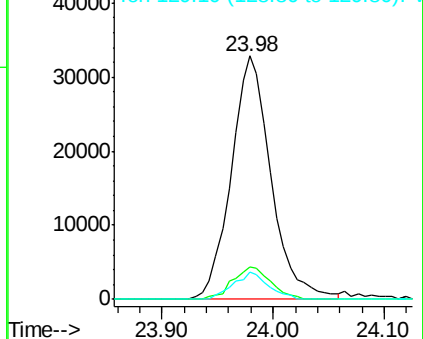
129 11.1 8.7 13.1



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.36 ppbv

RT: 26.10 min Scan# 3775

Delta R.T. 0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

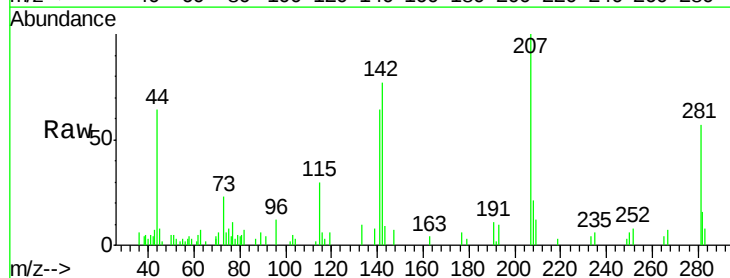
Tgt Ion:142 Resp: 42948

Ion Ratio Lower Upper

142 100

141 86.6 67.2 100.8

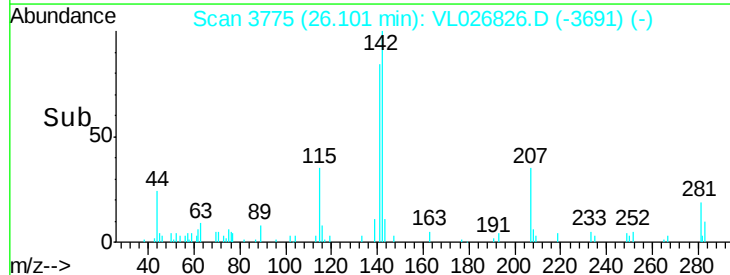
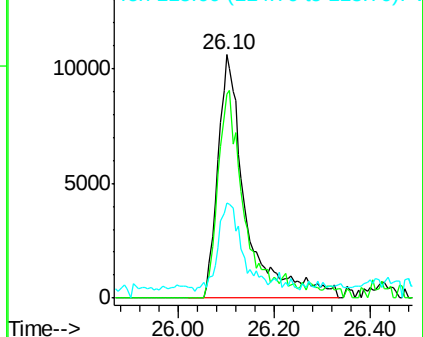
115 37.1 27.5 41.3

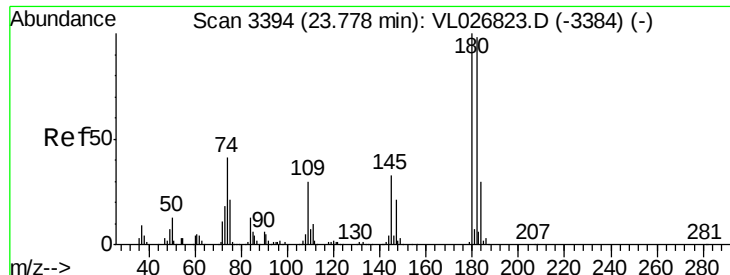


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.16 ppbv

RT: 23.78 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

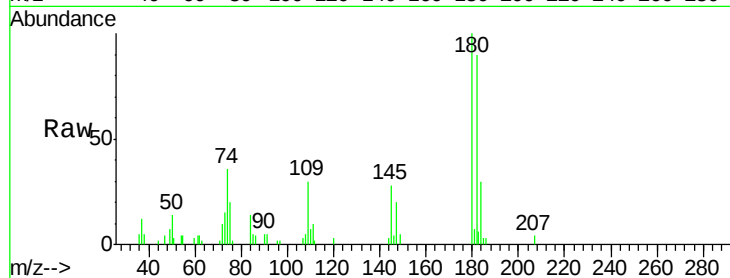
Tgt Ion:180 Resp: 47624

Ion Ratio Lower Upper

180 100

182 98.5 77.3 115.9

184 30.9 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

